BEFORE THE NEW MEXICO PUBLIC REGULATION COMMISSION

IN THE MATTER OF SOUTHWESTERN PUBLIC SERVICE COMPANY'S ANNUAL 2023 RENEWABLE ENERGY PORTFOLIO PROCUREMENT PLAN AND REQUESTED APPROVALS THEREIN; PROPOSED 2023 RENEWABLE PORTFOLIO STANDARD COST AND RECONCILIATION RIDERS; APPLICATION FOR AN RPS INCENTIVE; AND OTHER ASSOCIATED RELIEF,	)	**CASE NO. 22-00___-UT**
SOUTHWESTERN PUBLIC SERVICE COMPANY,	)	
APPLICANT.	)	

DIRECT TESTIMONY

of

MARIO A. CONTRERAS

on behalf of

SOUTHWESTERN PUBLIC SERVICE COMPANY

July 1, 2022

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GLOSSARY OF ACRONYMS AND DEFINED TERMS

Acronym/Defined Term	Meaning
2021 RPS Report	SPS's 2021 Annual Renewable Energy Portfolio Report
2023 RPS Rider	SPS's proposed 2023 Renewable Portfolio Standard Rate Rider
Caprock	Caprock Wind LP
Chaves	Chaves County Solar, LLC
Commission	New Mexico Public Regulation Commission
DG	Distributed Generation
FPPCAC	fuel and purchased power cost adjustment clause
kWh	kilowatt-hour
LCOE	Levelized Cost of Energy
Mammoth	Mammoth Plains Wind Project Holdings, LLC
MWh	megawatt-hour
Next Plan Year	SPS's Filing for Plan Year 2024
Palo Duro	Palo Duro Wind Energy, LLC
Plan Year	SPS's Filing for Plan Year 2023
PPA	Power Purchase Agreement
QF	Qualifying Facility
RCT	Reasonable Cost Threshold
REA	Renewable Energy Act (NMSA 1978, §§ 62-16-1 to 62-16-10) (2019)

Acronym/Defined Term	Meaning
REC	Renewable Energy Certificate
Roswell	Roswell Solar, LLC
RPS	Renewable Portfolio Standard
RPS Plan or 2023 RPS Plan	SPS's RPS Plan for 2023 Plan Year and 2024 Next Plan Year
Rule 572	Renewable Energy Rule (17.9.572 NMAC)
San Juan	San Juan Mesa Wind Project LLC
SPS	Southwestern Public Service Company, a New Mexico corporation
SunE	SunEdison, LLC
WACC	weighted average cost of capital
WREGIS	Western Renewable Energy Generation Information System

LIST OF ATTACHMENTS

Attachment	Description
MAC-1	RPS Rule 572 "Road Map"
MAC-2	SPS's Annual Renewable Energy Portfolio Report for 2021
MAC-3	SPS's 2022 Filing of the Annual Renewable Energy Act Plan for 2023 Plan Year and 2024 Next Plan Year
MAC-4	Revenue Requirement for 2023 Plan Year and 2024 Next Plan Year
MAC-5	Proposed 2023 Solar*Connect Tariff
MAC-6	Workpapers
MAC-7	List of SPS's Annual RPS filings approved by the Commission

Case No. 22-00___-UT
Direct Testimony
of
Mario A. Contreras

I. WITNESS IDENTIFICATION AND QUALIFICATIONS

Q. Please state your name and business address.

A. My name is Mario A. Contreras. My business address is 790 S. Buchanan Street, Amarillo, Texas 79101.

Q. On whose behalf are you testifying in this proceeding?

A. I am filing testimony on behalf of Southwestern Public Service Company, a New Mexico corporation ("SPS") and wholly-owned electric utility subsidiary of Xcel Energy Inc.

Q. By whom are you employed and in what position?

A. I am employed by SPS as Manager, Rate Cases.

Q. Please briefly outline your responsibilities as Manager, Rate Cases.

A. I am responsible for managing the development, filing, and processing of rate cases and other regulatory filings for SPS. More specifically, I direct case teams from various areas within SPS and Xcel Energy Services Inc. and provide direction and overall management support for rate case and other filing preparations. My department facilitates the development of policy issues and advocacy to be included in regulatory filings, and it coordinates the overall preparation of filed testimony, attachments, schedules, and workpapers to produce

filings in accordance with applicable rules and procedures in the regulatory jurisdictions in which SPS operates.

Q. Please describe your educational background.

A. I graduated from New Mexico State University with a Bachelor of Arts in Economics with a minor in Finance in 2004 and a Master of Arts in Economics with a concentration in Public Utility Regulation in 2005. I graduated from The University of Texas at El Paso with a Master of Business Administration in 2012.

Q. Please describe your professional experience.

A. I began my career in 2005 as a Research Associate for the Mirant Corporation, where I supported the Policy Development staff with research of data and reference materials for documents being prepared by the department. In 2006, I became a Utility Analyst for the Indiana Utility Regulation Commission. As a Utility Analyst, I served as an advisor to the commissioners on issues and cases involving the electric industry and electric utilities. In 2008, I joined El Paso Electric Company as a Rate Analyst, primarily working with jurisdictional and class cost of service models, and in 2012 was promoted to a Regulatory Case Manager. In my role as Regulatory Case Manager, I was responsible for managing and directing the execution, production, and filing of regulatory

applications before both the New Mexico Public Regulation Commission ("Commission") and the Public Utility Commission of Texas. I joined SPS in 2016 as Manager, Rate Cases.

Q. Have you testified or filed testimony before any regulatory authorities?

A. Yes. I testified before the Commission in SPS's 2021 Renewable Portfolio Standard ("RPS") filing, Case No. 21-00172-UT.

II. PURPOSE AND SUMMARY OF TESTIMONY AND RECOMMENDATIONS

Q. What is the purpose of your testimony in this proceeding?

A. My testimony will:

- describe the RPS requirements;
- provide an overview of SPS's RPS requirements under 62-16-1 *et. sec.*, Renewable Energy Act, (NMSA 1978, §§ 62-16-1 to 62-16-10) (2019)) ("REA") and 17.9.572 NMAC (Renewable Energy Rule ("Rule 572")) as it applies to the REA and of SPS's filing for the 2023 Plan Year ("Plan Year"), in compliance with Rule 572.14, as well as the 2024 Next Plan Year ("Next Plan Year") (the filing is referred to herein as the "RPS Plan" or "2023 RPS Plan");
- acknowledge the concurrent filing of SPS's 2021 Annual Renewable Energy Portfolio Report ("2021 RPS Report") in accordance with Rule 572.19;
- present SPS's RPS Plan, which includes SPS's plan for the Plan Year, including the information and analysis required by Rule 572 and the REA and, for informational purposes, similar information for the Next Plan Year;
- present SPS's Plan Year and Next Plan Year projected costs and SPS's request to recover the Plan Year costs, including reconciliation of the 2021 RPS Rate Rider, through SPS's proposed 2023 RPS Rate Rider ("2023 RPS Rider") and SPS's proposed 2023 RPS Reconciliation Rider;
- address SPS's compliance with prior Commission orders;
- present SPS's 2023 Solar*Connect premium, consistent with the final order in Case No. 18-00308-UT;
- present updates to the tariff associated with Solar*Connect;

- support elimination of the tariff associated with the terminated Windsource program;
- support SPS's application for an incentive related to exceeding the RPS requirements and request for a variance from Rule 572.22.D; and
- present SPS's requested approvals in this proceeding.

Q. Please summarize SPS's RPS compliance status for the Plan Year and the Next Plan Year.

A. SPS has sufficient renewable resources to meet its obligations for the Plan Year and Next Plan Year.

Q. Please summarize the conclusions reached in your testimony.

A. SPS's RPS Plan is (i) consistent with the goals and intent of the REA and Rule 572 and (ii) in the public interest. Accordingly, the RPS Plan, the 2023 RPS Rider, and 2023 RPS Reconciliation Rider should be approved. Moreover, SPS has met the requirements for a financial incentive to exceed the current RPS, its proposal for a financial incentive is just and reasonable, and the proposal should be approved along with the associated Renewable Performance Rider.

Q. Please identify the other SPS witnesses in this case and briefly describe the areas covered in their respective testimonies.

A. SPS is presenting the following witnesses:

- **Ben R. Elsey**: provides SPS's projected RPS compliance position for each of the years 2023 through 2032 and demonstrates that based on SPS's current projections, SPS can meet the minimum RPS requirements. Mr. Elsey also presents the "cost of the measure" SPS will take to exceed the current RPS and demonstrates that SPS's proposal for a financial incentive will result in SPS acquiring renewable energy generation earlier than it would otherwise be required to acquire if a financial incentive is not granted. In addition, Mr. Elsey co-sponsors Plan Sections II(A), II(B), II(E), II(H), and III.

- **Sydnie M. Lieb:** presents the carbon emissions component of the analysis required by 17.9.572.22.D in order to qualify for a financial incentive.

- **Luis F. Saenz**: presents the 2023 RPS Rider rate and the 2023 RPS Reconciliation Rider rate. Mr. Saenz also presents a rider mechanism to recover SPS's proposed financial incentive.

Q. Were Attachments MAC-1 through MAC-7 prepared by you or under your direct supervision and control?

A. Yes.

III. OVERVIEW OF THE REA AND RULE 572

Q. Please describe the renewable energy requirements under the REA.

A. The REA establishes the following minimum renewable energy requirements, as a percentage of New Mexico retail sales, for SPS and other investor-owned utilities in New Mexico: (i) 20% no later January 1, 2020; (ii) 40% no later than January 1, 2025; (iii) 50% no later than January 1, 2030; and (iv) 80% no later than January 1, 2040. In addition, no later than January 1, 2045, zero carbon resources shall supply 100% of all retail sales of electricity in New Mexico.[1]

Q. Does the REA consider the impact of the RPS requirements on utilities and their ability to plan and meet the requirements?

A. Yes. The REA recognizes that meeting these increased requirements will not come without challenges. In recognition of these challenges, the REA provides several important provisions. First, the REA clearly recognizes both the importance of taking advantage of market opportunities and the step-change nature of capacity additions, by providing mandates that are minimums and that can be met "no later than" set dates. Additionally, utilities are required to make

[1] NMSA 1978 § 62-16-4(A).

reasonable and consistent progress over time toward meeting these requirements.[2] Moreover, utilities are *encouraged* to exceed the applicable standards.[3] In other words, utilities are encouraged to exceed minimums and meet standards before the statutory deadlines.

Q. Does the REA provide any additional guidance to the Commission regarding administration of the REA?

A. Yes. When balancing the public interest, the Commission must also consider the customer interest. Renewable resource acquisitions under the REA must: (i) maintain and protect the safety, reliable operation, and balancing of loads and resources on the electric system; and (ii) prevent unreasonable impacts to customer electricity bills, while taking into consideration the economic and environmental costs and benefits of renewable energy resources and zero carbon resources.[4]

[2] S*ee id.* § 62-16-4(A)(6).

[3] S*ee id.* § 62-16-4(D).

[4] *See id.* § 62-16-4(B)(2) and (3).

Q. Specifically, what cost limitations does the REA include regarding a utility's proposed acquisition of renewable resources to meet the RPS?

A. The REA provides a Reasonable Cost Threshold ("RCT") whereby, if a public utility finds that if in any given year the cost of renewable energy that would need to be procured or generated for purposes of compliance with the RPS would be greater than the RCT, the public utility is not required to incur that cost.[5] In effect, the RCT is a benchmark that balances the: (i) interests of customers to be protected from undue cost increases caused by the RPS; against (ii) potential benefits of the renewable resources.

Q. How is the RCT defined?

A. Under the REA, the RCT is defined as the average annual levelized cost of $60 per megawatt-hour ("MWh") at the point of interconnection of the renewable energy resource with the transmission system, adjusted for inflation after 2020.

[5] *See id.* § 62-16-4(E)

Q. Does the RPS Plan demonstrate SPS's ability to meet the minimum requirement of 20% of New Mexico retail sales in the Plan Year and Next Plan Year?

A. Yes. The RPS Plan demonstrates that SPS will meet the minimum RPS requirement of 20% of New Mexico retail sales, as required by the REA.

Q. Does the RPS Plan comply with the requirements of Rule 572.14?

A. Yes. As it relates to the specific data and analysis requirements of Rule 572, please refer to Attachment MAC-1, which: (1) provides an outline of the Rule 572 requirements; and (2) identifies where in the 2023 RPS Plan the requirements are addressed.[6]

Finally, SPS has served all parties required by Rule 572.14(C) and posted a copy of the filing on its website as required by Rule 572.14(C) at:

https://www.xcelenergy.com/company/rates_and_regulations/filings/new_mexico_renewable_porfolio_standard

[6] Attachment MAC-1 also provides a roadmap of where, in the filing, SPS addresses each requirement of the REA.

Q. Did SPS comply with all requirements for its RPS Report as set forth in Rule 572?

A. Yes. SPS has concurrently filed its 2021 RPS Report. For ease of reference, I have provided a copy as Attachment MAC-2.

Q. Is SPS requesting any new procurements for the Plan Year or next Plan Year in this filing?

A. No. At this time, SPS is not requesting to procure additional renewable generation in this Plan Year or the Next Plan Year; therefore, Rule 572.13, 572.14.B(2), (7), (8), (11), and (12) are not applicable to this plan. It should be noted, however, that if SPS's proposal for a financial incentive is approved, it will be required to procure additional renewable generation approximately two years earlier than it would otherwise be required to if the financial incentive is not approved.

Q. Is there additional information potentially required by the REA?

A. Yes. Section 62-16-4(G) requires certain information to be filed by a utility as part of a procurement plan. Since SPS is not proposing any new procurements, the procurement plan does not include information required by Section 62-16-4(G)(1) and (3) which state requirements regarding proposed procurements. I

address G(2) later in my testimony and Section III of SPS's RPS Plan (Attachment MAC-3) addresses G(2) as well. Section (G)(4) is addressed in Section II.H of SPS's RPS Plan (Attachment MAC-3).

Q. Please discuss the portion of the REA that allows utilities to request an incentive.

A. The REA provides that "a public utility should have incentives to go beyond the minimum requirements of the renewable portfolio standard." NMSA 1978, § 62-16-2(A)(5). The Act further provides that "[u]pon a motion or application by a public utility the commission shall…open a docket to develop and provide financial or other incentives to encourage public utilities to produce or acquire renewable energy that exceeds the applicable annual renewable portfolio standard… The incentives may include additional earnings and capital investment opportunities for resources used in furtherance of" achieving the goal of exceeding the applicable RPS standards. NMSA 1978, § 62-16-4(D).

Q. Please discuss the portion of Rule 572 that allows utilities to request an incentive.

A. The Commission adopted Rule 572 to implement the REA. As with the REA itself, Rule 527.22(A) provides that:

> a public utility or any other person, may apply by a motion or application, requesting that the commission provide the public utility with a financial or other incentives to encourage public utilities to produce or acquire renewable energy that exceeds the applicable annual renewable portfolio standard…; results in reductions in carbon dioxide emissions earlier than required…; or causes a reduction in the generation of electricity by coal-fired generating facilities, including coal-fired generating facilities located outside of New Mexico. Public utilities shall file any motion or application under this section concurrently with their annual Renewable Energy Act plan.

17.9.527.22.A NMAC. The Commission, however, amended Rule 572.22 in 2021 to add various requirements to obtain a financial incentive that are not found in the REA itself. First, Rule 572.22.B requires that the incentives must "be related to measures implemented by the utility" after the May 4, 2021, effective date of the 2021 amendments to the rule. Second, Rule 572.22.D provides "[n]o incentive will be awarded under this section with respect to a particular investment if the cost of that investment exceeds the demonstrable value of the corresponding reduction in carbon dioxide or other emissions." Because the language of this provision applies to incentives requested related to "a particular investment," it would not appear to be applicable to a request for financial incentive that is based on a proposal to exceed the applicable RPS standards that does not require a "particular" investment, such as the proposal SPS makes in this

matter. Finally, Rule 572.22.E provides that "the total financial incentive authorized…shall not exceed the product (expressed in dollars) of: (1) the utility's annual weighted average cost of capital (expressed as a percent); and (2) the cost of the measures" used to achieve the purpose of either exceeding RPS standards, reducing carbon dioxide emissions, or reducing coal-fired generation.

Q. Has SPS previously requested a financial incentive under Rule 572, as amended in 2021?

A. Yes. SPS previously proposed exceeding the RPS standards in exchange for a financial incentive as part of SPS's application for its 2022 RPS Plan; however, SPS's request for a financial incentive was denied by the Commission. *See* Case No. 21-00172-UT. SPS is proposing a financial incentive in this filing based on its understanding of the REA and the Commission's rules, notwithstanding that denial. SPS's understanding and the positions stated in the Order in Case No. 21-00172-UT remain open and subject to resolution because SPS has appealed the Commission order denying the financial incentive, as well as the 2021 Commission order adopting amendments to Rule 572.22, to the New Mexico Supreme Court. That appeal remains pending. For the reasons set forth in SPS's

application and testimony, SPS has demonstrated it qualifies for an incentive as part of the instant RPS application.

IV. SPS's RPS PLAN

Q. What do you discuss in this section of your testimony?

A. In accordance with Rule 572.14, I present SPS's calculation of its Plan Year and Next Plan Year RPS compliance requirements and discuss SPS's Plan Year and Next Plan Year compliance with the overall minimum RPS renewable energy requirement. The RPS Plan is Attachment MAC-3.

Q. Please describe SPS's RPS Plan.

A. Consistent with Rule 572, the RPS Plan contains the following: (1) a description and schedule demonstrating that SPS has sufficient renewable resources to satisfy its overall RPS requirement for the Plan Year and Next Plan Year; (2) a description of SPS's proposed mechanism for cost recovery of its 2023 renewable energy and other RPS-related costs; and (3) a comparison of the RPS Plan to the Integrated Resource Plan.

Q. Does SPS's request for a financial incentive impact the RPS Plan?

A. No. SPS's financial incentive proposal in this filing does not require additional procurements during the 2023 and 2024 Plan Years and therefore does not change the RPS Plan costs. SPS expects that, should its incentive proposal be granted,

SPS will be required to acquire additional renewable generation that would impact RPS costs sometime after the 2024 Plan Year.

Q. What are SPS's minimum Plan Year and Next Plan Year RPS requirements?

A. The REA and Rule 572.10 require SPS to supply no less than 20% of SPS's New Mexico retail energy sales by renewable energy for the Plan Year and Next Plan Year. *See* Rule 572.10.B(2). Based on SPS's projected Plan Year and Next Plan Year New Mexico retail sales, SPS's overall RPS requirement for the Plan Year and Next Plan Year are 1,812,636 MWh and 1,909,900 MWh, respectively. *See* Appendix A to the Plan.

A. Plan Year (2023)

Q. What renewable resources does SPS already have approval for, and expect to use, to meet its Plan Year RPS requirements?

A. In the Plan Year, SPS will continue to purchase both energy and Renewable Energy Certificates ("REC") from the Caprock Wind LP ("Caprock") and San Juan Mesa Wind Project LLC ("San Juan") wind facilities.[7] SPS will also continue to purchase energy and RECs through the SunEdison, LLC ("SunE")

[7] SPS also expects to receive additional wind RECs from the Mesalands Qualifying Facility ("QF"); although, since Mesalands is a QF and does not have a long-term contract with SPS, Mesalands is not included in any forecast for wind RECs in this case.

Power Purchase Agreements ("PPA") and its Distributed Generation ("DG") programs. As approved in Case No. 20-00143-UT,[8] as of January 1, 2022, SPS began purchasing the New Mexico retail allocation of the RECs associated with the following renewable energy PPAs: (i) Roswell Solar, LLC ("Roswell"); (ii) Chaves County Solar, LLC ("Chaves"); (iii) Mammoth Plains Wind Project Holdings, LLC ("Mammoth"); and (iv) Palo Duro Wind Energy, LLC ("Palo Duro"). In addition, consistent with the Commission's Final Order in Case No. 18-00201-UT, SPS will apply the New Mexico energy allocation of the Sagamore and Hale wind facilities' RECs to its overall RPS compliance obligations.[9]

[8] *See* Case No. 20-00143-UT, *In the Matter of Southwestern Public Service Company's Annual 2021 Renewable Energy Portfolio Procurement Plan and Requested Approval Therein; Proposed 2021 Renewable Portfolio Standard Cost and Reconciliation Riders; Application for an RPS Incentive; and Other Associated Relief,* Final Order Adopting Recommended Decision with Modification to Decretal Paragraph K (Dec. 16, 2020).

[9] *See* Case No. 18-00201-UT, *In the Matter of Southwestern Public Service Company's Application Requesting: (1) Acknowledgment of its filing of the 2017 Annual Renewable Energy Portfolio Report; (2) Approval of its Annual Renewable Energy Portfolio Procurement Plan for Plan Year 2019; (3) Approval of the Proposed Rate for its 2019 Renewable Portfolio Standard Rider; (4) Approval of its Proposed Treatment of Renewable Energy Certificates Associated with the Sagamore and Hale Wind Facilities; and (5) Other Associated Relief,* Final Order Adopting Recommended Decision (December 12, 2018), Ordering Paragraph 22 "the Commission finds that SPS should be authorized to (i) retire the RECs associated with the Sagamore and Hale wind facilities for RPS compliance as needed".

Q. Does SPS project that it will meet the minimum 20% overall RPS requirement for the Plan Year?

A. Yes. SPS will have sufficient RECs to meet its Plan Year renewable energy requirement. SPS will retire its oldest RECs first, utilizing a first-in, first-out methodology.

B. Next Plan Year (2024)

Q. Please describe the compliance requirements for the Next Plan Year.

A. In the Next Plan Year, SPS's projects its overall RPS requirement to be 1,909,900 MWh (*see* Attachment MAC-3, Appendix A, page 2, line 5).

Q. What renewable resources does SPS expect to use to meet its Next Plan Year requirements?

A. Similar to the Plan Year, in the Next Plan Year, SPS expects to continue to purchase both energy and RECs from the Caprock and San Juan wind facilities. Additionally, SPS expects to continue to purchase energy and RECs through the SunE PPAs and its DG programs. SPS will continue purchasing the New Mexico retail allocation of the RECs associated with the following renewable energy PPAs: (i) Roswell; (ii) Chaves; (iii) Mammoth; and (iv) Palo Duro. Also approved in Case No. 20-00143-UT, as of January 1, 2024, SPS will begin

purchasing the New Mexico retail allocation of the RECs associated with the two PPAs with Bonita Wind Energy, LLC. In addition, SPS will apply the New Mexico energy allocation of both the Sagamore and Hale wind facilities' RECs to its overall RPS compliance obligations. Additionally, SPS expects to utilize wind RECs from the Mesalands QF in the Next Plan Year.

Q. Does SPS project that it will meet the minimum 20% RPS requirements in the Next Plan Year?

A. Yes. SPS will have sufficient RECs to meet its Next Plan Year renewable energy requirement. SPS will retire its oldest RECs first, utilizing a first-in, first-out methodology.

Q. Is the RPS Plan in the public interest?

A. Yes. SPS's RPS Plan balances New Mexico's goals for renewable energy development, not only as a whole, but also through the use of diverse renewable generation sources. As I testified earlier, SPS's RPS Plan proposals are reasonable, in the public interest, and should be adopted.

V. PROJECTED COSTS AND RECOVERY

A. Plan Year and Next Plan Year Costs

Q. Please describe SPS's Plan Year and Next Plan Year RPS related costs.

A. In the Plan Year and Next Plan Year, SPS expects to incur costs for the following items:

1. Wind energy costs from the San Juan, Caprock, Mesalands, Mammoth, and Palo Duro wind facility PPAs. For the Next Plan Year, wind energy costs from the two Bonita PPAs (Lorenzo and Wildcat facilities).[10] These costs are allocated among SPS's three jurisdictions and recovered through SPS's fuel and purchased power cost adjustment clause ("FPPCAC"). Because Mesalands is a QF without a firm PPA, no costs have been estimated.

2. Wind REC costs from the San Juan, Caprock, Mammoth, and Palo Duro wind facilities. For the Next Plan Year, wind REC costs from the two Bonita PPAs (Lorenzo and Wildcat facilities). These costs will be directly assigned to SPS's New Mexico retail jurisdiction and recovered through the RPS Rider.

3. Sagamore and Hale wind facilities costs. These costs and offsetting production tax credits are allocated among SPS's three jurisdictions in base rates and fuel.

4. Solar economic energy costs from the SunE PPAs. These costs are allocated among SPS's three jurisdictions and recovered through fuel.

[10] Wind energy costs from the two Bonita PPAs have been recovered through SPS's FPPCAC for several years. The first year SPS will begin purchasing associated RECs for RPS compliance is 2024.

5. Solar uneconomic energy costs from the SunE PPAs. These costs are directly assigned to SPS's New Mexico retail jurisdiction and recovered through the RPS Rider.

6. Solar RECs from the SunE PPAs. These costs are directly assigned to SPS's New Mexico retail jurisdiction and recovered through the RPS Rider.

7. Solar energy costs from the Roswell and Chaves Solar PPAs. These costs will continue to be allocated on a jurisdictional basis and recovered through SPS's FPPCAC.

8. Roswell and Chaves RECs (New Mexico Retail allocation). As approved in Case No. 20-00143-UT, these REC costs will be directly assigned to SPS's New Mexico retail jurisdiction and recovered through the RPS Rider.

9. DG program and administrative costs. These costs are directly assigned to SPS's New Mexico retail jurisdiction and recovered through the RPS Rider.

10. Western Renewable Energy Generation Information System ("WREGIS") costs. These costs are directly assigned to SPS's New Mexico retail jurisdiction and recovered through the RPS Rider.

Q. What are the Plan Year estimated costs?

A. The Plan Year cost estimates, both for economic energy and incremental RPS costs,[11] are summarized in Attachment MAC-3, Appendix B, page 1. The total projected Plan Year renewable energy costs are $167,586,358 (total company)

[11] Incremental RPS costs include: wind and solar REC costs, uneconomic energy costs under the SunE PPAs, DG incentives and administration costs, and WREGIS registration costs.

(column A, line 28). Of the total, $72,270,762 are assigned to New Mexico retail customers (column G, line 28); with $(21,589,116) flowing through fuel (column E, line 28), which is a net credit to customers; $80,571,977 recovered through New Mexico retail base rates (column C, line 28); and $13,287,902 (column F, line 28) through the 2023 RPS Rider.

Q. What are the Next Plan Year estimated costs?

A. The Next Plan Year cost estimates, both for economic energy and incremental RPS costs, are summarized in Attachment MAC-3, Appendix B, page 2. The total projected Next Plan Year costs are $191,303,771 (total company) (column A, line 30). Of the total, $85,172,363 are assigned to New Mexico retail customers (column G, line 30); with $(13,881,877) flowing through fuel (column E, line 30), which is a net credit to customers; $84,844,936 (column C, line 30) recovered through New Mexico retail base rates; and $14,209,304 (column F, line 30) through the RPS Rider.

Q. How were the Plan Year and Next Plan Year costs estimated?

A. The Plan Year and Next Plan Year costs, for each of the components described above, were projected as follows (the detailed calculations are provided in Attachment MAC-3, Appendix C):

1. Wind Energy Costs: Projected MWh production multiplied by the applicable year contract costs less the Commission-established wind REC price (currently, $1.35/MWh for San Juan and Caprock) (lines 2-3), projected MWh production multiplied by the applicable year contract costs for Mammoth and Palo Duro (lines 4-5), for the Next Plan Year, projected MWh production multiplied by the applicable year contract costs for the two Bonita PPAs (Lorenzo and Wildcat facilities) (page 2, line 6);

2. Wind RECs: Projected MWh production, less wholesale transfers, multiplied by the Commission-established wind REC price (currently, $1.35/MWh for San Juan and Caprock) (page 1, lines 7-8 and page 2, lines 8-9); projected MWh production multiplied by REC option price in contracts for Mammoth Plains and Palo Duro (page 1, lines 9-10 and page 2, lines 10-11), for the Next Plan Year, projected MWh production multiplied by REC option price in contracts for the two Bonita PPAs (Lorenzo and Wildcat facilities) (page 2 line 12);

3. Hale and Sagamore (owned) Wind Facility Costs: Projected MWh production multiplied by the estimated net costs (page 1, lines 12-13 and page 2, lines 14-15);

4. SunE Solar Economic Energy: Projected MWh production multiplied by the economic costs on a $/MWh basis (as a part of the total applicable year contract costs) (page 1, line 15 and page 2, line 17);

5. SunE Solar Uneconomic Energy: Projected MWh production multiplied by the uneconomic costs on a $/MWh basis (as a part of the total applicable year contract costs) (page 1, line 16 and page 2, line 18);

6. SunE Solar RECs: Projected MWh production multiplied by solar REC price established in Case No. 20-00143-UT (page 1, line 17 and page 2, line 19);

7. Roswell and Chaves Solar Economic Energy: Projected MWh production multiplied applicable year contract costs (page 1, lines 18 and 20 and page 2, lines 20 and 22);

8. Roswell and Chaves Solar RECs: MWh production multiplied by REC option price in contracts (page 1, lines 19 and 21 and page 2, lines 21 and 23);

9. DG Expenses: Currently-installed DG program production, adjusted for annual degradation, multiplied by applicable incentive payments (page 1, line 23 and page 2, line 25); and

10. WREGIS: Plan Year and Next Plan Year transactions multiplied by cost per transactions (page 1, line 24 and page 2, line 26).

B. Cost Recovery Standards

Q. What are the standards for RPS-related cost recovery?

A. The REA provides that:

> A public utility that procures or generates renewable energy shall recover, through the rate-making process, the reasonable costs of complying with the renewable portfolio standard. Costs that are consistent with commission approval of procurement plans or transitional procurement plans shall be deemed to be reasonable.[12]

Q. Are the projected costs you described above consistent with the Commission's prior approvals?

A. Yes. The projected costs are based on Commission-approved RPS Plans from prior SPS RPS cases that were deemed reasonable.

[12] NMSA 1978 § 62-16-6(A).

C. Cost Recovery

Q. How will the Plan Year and Next Plan Year costs be recovered?

A. The costs will be recovered through a combination of base rates, fuel, the RPS Rider,[13] and the RPS Reconciliation Rider. Specifically, economic wind and solar energy costs from the PPAs and owned facilities will be allocated among and collected from SPS's New Mexico retail, Texas retail, and wholesale customers on a proportional basis through base rates and the FPPCAC. The remaining costs will be collected through SPS's Plan Year and Next Plan Year RPS Riders and RPS Reconciliation Riders.

a. 2023 RPS Rider

Q. Does SPS currently have an RPS Rider in effect?

A. Yes. In Case No. 12-00350-UT the Commission approved SPS's RPS Rider and authorized recovery of costs for calendar year 2014. In each subsequent annual RPS filing, the Commission approved SPS's annual RPS Rider revenue

[13] In Case No. 19-00134-UT, the Commission concluded that the issue of whether to continue SPS's RPS Rider was to be considered in its pending rulemaking, Case No. 19-00296-UT. That case was bifurcated and now the issue of whether to continue RPS riders is to be considered in the pending Case No. 20-00158, *In the Matter of an Inquiry Into Potential Amendments to NMPRC Rule 17.9.572 NMAC Relating to the Renewable Energy Rate Riders and Line Loss Adjustments*.

requirements, resulting rates, and cost recovery.[14] Similarly, in this case, I have prepared a 2023 RPS Rider revenue requirement and Mr. Saenz provides the resulting rates. I have provided an estimated 2024 revenue requirement for informational purposes. SPS will present its 2024 RPS Rider revenue requirement, for Commission approval, in its next RPS filing (to be filed by July 1, 2023).

Q. What is SPS's 2023 RPS Rider revenue requirement?

A. As detailed in Attachment MAC-4, page 1, SPS's total proposed 2023 revenue requirement is approximately $8,168,305.91 (line 11). The reconciliation of the 2021 RPS Rider is a component of the 2023 RPS Revenue Requirement (rather than a component of the RPS Reconciliation Rider) because those costs are not associated with the elimination of the large customer cap. The large customer cap was eliminated under the Energy Transition Act.[15]

Q. Please describe the reconciliation of the 2021 RPS Rider.

A. Please refer to Appendix E of Attachment MAC-2 (lines 5-12) for the detailed reconciliation. Because the costs were projected, it was first necessary to

[14] *See* Attachment MAC-7 for a list of SPS's Annual RPS filings approved by the Commission.
[15] Energy Transition Act, 2019 N.M. Laws ch. 65 § (introduced as SB No. 489 (2019)).

determine the actual costs, which are presented in column B. The difference between the projected and actual costs was $6 million. The material difference is the result of the SunE PPAs being less uneconomic than forecasted (line 9 - $3.9 million) and the timing of the purchase of Wind RECs from Bonita, Palo Duro, and Mammoth (line 11 - $1.2 million). At the time the 2021 RPS Rider was calculated, SPS estimated it would begin purchasing RECs from these facilities in 2021; however, SPS began purchasing RECs from Palo Duro and Mammoth in 2022 and will begin purchasing RECs from the two Bonita PPAs in 2024. The difference in timing is related to when SPS was able to exercise its right of first offer at the contract REC price rather than at a higher price.

Next, the revenues received from the 2021 RPS Rider (column C, line 12 - $16 million) were compared to the actual costs (column B, line 12 - $11 million) to determine the line item over- or under-recoveries (column D). When the actual costs were compared to actual revenues, the net result is an over-collection of $5.1 million (column D, line 12).

Q. Has SPS determined the 2023 RPS Rider rate?

A. Yes. Using the 2023 RPS Rider revenue requirement, Mr. Saenz calculates the 2023 RPS Rider rate. The calculations are presented by Mr. Saenz in his direct testimony.

b. 2023 RPS Reconciliation Rider

Q. Does SPS currently have an RPS Reconciliation Rider in effect?

A. Yes. In Case No. 19-00134-UT, the Commission approved the 2020 RPS Reconciliation Rider that was created to return or recover costs associated with time periods prior to elimination of the large customer cap.

Q. Please describe the reconciliation of the 2021 RPS Reconciliation Rider.

A. The 2021 RPS Reconciliation Rider was designed to return the over-recovery of the 2019 RPS Rider and associated interest. Please refer to Appendix E of Attachment MAC-2 (lines 1-4) for the detailed reconciliation. The actual costs match the projected costs as presented in column B.

Next, the revenues received from the 2021 RPS Reconciliation Rider (column C, line 4 – ($2.8 million)) were compared to the actual costs (column B, line 4 - ($3.4 million)) to determine the line item over or under recoveries

(column D). When the actual costs were compared to actual revenues, the net result is an over collection of $0.5 million[16] (column D, line 4).

Q. Has SPS determined the 2023 RPS Reconciliation Rider rate?

A. Yes. Mr. Saenz calculates the 2023 RPS Reconciliation Rider rate using the 2023 Revenue Requirement produced by his calculations. The calculations are presented by Mr. Saenz in his direct testimony.

Q. Is the 2023 RPS Reconciliation Rider rate calculated in the same manner as the 2022 RPS Reconciliation Rider in SPS's 2021 RPS filing?

A. No. In prior filings, SPS's reconciliation of the RPS Reconciliation Riders were primarily based on actual over- or under-recovery during the prior year. SPS did not take into consideration the expected over- or under-recovery of amounts during the year of the filing. For the 2023 RPS Reconciliation Rider, Mr. Saenz performs a calculation that considers recovery of amounts via the RPS Reconciliation rider for a time span from the inception of the Reconciliation Rider through forecasted 2023. Mr. Saenz discusses this calculation in his testimony. Mr. Saenz's calculations are intended to create a 2023 RPS Reconciliation Rider

[16] Due to fewer billing units than projected in 2021, SPS was not able to fully return the over-recovery related to the 2019 RPS Rider.

rate that will result in a difference that is as close to zero as possible at the end of 2023; this is intended to ultimately eliminate the Reconciliation Rider.

VI. COMPLIANCE WITH PRIOR COMMISSION ORDERS

Q. Please describe the prior Commission orders and the resulting requirements that SPS must follow.

A. In its Final Order in Case No. 15-00208-UT, the Commission adopted the Hearing Examiner's Recommended Decision, which among other items, approved SPS's request to modify its DG tariffs to align the payment methodology for excess energy with the Southwest Power Pool's Integrated Marketplace. The Recommended Decision required SPS to provide, in its annual report, the prior year's information showing the monthly excess generation, the average estimated price paid, the actual price, and a reconciliation of the cost on a quarterly basis. This information is provided in Appendix F to the 2021 RPS Report.

In Case No. 18-00308-UT, the Commission approved SPS's new voluntary renewable program, Solar*Connect. As part of that approval, the Commission requires annual reporting related to the program. A portion of the Recommended Decision which was approved by the Final Order reads as follows:

> SPS shall annually file a revised Solar*Connect Community Rate Rider and Solar*Connect Credit based on updated avoided cost calculations in SPS's July 1 Annual Renewable Energy Procurement Report beginning in 2020. The update shall include: 1) the updated Solar*Connect Credit for the upcoming calendar year; 2) the amount of subsidization by non-participants for the

previous year; 3) the actual number of participants and the subscription levels for the previous year; 4) an analysis showing the level of cross-subsidization for the previous Solar*Connect program year; 5) a summary of Solar*Connect program performance in terms of actual participant numbers and subscription levels; 6) testimony, attachments, and all data supporting the Solar*Connect premium for the upcoming calendar year; and 7) an Advice Notice for the updated Solar*Connect Community Rate Rider, which will reflect the Solar*Connect premium for the upcoming calendar year.

I address items 1, 6, and 7 in the next section of my testimony. Items 2, 3, and 4 are addressed in SPS's 2021 RPS Report, provided as Attachment MAC-2.

VII. SOLAR*CONNECT PREMIUM CALCULATION

Q. What do you discuss in this section of your testimony?

A. In this section of my testimony, I discuss SPS's Solar*Connect premium for 2023, as shown in Advice Notice No. 306 and associated rate tariff.[17]

Q. What is the 2023 Solar*Connect premium?

A. The 2023 Solar*Connect premium is $0.00477/ kilowatt-hour ("kWh").

Q. How is the Solar*Connect premium calculated?

A. The premium is calculated as the total PPA price (also called the "charge") less the credit (the avoided costs), consistent with the approval received in Case No. 18-00308-UT.[18] For 2023, the total PPA price (the Solar*Connect Charge) is $0.04031/kWh. This calculation can be found in Attachment MAC-6 .

Q. How is the credit calculated?

A. The Solar*Connect Credit is the value, measured on a $/MWh ($/kWh) basis, of the forecasted avoided costs to the SPS system as a result of the Solar*Connect PPA. The avoided costs are forecasted on an annual basis, using a conservative (i.e., low) forecast of gas prices. The forecasted avoided costs are calculated on

[17] Please see attachment MAC-5 for a copy of the proposed Solar*Connect Community Rate Rider tariff

[18] *See* the Direct Testimony of Ruth M. Sakya in Case No. 18-00308-UT.

an hourly basis using a production costing model, Plexos. SPS runs the model both with and without the Solar*Connect PPA to determine the costs that would have been incurred but for the PPA.

Using this Commission-approved methodology, SPS has calculated the forecasted avoided costs (the Solar*Connect Credit) for 2023 to be $0.03554/ kWh. This calculation can be found in Attachment MAC-6.

Q. Do you propose any additional changes to the tariff associated with Solar*Connect?

A. Yes. As shown in Advice Notice No. 306, I suggest clarifying the Solar*Connect Charge on Rate No. 76 to include the dollar per MWh charge for the billing period rather than the language that denotes the initial year charge, indicating that charge increases 2% per calendar year.

Q. Do you propose any additional changes to the tariffs?

A. Yes. The Solar*Connect program was approved in Case No. 18-00308-UT as a replacement for the Windsource program. I propose elimination of Rate No. 33, the rate that was used for the terminated Windsource program.

VIII. APPLICATION FOR INCENTIVE

Q. What do you discuss in this section of your testimony?

A. I discuss SPS's request, pursuant to REA Section 62-16-4(D), that the Commission grant SPS a financial incentive for SPS to achieve the level of the 2025 40% RPS requirement early, during Plan Years 2023 and 2024. To the extent Rule 572.22.D is deemed applicable to SPS's request, I also discuss SPS's request for a variance from that rule because the cost-benefit analysis required by the Rule is inconsistent with the REA to the extent it is applied to financial incentive requests that are based on exceeding applicable RPS standards.

Q. Did SPS apply for an incentive in its 2021 RPS filing?

A. Yes, as noted earlier, SPS applied for an incentive in its 2021 RPS filing, Case No. 21-00172-UT, but that request was denied. An appeal of the Commission order denying that request is currently pending at the New Mexico Supreme Court.

Q. Is SPS applying for an incentive in the current filing?

A. Yes, in light of the appeal currently pending in the New Mexico Supreme Court, SPS is applying for a financial incentive in its 2023 RPS Plan application consistent with SPS's position in the pending appeal and to preserve SPS's rights.

SPS continues to be a leader in New Mexico with respect to renewable energy, and its performance in this area has been exceptional. Granting SPS its requested financial incentive would demonstrate that utilities who commit to exceeding the RPS requirements will be incentivized to continue that exceptional performance.

Q. Please describe SPS's incentive request.

A. SPS proposes to receive a financial incentive in exchange for retiring RECs over and above what is required by the current RPS, so as to meet the 2025 40% standard two years ahead of the statutory deadline to do so. As further detailed in the testimony of Mr. Elsey, if SPS's proposal to retire RECs earlier than required in exchange for a financial incentive is approved, then SPS will need to procure additional renewable generation approximately two years earlier than would be required if the financial incentive were denied and SPS only retired the RECs needed to meet current RPS standards. In this way, the Commission's grant of a financial incentive consistent with SPS's proposal will necessarily further the REA's goals of encouraging additional, earlier investment in renewable generation.

SPS's intention is to only retire RECs early if the Commission approves a financial incentive for it to do so. SPS's banked RECs provide value to customers

by allowing SPS to continue to comply with RPS standards without purchasing additional renewable generation; accordingly, it would be imprudent for SPS to voluntarily retire RECs in the absence of a Commission-approved incentive. SPS requests an incentive of a dollar per REC retired in exceedance of the current 20% standard up to the 2025 40% standard. In his direct testimony, Mr. Elsey presents the number of RECs necessary to meet the 2025 standard in Plan Years 2023 and 2024 and explains how he determined that amount. Table MAC-1 presents the number of RECs.

Table MAC-1

Year	**2023**	**2024**
Number of RECs	1,812,636	1,909,900

Because SPS is requesting a one-dollar-per-REC incentive, this equates to a total incentive of $1,812,636 in Plan Year 2023 and $1,909,900 in Plan Year 2024. In accordance with Rule 572.15.E, SPS will reconcile this forecast each year so that the amount passed on to customers reflects the actual number of RECs retired in order to meet the 2025 40% standard. As I explain below, this request is below the cap set by Rule 572.22.E.

Q. Why has SPS proposed a financial incentive of $1 per REC?

A. SPS believes that this amount reasonably incentivizes the early retirement of RECs and is prudent in light of typical market values of RECs. As I explain below, this amount is below the cap required by Rule 572.22.E, and it is also below the prevailing market price for RECs in Texas, where there is an active market for RECs.[19] SPS believes that looking to the market price of RECs is, at this time, an objective proxy to inform a meaningful incentive amount for retiring those RECs early.

A. Compliance with REA and Rule 572

Q. Is this incentive request consistent with the REA?

A. Yes. The REA provides for the Commission to establish incentives to encourage public utilities to exceed the annual RPS standards. The incentives may include additional earnings and capital investment opportunities. Moreover, the REA provides that a utility must demonstrate RPS compliance "by its retirement of renewable energy certificates; provided that the associated renewable energy is delivered to the public utility and assigned to the public utility's New Mexico

[19] According to ICAP Energy, LLC market reports.

customers."[20] SPS's proposed financial incentive comports with the REA because it seeks to incentivize SPS to achieve one of the approved purposes of financial incentives—that is, exceeding RPS standards by retiring RECs in excess of the current 20% standard.

Q. Is this request consistent with Rule 572?

A. Yes. SPS's proposal is consistent with the Commission's definition of "financial incentive" as stated in Rule 572.7.F. Moreover, SPS's proposal is consistent with Rule 572.22.A, B, C, and E because SPS is proposing a financial incentive in exchange for exceeding the applicable RPS standards in Plan Year 2023 and 2024. Additionally, Mr. Saenz presents and supports the Renewable Performance Rider that SPS proposes to use to collect the proposed financial incentive, as is required by Rule 572.15.E

SPS believes that a cost-benefit analysis cannot, under the REA, be tied solely to carbon dioxide emissions reductions. To give full effect to the REA and language of Rule 572.22.D, SPS believes that the cost-benefit analysis required under that section must consider benefits other than emissions reductions.

[20] NMSA 1978, §62-16-4 (A). Rule 17.9.572.10.C NMAC also requires a utility to demonstrate it has complied with renewable portfolio standards by retiring RECs.

However, to the extent the Commission interprets Rule 572.22.D to be applicable to SPS's proposal and to only allow for consideration of benefits associated with emissions reductions, SPS is requesting a variance from that provision.

Q. Please explain how SPS's proposal is consistent with the Commission's definition of "financial incentive" as stated in Rule 572.7.F.

A. Rule 572 defines "financial incentive" as "money or additional earnings that the public utility is authorized to collect from ratepayers by the commission or capital investment opportunities to encourage certain behaviors or actions that would not otherwise have occurred in order to further the outcomes described in Section 62-16-4 NMSA 1978 (2019)."[21] As I stated above, SPS does not intend to exceed the current annual renewable portfolio standard, and meet the 2025 40% standard two years early, by retiring RECs early unless its proposal for a financial incentive is approved.

The REA states that the purpose of incentives is to "encourage public utilities to produce or acquire renewable energy that exceeds the applicable annual renewable portfolio standard…."[22] This incentive request furthers this

[21] 17.9.572.7.F NMAC (emphasis added).

[22] NMSA 1978 § 62-16-4(D).

legislative intent in two ways. First, as Mr. Elsey explains in his direct testimony, retiring RECs early in exchange for a financial incentive will necessarily result in SPS needing to procure or acquire additional renewable energy resources approximately two years earlier than would otherwise be required in order for SPS to keep pace with the REA's renewable portfolio standards in coming years. Second, because a REC "represents all the environmental attributes from one megawatt-hour of electricity generated from renewable energy. . . ,"[23] SPS's proposal to retire RECs to meet 2025's 40% standard in 2023 and 2024, rather than the 20% standard required for those years, is a proposal to exceed applicable RPS standards; this is one of the qualifying purposes of a financial incentive under the REA and Rule 572.22. Therefore, the requested financial incentive is consistent with the Commission's own Rule, as it would encourage an action by SPS that will not otherwise occur without the incentive.

Q. Please explain how SPS's proposal is consistent with Rule 572.22.A.

A. Rule 572.22.A mostly repeats NMSA 1978 § 62-16-4(D); however, the last sentence of the Rule requires that public utilities shall file any motion or application for an incentive under the REA concurrently with their annual REA

[23] NMSA 1978 § 62-16-3 (G); 17.9.572.7.R(3).

plan. In conformance with this requirement, SPS is filing this request concurrently with its REA plan.

Q, Please explain how SPS's proposal is consistent with Rule 572.22.B.

A. Rule 572.22.B states that:

> A financial or other incentive proposed under this section must be related to measures implemented by the utility after the effective date of this rule to accomplish at least one of the following purposes:
>
> (1) exceeding the public utility's annual RPS requirements;
>
> (2) reducing carbon dioxide emissions earlier than required by Subsection A of Section 62-16-4 NMSA 1978; or
>
> (3) reducing the generation of electricity by coal-fired generating facilities, including coal-fired generating facilities located outside of New Mexico that serve the utility's customers.[24]

SPS's incentive proposal meets this requirement as SPS proposes to exceed the applicable 20% RPS requirement by retiring RECs in excess of that standard. Specifically, SPS proposes to retire RECs to meet the 40% standard, which is not in effect until 2025, in Plan Years 2023 and 2024.

Q. Please explain how SPS's proposal is consistent with Rule 572.22.C.

A. Rule 572.22.C states:

[24] 17.9.572.22.B NMAC.

> The public utility or other person requesting a financial or other incentive has the burden to prove by a preponderance of evidence that the terms and duration of the proposed incentive meet the requirements of this rule and are just and reasonable in light of the utility's costs, its authorized return, and the magnitude of any other incentives that have been authorized by the commission. Any application or motion requesting a financial or other incentive shall be supported by written testimony and exhibits.[25]

First, SPS is supporting its application for an incentive in its written testimony filed with its RPS application. Second, as my testimony demonstrates, the proposed incentive is just and reasonable in light of SPS's costs and its authorized return. Third, SPS cannot compare this proposed incentive with the magnitude of any other incentives that have been authorized by the Commission as it is not aware of any other incentives authorized by the Commission pursuant to the REA.

Q. Please explain how Rule 572.22.D applies to SPS's proposal.

A. Rule 572.22.D states:

> No incentive will be awarded under this section with respect to a particular investment if the cost of that investment exceeds the demonstrable value of the corresponding reduction in carbon dioxide or other emissions. A utility requesting a financial or other incentive under this rule must establish that the benefits of achieving the goals set out in Subsection B of this section above are not exceeded by the costs it incurred to achieve them. To

[25] 17.9.572.22.C NMAC.

> establish this, the utility must provide detailed analysis for each applicable period, including but not limited to:
> (1) the utility's total carbon dioxide emissions;
> (2) the reduction in the utility's carbon dioxide emissions attributable to the measures described in Subsection B of this section;
> (3) the estimated value of the reduction in carbon dioxide emissions described in Paragraph (2) of this subsection based on an analysis of relevant carbon dioxide markets;
> (4) the cost of the measures implemented by the utility that resulted in the lower carbon dioxide emissions identified in Paragraph (2) of this subsection and the dates when each measure was implemented; and
> (5) any other costs necessary to implement each of the measures identified in Subsection B of this section.

As an initial matter, Rule 572.22.D does not appear to be applicable to financial incentive proposals, such as the proposal SPS makes here, that are based solely on exceeding RPS standards under Rule 572.22.B(1), because the language of Rule 572.22.D appears to only be applicable to incentive proposals under Rule 572.22.B(2) that propose a "particular investment" and a specific amount of carbon dioxide emissions reductions. That is, the rule language is written in a manner that it can only be logically applied to incentive proposals made under Rule 572.22.B(2), and not those made under Rule 572.22.B(1) and (3). Accordingly, the Commission could find that the provision is simply not applicable to SPS's proposal.

To the extent the Commission believes Rule 572.22.D is applicable, it should be applied by the Commission in a manner that considers benefits other than emissions reductions. The analysis described in Rule 572.22.D(1)-(5) specifically cites to only benefits related to emissions reductions; however, the Commission must consider other, non-emissions related benefits in the analysis to remain consistent with the REA and other language in Rule 572.22. For example, non-emissions related benefits should be considered because Rule 572.22.D expressly states that factors "including *but not limited to*" those listed in paragraphs (1)-(5) must be included in the analysis. Rule 572.22.D also states that the cost-benefit analysis must consider all benefits associated with the goals set out in Rule 572.22.B, and those goals include "exceeding the public utility's annual RPS requirements." The benefits of exceeding the public utility's annual RPS requirements extend beyond emissions reduction. Finally, the goals of the REA itself go beyond emissions reduction, as the statute states it is intended to promote "energy self-sufficiency" and provide "economic benefits" to the state through the increased use of renewable energy.[26] It also states it is intended to "preserve the state's natural resources and pursue an improved environment in

[26] *See* NMSA 1978 § 62-16-2.

New Mexico," which goes beyond greenhouse gas issues. Accordingly, these factors must be taken into consideration in any cost-benefit analysis of a proposed financial incentive. I describe the potential application of such non-emissions related factors to SPS's incentive proposal further below.

To the extent the Commission finds the factors stated in Rule 572.22.D(1)-(5) are applicable to a cost benefit analysis of SPS's proposal, specific analysis of those provisions is provided in the testimonies of Dr. Lieb and Mr. Elsey. Dr. Lieb addresses the requirements in Rule 572.22.D(1)-(3), and Mr. Elsey addresses the requirements in Rule 572.22.D(4)-(5).

If the Commission determines that the emission reduction benefits described in Rule 572.22.D(1)-(3) are the only benefits that can be considered in the cost-benefit analysis, then SPS requests a variance from Rule 572.22.D, as described further below.

Q. Does the Rule clearly state what methodology should be used to calculate the "costs [the utility] incurred to achieve" under the Rule?

A. No, Rule 572.22.D does not explain this, and no methodology was explained in the promulgation of the Rule. Further, no such methodology is found anywhere in the REA.

Q. Notwithstanding the ambiguity of the Rule's cost-benefit test, did SPS attempt such a calculation as to "cost"?

A. Yes. In his direct testimony, Mr. Elsey explains that SPS calculated the "cost" using the weighted levelized cost of generating the additional MWh ("LCOE") represented by the REC to be retired.

Q. Has SPS quantified benefits under the test?

A. Dr. Lieb quantified one, very specific benefit: greenhouse gas emissions reductions. As I discuss, there are other benefits that the legislature itself identified but that are not readily quantifiable.

Q. Does SPS conclude "that the benefits of achieving the goals set out in Subsection B . . . are not exceeded by the costs it incurred to achieve them"?

A. Yes. The valuation of avoided greenhouse gas emissions by itself yields a benefit-to-cost ratio of 0.936 – i.e., approaching benefits matching costs. As Dr. Lieb demonstrates, under the methodology provided, the estimated value of the reduction in emissions—including carbon dioxide, methane, and nitrous oxide—achieved by SPS's proposal (i.e., the benefits) is $92,662,701 for 2023 and 2024 combined. As Mr. Elsey demonstrates, and based on the methodology used by SPS in this matter, the cost of the measure needed to meet the 40% renewable

portfolio standard early is $98,989,390. Only an additional ~$6.3 million in value assigned to the other benefits recognized by New Mexico and the legislature is needed for SPS's proposal to satisfy the cost-benefit analysis requirement.

Q. Should the Commission consider benefits other than emissions related benefits in conducting the cost-benefit analysis?

A. Yes. As previously stated, the Commission should consider non-emissions related benefits of SPS's incentive proposal to remain consistent with the REA and other language in Rule 572.22. Although not readily quantifiable, the non-emissions related benefits associated with SPS's incentive proposal should be deemed to be at least as valuable as the ~$6.3 million needed to satisfy the Rule 572.22.D cost-benefit analysis. For example, SPS's proposal to retire RECs to meet the 2025 RPS standard two years early—and to thereby accelerate its acquisition of additional renewable generation by approximately two years—provides benefits such as increased energy self-sufficiency. Further, as set out in the stated purposes of the REA itself, accelerated acquisition of additional renewable generation will provide economic benefits to the state.[27] The REA also states it is intended to "preserve the state's natural resources and pursue an

[27] *See* NMSA 1978 § 62-16-2(A)(2).

improved environment in New Mexico," which goes beyond greenhouse gas issues – for example, SPS's renewable generation conserves water resources. The Commission should assign sufficient value to these benefits and find that SPS has satisfied the Rule 572.22.D cost-benefit analysis.

Q. What is your basis for assigning at least $6.3M in value to the non-emissions related benefits of SPS's proposal?

A. SPS's own experience with building significant renewable generation in the state has shown that it can result in hundreds of millions of dollars of economic benefit for New Mexico. For example, as reflected in the direct testimony of David T. Hudson in Case No. 20-00238-UT, SPS's Sagamore wind project is projected to deliver over its lifespan an estimated $89 million in payments to landowners, $101 million in property taxes, and approximately $44 million in gross receipts tax for New Mexico. Given the magnitude of the economic benefits that flow from just one renewable project, it is more than reasonable to presume that SPS's proposal to retire RECs early and bring additional renewable generation to the state approximately two years earlier than otherwise required will result in economic benefits well over the amount needed to tip the Rule 572.22.D cost-benefit analysis in favor of SPS's incentive request.

Q. Is SPS requesting a variance from Rule 572.22.D, if needed?

A. Yes. To the extent the Commission finds that the Rule is applicable to SPS's proposal and that SPS cannot satisfy the cost-benefit analysis under whatever methodology is ultimately adopted by the Commission, SPS requests a variance from Rule 572.22.D. SPS's reasons supporting this variance request are detailed later in my testimony.

Q. Please explain how SPS's proposal is consistent with Rule 572.22.E.

A. Rule 572.22.E states, "[t]he total financial incentive authorized for recovery in rates pursuant to this section shall not exceed the product (expressed in dollars) of: (1) the utility's annual weighted average cost of capital (expressed as a percent); and (2) the cost of the measures described in Subsection B of this section."[28]

SPS's weighted average cost of capital ("WACC") is 7.19%, which was approved in Case No. 19-00170-UT, SPS's last litigated rate case. The cost of that measure—i.e., retiring RECs early—is the levelized cost of the renewable energy required to generate the REC retired. As I stated above, according to the REA and the Commission's rule, one REC represents one MWh of electric energy

[28] 17.9.572.22.E NMAC.

generated by renewable energy. As Mr. Elsey explains in his direct testimony, SPS used its LCOE to determine the cost for each MWh used to exceed the current standard up to 40%. The formula below calculates the cap for 2023–2024:

(WACC)*(# of RECs retired * LCOE) = cap

7.19% * (3,722,536*26.59) = $7,116,823

The cap for Plan Year 2023 is 3,465,436. As I stated above, the incentive proposed by SPS is well below this cap.

B. Variance Request from Rule 572.22.D Cost Benefit Requirement

Q. What does Rule 572 require in relation to variance requests?

A. Rule 572.21 requires a utility to perform the following:

A. identify the section of this rule for which the exemption or variance is requested;

B. describe the situation that necessitates the exemption or variance;

C. set out the effect of complying with this rule on the public utility and its customers if the exemption or variance is not granted;

D. define the result the request will have if granted;

E. state how the exemption or variance will be consistent with the purposes of this rule;

F. state why no other reasonable alternative is preferable; and

G. state why the proposed alternative is in the public interest.

Q. From what provision of Rule 572 is SPS requesting a variance?

A. SPS is requesting a variance from Rule 572.22.D, to the extent the Commission finds the Rule applicable to SPS's proposal and finds that SPS has not satisfied the cost-benefit analysis. Specifically, SPS requests a variance from the following requirement: "A utility requesting a financial or other incentive under this rule must establish that the benefits of achieving the goals set out in Subsection B of this section above are not exceeded by the costs it incurred to achieve them."

Q. Why is SPS requesting a variance from this section of Rule 572?

A. As I explained above, it is unclear how to calculate the "costs [the utility] incurred to achieve" under Rule 572, and the cost-benefit requirement is inconsistent with the language in the REA that permits a financial incentive to be granted for exceeding RPS standards, particularly to the extent the Commission limits its consideration to only benefits associated with emissions reduction.

Q. Are there other reasons that SPS is requesting a variance from the cost-benefit requirement in Rule 572.22.D?

Yes. First, Section 62-16-4(D) of the REA contains no requirement that in order to earn an incentive, a utility must demonstrate that the costs of a measure taken to further the goals set forth in the REA be lower than the emission-related

benefits the measure will achieve. Thus, a variance is requested in order to properly align the Commission's rule with the statute.

Second, to the extent emissions reductions are deemed to be the sole consideration when calculating the value of the benefit under Rule 572.22.D, the benefit of the cost threshold is relatively low (as demonstrated by Dr. Lieb in her direct testimony). This creates a seemingly insurmountable barrier to qualifying for an incentive, as the social cost of carbon is currently about equal to SPS's generation weighted LCOE of its existing renewable portfolio mix. Further, the cost of future renewable generation could often exceed this value of the benefit, as renewable tax credits are phased out or once transmission network upgrades are considered.

Third, because utilities may often struggle to qualify for an incentive under the Commission's cost-benefit analysis, applying Rule 572.22.D to SPS's proposal would effectively create a disincentive to meet the RPS requirements under the REA ahead of the statutory deadlines to do so.

Lastly, because the Rule 572 provides no method to determine the "cost of a measure," this determination is highly subjective and vague. Whatever method a utility proposes to determine the cost of a measure can be attacked as not the

correct methodology; therefore, this provision of the rule is unclear and unworkable.

In short, applying Rule 572.22.D to otherwise-qualifying incentive requests, such as SPS's proposal, would render both the incentive positions in the REA and the Commission's own incentive rule meaningless, because it is entirely unclear how any incentive proposal could ever satisfy the standard set out in Rule 572.22.D.

Q. If a variance from Rule 572.22.D is granted, how can SPS demonstrate that the cost of its incentive proposal is reasonable?

A. If the Commission were to grant a variance from Rule 572.22.D—or simply determine that the Rule 572.22.D is not applicable to SPS's incentive proposal—SPS is still required to demonstrate under Rule 572.22.E that the incentive does "not exceed the product (expressed in dollars) of: (1) the utility's annual weighted average cost of capital (expressed as a percent); and (2) the cost of the measures" proposed to obtain the incentive. As described in both my testimony and the testimony of Mr. Elsey, SPS has demonstrated that its requested incentive achieves this standard.

Q. How would requiring SPS to comply with these provisions of Rule 572 impact SPS and its customers, if the variance is not granted?

A. Requiring compliance with the carbon emissions cost-benefit analysis in Rule 572.22.D, using the methodology offered by SPS, as a condition of receiving the proposed incentive would mean that SPS would not qualify for an incentive and thus will not retire RECs early to meet the 2025 40% standard in Plan Years 2023 and 2024. In turn, SPS would not be incentivized to make earlier procurements of additional renewable generation to offset those early-retired RECs, thus delaying the incorporation of additional renewable resources in New Mexico. Further, SPS customers and all New Mexicans would not receive the benefits of the resulting increased renewable energy on SPS's system and any corresponding decreased carbon emissions.

Q. What would be the result if the variance request is granted?

A. If the variance request is granted and the Commission finds that SPS has proposed a financial incentive that meets all other requirements of the REA and Rule 572, then SPS will retire RECs early in order to meet the 2025 40% standard in Plan Years 2023 and 2024. In turn, SPS would acquire additional renewable generation sooner than otherwise required to offset the early-retired RECs. Further, SPS

customers and all New Mexicans will receive the benefits identified in Section 62-16-2 of the REA, such as increased renewable energy on SPS's system, decreased emissions, and greater economic benefits.

Q. Please state how the variances will be consistent with the purposes of Rule 572.

A. The stated purpose of Rule 572 "is to implement the [REA] and to bring significant economic development and environmental benefits to New Mexico." Granting SPS a variance from the cost-benefit requirements of Rule 572.22.D will ensure that the Commission is acting consistently with the REA in its implementation and will bring the environmental benefits of 40% renewable energy to SPS customers and New Mexicans two years earlier than required. Moreover, granting the proposal will incentivize SPS to acquire additional renewable generation sooner than otherwise required, thereby fostering additional economic development and environmental benefits in conformance with the intent of the REA.

Q. Why is no other reasonable alternative preferable?

A. No other option will allow SPS to qualify for an incentive in order to further the policy objectives of the REA ahead of the statutory deadlines to do so. Indeed,

because SPS has been a leader in renewable energy in New Mexico, the optimal way to incentivize SPS to obtain more renewable generation earlier than currently will be required is to provide a financial basis for SPS to retire its banked RECs early. As reflected in Mr. Elsey's testimony, SPS's leadership in renewables means that it expects to generate enough RECs to continuously achieve RPS compliance for many years to come without needing to obtain additional renewable generation. Thus, at this time the best way to incentivize SPS to change its behavior and to obtain even more renewable generation earlier than currently will be required is to provide SPS with an incentive to retire more RECs than it is required to, as this will then accelerate the need for SPS to acquire additional renewable generation to offset those early-retired RECs. If the Commission determines that early retirement of RECs is not a valid basis for a financial incentive, it will be penalizing utilities such as SPS that have proactively acquired a robust renewable portfolio. Further, such a decision would be a signal to the utilities that no financial incentives will be available if a utility already generates renewable energy—and in turn generates RECs—in amounts that allow the utility to meet the applicable annual RPS standard. This application of Rule

572 to SPS's incentive proposal could serve to slow the acquisition of additional renewable generation in New Mexico.

Q. Why is the proposed incentive in the public interest?

A. The REA has established that it is in the public interest for utilities to exceed RPS requirements, as increased renewable energy promotes energy self-sufficiency and has environmental and economic benefits for New Mexicans.[29] As it stands, the Rule 572.22.D cost-benefit obligation effectively guarantees that utilities will never qualify for an incentive to exceed the REA's renewable portfolio standards. Granting the variance is in the public interest because, under the REA, SPS's proposal to meet RPS requirements early will promote energy self-sufficiency and has environmental and economic benefits.

[29] NMSA 1978 § 62-16-2.

IX. REQUESTED APPROVALS

Q. What approvals is SPS seeking in this case?

A. SPS requests the Commission enter a final order that:

(a) acknowledges SPS's concurrent filing of its 2021 RPS Report;

(b) approves SPS's 2023 RPS Plan and all components therein;

(c) approves SPS's proposed rate for its 2023 RPS Rider set forth in Advice Notice No. 305;

(d) approves SPS's proposed rate for its 2023 RPS Reconciliation Rider set forth in Advice Notice No. 305;

(e) determines SPS's 2023 RPS Plan complies with the annual filing requirements of Rule 572.14, the REA, and applicable prior Commission orders;

(f) approves SPS's 2023 Solar*Connect Community Rate Rider set forth in Advice Notice No. 306, consistent with the Final Order in Case No. 18-00308-UT;

(g) approves elimination of Rate No. 33 associated with the terminated Windsource Program as set forth in Advice Notice No. 306;

(h) approves SPS's proposed financial incentive and the accompanying proposed Renewable Performance Rider set forth in Advice No. 307 and grants SPS any needed variance from the cost-benefit requirement in Rule 572.22.D; and

(i) grants all other approvals, authorizations, and actions that may be required for SPS to implement its 2022 RPS Plan under the REA, Rule 572, and the New Mexico Public Utility Act.

Q. Does this conclude your pre-filed direct testimony?

A. Yes.

VERIFICATION

On this day, July 1, 2022, I, Mario A. Contreras, swear and affirm under penalty of perjury under the law of the State of New Mexico, that my testimony contained in Direct Testimony of Mario A. Contreras is true and correct.

/s/ Mario A. Contreras
MARIO A. CONTRERAS

Southwestern Public Service Company
RPS Rule Map
For the 2023 RPS Plan

PLAN (572.14)		Requirement	Rule Citation	Reference
	1	General: Must Include Plan Year (PY) & Next Plan Year (NPY) Data	14	Plan Contreras Direct Testimony (DT)
	2	General: Filed by July 1	14.A	General
	3	Testimony & Exhibits Supporting PY & NPY RPS & RCT Calc	14.B1	Contreras DT; Elsey DT Plan Section II(A)
	4	Cost of procurement in PY and NPY for all new renewable energy resources required to comply with RPS pursuant to Section 10 of rule	14.B2	Contreras DT Plan Section II(C) Plan Appendices B-C
	5	The amount of renewable energy the public utility plans to provide in the PY and NPY in compliance with RPS	14.B3	Contreras DT; Elsey DT Plan Section II(B) Plan Appendix A
	6	Testimony & Exhibits demonstrating how the cost and amount specified in Paragraphs (2) and (3) of subsection were determined	14.B4	Contreras DT Plan Section II(C) Plan Appendices B-C
	7	Testimony & Exhibits demonstrating the PY and NPY procurement amounts and costs expected to be recovered	14.B5	Contreras DT; Saenz DT Plan Section II(B), II(C) Plan Appendices B-C
	8	Capital, operating and fuel costs on a per-MW basis during the preceding calendar year of each nonrenewable generation resource rate-base by the utility, or dedicated to the utility through a power purchase agreement of one year or longer, and the nonrenewable generation resources' carbon dioxide emissions on a per-MW basis during that same year.	14.B6	Plan Appendix D
	9	Testimony & Exhibits demonstrating the PY and NPY procurement amounts and costs expected to be recovered if limited by the RCT	14.B7	Contreras DT Plan Section II(B), II(C),II(D)

Southwestern Public Service Company
RPS Rule Map
For the 2023 RPS Plan

PLAN (572.14)		Requirement	Rule Citation	Reference
	10	Testimony demonstrating that the cost of proposed procurement is reasonable compared with price of electricity from renewable resources in the bids received by the public utility to recent prices for comparable energy resources elsewhere in the southwestern United States	14.B8	Plan Section II(D)
	11	Testimony regarding strategies used to minimize costs of renewable energy integration, including location, diversity, balancing area activity, demand-side management, rate design and load management	14.B9	Plan Section II(H)
	12	Testimony & Exhibits demonstrating that the portfolio procurement plan is consistent with the integrated resource plan and explaining any material differences	14.B10	Elsey DT Plan Section II(E)
	13	Testimony demonstrating that acceptable system reliability will be maintained with the proposed new renewable resource additions	14.B11	Plan Section II(D)
	14	Information, including exhibits, as applicable, that demonstrates that the proposed procurement was the result of a competitive procurement that included opportunities for bidders to propose purchased power, facility self-	14.B12	Plan Section II(D)
	15	Demonstration that the plan is otherwise in the public interest, considering factors such as overall cost and economic development opportunities	14.B13	Contreras DT Plan Section II(F)
	16	Testimony demonstrating consistency with the last filed IRP and if not explain why it is inconsistent	14.B14	Elsey DT Plan Section II(E)
	17	Any other information the commission may deem necessary	14.B15	General

Southwestern Public Service Company
RPS Rule Map
For the 2023 RPS Plan

		Requirement	Rule Citation	Reference
PLAN (572.14)	18	In addition to electronically filing and serving in accordance with 1.2.2 NMAC, serve notice and send a copy of plan filing by first class mail on 1) Renewable resource providers requesting such notice from the commission 2) AG 3) Intervenors in most recent rate case 4) Post on website most recent and pending Renewable Energy Act plans	14.C	Application (https://www.xcelenergy.com/company/rates_and_regulations/filings/new_mexico_renewable_porfolio_standard)
REASONABLE COST THRESHOLD (572.12)	19	The reasonable cost threshold in any plan year is an annual average levelized cost of $60.00 per megawatt-hour at the point of interconnection of the renewable energy resource with the transmission system, adjusted for inflation starting in 2021 by the amount of the cumulative increase change in the consumer price index, urban, all items, published by the bureau of labor statistics between January 1 of the year prior to the procurement plan year and January 1 of the procurement plan year. Each public utility shall include in its annual Renewable Energy Act plan a reasonable cost threshold analysis by procurement, existing or proposed, for the plan year for which it seeks commission approval. This analysis should show how each procurement compares for that plan year with the inflation adjusted reasonable cost threshold.	12B	Plan Section II(A)

Southwestern Public Service Company
RPS Rule Map
For the 2023 RPS Plan

PLAN (572.14)		Requirement	Rule Citation	Reference
	20	If, in any given year, a public utility determines that the average annual levelized cost of renewable energy that would need to be procured or generated for purposes of compliance with the renewable portfolio standard would be greater than the reasonable cost threshold, the public utility shall not be required to incur that excess cost; provided that the existence of this condition excusing performance under the renewable portfolio standard in any given year shall not operate to delay compliance with the renewable portfolio standard in subsequent years. The provisions of this rule do preclude a public utility from accepting a project with a cost that would exceed the reasonable cost threshold. When a public utility can generate or procure renewable energy resources at or below the reasonable cost threshold, it shall be required to do so to the extent necessary to meet the applicable renewable portfolio standard. To the extent a procurement is greater than the reasonable cost threshold and results in excess costs, the public utility shall explain in detail why the public utility cannot procure renewable energy resources at a cost less than or equal to the reasonable cost threshold along with a demonstration of the public utility's efforts to obtain to procure renewable energy resources at or below the reasonable cost threshold.	12C	N/A

Southwestern Public Service Company
RPS Rule Map
For the 2023 RPS Plan

PLAN (572.14)		Requirement	Rule Citation	Reference
	21	A public utility that believes its procurement will exceed the reasonable cost threshold may file with the commission a request for waiver of the renewable portfolio standard for the applicable plan year. The waiver request shall: (1) explain in detail why the public utility cannot procure resources at a cost less than the reasonable cost threshold; (2) include an explanation and evidence of all efforts the public utility undertook to procure resources at a cost within the reasonable cost threshold; and (3) be deemed granted if not acted upon within 60 days of the date the waiver request was filed.	12D	N/A
INCENTIVE (572.22)	22	In accordance with Subsection D of Section 62-16-4 NMSA 1978 (2019), a public utility or any other person, may apply by a motion or application, requesting that the commission provide the public utility with a financial or other incentives to encourage public utilities to produce or acquire renewable energy that exceeds the applicable annual renewable portfolio standard set forth in Section 62-16-4 NMSA 1978 (2019); results in reductions in carbon dioxide emissions earlier than required by Subsection A of Section 62-16-4 NMSA 1978 (2019); or causes a reduction in the generation of electricity by coal-fired generating facilities, including coal-fired generating facilities located outside of New Mexico. Public utilities shall file any motion or application under this section concurrently with their annual Renewable Energy Act plan.	22A	Contreras DT
	23	A financial or other incentive proposed under this section must be related to measures implemented by the utility after the effective date of this rule to accomplish at least one of the following purposes: (1) exceeding the public utility's annual RPS requirements; (2) reducing carbon dioxide emissions earlier than required by Subsection A of Section 62-16-4 NMSA 1978; or (3) reducing the generation of electricity by coal-fired generating facilities, including coalfired generating facilities located outside of New Mexico that serve the utility's customers.	22B	Contreras DT

Southwestern Public Service Company
RPS Rule Map
For the 2023 RPS Plan

PLAN (572.14)		Requirement	Rule Citation	Reference
	24	The public utility or other person requesting a financial or other incentive has the burden to prove by a preponderance of evidence that the terms and duration of the proposed incentive meet the requirements of this rule and are just and reasonable in light of the utility 's costs, its authorized return, and the magnitude of any other incentives that have been authorized by the commission. Any application or motion requesting a financial or other incentive shall be supported by written testimony and exhibits.	22C	Contreras DT
	25	No incentive will be awarded under this section with respect to a particular investment if the cost of that investment exceeds the demonstrable value of the corresponding reduction in carbon dioxide or other emissions. A utility requesting a financial or other incentive under this rule must establish that the benefits of achieving the goals set out in Subsection B of this section above are not exceeded by the costs it incurred to achieve them. To establish this, the utility must provide detailed analysis for each applicable period, including but not limited to: (1) the utility's total carbon dioxide emissions; (2) the reduction in the utility's carbon dioxide emissions attributable to the measures described in Subsection B of this section; (3) the estimated value of the reduction in carbon dioxide emissions described in Paragraph (2) of this subsection based on an analysis of relevant carbon dioxide markets; (4) the cost of the measures implemented by the utility that resulted in the lower carbon dioxide emissions identified in Paragraph (2) of this subsection and the dates when each measure was implemented; and (5) any other costs necessary to implement each of the measures identified in Subsection B of this section.	22D	Contreras DT
	26	The total financial incentive authorized for recovery in rates pursuant to this section shall not exceed the product (expressed in dollars) of: (I) the utility 's annual weighted average cost of capital (expressed as a percent); and (2) the cost of the measures described in Subsection B of this section.	22E	Contreras DT

Southwestern Public Service Company
RPS REA Map
For the 2023 RPS Plan

Plan (§ 62-16-4 (G))		Requirement	Statute Citation	Reference
		By July 1, 2020, and each July 1 thereafter, a public utility shall file a report to the commission on the public utility's procurement and generation of renewable energy since the last report and a procurement plan that includes:		
	1	the cost of procurement for new renewable energy required to comply with the renewable portfolio standard	§ 62-16-4 (G) (1)	Contreras DT Plan Section II(C) Plan Appendicies B-C
	2	the capital, operating and fuel costs on a per-megawatt-hour basis during the preceding calendar year of each nonrenewable generation resource rate-based by the utility, or dedicated to the utility through a power purchase agreement of one year or longer, and the nonrenewable generation resources' carbon dioxide emissions on a per-megawatt-hour basis during that same year	§ 62-16-4 (G) (2)	Plan Section III Plan Appendix D
		information, including exhibits, as applicable, that demonstrates that the proposed procurement:	§ 62-16-4 (G) (3)	
	3	was the result of competitive procurement that included opportunities for bidders to propose purchased power, facility self-build or facility build-transfer options	§ 62-16-4 (G) (3)(a)	N/A
	4	has a cost that is reasonable as evidenced by a comparison of the price of electricity from renewable energy resources in the bids received by the public utility to recent prices for comparable energy resources elsewhere in the southwestern United States	§ 62-16-4 (G) (3)(b)	N/A
	5	is in the public interest, considering factors such as overall cost and economic development opportunities	§ 62-16-4 (G) (3)(c)	N/A
	6	strategies used to minimize costs of renewable energy integration, including location, diversity, balancing area activity, demand-side management and load management	§ 62-16-4 (G) (4)	Plan Section III

Southwestern Public Service Company
RPS REA Map
For the 2023 RPS Plan

REC Reporting
(§ 62-16-5)

	Requirement	Statute Citation	Reference
	Renewable energy certificates: …….The public utility shall annually file a report with the commission discussing:	§ 62-16-5 (B) (2)	Please refer to SPS's 2021 RPS Report
7	its use, sale, trading or transfer of renewable energy certificates	§ 62-16-5 (B) (2)(a)	Please refer to SPS's 2021 RPS Report
8	whether and how its public claims of renewable energy generation account for renewable energy certificates that it has traded, sold or transferred	§ 62-16-5 (B) (2)(b)	Please refer to SPS's 2021 RPS Report
9	Renewable energy certificates: that are used for the purpose of meeting the renewable portfolio standard shall be registered with a renewable energy generation information system that is designed to create and track ownership of renewable energy certificates and that, through the use of independently audited generation data, verifies the generation and delivery of electricity associated with each renewable energy certificate and protects against multiple counting of the same renewable energy certificate	§ 62-16-5 (B) (3)	Please refer to SPS's 2021 RPS Report
10	may be carried forward for up to four years from the date of issuance to establish compliance with the renewable portfolio standard, after which they shall be deemed retired by the public utility	§ 62-16-5 (B) (4)	Please refer to SPS's 2021 RPS Report
11	A public utility shall be responsible for demonstrating that a renewable energy certificate used for compliance with the renewable portfolio standard is derived from eligible renewable energy resources	§ 62-16-5 (C)	Please refer to SPS's 2021 RPS Report

SOUTHWESTERN PUBLIC SERVICE COMPANY

ANNUAL RENEWABLE ENERGY PORTFOLIO REPORT FOR 2021

Prepared in Compliance with 17.9.572.19 NMAC

and NMSA 1978, § 62-16-5

July 1, 2022

TABLE OF CONTENTS

GLOSSARY OF ACRONYMS AND DEFINED TERMS

Acronym/Defined Term	Meaning
AC	alternating current
Caprock	Caprock Wind Ranch
Commission	New Mexico Public Regulation Commission
DG	distributed generation
ETA	Energy Transition Act
FPPCAC	Fuel and Purchased Power Cost Adjustment Clause
kW	kilowatt
MW	megawatt
MWh	megawatt-hour
Mesalands	Mesalands Community College Wind Qualifying Facility
Other	Renewable Technologies Other than Wind and Solar
QF	Qualifying Facility
RCT	reasonable cost threshold
REA	Renewable Energy Act (NMSA 1978, §§ 62-16-1 to 62-16-10)
REC	renewable energy certificate
RPS	renewable portfolio standard

Acronym/Defined Term	Meaning
RPS Report	Annual Renewable Energy Portfolio Report for 2021
Rule 572	17.9.572 NMAC - Renewable Energy Rule for Electric Utilities
San Juan	San Juan Mesa Wind Project
SoCore	SoCore Clovis 1 LLC
SPS	Southwestern Public Service Company, a New Mexico corporation
SunE PPAs	Sun Edison Solar Purchased Power Agreements
total company	Total SPS (before jurisdictional allocation)
WREGIS	Western Renewable Energy Generation Information System

LIST OF APPENDICES

I. Introduction

Southwestern Public Service Company, a New Mexico corporation, ("SPS") a wholly-owned electric utility subsidiary of Xcel Energy Inc., files its Annual Renewable Energy Portfolio Report for 2021 ("RPS Report") in compliance with Section 62-16-4F of the Renewable Energy Act (NMSA 1978, §§ 62-16-1 to 62-16-10 – "REA") and the New Mexico Public Regulation Commission's ("Commission") Renewable Energy Rule (17.9.572 NMAC – "Rule 572"). Rule 572.19 requires SPS to file a report on its renewable energy generation or purchases for the prior calendar year with the Commission each year, concurrent with the filing of an annual renewable energy plan. Specifically, Rule 572.19 requires that each public utility:

1. itemize all renewable energy generation or renewable energy certificate ("REC") purchases and sales (Subsection A);

2. list, and include copies of, all RECs, including acquired, issued, or retired certificates (Subsection B);

3. provide documentation from the Western Renewable Energy Generation Information System ("WREGIS") regarding the RECs acquired, sold, retired, transferred, or expired, which allows the Commission to determine, by fuel type, the number of RECs: (i) acquired; (ii) sold; (iii) retired; (iv) transferred; and (v) expired in each calendar year (Subsection C)[1];

4. describe the retirements made to meet the renewable portfolio standard ("RPS") compliance based on actual retail sales and procurement costs, including the reductions, if any, to the RPS for 1) purchases by retail customers through an approved voluntary program; or 2) due to the reasonable cost threshold; 3) explain

[1] Renewable energy certificates representing electricity delivered to New Mexico and registered with a tracking system other than WREGIS may be used to meet renewable portfolio standards so long as WREGIS lacks the capability to import certificates from that other tracking system. (Rule 572.17(F) NMAC).

and demonstrate how the reduction was determined; and 4) quantity of renewable energy certificates banked for future compliance use.(Subsection D);

5. describe and quantify the implementation of the voluntary renewable tariff requirements in Rule 572.18 (Subsection E);

6. present a full explanation of approved recovery mechanisms for approved RPS plan costs, including a complete accounting of all collected and deferred amounts (Subsection F).

7. describe and tabulate the compliance with RPS and describe how the compliance relates to the first year a new renewable portfolio standard becomes effective as established in Subsection A of Section 62-16-4 NMSA 1978 (2019) and Subsection A of 17.9.572.10 NMAC and describe how the compliance relates the first year of the next new RPS. The report shall include the following to demonstrate compliance with the RPS: 1) report year total utility RPS requirement in MWH; 2) report year total utility RPS compliance in MWH; 3) report year total utility RPS provided by eligible renewable energy resources I MWH listed by resource and totaled; 4) percentage of report year total utility RPS MWH provided by eligible renewable energy resources; and 5) report year kWh generation by facility from coal-fired generating facilities allocated to NM retail customers (Subsection G).

As demonstrated in this Report, SPS obtained and retired sufficient RECs to meet its overall annual RPS obligations.

Additionally, Section 62-16-5 (B)(2) of the REA states, "[t]he public utility shall annually file a report with the commission discussing: (a) its use, sale, trading or transfer of renewable energy certificates; and (b) whether and how its public claims of renewable energy generation account for renewable energy certificates that it has traded, sold or transferred. . ."

Section 62-16-5 (B)(3) of the REA states that renewable energy certificates "that are used for the purpose of meeting the renewable portfolio standard shall be registered with a renewable energy generation information system that is designed to create and track ownership of renewable energy certificates and that, through

the use of independently audited generation data, verifies the generation and delivery of electricity associated with each renewable energy certificate and protects against multiple counting of the same renewable energy certificate."

Section 62-16-5 (B)(4) of the REA states that renewable energy certificates "may be carried forward for up to four years from the date of issuance to establish compliance with the renewable portfolio standard, after which they shall be deemed retired by the public utility."

Section 62-16-5 (C) of the REA states that "[a] public utility shall be responsible for demonstrating that a renewable energy certificate used for compliance with the renewable portfolio standard is derived from eligible renewable energy resources."

Additionally, the Final Order in Case No. 15-00208-UT[2] requires SPS to provide, in its annual RPS reports, information showing the monthly excess distributed generation ("DG") generation, the average estimated price paid, the actual price (based on the Southwest Power Pool's Integrated Marketplace) and a reconciliation of the cost on a quarterly basis. This information is provided in Appendix F, as discussed in Section V below. Also, the Final Order in Case No. 18-00201-UT[3] requires SPS to update the

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[2] Case No. 15-00208-UT, *In the Matter of Southwestern Public Service Company's Application Requesting: (1) Acceptance of its 2014 Annual Renewable Portfolio Report; (2) Approval of its Annual Renewable Energy Portfolio Procurement Plan for 2016; and (3) Other Associated Relief,* Final Order (Dec. 16, 2015).

[3] Case No. 18-00201-UT, *In the Matter of Southwestern Public Service Company's Application Requesting: (1) Acknowledgement of its Filing of the 2017 Annual Renewable Energy Portfolio Report; (2) Approval of its Annual Renewable Energy Portfolio Procurement Plan for Plan Year 2020; (3) Approval of the Proposed Rate for its 2020 Renewable Portfolio Standard Rider; (4) Approval of its Proposed Treatment of Renewable Energy Certificates Associated with the Sagamore and Hale Wind Facilities; and (5) Other Associated Relief,* Final Order (Dec. 12, 2018).

information in Section VI(B)(4) of the Recommended Decision about its DG REC purchase programs. This information is provided in Section VI below.

Finally, Appendix H to the RPS Report provides a guide to address where the specific requirements of Rule 572 are addressed in the report. Appendix H demonstrates compliance with all applicable sections of Rule 572.

II. Renewable Energy Generation and Renewable Energy Certificate Purchases, Sales, Retirements, Transfers, and Expirations

A. RPS Compliance (Rule 572.19(A) and (D))

For the compliance year, SPS was required to have sufficient RECs equal to no less than 20 percent of its 2021 New Mexico retail jurisdictional energy sales. *See* Section 62-16-4(A)(2) of the REA; *see also* Rule 572.10(B)(2). SPS's compliance year New Mexico retail sales were 7,804,233 megawatt-hours ("MWh"), for a RPS requirement of 1,560,480 MWh after the reduction for voluntary program sales (Appendix A, page 1, Lines 1 and 5). SPS retired RECs that were either: (1) banked (*i.e.,* have not been expired, transferred to wholesale customers, sold, or retired for compliance with the RPS); and/or (2) generated in the compliance year to meet its overall RPS requirement.

Appendix A to the RPS Report provides the following information, by resource type: (1) RPS requirements; (2) banked RECs; (3) REC purchases; (4) REC sales; (5) REC transfers; and (6) REC expirations. Pages 2 through 6 contain an itemization of all sales and a WREGIS generation summary of all the sources from which SPS purchased

or generated RECs in the compliance year as well as an itemization of ERCOT RECs generated by the Hale wind facility[4].

SPS purchased the renewable energy and RECs from the following New Mexico renewable energy facilities:

- Caprock Wind Ranch ("Caprock") – 80 megawatts ("MW") installed capacity;
- San Juan Mesa Wind Project ("San Juan") – 120 MW installed capacity;
- Mesalands Community College Wind Qualifying Facility ("QF") ("Mesalands") – 1.5 MW installed capacity;
- Sun Edison Solar purchased power agreements ("SunE PPAs") – 50 MW installed capacity; and
- customer-sited solar DG systems from SPS's Solar*Rewards program – 3.5897[5] MW AC.

SPS received RECs from the following owned renewable energy facilities:

- SPS owned and operated solar arrays at SPS's Hobbs Service Center, Eastern New Mexico University-Roswell, Clovis High School, and PR Leyva Middle School in Carlsbad – 0.079 MW alternating current ("AC"); and
- SPS owned and operated the Hale and Sagamore wind facilities.
- SPS did not purchase any RECs for RPS compliance separate from its renewable energy purchases.

[4] SPS received approval to retire RECs from the Hale and Sagamore wind facilities for New Mexico RPS compliance in Case No. 18-00201-UT.

[5] As of December 31, 2021. Several REC contracts expired during the year.

The following table summarizes all renewable energy generation and purchases, as well as all REC purchases, sales, transfers, and retirements made by SPS during the compliance year.

Table 2: Itemized Renewable Energy Generation and REC Transactions

Transaction Type	MWh
Beginning REC Balance	1,839,869
Plus:	
Hale Generated RECs	713,285
Sagamore Generated RECs	710,854
Caprock Purchases (net of Transfers to Wholesale Customers[6])	257,278
San Juan Purchases (net of Transfers to Wholesale Customers)	240,717
Mesalands Purchases	651
SunEdison Solar Purchases	106,814
Company Owned Solar	142
DG - Solar Rewards	7,882
REC-only Purchases	0
Total Additions	2,037,623
Less:	
REC Sales	0
Expiring RECs	0
RPS Compliance Requirement	1,560,480
Total Subtractions	1,560,480

[6] *See* Offer of Settlement, Golden Spread Electric Cooperative, Inc., et al. v. Southwestern Public Service Company, Docket No. EL05-19-000, et al., and Southwestern Public Service Company, Docket No. ER05-168-000, et al. (consolidated) and Southwestern Public Service Company, Docket No. ER06-274-000, et al. (not consolidated), 123 FERC 61,054, and Federal Energy Regulatory Commission Docket No. ER08-479, et al settlement agreement.

SPS follows standard voluntary reporting practices through The Climate Registry (TCR). SPS produces reports showing an adjusted residual mix. In regards to wholesale transfers, both the energy and RECs are transferred in equal proportions; accordingly, there would be no impact on SPS's retail customers or its reporting.

Transaction Type	MWh
Plus REC Adjustment from Prior Years	0
Annual Excess/(Deficiency)	477,143
Net REC Balance	2,317,012

B. REC Registration[7] (Rule 572.19(B) and (C)) and Rule 572.17(B)

In compliance with the REA and Rule 572.17(E), SPS registers all generators located in New Mexico in the WREGIS system. Monthly volumes of the RECs acquired, retired, or transferred are included as Appendix B. The documentation includes the WREGIS-assigned serial numbers for retired RECs.

In compliance with the REA and Rule 572.17(F), and as authorized in Case No. 19-00134-UT[8], SPS registers the Hale facility in the ERCOT system. Monthly volumes of the RECs acquired, retired, or transferred are also included on Appendix B. The documentation includes the information required for non-WREGIS registered RECs per Rule 572.17(B).

III. Voluntary Renewable Energy Tariff (Rule 572.19(E))

Beginning in 2021, SPS offered a voluntary renewable energy tariff, Solar*Connect (Solar*Connect Community Rate Rider – No. 76), to its New Mexico retail customers. SPS received approval for the new Solar*Connect voluntary program to

[7] SPS registers its RECs with WREGIS and ERCOT, demonstrating compliance with the REA, consistent with the requirements of Section 62-16-5(C).

[8] Case No. 19-00134-UT, *In the Matter of Southwestern Public Service Company's Application Requesting: (1) Acknowledgement of its Filing of the 2018 Annual Renewable Energy Portfolio Report; (2) Approval of its Annual Renewable Energy Portfolio Procurement Plan for Plan Year 2020; (3) Approval of the Proposed Rate for its 2020 Renewable Portfolio Standard Rider; and (4) Other Associated Relief,* Final Order (April 22, 2020).

replace Windsource in Case No. 18-00308-UT[9]. *See* Rule 572.18. SPS purchased energy for its Solar*Connect program from a 1.98 MW alternating current solar powered generating facility via a purchased power agreement with SoCore Clovis 1 LLC ("SoCore").

Per the Final Order in Case No. 18-00308-UT, SPS shall annually file a revised Solar*Connect Community Rate Rider and Solar*Connect Credit based on updated avoided cost calculations in SPS's July 1 Annual Renewable Energy Procurement Report beginning in 2020. The update shall include: 1) the updated Solar*Connect Credit for the upcoming calendar year; 2) the amount of subsidization by non-participants for the previous year; 3) the actual number of participants and the subscription levels for the previous year; 4) an analysis showing the level of cross-subsidization for the previous Solar*Connect program year; 5) a summary of Solar*Connect program performance in terms of actual participant numbers and subscription levels; 6) testimony, attachments, and all data supporting the Solar*Connect premium for the upcoming calendar year; and 7) and Advice Notice for the updated Solar*Connect Community Rate Rider, which will reflect the Solar*Connect premium for the upcoming calendar year. Items 1), 6), and 7)

[9] Case No. 18-00308-UT, *In the Matter of Southwestern Public Service Company's Application for: (1) Authorization to Establish the Voluntary Solar*Connect Community Program (Solar*Connect) and Enter into a Purchased Power Agreement for the Purchase of 1.98 MW of Nominal Solar Capacity and Associated Energy for Solar*Connect; (2) Approval of the Proposed Methodology for Calculating and Annually Adjusting the Solar*Connect Rate; and (3) Authorization to Flow Through All Solar*Connect Costs and Revenues Through the Solar*Connect Rider and its Fuel and Purchased Power Cost Adjustment Clause,* Final Order (Sept. 11, 2020).

are provided in the Direct Testimony and Attachments filed with SPS's 2023 RPS Plan. Items 2), 3), 4), and 5) are reported below.

In 2021, 440 residential and 23 non-residential customers participated in the Solar*Connect program with subscribed capacity of 1.544 MW and 0.351 MW, respectively as of December 31, 2021. The total subscriptions equal approximately 96% of the 1.98 MW facility. Solar*Connect subscribers purchased 1,831 MWh of solar energy, while the SoCore facility generated 2,570 MWh. Both the costs and revenues associated with the Solar*Connect program are accounted for through SPS's fuel and purchased power cost adjustment clause ("FPPCAC"), as authorized by the Commission in Case No. 18-00308-UT . The amount of subsidization by non-participants in 2021 was $10,659. An analysis showing the level of cross-subsidization for 2021 is provided as Appendix G.

IV. Cost Recovery (Rule 572.19(F))

In accordance with Rule 572.19(F), the following discussion summarizes the approved cost recovery mechanisms for SPS's approved renewable energy costs to meet its annual RPS requirements and details the annual costs incurred for each category. Please also refer to Appendix C, which provides an overview of SPS's RPS cost recovery methods and prior Commission approvals; Appendix D, which provides the costs incurred in the compliance year and the associated recovery mechanism; and Appendix E, which provides the reconciliation of the 2021 RPS Rider and the 2021 RPS Reconciliation Rider

A. DG REC and Administrative Costs

SPS incurred $1,290,128 in DG-related costs (Appendix D, Line 17 in the compliance year. SPS is currently collecting these costs through the RPS Rider approved in Case No. 12-00350-UT.[10]

B. WREGIS Administrative Costs

SPS incurred $10,440 in WREGIS administrative costs in the compliance year (Appendix D, Line 20). SPS is currently collecting these costs through the RPS Rider.

[10] Case No. 12-00350-UT, *In the Matter of Southwestern Public Service Company's Application for Revision of its Retail Rates Under Advice Notice No. 245*, Final Order Partially Adopting Recommended Decision (Mar. 26, 2014).

C. Wind Energy and REC Costs

SPS recovered the costs associated with its two New Mexico wind contracts (Caprock and San Juan) through a combination of the FPPCAC (proportional allocation of energy charges) and the RPS Rider (REC costs). SPS also incurred energy costs from the Mesalands facility, a QF, whose energy costs are also allocated among SPS's jurisdictions and collected through the FPPCAC. On a total company basis, $22,809,919 was collected through its fuel clauses for energy costs related to these facilities (Appendix D, Line 2). Of this amount, New Mexico retail customers were assigned $7,898,368. REC costs, recovered through the RPS Rider, were $672,296 (Appendix D, Line 3).

D. Solar REC Costs

The annual solar REC costs under the SunE PPAs were $58,748, which were recovered through the RPS Rider (Appendix D, Line 13).

E. Solar Energy and Uneconomic Costs

The avoided costs related to SPS's solar procurements under the SunE PPAs, that is, those costs that represent the conventional fuel and energy costs SPS will avoid due to such purchases (also referred to as "economic costs"), are passed through the FPPCAC and allocated among SPS's three jurisdictions based on relative energy share. The uneconomic costs, or those costs above the avoided costs related to SPS's solar procurements, are directly assigned to New Mexico retail customers and recovered through the RPS Rider. For 2021, the economic costs were $7,719,671 (total company)

or $2,604,116 (New Mexico retail) (Appendix D, Line 11). The uneconomic costs were $8,989,331 (New Mexico retail) (Appendix D, Line 12).

V. DG Payment Reconciliation

In accordance with the Final Order in Case No. 15-00208-UT, SPS is providing Appendix F, which summarizes the monthly excess DG generation, the average estimated price paid, the actual price (based on the Southwest Power Pool's Integrated Marketplace), and a reconciliation of the cost on a quarterly basis for 2021.

VI. Additional DG Information

In accordance with the Final Order in Case No. 18-00201-UT, SPS is updating the information in Section VI(B)(4) of the Recommended Decision about its DG REC purchase programs by providing the information below.

SPS pays incentives under several DG REC purchase tariffs that were originally proposed in Case No. 08-00222-UT to implement five tailored programs:

1. Rate No. 52 (Small Solar Distributed Generation Program)
2. Rate No. 53 (Medium Solar Distributed Generation Program)
3. Rate No. 54 (Large Solar Distributed Generation Program)
4. Rate No. 57 (Small SDG-REC Purchase Program)
5. Rate No. 58 (Medium SDG-REC Purchase Program).
6. Rate No. 62 (3rd Party Small Solar Distributed Generation Program)
7. Rate No. 63 (3rd Party Medium Solar Distributed Generation Program)
8. Rate No. 64 (3rd Party Large Solar Distributed Generation Program)
9. Rate No. 65 (3rd Party Small Biomass Distributed Generation Program)
10. Rate No. 66 (3rd Party Medium Biomass Distributed Generation Program)

Incentive rates and terms have changed over time under revised versions of tariffs. The following summarizes the current tariffs.

Rate No. 52, which applies to small solar systems, offers three incentive payments based on the combined nameplate rating of applications received by SPS for small systems. Under tier 1, customers receive a 13¢ per kWh incentive payment for 12 years until applications received reach a combined nameplate rating of 100 kW. Under tier 2, customers receive a 10¢ per kWh incentive payment for 12 years until applications received reach a combined nameplate rating of 200 kW. Under tier 3, customers receive an 8¢ per kWh incentive payment for 12 years until applications received reach a combined nameplate rating of 300 kW. All three tiers are fully subscribed; SPS pays no incentive to customers who have installed small solar systems after the tiers became fully subscribed.

Rate No. 53, which applies to medium solar systems, offers two incentive payments based on the combined nameplate rating of applications received by SPS for medium systems. Under tier 4, customers receive a 5¢ per kWh incentive payment for 10 years until applications received reach a combined nameplate rating of 500 kW. Under tier 5, customers receive a 4¢ per kWh incentive payment for 10 years until applications reach a combined nameplate capacity of 1,000 kW. Both tiers are fully subscribed; SPS pays no incentive to customers who have installed medium solar systems after the tiers became fully subscribed.

Rate No. 54 applies to large solar systems greater than 100 kW up to 2 MW.

Rate No. 62, which applies to small solar systems owned by a party other than a Customer ("3rd Party"), offers three incentive payments to the 3rd Party based on the combined nameplate rating of applications received by SPS for small 3rd Party systems. Under tier 1, customers receive a 13¢ per kWh incentive payment for 12 years, until applications received reach a combined nameplate rating of 100 kW. Under tier 2, customers receive a 10¢ per kWh incentive payment for 12 years until applications reach a combined nameplate capacity of 200 kW. Under tier 3, customers receive an 8¢ per

kWh incentive payment for 12 years until applications received reach a combined nameplate rating of 300 kW.

Rate No. 63, which applies to medium solar systems owned by a party other than a Customer ("3rd Party"), offers three incentive payments to the 3rd Party based on the combined nameplate rating of applications received by SPS for small 3rd Party systems. Under tier 1, customers receive a 13¢ per kWh incentive payment for 10 years, until applications received reach a combined nameplate rating of 500 kW. Under tier 2, customers receive a 10¢ per kWh incentive payment for 10 years until applications reach a combined nameplate capacity of 1,000 kW. Under tier 3, customers receive an 8¢ per kWh incentive payment for 10 years until applications received reach a combined nameplate rating of 1,500 kW.

Rate No. 64 applies to large solar systems greater than 100 kW up to 2 MW.

Rate Nos. 65 and 66 apply to 3rd Party Small and Medium Biomass Distributed Generation Programs. There are no customers under these programs.

The following table shows the number of customers participating in SPS's solar REC purchase programs:

Table 4

Program	**Customer Count**
Small Solar	52
Medium Solar	43
Large Solar	1
Total	**96**

SPS expects to purchase 3,244 and 1,179 RECs under its DG REC purchase programs in 2023 and 2024, respectively. The following table shows the amounts that SPS expects to pay for RECs in 2023 and 2024.

Table 5

Program	2023	2024	REC Payment
Small Solar:			
Small Solar	$10,616	$10,563	$ 0.08
Small Solar	9,068	7,868	$ 0.10
Small Solar	7,439	1,719	$ 0.13
Small Solar	36,516	31,465	$ 0.20
Medium Solar:			
Medium Solar	9,910	9,316	$ 0.05
Medium Solar	1,267	0	$ 0.08
Medium Solar	3,348	0	$ 0.10
Medium Solar	6,111	0	$ 0.13
Medium Solar	318,161	0	$ 0.17
Medium Solar	0	0	$ 0.20
Large Solar			
Large Solar	61,429	61,122	$ 0.10
Total	**$463,865**	**$122,054**	

VII. Coal-Fired Generating Facilities (Rule 572.19(G)(5))

In accordance with Rule 572.19(G)(5), the 2021 kWh generation by facility from coal-fired generating facilities allocated to New Mexico Retail Customers is:

	Harrington Station	Tolk Station
Net Generation, exclusive of plant use (kWh)[11]	4,831,505,000	2,482,314,000
Annual Average System Allocator	34.507%	34.507%
Calculated Allocation to New Mexico Retail (kWh)	1,667,207,430	856,572,092

[11] 2021 FERC Form 1, pages 402-403.

Southwestern Public Service Company
Appendix A: Summary of Renewable Energy Generation and REC Transactions (in MWh)
For Calendar Year 2021

Line No.	Description	Total
1	2021 NM Retail Sales	7,804,233
2	Less Voluntary Program Sales (Windsource)	1,831
3	Net 2020 NM Retail Sales	7,802,402
4	Overall RPS Requirement (%)	20%
5	RPS Obligation (L3 * L4)	1,560,480
6	Beginning REC Balance	1,839,869
7	**Generation (NM REC Allocation):**	
8	**Wind**	
9	Hale	713,285
10	Sagamore	710,854
11	Caprock Generation	257,278
12	San Juan Generation	240,717
13	Mesalands Generation	651
14	**Solar**	
15	SunEdison Solar Generation	106,814
16	**Distributed Generation**	
17	Company Owned Solar Generation	142
18	SolarRewards	7,882
19	Total Annual Generation (Sum L9 : L18)	2,037,623
20	Less REC Sales (all vintages) (Page 3)	-
21	Less Expiring RECs	-
22	Less Annual RPS Obligation (L5)	1,560,480
23	REC Adjustments from Prior Years	-
24	Annual Excess/(Deficiency) (L19 - L20 - L21- L22 + L23)	477,143
25	Cumulative Excess/(Deficiency) (L6 + L24)	2,317,012

Southwestern Public Service Company
Appendix A: REC Sales Itemization
For Calendar Year 2021 Transactions

Line No.	Transaction	MWh	Generator	Vintage

Note: SPS had no REC sales in 2021.

Southwestern Public Service Company
Appendix A: WREGIS Generation Summary (MWh)
For Calendar Year 2021

Line No.	Fuel Source	WREGIS GU ID	Generator Plant-Unit Name	State	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
1	Wind	W1026	Mesalands Community College - Mesalands	NM	39.91	187.50	398.35	308.57	112.17	208.40
2	Wind	W801	Caprock Wind Farm - Caprock Wind Farm	NM	21,726.91	16,810.66	23,026.49	18,314.41	22,567.90	17,044.81
3	Wind	W802	Caprock Wind Farm - Caprock Wind Farm2	NM						
4	Wind	W803	San Juan Mesa - San Juan Mesa	NM	33,552.69	25,101.21	31,852.90	23,375.96	30,400.50	21,044.62
5	Wind	W10907	Sagamore Wind*	NM	128,936.00	139,110.75	204,412.83	195,016.54	213,735.46	161,532.53
6	CO Solar	W1337	Hobbs Service Center - Hobbs Solar	NM	2.13	3.18	3.85	3.53	3.43	3.84
7	CO Solar	W1653	ENMU - Roswell - PV Demonstration	NM	3.27	3.68	4.91	4.44	4.12	4.64
8	CO Solar	W1820	Clovis High School - PV System	NM	1.71	2.24	2.93	3.03	4.04	1.99
9	CO Solar	W1913	PR Leyva Middle School - PV	NM	1.80	0.00	2.40	2.53	2.65	2.72
10	PPA Solar	W2293	SunE SPS1 - SPS1 Dollarhide	NM	1,329.13	1,349.79	2,078.53	1,875.99	2,300.12	2,196.65
11	PPA Solar	W2294	SunE SPS2 - SPS2 Jal	NM	1,374.03	1,411.31	2,105.04	1,910.44	2,328.26	2,235.63
12	PPA Solar	W2295	SunE SPS3 - SPS3 Lea	NM	1,240.41	1,358.97	2,094.74	1,916.12	2,361.34	2,242.55
13	PPA Solar	W2296	SunE SPS4 - SPS4 Monument	NM	1,318.01	1,416.12	2,200.16	1,961.66	2,354.74	2,335.56
14	PPA Solar	W2297	SunE SPS5, LLC - SPS5 Hopi	NM	1,248.81	1,386.75	2,045.27	1,872.96	2,226.61	2,057.02
15	DG Solar	W2032	SRNM RFP - Haley Farms	NM	47.84	52.80	56.32	55.04	57.12	55.20
16	DG Solar	W1527	SRNM2009-J-01 - SRNM2009-J-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
17	DG Solar	W1563	SRNM2010-I-01 - SRNM2010-I-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
18	DG Solar	W2019	SRNM2010-I-02 - SRNM2010-I-02	NM	0.00	0.00	0.00	0.00	0.00	0.00
19	DG Solar	W2020	SRNM2010-I-03 - SRNM2010-I-03	NM	0.00	0.00	0.00	0.00	0.00	0.00
20	DG Solar	W2021	SRNM2010-I-04 - SRNM2010-I-04	NM	0.00	0.00	0.00	0.00	0.00	0.00
21	DG Solar	W2022	SRNM2010-I-05 - SRNM2010-I-05	NM	0.00	0.00	0.00	0.00	0.00	0.00
22	DG Solar	W2023	SRNM2010-I-06 - SRNM2010-I-06	NM	0.00	0.00	0.00	0.00	0.00	0.00
23	DG Solar	W2024	SRNM2010-I-07 - SRNM2010-I-07	NM	0.00	0.00	0.00	0.00	0.00	0.00
24	DG Solar	W2025	SRNM2010-I-08 - SRNM2010-I-08	NM	0.00	0.00	0.00	0.00	0.00	0.00
25	DG Solar	W2026	SRNM2010-I-09 - SRNM2010-I-09	NM	0.00	0.00	0.00	0.00	0.00	0.00
26	DG Solar	W1564	SRNM2010-J-01 - SRNM2010-J-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
27	DG Solar	W2027	SRNM2011-I-01 - SRNM2011-I-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
28	DG Solar	W2537	SRNM2011-I-02 - SRNM2011-I-02	NM	0.00	0.00	0.00	0.00	0.00	0.00
29	DG Solar	W2028	SRNM2011-J-01 - SRNM2011-J-01	NM	0.00	0.00	0.00	0.00	0.00	0.00

Southwestern Public Service Company
Appendix A: WREGIS Generation Summary (MWh)
For Calendar Year 2021

Line No.	Fuel Source	WREGIS GU ID	Generator Plant-Unit Name	State	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021 Total
1	Wind	W1026	Mesalands Community College - Mesalands	NM	151.52	258.88	123.76	39.94	4.63	76.20	1,909.83
2	Wind	W801	Caprock Wind Farm - Caprock Wind Farm	NM	17,650.88	25,198.31	30,995.49	25,485.23	26,563.48	35,685.62	281,070.19
3	Wind	W802	Caprock Wind Farm - Caprock Wind Farm2	NM							-
4	Wind	W803	San Juan Mesa - San Juan Mesa	NM	14,937.65	18,358.29	16,874.89	12,722.32	15,258.03	20,225.90	263,704.96
5	Wind	W10907	Sagamore Wind*	NM	105,091.70	131,022.43	183,433.58	169,593.40	187,935.94	230,020.50	2,049,841.65
6	CO Solar	W1337	Hobbs Service Center - Hobbs Solar	NM	3.17	3.17	3.97	3.64	3.07	2.77	39.75
7	CO Solar	W1653	ENMU - Roswell - PV Demonstration	NM	3.83	3.72	3.84	4.36	3.70	3.25	47.76
8	CO Solar	W1820	Clovis High School - PV System	NM	3.02	2.99	2.71	2.62	2.21	1.55	31.04
9	CO Solar	W1913	PR Leyva Middle School - PV	NM	2.41	2.62	2.28	2.27	2.12	0.00	23.80
10	PPA Solar	W2293	SunE SPS1 - SPS1 Dollarhide	NM	2,123.69	1,992.28	1,960.38	1,860.91	1,317.16	1,088.99	21,473.61
11	PPA Solar	W2294	SunE SPS2 - SPS2 Jal	NM	2,201.60	2,017.42	2,008.19	1,888.42	1,355.93	1,100.79	21,937.05
12	PPA Solar	W2295	SunE SPS3 - SPS3 Lea	NM	2,091.76	1,995.09	1,785.96	1,720.04	1,193.50	1,011.61	21,012.10
13	PPA Solar	W2296	SunE SPS4 - SPS4 Monument	NM	2,191.27	2,004.70	1,977.62	1,857.69	1,339.58	1,149.32	22,106.42
14	PPA Solar	W2297	SunE SPS5, LLC - SPS5 Hopi	NM	1,913.36	1,894.73	1,752.56	1,702.06	1,158.47	1,025.99	20,284.59
15	DG Solar	W2032	SRNM RFP - Haley Farms	NM	53.76	49.44	52.48	48.64	47.20	44.64	620.48
16	DG Solar	W1527	SRNM2009-J-01 - SRNM2009-J-01	NM	0.00	0.00	0.00	0.00	0.00	5.59	5.59
17	DG Solar	W1563	SRNM2010-I-01 - SRNM2010-I-01	NM	0.00	0.00	0.00	0.00	0.00	83.85	83.85
18	DG Solar	W2019	SRNM2010-I-02 - SRNM2010-I-02	NM	0.00	0.00	0.00	0.00	0.00	125.06	125.06
19	DG Solar	W2020	SRNM2010-I-03 - SRNM2010-I-03	NM	0.00	0.00	0.00	0.00	0.00	295.75	295.75
20	DG Solar	W2021	SRNM2010-I-04 - SRNM2010-I-04	NM	0.00	0.00	0.00	0.00	0.00	164.39	164.39
21	DG Solar	W2022	SRNM2010-I-05 - SRNM2010-I-05	NM	0.00	0.00	0.00	0.00	0.00	188.30	188.30
22	DG Solar	W2023	SRNM2010-I-06 - SRNM2010-I-06	NM	0.00	0.00	0.00	0.00	0.00	162.64	162.64
23	DG Solar	W2024	SRNM2010-I-07 - SRNM2010-I-07	NM	0.00	0.00	0.00	0.00	0.00	151.70	151.70
24	DG Solar	W2025	SRNM2010-I-08 - SRNM2010-I-08	NM	0.00	0.00	0.00	0.00	0.00	153.70	153.70
25	DG Solar	W2026	SRNM2010-I-09 - SRNM2010-I-09	NM	0.00	0.00	0.00	0.00	0.00	10.87	10.87
26	DG Solar	W1564	SRNM2010-J-01 - SRNM2010-J-01	NM	0.00	0.00	0.00	0.00	0.00	88.15	88.15
27	DG Solar	W2027	SRNM2011-I-01 - SRNM2011-I-01	NM	0.00	0.00	0.00	0.00	0.00	169.70	169.70
28	DG Solar	W2537	SRNM2011-I-02 - SRNM2011-I-02	NM	0.00	0.00	0.00	0.00	0.00	277.55	277.55
29	DG Solar	W2028	SRNM2011-J-01 - SRNM2011-J-01	NM	0.00	0.00	0.00	0.00	0.00	142.27	142.27

Southwestern Public Service Company
Appendix A: WREGIS Generation Summary (MWh)
For Calendar Year 2021

Line No.	Fuel Source	WREGIS GU ID	Generator Plant-Unit Name	State	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
30	DG Solar	W2946	SRNM2012-I-01 - SRNM2012-I-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
31	DG Solar	W2731	SRNM2012-J-01 - SRNM2012-J-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
32	DG Solar	W3465	SRNM2013-I-01 - SRNM2013-I-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
33	DG Solar	W3605	SRNM2013-I-02 - SRNM2013-I-02	NM	0.00	0.00	0.00	0.00	0.00	0.00
34	DG Solar	W3606	SRNM2013-I-03 - SRNM2013-I-03	NM	0.00	0.00	0.00	0.00	0.00	0.00
35	DG Solar	W3607	SRNM2013-I-04 - SRNM2013-I-04	NM	0.00	0.00	0.00	0.00	0.00	0.00
36	DG Solar	W3608	SRNM2013-I-05 - SRNM2013-I-05	NM	0.00	0.00	0.00	0.00	0.00	0.00
37	DG Solar	W3609	SRNM2013-I-06 - SRNM2013-I-06	NM	0.00	0.00	0.00	0.00	0.00	0.00
38	DG Solar	W3610	SRNM2013-I-07 - SRNM2013-I-07	NM	0.00	0.00	0.00	0.00	0.00	0.00
39	DG Solar	W3611	SRNM2013-I-08 - SRNM2013-I-08	NM	0.00	0.00	0.00	0.00	0.00	0.00
40	DG Solar	W3612	SRNM2013-I-09 - SRNM2013-I-09	NM	0.00	0.00	0.00	0.00	0.00	0.00
41	DG Solar	W3613	SRNM2013-I-10 - SRNM2013-I-10	NM	0.00	0.00	0.00	0.00	0.00	0.00
42	DG Solar	W3614	SRNM2013-I-11 - SRNM2013-I-11	NM	0.00	0.00	0.00	0.00	0.00	0.00
43	DG Solar	W3615	SRNM2013-I-12 - SRNM2013-I-12	NM	0.00	0.00	0.00	0.00	0.00	0.00
44	DG Solar	W3616	SRNM2013-I-13 - SRNM2013-I-13	NM	0.00	0.00	0.00	0.00	0.00	0.00
45	DG Solar	W3617	SRNM2013-I-14 - SRNM2013-I-14	NM						
46	DG Solar	W3618	SRNM2013-I-15 - SRNM2013-I-15	NM	0.00	0.00	0.00	0.00	0.00	0.00
47	DG Solar	W3619	SRNM2013-I-16 - SRNM2013-I-16	NM	0.00	0.00	0.00	0.00	0.00	0.00
48	DG Solar	W4389	SRNM2014-I-01 - SRNM2014-I-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
49	DG Solar	W4079	SRNM2014-J-01 - SRNM2014-J-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
			Total		190,822.65	188,194.96	270,284.72	246,621.21	278,458.46	210,966.15
50	Solar*Connect	W11259	SoCore Clovis - SoCore Clovis		0.00	0.00	0.00	41.78	478.94	473.68

	Fuel Source	ERCOT ID	Generator Plant-Unit Name	State	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
51	Wind	1411	Hale Wind*	TX	173,599.90	144,331.50	229,971.45	196,551.73	210,520.28	149,938.54

* Total Company before allocation to NM Jurisdiction.

Southwestern Public Service Company
Appendix A: WREGIS Generation Summary (MWh)
For Calendar Year 2021

Line No.	Fuel Source	WREGIS GU ID	Generator Plant-Unit Name	State	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021 Total
30	DG Solar	W2946	SRNM2012-I-01 - SRNM2012-I-01	NM	0.00	0.00	0.00	0.00	0.00	260.73	260.73
31	DG Solar	W2731	SRNM2012-J-01 - SRNM2012-J-01	NM	0.00	0.00	0.00	0.00	0.00	139.35	139.35
32	DG Solar	W3465	SRNM2013-I-01 - SRNM2013-I-01	NM	0.00	0.00	0.00	0.00	0.00	374.61	374.61
33	DG Solar	W3605	SRNM2013-I-02 - SRNM2013-I-02	NM	0.00	0.00	0.00	0.00	0.00	351.56	351.56
34	DG Solar	W3606	SRNM2013-I-03 - SRNM2013-I-03	NM	0.00	0.00	0.00	0.00	0.00	337.02	337.02
35	DG Solar	W3607	SRNM2013-I-04 - SRNM2013-I-04	NM	0.00	0.00	0.00	0.00	0.00	348.49	348.49
36	DG Solar	W3608	SRNM2013-I-05 - SRNM2013-I-05	NM	0.00	0.00	0.00	0.00	0.00	351.80	351.80
37	DG Solar	W3609	SRNM2013-I-06 - SRNM2013-I-06	NM	0.00	0.00	0.00	0.00	0.00	350.99	350.99
38	DG Solar	W3610	SRNM2013-I-07 - SRNM2013-I-07	NM	0.00	0.00	0.00	0.00	0.00	352.40	352.40
39	DG Solar	W3611	SRNM2013-I-08 - SRNM2013-I-08	NM	0.00	0.00	0.00	0.00	0.00	328.79	328.79
40	DG Solar	W3612	SRNM2013-I-09 - SRNM2013-I-09	NM	0.00	0.00	0.00	0.00	0.00	324.06	324.06
41	DG Solar	W3613	SRNM2013-I-10 - SRNM2013-I-10	NM	0.00	0.00	0.00	0.00	0.00	351.62	351.62
42	DG Solar	W3614	SRNM2013-I-11 - SRNM2013-I-11	NM	0.00	0.00	0.00	0.00	0.00	323.62	323.62
43	DG Solar	W3615	SRNM2013-I-12 - SRNM2013-I-12	NM	0.00	0.00	0.00	0.00	0.00	334.90	334.90
44	DG Solar	W3616	SRNM2013-I-13 - SRNM2013-I-13	NM	0.00	0.00	0.00	0.00	0.00	170.29	170.29
45	DG Solar	W3617	SRNM2013-I-14 - SRNM2013-I-14	NM							-
46	DG Solar	W3618	SRNM2013-I-15 - SRNM2013-I-15	NM	0.00	0.00	0.00	0.00	0.00	94.44	94.44
47	DG Solar	W3619	SRNM2013-I-16 - SRNM2013-I-16	NM	0.00	0.00	0.00	0.00	0.00	66.93	66.93
48	DG Solar	W4389	SRNM2014-I-01 - SRNM2014-I-01	NM	0.00	0.00	0.00	0.00	0.00	200.19	200.19
49	DG Solar	W4079	SRNM2014-J-01 - SRNM2014-J-01	NM	0.00	0.00	0.00	0.00	0.00	179.92	179.92
			Total		148,419.62	184,804.06	240,977.71	216,931.54	236,185.01	298,698.35	2,711,364.44
50	Solar*Connect	W11259	SoCore Clovis - SoCore Clovis		98.38	280.74	253.12	351.42	319.85	278.47	2,576.40

	Fuel Source	ERCOT ID	Generator Plant-Unit Name	State	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Total
51	Wind	1411	Hale Wind*	TX	91,562.31	135,165.88	151,031.68	186,093.35	177,519.27	212,641.31	2,058,927.21

* Total Company before allocation to NM Jurisdiction.

Southwestern Public Service Company
WREGIS REC Issuance
Calendar Year 2021

WREGIS ID	Generator Name	Fuel Type	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Annual MWH
W801	Caprock Wind Farm - Caprock Wind Farm	Wind	16,295	12,608	17,269	13,737	16,926	12,785	13,238	18,899	23,246	19,114	19,923	26,764	210,804
W802	Caprock Wind Farm - Caprock Wind Farm2	Wind	5,431	4,203	5,756	4,580	5,643	4,262	4,412	6,300	7,749	6,371	6,641	8,921	70,269
W1026	Mesalands Community College - Mesalands	Wind	39	187	398	309	112	210	151	259	124	40	4	77	1,910
W10907	Sagamore Wind Farm	Wind	128,935	139,690	204,412	195,016	213,735	160,956	105,092	131,022	183,433	169,593	187,937	230,020	2,049,841
W803	San Juan Mesa - San Juan Mesa	Wind	33,552	34,695	45,652	23,375	26,993	0	12,589	18,359	16,875	12,722	15,258	20,226	260,296
W1820	Clovis High School - PV System	Solar	2	2	3	3	4	1	3	2	3	2	4	2	31
W1653	ENMU - Roswell - PV Demonstration	Solar	3	3	5	4	4	4	3	3	5	4	6	3	47
W1337	Hobbs Service Center - Hobbs Solar	Solar	2	3	4	3	3	3	3	3	5	3	4	3	39
W1913	PR Leyva Middle School - PV	Solar	2	0	2	2	2	2	2	2	4	2	4	0	24
W11259	SoCore Clovis - SoCore Clovis	Solar	0	0	0	41	478	475	98	281	253	352	319	279	2,576
W2032	SRNM RFP - Haley Farms	Solar	49	53	58	55	57	55	54	49	53	48	47	45	623
W1527	SRNM2009-J-01 - SRNM2009-J-01	Solar	0	1	0	0	0	0	0	0	0	0	0	5	6
W1563	SRNM2010-I-01 - SRNM2010-I-01	Solar	0	0	0	0	0	0	0	0	0	0	0	84	84
W2019	SRNM2010-I-02 - SRNM2010-I-02	Solar	0	0	0	1	0	0	0	0	0	0	0	125	126
W2020	SRNM2010-I-03 - SRNM2010-I-03	Solar	0	0	0	0	0	0	0	0	0	0	0	296	296
W2021	SRNM2010-I-04 - SRNM2010-I-04	Solar	0	0	0	0	0	0	0	0	0	0	0	164	164
W2022	SRNM2010-I-05 - SRNM2010-I-05	Solar	0	0	0	0	0	0	0	0	0	0	0	189	189
W2023	SRNM2010-I-06 - SRNM2010-I-06	Solar	0	0	0	1	0	0	0	0	0	0	0	162	163
W2024	SRNM2010-I-07 - SRNM2010-I-07	Solar	0	0	0	1	0	0	0	0	0	0	0	151	152
W2025	SRNM2010-I-08 - SRNM2010-I-08	Solar	0	0	0	0	0	0	0	0	0	0	0	140	140
W2026	SRNM2010-I-09 - SRNM2010-I-09	Solar	0	0	0	0	0	0	0	0	0	0	0	11	11
W1564	SRNM2010-J-01 - SRNM2010-J-01	Solar	0	0	0	0	0	0	0	0	0	0	0	86	86
W2027	SRNM2011-I-01 - SRNM2011-I-01	Solar	0	0	0	1	0	0	0	0	0	0	0	170	171
W2537	SRNM2011-I-02 - SRNM2011-I-02	Solar	0	0	0	0	0	0	0	0	0	0	0	277	277
W2028	SRNM2011-J-01 - SRNM2011-J-01	Solar	0	0	0	0	0	0	0	0	0	0	0	139	139
W2946	SRNM2012-I-01 - SRNM2012-I-01	Solar	0	0	0	1	0	0	0	0	0	0	0	261	262
W2731	SRNM2012-J-01 - SRNM2012-J-01	Solar	0	1	0	0	0	0	0	0	0	0	0	140	141
W3465	SRNM2013-I-01 - SRNM2013-I-01	Solar	0	0	0	1	0	0	0	0	0	0	0	374	375
W3605	SRNM2013-I-02 - SRNM2013-I-02	Solar	0	0	0	0	0	0	0	0	0	0	0	352	352
W3606	SRNM2013-I-03 - SRNM2013-I-03	Solar	0	0	0	1	0	0	0	0	0	0	0	337	338
W3607	SRNM2013-I-04 - SRNM2013-I-04	Solar	0	0	0	0	0	0	0	0	0	0	0	349	349
W3608	SRNM2013-I-05 - SRNM2013-I-05	Solar	0	0	0	0	0	0	0	0	0	0	0	352	352
W3609	SRNM2013-I-06 - SRNM2013-I-06	Solar	0	0	0	0	0	0	0	0	0	0	0	351	351
W3610	SRNM2013-I-07 - SRNM2013-I-07	Solar	0	0	0	1	0	0	0	0	0	0	0	352	353
W3611	SRNM2013-I-08 - SRNM2013-I-08	Solar	0	0	0	0	0	0	0	0	0	0	0	329	329
W3612	SRNM2013-I-09 - SRNM2013-I-09	Solar	0	0	0	1	0	0	0	0	0	0	0	324	325
W3613	SRNM2013-I-10 - SRNM2013-I-10	Solar	0	0	0	0	0	0	0	0	0	0	0	351	351
W3614	SRNM2013-I-11 - SRNM2013-I-11	Solar	0	0	0	1	0	0	0	0	0	0	0	324	325
W3615	SRNM2013-I-12 - SRNM2013-I-12	Solar	0	0	0	1	0	0	0	0	0	0	0	334	335
W3616	SRNM2013-I-13 - SRNM2013-I-13	Solar	0	1	0	0	0	0	0	0	0	0	0	170	171
W3617	SRNM2013-I-14 - SRNM2013-I-14	Solar	0	1	0	0	0	0	0	0	0	0	0	0	1
W3618	SRNM2013-I-15 - SRNM2013-I-15	Solar	0	1	0	0	0	0	0	0	0	0	0	94	95
W3619	SRNM2013-I-16 - SRNM2013-I-16	Solar	0	1	0	0	0	0	0	0	0	0	0	67	68
W4389	SRNM2014-I-01 - SRNM2014-I-01	Solar	0	0	0	0	0	0	0	0	0	0	0	200	200
W4079	SRNM2014-J-01 - SRNM2014-J-01	Solar	0	0	0	0	0	0	0	0	0	0	0	168	168
W2293	SunE SPS1 - SPS1 Dollarhide	Solar	1,329	1,349	2,078	1,877	2,300	2,197	2,124	1,992	1,961	1,861	1,317	1,089	21,474
W2294	SunE SPS2 - SPS2 Jal	Solar	1,374	1,411	2,105	1,910	2,328	2,236	2,202	2,017	2,009	1,888	1,356	1,101	21,937
W2295	SunE SPS3 - SPS3 Lea	Solar	1,241	1,359	2,094	1,917	2,361	2,243	2,091	1,995	1,786	1,720	1,194	1,012	21,013
W2296	SunE SPS4 - SPS4 Monument	Solar	1,318	1,416	2,200	1,961	2,354	2,337	2,191	2,005	1,977	1,858	1,340	1,149	22,106
W2297	SunE SPS5, LLC - SPS5 Hopi	Solar	1,249	1,387	2,045	1,872	2,227	2,058	1,913	1,895	1,753	1,702	1,158	1,026	20,285
		SUM	190,821	198,372	284,081	246,673	275,527	189,824	146,166	185,083	241,236	217,280	236,512	298,945	2,710,520

Southwestern Public Service Company
WREGIS REC Retirements
Calendar Year 2021

SubAccount	State/ Province	Compliance Period	Reason	Additional Details	Retirement Types	WREGIS GU ID	Generator Plant-Unit Name	County	State	Fuel Type	Vintage Month	Vintage Year	Certificate Serial Numbers	Quantity
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	1	2019	801-NM-325294-10903 to 22378	11,476
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	1	2019	801-NM-325294-1 to 5494	5,494
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	2	2019	801-NM-332598-7443 to 26708	19,266
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	2	2019	801-NM-332598-6491 to 6621	131
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	2	2019	801-NM-332598-6622 to 7442	821
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	3	2019	801-NM-333096-9135 to 17507	8,373
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	3	2019	801-NM-333096-8661 to 9134	474
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	3	2019	801-NM-333096-1 to 4375	4,375
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	4	2019	801-NM-336898-1 to 4525	4,525
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	4	2019	801-NM-336898-8942 to 18076	9,135
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	5	2019	801-NM-340911-541 to 4339	3,799
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	5	2019	801-NM-340911-8138 to 18454	10,317
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	6	2019	801-NM-345077-1630 to 2632	1,003
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	6	2019	801-NM-345077-4059 to 18014	13,956
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	7	2019	801-NM-349313-467 to 3027	2,561
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	7	2019	801-NM-349313-8589 to 18473	9,885
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	7	2019	801-NM-349313-5589 to 8588	3,000
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	8	2019	801-NM-353720-1551 to 14045	12,495
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	9	2019	801-NM-358195-3266 to 14172	10,907
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	9	2019	801-NM-358195-14173 to 26523	12,351
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	10	2019	801-NM-362940-2079 to 19037	16,959
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	11	2019	801-NM-373208-1666 to 19755	18,090
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	12	2019	801-NM-373477-1624 to 21628	20,005
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	1	2020	801-NM-378864-2534 to 2709	176
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	1	2020	801-NM-378864-2032 to 2209	178
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	1	2020	801-NM-378864-19185 to 20221	1,037
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	2	2020	801-NM-382885-2372 to 2547	176
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	2	2020	801-NM-382885-2548 to 17785	15,238
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	2	2020	801-NM-382885-2032 to 2047	16
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	3	2020	801-NM-387828-2975 to 3150	176
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	3	2020	801-NM-387828-3151 to 22458	19,308
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	3	2020	801-NM-387828-2032 to 2650	619
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	4	2020	801-NM-409676-2496 to 2671	176
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	4	2020	801-NM-409676-2672 to 19110	16,439
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	4	2020	801-NM-409676-2032 to 2171	140
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	5	2020	801-NM-409677-1906 to 12622	10,717
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	5	2020	801-NM-409677-1894 to 1905	12
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	6	2020	801-NM-409678-2866 to 20176	17,311
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	6	2020	801-NM-409678-2851 to 2865	15
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	6	2020	801-NM-409678-1637 to 2365	729
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	7	2020	801-NM-414695-1914 to 13919	12,006
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	7	2020	801-NM-414695-1796 to 1913	118
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	8	2020	801-NM-415232-1257 to 1642	386
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	8	2020	801-NM-415232-1643 to 10728	9,086
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	9	2020	801-NM-435030-1458 to 1843	386
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	9	2020	801-NM-435030-1844 to 13946	12,103
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	10	2020	801-NM-435031-5512 to 6011	500
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	10	2020	801-NM-435031-3463 to 5511	2,049
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	10	2020	801-NM-435031-6012 to 18432	12,421
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	10	2020	801-NM-435031-937 to 1762	826
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	11	2020	801-NM-457017-2 to 20993	20,992
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	11	2020	801-NM-435032-1 to 1	1
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	12	2020	801-NM-476362-16992 to 16998	7
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	12	2020	801-NM-457018-1990 to 16991	15,002
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	1	2019	802-NM-325267-87 to 7460	7,374
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	2	2019	802-NM-332602-132 to 8903	8,772
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	3	2019	802-NM-333069-90 to 5835	5,746
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	4	2019	802-NM-336871-110 to 6026	5,917
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	5	2019	802-NM-340885-1 to 6151	6,151
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	6	2019	802-NM-345050-326 to 6005	5,680
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	7	2019	802-NM-349284-1 to 6157	6,157
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	8	2019	802-NM-353693-4657 to 4659	3

Southwestern Public Service Company
WREGIS REC Retirements
Calendar Year 2021

SubAccount	State/ Province	Compliance Period	Reason	Additional Details	Retirement Types	WREGIS GU ID	Generator Plant-Unit Name	County	State	Fuel Type	Vintage Month	Vintage Year	Certificate Serial Numbers	Quantity
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	8	2019	802-NM-353693-4660 to 4682	23
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	8	2019	802-NM-353693-1246 to 4656	3,411
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	9	2019	802-NM-358169-566 to 8841	8,276
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	10	2019	802-NM-362912-404 to 6346	5,943
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	11	2019	802-NM-373206-1489 to 6585	5,097
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	12	2019	802-NM-373451-1472 to 7209	5,738
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	1	2020	802-NM-378835-1 to 500	500
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	1	2020	802-NM-378835-501 to 6740	6,240
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	2	2020	802-NM-382853-1 to 500	500
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	2	2020	802-NM-382853-501 to 5929	5,429
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	3	2020	802-NM-387798-1 to 500	500
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	3	2020	802-NM-387798-501 to 7485	6,985
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	4	2020	802-NM-409663-1 to 500	500
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	4	2020	802-NM-409663-501 to 6370	5,870
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	5	2020	802-NM-409664-325 to 500	176
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	5	2020	802-NM-409664-501 to 4207	3,707
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	6	2020	802-NM-409665-325 to 500	176
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	6	2020	802-NM-409665-501 to 6726	6,226
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	7	2020	802-NM-414699-325 to 500	176
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	7	2020	802-NM-414699-501 to 4640	4,140
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	8	2020	802-NM-415198-325 to 500	176
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	8	2020	802-NM-415198-501 to 3576	3,076
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	9	2020	802-NM-434994-325 to 500	176
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	9	2020	802-NM-434994-501 to 4648	4,148
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	10	2020	802-NM-434995-327 to 500	174
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	10	2020	802-NM-434995-501 to 6144	5,644
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	11	2020	802-NM-434996-1 to 1	1
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	11	2020	802-NM-456989-2 to 6998	6,997
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	12	2020	802-NM-476332-5664 to 5665	2
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	12	2020	802-NM-456990-1 to 5663	5,663
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	1	2019	1026-NM-328109-47 to 247	201
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	2	2019	1026-NM-332798-213 to 425	213
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	2	2019	1026-NM-332798-35 to 167	133
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	3	2019	1026-NM-335709-46 to 239	194
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	4	2019	1026-NM-339510-45 to 236	192
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	5	2019	1026-NM-343556-53 to 290	238
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	6	2019	1026-NM-347691-34 to 232	199
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	7	2019	1026-NM-351938-32 to 248	217
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	8	2019	1026-NM-356217-28 to 179	152
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	9	2019	1026-NM-360713-41 to 366	326
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	10	2019	1026-NM-365140-22 to 214	193
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	12	2019	1026-NM-376290-16 to 139	124
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	1	2020	1026-NM-380901-84 to 121	38
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W10907	Sagamore Wind Farm - Sagamore Wind	Roosevelt	NM	Wind	12	2020	10907-NM-456230-67101 to 68321	1,221
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W10907	Sagamore Wind Farm - Sagamore Wind	Roosevelt	NM	Wind	12	2020	10907-NM-456230-70395 to 102596	32,202
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	1	2019	803-NM-325268-6289 to 7025	737
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	1	2019	803-NM-325268-339 to 853	515
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	2	2019	803-NM-332603-6898 to 7914	1,017
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	3	2019	803-NM-333070-5554 to 6655	1,102
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	4	2019	803-NM-336872-6343 to 6462	120
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	4	2019	803-NM-336872-6749 to 34423	27,675
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	5	2019	803-NM-340886-6723 to 10818	4,096
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	6	2019	803-NM-345051-2672 to 3592	921
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	6	2019	803-NM-345051-8213 to 32834	24,622
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	6	2019	803-NM-345051-7186 to 8212	1,027
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	7	2019	803-NM-349285-3594 to 20067	16,474
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	7	2019	803-NM-349285-20068 to 29225	9,158
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	8	2019	803-NM-353694-20335 to 26056	5,722
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	8	2019	803-NM-353694-3890 to 20334	16,445
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	9	2019	803-NM-358170-3642 to 33609	29,968
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	10	2019	803-NM-362913-2336 to 23888	21,553
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	11	2019	803-NM-373207-4786 to 39973	35,188

Southwestern Public Service Company
WREGIS REC Retirements
Calendar Year 2021

SubAccount	State/ Province	Compliance Period	Reason	Additional Details	Retirement Types	WREGIS GU ID	Generator Plant-Unit Name	County	State	Fuel Type	Vintage Month	Vintage Year	Certificate Serial Numbers	Quantity
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	12	2019	803-NM-373452-3508 to 32683	29,176
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	1	2020	803-NM-378836-3349 to 34871	31,523
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	1	2020	803-NM-378836-2843 to 2858	16
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	1	2020	803-NM-378836-3307 to 3348	42
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	2	2020	803-NM-382854-3476 to 34569	31,094
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	2	2020	803-NM-382854-2843 to 2985	143
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	2	2020	803-NM-382854-3434 to 3475	42
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	3	2020	803-NM-387799-3891 to 38417	34,527
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	3	2020	803-NM-387799-2843 to 3400	558
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	3	2020	803-NM-387799-3849 to 3890	42
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	4	2020	803-NM-403986-3321 to 7199	3,879
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	4	2020	803-NM-403986-3279 to 3320	42
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	5	2020	803-NM-403987-1 to 1	1
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	5	2020	803-NM-409666-3244 to 3285	42
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W1913	PR Leyva Middle School - PV	Eddy	NM	Solar	12	2020	1913-NM-463004-1 to 2	2
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W2019	SRNM2010-I-02 - SRNM2010-I-02	Chaves	NM	Solar	12	2020	2019-NM-471455-1 to 755	755
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W2020	SRNM2010-I-03 - SRNM2010-I-03	Chaves	NM	Solar	12	2020	2020-NM-469093-1 to 732	732
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W2021	SRNM2010-I-04 - SRNM2010-I-04	Chaves	NM	Solar	12	2020	2021-NM-471669-1 to 725	725
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W2023	SRNM2010-I-06 - SRNM2010-I-06	Chaves	NM	Solar	12	2020	2023-NM-471891-1 to 688	688
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W2024	SRNM2010-I-07 - SRNM2010-I-07	Chaves	NM	Solar	12	2020	2024-NM-469094-1 to 705	705
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W2025	SRNM2010-I-08 - SRNM2010-I-08	Chaves	NM	Solar	12	2020	2025-NM-471893-1 to 696	696
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W2027	SRNM2011-I-01 - SRNM2011-I-01	Eddy	NM	Solar	12	2020	2027-NM-469072-1 to 361	361
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W2537	SRNM2011-I-02 - SRNM2011-I-02	Chaves	NM	Solar	12	2020	2537-NM-470996-1 to 384	384
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W2028	SRNM2011-J-01 - SRNM2011-J-01	Curry/Eddy	NM	Solar	12	2020	2028-NM-465690-1 to 194	194
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W2946	SRNM2012-I-01 - SRNM2012-I-01	Lea	NM	Solar	12	2020	2946-NM-471897-1 to 286	286
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W2731	SRNM2012-J-01 - SRNM2012-J-01	Chaves	NM	Solar	1	2020	2731-NM-382216-1 to 1	1
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W3465	SRNM2013-I-01 - SRNM2013-I-01	Chavez	NM	Solar	12	2020	3465-NM-471901-1 to 389	389
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W3605	SRNM2013-I-02 - SRNM2013-I-02	Chavez	NM	Solar	12	2020	3605-NM-473336-1 to 355	355
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W3606	SRNM2013-I-03 - SRNM2013-I-03	Chavez	NM	Solar	12	2020	3606-NM-472687-1 to 358	358
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W3607	SRNM2013-I-04 - SRNM2013-I-04	Chavez	NM	Solar	12	2020	3607-NM-469530-1 to 353	353
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W3608	SRNM2013-I-05 - SRNM2013-I-05	Chavez	NM	Solar	12	2020	3608-NM-475356-1 to 366	366
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W3609	SRNM2013-I-06 - SRNM2013-I-06	Chavez	NM	Solar	12	2020	3609-NM-471573-1 to 365	365
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W3610	SRNM2013-I-07 - SRNM2013-I-07	Chavez	NM	Solar	12	2020	3610-NM-469531-1 to 356	356
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W3611	SRNM2013-I-08 - SRNM2013-I-08	Chavez	NM	Solar	12	2020	3611-NM-471237-1 to 352	352
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W3612	SRNM2013-I-09 - SRNM2013-I-09	Chavez	NM	Solar	12	2020	3612-NM-471874-1 to 359	359
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W3613	SRNM2013-I-10 - SRNM2013-I-10	Chavez	NM	Solar	12	2020	3613-NM-471459-1 to 364	364
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W3614	SRNM2013-I-11 - SRNM2013-I-11	Chavez	NM	Solar	12	2020	3614-NM-471191-1 to 361	361
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W3615	SRNM2013-I-12 - SRNM2013-I-12	Chavez	NM	Solar	12	2020	3615-NM-475357-1 to 358	358
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W4389	SRNM2014-I-01 - SRNM2014-I-01	EDDY	NM	Solar	12	2020	4389-NM-475039-1 to 202	202
NM RPS 2021	NM	2021	In-State/Province Resource		RPS	W2293	SunE SPS1 - SPS1 Dollarhide	Lea	NM	Solar	12	2020	2293-NM-463064-2 to 1266	1,265
														883,856

Southwestern Public Service Company
WREGIS REC Transfers
Calendar Year 2021

Year	Month	WREGIS GU ID	Generator Plant-Unit Name	Fuel Type	Login Name	Quantity	Certificate Serial Numbers	Date of Transfer	Transferor	Transferee	Action	SubAccount Name	Transaction ID
2021	1	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	438	801-NM-468859-3361 to 3798	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375296
2021	2	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	316	801-NM-468860-3362 to 3677	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375294
2021	3	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	551	801-NM-468861-3362 to 3912	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375295
2021	4	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	435	801-NM-483323-3 to 437	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375298
2021	5	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	521	801-NM-476363-1 to 521	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375297
2021	6	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	382	801-NM-483324-1 to 382	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375299
2021	7	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	313	801-NM-492923-1 to 313	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375300
2021	8	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	536	801-NM-500811-1 to 536	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375301
2021	9	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	714	801-NM-516125-1 to 714	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375302
2021	10	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	649	801-NM-523905-1 to 649	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375303
2021	11	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	644	801-NM-532369-1 to 644	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375304
2021	12	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	862	801-NM-541700-1 to 862	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375305
2021	3	W1026	Mesalands Community College - Mesalands	WND	SPSNM1	45	1026-NM-485029-1 to 45	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375426
2021	1	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	2597	10907-NM-476080-1 to 2597	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375366
2021	2	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	2617	10907-NM-476081-1 to 2617	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375367
2021	3	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	4888	10907-NM-492658-1 to 4888	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375369
2021	4	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	4630	10907-NM-492659-1 to 4630	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375370
2021	5	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	4931	10907-NM-483059-1 to 4931	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375368
2021	6	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	3625	10907-NM-492660-1 to 3625	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375371
2021	7	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1865	10907-NM-500029-1 to 1865	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375372
2021	8	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	2786	10907-NM-508167-1 to 2786	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375373
2021	9	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	4223	10907-NM-515596-1 to 4223	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375374
2021	10	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	4317	10907-NM-523377-1 to 4317	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375375
2021	11	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	4557	10907-NM-534233-1 to 4557	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375376
2021	12	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	5554	10907-NM-543046-1 to 5554	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375377
2021	1	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	676	803-NM-468830-4660 to 5335	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375234
2021	2	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	472	803-NM-468831-4660 to 5131	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375235
2021	3	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	762	803-NM-468832-4659 to 5420	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375236
2021	3	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	472	803-NM-468832-5421 to 5892	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375245
2021	4	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	555	803-NM-483295-1 to 555	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375238

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2021	5	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	701	803-NM-476334-1 to 701	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375237
2021	7	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	265	803-NM-492898-1 to 265	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375239
2021	8	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	390	803-NM-506544-1 to 390	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375240
2021	9	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	389	803-NM-514053-1 to 389	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375241
2021	10	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	324	803-NM-521923-1 to 324	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375242
2021	11	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	370	803-NM-529915-1 to 370	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375243
2021	12	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	488	803-NM-539627-1 to 488	06/19/2022	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Transfer		1375244
2021	1	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	635	801-NM-468859-4647 to 5281	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375356
2021	2	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	758	801-NM-468860-4344 to 5101	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375354
2021	3	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	355	801-NM-468861-4990 to 5344	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375355
2021	4	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	410	801-NM-483323-1323 to 1732	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375358
2021	5	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	460	801-NM-476363-1384 to 1843	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375357
2021	6	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	472	801-NM-483324-1132 to 1603	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375359
2021	7	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	534	801-NM-492923-1097 to 1630	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375360
2021	8	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	665	801-NM-500811-1701 to 2365	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375361
2021	9	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	503	801-NM-516125-2217 to 2719	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375362
2021	10	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	381	801-NM-523905-1616 to 1996	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375363
2021	11	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	201	801-NM-532369-1720 to 1920	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375364
2021	12	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	81	801-NM-541700-2262 to 2342	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375365
2021	2	W1026	Mesalands Community College - Mesalands	WND	SPSNM1	45	1026-NM-470632-41 to 85	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375430
2021	1	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	3767	10907-NM-476080-2598 to 6364	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375378
2021	2	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	6269	10907-NM-476081-2618 to 8886	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375379
2021	3	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	3155	10907-NM-492658-4889 to 8043	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375381
2021	4	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	4362	10907-NM-492659-4631 to 8992	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375382
2021	5	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	4360	10907-NM-483059-4932 to 9291	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375380
2021	6	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	4475	10907-NM-492660-3626 to 8100	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375383
2021	7	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	3180	10907-NM-500029-1866 to 5045	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375384
2021	8	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	3459	10907-NM-508167-2787 to 6245	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375385
2021	9	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	2976	10907-NM-515596-4224 to 7199	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375386
2021	10	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	2539	10907-NM-523377-4318 to 6856	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375387

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2021	11	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1421	10907-NM-534233-4558 to 5978	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375388
2021	12	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	522	10907-NM-543046-5555 to 6076	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375389
2021	1	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	980	803-NM-468830-6646 to 7625	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375281
2021	2	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	1131	803-NM-468831-6128 to 7258	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375282
2021	3	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	492	803-NM-468832-8221 to 8712	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375291
2021	3	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	583	803-NM-468832-8713 to 9295	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375292
2021	4	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	523	803-NM-483295-1686 to 2208	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375284
2021	5	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	620	803-NM-476334-1863 to 2482	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375283
2021	7	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	452	803-NM-492898-930 to 1381	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375285
2021	8	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	485	803-NM-506544-1239 to 1723	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375286
2021	9	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	274	803-NM-514053-1207 to 1480	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375287
2021	10	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	190	803-NM-521923-807 to 996	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375288
2021	11	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	115	803-NM-529915-989 to 1103	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375289
2021	12	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	46	803-NM-539627-1282 to 1327	06/19/2022	Southwestern Public Service Company	Lubbock Power and Light	Transfer		1375290
2021	1	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	200	801-NM-468859-3799 to 3998	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375308
2021	1	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	560	801-NM-468859-3999 to 4558	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375320
2021	1	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	88	801-NM-468859-4559 to 4646	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375332
2021	2	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	158	801-NM-468860-3678 to 3835	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375306
2021	2	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	422	801-NM-468860-3836 to 4257	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375318
2021	2	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	86	801-NM-468860-4258 to 4343	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375330
2021	3	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	239	801-NM-468861-3913 to 4151	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375307
2021	3	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	702	801-NM-468861-4152 to 4853	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375319
2021	3	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	136	801-NM-468861-4854 to 4989	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375331
2021	4	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	201	801-NM-483323-438 to 638	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375310
2021	4	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	574	801-NM-483323-639 to 1212	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375322
2021	4	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	110	801-NM-483323-1213 to 1322	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375334
2021	5	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	192	801-NM-476363-522 to 713	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375309
2021	5	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	570	801-NM-476363-714 to 1283	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375321
2021	5	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	100	801-NM-476363-1284 to 1383	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375333
2021	6	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	167	801-NM-483324-383 to 549	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375311

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2021	6	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	512	801-NM-483324-550 to 1061	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375323
2021	6	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	70	801-NM-483324-1062 to 1131	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375335
2021	7	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	177	801-NM-492923-314 to 490	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375312
2021	7	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	542	801-NM-492923-491 to 1032	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375324
2021	7	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	64	801-NM-492923-1033 to 1096	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375336
2021	8	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	269	801-NM-500811-537 to 805	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375313
2021	8	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	788	801-NM-500811-806 to 1593	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375325
2021	8	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	107	801-NM-500811-1594 to 1700	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375337
2021	9	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	326	801-NM-516125-715 to 1040	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375314
2021	9	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	1056	801-NM-516125-1041 to 2096	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375326
2021	9	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	120	801-NM-516125-2097 to 2216	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375338
2021	10	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	217	801-NM-523905-650 to 866	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375315
2021	10	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	637	801-NM-523905-867 to 1503	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375327
2021	10	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	112	801-NM-523905-1504 to 1615	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375339
2021	11	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	200	801-NM-532369-645 to 844	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375316
2021	11	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	783	801-NM-532369-845 to 1627	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375328
2021	11	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	92	801-NM-532369-1628 to 1719	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375340
2021	12	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	218	801-NM-541700-863 to 1080	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375317
2021	12	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	1036	801-NM-541700-1081 to 2116	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375329
2021	12	W801	Caprock Wind Farm - Caprock Wind Farm	WND	SPSNM1	145	801-NM-541700-2117 to 2261	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375341
2021	2	W1026	Mesalands Community College - Mesalands	WND	SPSNM1	18	1026-NM-470632-23 to 40	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375427
2021	3	W1026	Mesalands Community College - Mesalands	WND	SPSNM1	57	1026-NM-485029-46 to 102	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375428
2021	3	W1026	Mesalands Community College - Mesalands	WND	SPSNM1	8	1026-NM-485029-103 to 110	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375429
2021	1	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	524	10907-NM-492657-128358 to 12888	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375390
2021	1	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1188	10907-NM-476080-6365 to 7552	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375402
2021	1	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	3322	10907-NM-476080-7553 to 10874	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375414
2021	2	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	715	10907-NM-476081-8887 to 9601	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375391
2021	2	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1309	10907-NM-476081-9602 to 10910	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375403
2021	2	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	3495	10907-NM-476081-10911 to 14405	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375415
2021	3	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1207	10907-NM-492658-8044 to 9250	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375393

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Year	Month	WREGIS GU ID	Generator Plant-Unit Name	Fuel Type	Login Name	Quantity	Certificate Serial Numbers	Date of Transfer	Transferor	Transferee	Action	SubAccount Name	Transaction ID
2021	3	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	2124	10907-NM-492658-9251 to 11374	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375405
2021	3	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	6233	10907-NM-492658-11375 to 17607	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375417
2021	4	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1177	10907-NM-492659-8993 to 10169	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375394
2021	4	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	2144	10907-NM-492659-10170 to 12313	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375406
2021	4	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	6110	10907-NM-492659-12314 to 18423	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375418
2021	5	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	950	10907-NM-483059-9292 to 10241	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375392
2021	5	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1815	10907-NM-483059-10242 to 12056	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375404
2021	5	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	5398	10907-NM-483059-12057 to 17454	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375416
2021	6	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	661	10907-NM-492660-8101 to 8761	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375395
2021	6	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1582	10907-NM-492660-8762 to 10343	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375407
2021	6	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	4854	10907-NM-492660-10344 to 15197	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375419
2021	7	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	384	10907-NM-500029-5046 to 5429	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375396
2021	7	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1054	10907-NM-500029-5430 to 6483	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375408
2021	7	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	3228	10907-NM-500029-6484 to 9711	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375420
2021	8	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	555	10907-NM-508167-6246 to 6800	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375397
2021	8	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1396	10907-NM-508167-6801 to 8196	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375409
2021	8	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	4097	10907-NM-508167-8197 to 12293	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375421
2021	9	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	707	10907-NM-515596-7200 to 7906	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375398
2021	9	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1927	10907-NM-515596-7907 to 9833	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375410
2021	9	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	6250	10907-NM-515596-9834 to 16083	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375422
2021	10	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	742	10907-NM-523377-6857 to 7598	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375399
2021	10	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1443	10907-NM-523377-7599 to 9041	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375411
2021	10	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	4236	10907-NM-523377-9042 to 13277	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375423
2021	11	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	648	10907-NM-534233-5979 to 6626	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375400
2021	11	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1415	10907-NM-534233-6627 to 8041	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375412
2021	11	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	5537	10907-NM-534233-8042 to 13578	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375424
2021	12	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	934	10907-NM-543046-6077 to 7010	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375401
2021	12	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	1406	10907-NM-543046-7011 to 8416	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375413
2021	12	W10907	Sagamore Wind Farm - Sagamore Wind	WND	SPSNM1	6677	10907-NM-543046-8417 to 15093	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375425
2021	1	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	309	803-NM-468830-5336 to 5644	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375246

Southwestern Public Service Company
WREGIS REC Transfers
Calendar Year 2021

Year	Month	WREGIS GU ID	Generator Plant-Unit Name	Fuel Type	Login Name	Quantity	Certificate Serial Numbers	Date of Transfer	Transferor	Transferee	Action	SubAccount Name	Transaction ID
2021	1	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	865	803-NM-468830-5645 to 6509	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375258
2021	1	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	136	803-NM-468830-6510 to 6645	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375270
2021	2	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	236	803-NM-468831-5132 to 5367	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375247
2021	2	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	631	803-NM-468831-5368 to 5998	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375259
2021	2	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	129	803-NM-468831-5999 to 6127	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375271
2021	3	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	331	803-NM-468832-5893 to 6223	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375256
2021	3	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	206	803-NM-468832-6224 to 6429	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375257
2021	3	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	971	803-NM-468832-6430 to 7400	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375268
2021	3	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	632	803-NM-468832-7401 to 8032	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375269
2021	3	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	188	803-NM-468832-8033 to 8220	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375280
2021	3	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	86	803-NM-468832-9296 to 9381	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375293
2021	4	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	257	803-NM-483295-556 to 812	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375249
2021	4	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	732	803-NM-483295-813 to 1544	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375261
2021	4	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	141	803-NM-483295-1545 to 1685	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375273
2021	5	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	258	803-NM-476334-702 to 959	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375248
2021	5	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	768	803-NM-476334-960 to 1727	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375260
2021	5	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	135	803-NM-476334-1728 to 1862	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375272
2021	7	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	150	803-NM-492898-266 to 415	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375250
2021	7	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	459	803-NM-492898-416 to 874	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375262
2021	7	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	55	803-NM-492898-875 to 929	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375274
2021	8	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	196	803-NM-506544-391 to 586	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375251
2021	8	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	574	803-NM-506544-587 to 1160	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375263
2021	8	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	78	803-NM-506544-1161 to 1238	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375275
2021	9	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	177	803-NM-514053-390 to 566	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375252
2021	9	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	575	803-NM-514053-567 to 1141	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375264
2021	9	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	65	803-NM-514053-1142 to 1206	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375276
2021	10	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	108	803-NM-521923-325 to 432	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375253
2021	10	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	318	803-NM-521923-433 to 750	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375265
2021	10	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	56	803-NM-521923-751 to 806	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375277
2021	11	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	115	803-NM-529915-371 to 485	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375254

Southwestern Public Service Company
WREGIS REC Transfers
Calendar Year 2021

Year	Month	WREGIS GU ID	Generator Plant-Unit Name	Fuel Type	Login Name	Quantity	Certificate Serial Numbers	Date of Transfer	Transferor	Transferee	Action	SubAccount Name	Transaction ID
2021	11	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	450	803-NM-529915-486 to 935	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375266
2021	11	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	53	803-NM-529915-936 to 988	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375278
2021	12	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	124	803-NM-539627-489 to 612	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375255
2021	12	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	587	803-NM-539627-613 to 1199	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375267
2021	12	W803	San Juan Mesa - San Juan Mesa	WND	SPSNM1	82	803-NM-539627-1200 to 1281	06/19/2022	Southwestern Public Service Company	Western Farmers Electric Cooperative	Transfer		1375279
						221,472							

Texas REC (ercot.com)

Year	Quarter	Type	Facility ID	Start #	End #	# of RECs	Last Operation	Last Operation Date	Retire Reason	Compliance Year	Memo	Select
2021	1	WIND	1411	1	547903	547903	Created	6/14/2021 11:27				
2021	2	WIND	1411	1	557011	557011	Created	8/10/2021 23:20				
2021	3	WIND	1411	1	377760	377760	Created	11/10/2021 11:36				
2021	4	WIND	1411	1	576254	576254	Created	2/10/2022 1:21				
					Sum	2,058,928.00						
						34.6%						
					Hale NM Jurisdictional Share	713,285						

Hale ERCOT Registration Form:

ERCOT Registration Form

PUCT Letter of Record

PUCT Letter of Record

PUCT Generation Form REC Generator

PUCT Generation Form REC Generator

Account Information

Company Name	Site Code	Unit Code	Facility Type	Status	In-Service Date	Certified Date	De-Certified Date	Meter Data
Southwestern Public Service (Hale)	Hale Wind	Hale Wind	GENERATOR	APPROVED	06/28/2019	07/11/2019		Monthly Totals

Renewable Energy Credit

Generator Registration Form

Power Generating Company Name *
Southwestern Public Service (Hale)

Power Generating Company Code *
Southwestern Public Service (Hale)

Generator Site Name *
Hale Wind

Generator Site Code *
Hale Wind

Generator Unit Name *
N/A

Generator Unit Code *

Unit Contact Information

Name *
Anthony Aragon

Address1 *
2493 FM 37

Address2
Address2

City *
Petersburg

State *
Texas

Country *
USA

Zip Code *
79250

Phone Number *
806-638-9910

Fax Number
Fax Number

Hale Wind

ERCOT Polls Unit *

○ ERCOT Polls Unit

◉ Manual Data Entry If checked, please enter a name below.

Christopher Flood

Technology Type *

Wind

Nameplate Rating (MW) *

478

Email *

ERCOTaccountant@xcelenergy.com

(format: xyz@ercot.com)

In-service Date *

06/28/2019

Out-of-service Date

Out-of-service Date

Fuel Type *

Wind x

REC Provider Certification Information from PUCT *

49621

07/11/2019

Decertified Date (format: mm/dd/yyyy)

ERCOT Designation *

○ ERCOT ◉ Non-ERCOT

Texas Designation *

◉ Texas ○ Non-Texas

REC Transaction Detail

Year	Quarter	Type	Facility ID	Start #	End #	# of RECs	Last Operation	Last Operation Date	Retire Reason	Compliance Year	Memo	Select
2020	2	WIND	1411	211152	489073	277922	Retirement initiated	6/17/2022 19:09	Voluntary	2021		☑
2020	1	WIND	1411	1	398702	398702	Retirement initiated	6/17/2022 19:08	Voluntary	2021		
						676,624						

Year	Qtr	Type	Facility ID	Start #	End #	# of RECs	Last Operation	Last Operation Date
2021	4	WIND	1411	534908	539518	4,611	Transfer to City of Lubbock through Lubbock Power and Light initiated	6/20/2022 0:34
2021	3	WIND	1411	343376	352165	8,790	Transfer to City of Lubbock through Lubbock Power and Light initiated	6/20/2022 0:33
2021	2	WIND	1411	507147	519991	12,845	Transfer to City of Lubbock through Lubbock Power and Light initiated	6/20/2022 0:32
2021	1	WIND	1411	497802	512926	15,125	Transfer to City of Lubbock through Lubbock Power and Light initiated	6/20/2022 0:32
2021	4	WIND	1411	539519	541809	2,291	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:31
2021	3	WIND	1411	352166	353654	1,489	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:30
2021	2	WIND	1411	519992	522726	2,735	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:30
2021	1	WIND	1411	512927	515732	2,806	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:29
2021	4	WIND	1411	541810	557860	16,051	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:29
2021	3	WIND	1411	353655	365838	12,184	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:28
2021	2	WIND	1411	522727	538707	15,981	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:27
2021	1	WIND	1411	515733	530844	15,112	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:27
2021	4	WIND	1411	557861	562079	4,219	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:26
2021	3	WIND	1411	365839	369784	3,946	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:26
2021	2	WIND	1411	538708	544124	5,417	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:25
2021	1	WIND	1411	530845	536192	5,348	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:25
2021	4	WIND	1411	562080	576254	14,175	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:24
2021	3	WIND	1411	369785	377760	7,976	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:24
2021	2	WIND	1411	544125	557011	12,887	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:23
2021	1	WIND	1411	536193	547903	11,711	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:23
2021	4	WIND	94	179237	180756	1,520	Transfer to City of Lubbock through Lubbock Power and Light initiated	6/20/2022 0:21
2021	3	WIND	94	102282	106270	3,989	Transfer to City of Lubbock through Lubbock Power and Light initiated	6/20/2022 0:20
2021	2	WIND	94	105277	109208	3,932	Transfer to City of Lubbock through Lubbock Power and Light initiated	6/20/2022 0:19
2021	1	WIND	94	110792	114796	4,005	Transfer to City of Lubbock through Lubbock Power and Light initiated	6/20/2022 0:19
2021	4	WIND	94	180757	181525	769	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:18
2021	3	WIND	94	106271	106943	673	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:17
2021	2	WIND	94	109209	110030	822	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:17
2021	1	WIND	94	114797	115562	766	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:16
2021	4	WIND	94	181526	186904	5,379	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:16
2021	3	WIND	94	106944	112456	5,513	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:15
2021	2	WIND	94	110031	114884	4,854	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:14
2021	1	WIND	94	115563	119702	4,140	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:14
2021	4	WIND	94	186905	188312	1,408	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:13
2021	3	WIND	94	112457	114241	1,785	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:12
2021	2	WIND	94	114885	116526	1,642	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:11
2021	1	WIND	94	119703	121164	1,462	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:10
2021	4	WIND	94	188313	193060	4,748	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:10
2021	3	WIND	94	114242	117846	3,605	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:09
2021	2	WIND	94	116527	120426	3,900	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:09
2021	1	WIND	94	121165	124377	3,213	Transfer to Western Farmers Electric Cooperative initiated	6/20/2022 0:08
2021	4	WIND	192	170996	172414	1,419	Transfer to City of Lubbock through Lubbock Power and Light initiated	6/19/2022 23:50
2021	3	WIND	192	138830	142464	3,635	Transfer to City of Lubbock through Lubbock Power and Light initiated	6/19/2022 23:49
2021	2	WIND	192	151129	154976	3,848	Transfer to City of Lubbock through Lubbock Power and Light initiated	6/19/2022 23:48
2021	1	WIND	192	135958	139989	4,032	Transfer to City of Lubbock through Lubbock Power and Light initiated	6/19/2022 23:47
2021	4	WIND	192	172415	173147	733	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:45

2021	3 WIND	192	142465	143066	602	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:45
2021	2 WIND	192	154977	155780	804	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:44
2021	1 WIND	192	139990	140755	766	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:43
2021	4 WIND	192	173148	178288	5,141	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:42
2021	3 WIND	192	143067	147973	4,907	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:41
2021	2 WIND	192	155781	160526	4,746	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:40
2021	1 WIND	192	140756	144895	4,140	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:39
2021	4 WIND	192	178289	179626	1,338	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:39
2021	3 WIND	192	147974	149567	1,594	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:37
2021	2 WIND	192	160527	162130	1,604	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:36
2021	1 WIND	192	144896	146357	1,462	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:36
2021	4 WIND	192	179627	184151	4,525	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:34
2021	3 WIND	192	149568	152767	3,200	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:32
2021	2 WIND	192	162131	165963	3,833	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:31
2021	1 WIND	192	146358	149569	3,212	Transfer to Western Farmers Electric Cooperative initiated	6/19/2022 23:30

	76,986	Central Valley
	31,225	Farmers
94	98,148	Lea County
192	15,256	Roosevelt
1411	67,751	LP&L
	289,366	

Wildorado
Spinning Spur
Hale Wind

*Required **Required for Retail Entity

New Account Application			
Account Type:*	☑ RecGenerator	☐ RecOffsetGenerator	
	☐ MixedGenerator	☐ RetailEntity	
	☐ RecBroker	☐ RecTrader	
	☐ RecTradeExchange	☐ RecAggregator	
	☐ Other	☐ CoFiredGenerator	
DUNS Number:	SPS = DUNS #00-736-9713G		Complete the DUNS number for REC Generator, REC Offset Generator, Mixed Generator, and Competitive Retailer
Company Name:*	Southwestern Public Service - Hale		
Contact Name:*	Carlos Hill		
Address1:*	790 South Buchanan Street		
Address2:			
City:*	Amarillo		
State:*	Texas		
Country:*	USA		
Zip Code:*	79101		
Phone Number:*	303-571-6530		
Fax Number:			
E-mail:*	ERCOTaccountant@xcelenergy.com		format: abc@ercot.com
Web Site:	www.xcelenergy.com		format: www.ercot.com
Choose your Login Name and Password			
Login Name:*	[redacted]		
Password:*	[redacted]		(5-10 characters, at least one capital letter, one lower case letter, one number, and one symbol
Confirm Password:*	[redacted]		TRUE
Security Question:	[redacted]		
Security Answer:	[redacted]		
Provide the following information if your have selected the RETAIL ENTITY account type:			
ERCOT Polls Unit:**	☐ ErcotPollsMeterData		
	☐ ManualDataEntry		If checked, then enter a NAME below:
			Name of Metering Data Provider
ERCOT Designation:**	☐ Ercot	☐ Non-Ercot	Is your generating facility affiliated with ERCOT
Texas Designation:**	☐ Texas	☐ Non-Texas	Is your generating facility located inside or outside of Texas

Generator Registration Form			
Power Generating Company Name:*	Southwestern Public Service - Hale		
Power Generating Company Code:*			
Generator Site Name:*			
Generator Site Code:*			
Generator Unit Name:*			
Generator Unit Code:*			
ERCOT Polls Unit:*	☐ ErcotPollsUnit		
	☑ Manual Data Entry		If checked, then enter a NAME below:
	Christopher Flood		Name of Metering Data Provider
Technology Type:*	Wind		*(There will be a dropdown list online)*
Nameplate Rating (MW):*	478		(as determined by the PUCT)
In-service Date:*	06/28/2019		(format: mm/dd/yyyy)
Out-of-service Date:*			(format: mm/dd/yyyy)...when the facility is decommissioned
Fuel Type:*	Wind		*(There will be a dropdown list online)*
REC Provider Certification Information from PUCT:			Certification Number - REC Certification # Given to the generating facilty by the PUCT
			Certified Date (mm/dd/yyyy) - effective date for certification Given to the generating facilty by the PUCT
ERCOT Designation:*	☐ Ercot	☑ Non-Ercot	Is your generating facility affiliated with ERCOT
Texas Designation:*	☑ Texas	☐ Non-Texas	Is your generating facility located inside Texas

Unit Contact Information		
Name: *	Anthony Aragon	
Address1:*	2493 FM 37	
Address2:		
City:*	Petersburg	
State:*	TX	
Country:*	United States	
Zip Code:*	79250	
Phone Number:*	806-638-9910	
Fax Number:		
E-mail:*	ERCOTaccountant@xcelenergy.com	format: abc@ercot.com

DeAnn T. Walker
Chairman
Arthur C. D'Andrea
Commissioner
Shelly Botkin
Commissioner
John Paul Urban
Executive Director

Greg Abbott
Governor

Public Utility Commission of Texas

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2019 JUL 3 PM 4:43
PUBLIC UTILITY COMMISSION
FILING CLERK

To: Anthony Aragon
Hale Wind
2493 FM 37
Petersburg, Texas 79250

All Parties of Record

Re: Project No. 49621 - *Application of Hale Wind for a Renewable Energy Credit Generator Registration*

CORRECTED NOTICE OF APPROVAL

On June 11, 2019, Hale Wind filed an application to certify its facility as a renewable energy credit (REC) generator utilizing wind generating technology. Hale Wind is owned by Southwestern Public Service Company (SPS), which is an investor-owned utility. SPS's certificate of convenience and necessity registration number is 30153. The facility's total rated nameplate capacity is 478 megawatts (MW) and the metered generation eligible for RECs is 478 MW. On July 10, 2019, Commission Staff filed a recommendation on the application.

The application of Hale Wind includes the information required under 16 Texas Administrative Code (TAC) § 25.173(o). The facility is not ineligible for producing RECs under 16 TAC § 25.173(f). The facility satisfies the requirements under 16 TAC § 25.173(e)(1) and (4) as a new facility, capable of being metered and verified, and not powered by fossil fuel. Accordingly, the Commission certifies the facility as a REC generator.

Any subsequent changes to the information provided in this application must be filed with the Commission as supplements to the application within 30 days of such changes.

Signed at Austin, Texas the 31st day of July 2019.

PUBLIC UTILITY COMMISSION OF TEXAS

Mayson Pearson

MAYSON PEARSON
ADMINISTRATIVE LAW JUDGE

Q:\CADM\Docket Management\Electric\REC OFFSETS\REC\49xxx\49621-RecNOA Correct.docx

Procedure for Certifying Renewable Energy Credit Generators

NOTE: Do not use this form if you intend to file for REC offsets or in association with a REC aggregation company. Contact the Commission to obtain the appropriate certification form.

A. A completed application shall consist of the following.

1. A completed Certification Form for Renewable Energy Credit Generators.

2. A map showing the location of the facility and, if applicable, its boundary (for example, the boundary of the wind farm area metered at the point specified in Item 10). The map must also show the facility's interconnection point(s) with the local distribution or transmission system, and the location of all generation units listed under Item 13 of the application.

3. If one or more of the metering points specified in Item 10 are not part of the transmission or distribution system of ERCOT, an Independent System Operator, a Regional Transmission Organization, or an Independent Organization as defined in PURA Section 39.151(b), a narrative explaining where and how the output of the facility may be physically metered and verified in Texas by the Program Administrator.

4. For fossil fuels listed under Item 8, a narrative describing the role of such fuels in the generation technology. The narrative should explicitly state the heat input value of the fossil fuels relative to the heat input value of the renewable fuels specified in Item 7, and must include references to industry standards.

5. For previously existing renewable energy units that were upgraded and repowered at a greater capacity after Sept. 1, 1999, a narrative specifying the shutdown date, restart date, previous rated nameplate capacity, and new rated nameplate capacity, including references to industry standards.

B. Each certification shall pertain to a single facility. A facility may have multiple metering points, which shall be designated under Item 10. The metering points listed must represent the only locations through which generation from units included in the certification may enter an ISO grid.

C. If a facility includes units that separately would be ineligible to produce RECs the application must include a number or formula approved by the Commission that permits the Program Administrator to subtract the output of such units from the aggregated output recorded at the metering point in Item 10.

D. If an existing renewable energy unit is upgraded and repowered after Sept. 1, 1999, the unit must be included **twice** under Item 13. One entry shall designate the pre-upgrade rated nameplate capacity. The other shall show the **difference** between the new capacity and the pre-upgrade capacity and shall show the repower date as the date commercial operation begins / began.

E. Item 11 shall be the generation of all units listed under Item 13 that have been included in a nomination for REC offsets.

F. Eligible units are those which

1. Are not fossil fuel units that have been repowered to use a renewable fuel,

2. Were not developed as part of an emissions reduction project described in Health and Safety Code §382.05193, that is being used to satisfy the permit requirements in Health and Safety Code §382.0519,

3. Are not included in the rates of any utility, municipally owned utility or distribution cooperative through base rates, a power cost recovery factor, stranded cost recovery mechanism or any other fixed or variable rate element charged to end users, and

4. Are not capacity that was in operation before Sept. 1, 1999 unless the nameplate capacity is less than 2 MW.

G. The owner's designated representative and alternate representative must be based in Texas.

H. The owner of a facility certified to produce RECs may amend an existing application package if the facility's output is metered by an ISO. Amendment may be made by certified letter to the Commission describing the changes to be reflected in the facility's REC certification. If the amendment results in material change to the facts represented in any narrative or map submitted with the original application, updated narratives and maps must be included with the letter requesting the amendment. Narratives and maps that do not require revisions need not be resubmitted.

If the capacity of the facility changes at a later date, the owner of the facility shall file with the Commission any updated information on the facility by the 15th of the month following the end of the calendar quarter. The information filed shall reflect the change in nameplate capacity of the facility during the quarter just completed and the total capacity of the facility as of the last business day of the calendar quarter.

J. The owner of the facility shall provide the annual historical output of the facility (in MWh) from the start of commercial operations up to the date of filing this application. The annual period for historical output shall be from October 1 through September 30.

Certification Form for Renewable Energy Credit Generators

Information about Generating Unit(s)

1.	Facility Name or Description	Hale Wind
2.	Street Address or Legal Geographical Location	2493 FM 37 Petersburg, TX. 79250
3.	Name of Owner	SOUTHWESTERN PUBLIC SERVICE COMPANY (First Tier Subsidiary through Xcel Energy Inc.)
4.	Owner PUC Registration (*for Subst. Rule §25.109*)	Not Applicable
5.	On-site Contact Person (if applicable)	Anthony Aragon
6.	On-site Telephone Number (if applicable)	806-638-9910
7.	Type of Renewable Generating Technology	____ Biomass ____Hydroelectric ____ Solar √ ____Wind ____ Other (specify):
8.	Fossil Fuels Used (*if any*)	
9.	TNRCC Air Permit Number (*if any*)	
10.	Meters (*ISO Numbers or Other Identifiers*)	KZM018100207, KZM018100208
11.	Percentage to be Subtracted from Annual Metered Generation	0%
12.	Metered Generation Eligible for Renewable Energy Credits (in MW)	478

13.	Please complete the following for each generating unit operating at this facility. Include additional pages as necessary. For sites with large numbers of individual units, complete the attachment entitled "List of Generating Units at Facility" and enter "See attached list" in the first three blanks of this section. For older units upgraded and repowered after Sept. 1999, include one page describing the unit before the upgrade, and another page describing the incremental addition to capacity resulting from the upgrade.	
	Manufacturer	See attached list
	Serial Number(s)	See attached list
	Date Commercial Operation Began / Will Begin	See attached list
	Total Rated Nameplate Capacity	478 MW
	Is this a fossil fuel unit that has been or will be repowered to use a renewable fuel?	**Yes** ____ **No** √
	Is this unit developed as part of an emissions reduction project described in Health and Safety Code §382.05193, that is being used to satisfy the permit requirements in Health and Safety Code §382.0519?	**Yes** ____ **No** √
	If the generating unit is owned by or under contract to a utility, an electric cooperative, municipally-owned utility, competitive retailer, or river authority, is any portion of this unit's above-market costs included in the rates of any utility, municipally owned utility or distribution cooperative through base rates, a power cost recovery factor, stranded cost recovery mechanism or any other fixed or variable rate element charged to end users? If the answer is "yes" at the date this application is filed, state the date when the answer would become "no." Provide documentation to support this change of status.	**Yes** ____ **No**____ N/A **Date**____ ____
	Does this unit qualify for Renewable Energy Credit Offsets?	**Yes** ____ **No** √

Name, Mailing Address and Telephone of Generating Facility Owner

David Hudson
790 South Buchanan Street
Amarillo, TX 79101
612-342-8914

Name, Mailing Address and Telephone of Owner's Designated Representative

Anthony Aragon
2493 FM 37
Petersburg, TX 79250
806-638-9910

Name, Mailing Address and Telephone of Alternate Representative

Chris Whiteside
790 South Buchanan Street
Amarillo, TX 79101
806-765-2811

I certify that I have reviewed and will comply with the provisions in Section 14, "Renewable Energy Credit Trading Program" of the ERCOT Protocols. I certify that the information presented in this Certification Form is correct. I further certify that the generating facility owner (or designated representative) shall inform the Project Administrator of any change that renders the information contained in this certification obsolete, and that such notification will be provided in writing no later than 30 days after the change is discovered by the owner.

David T. Hudson 6/10/2019

Owner of Generating Facility or Designated Representative **Date**

List of Generating Units at Facility

Manufacturer and Make	Serial Number(s)	Date Commercial Operation Began/Begins	Capacity per Unit (in MW)	Number of Units	Capacity (in MW)
(See Attached)					

List of Generating Units at Facility

Totals =	239 units	478 MW

Turbine Pad	Manufacturer	Make	Serial Number(s)	Date Commercial Operation Began/Begins	Capacity per Unit (MW)	Number of Units	Capacity (MW)
1	Vestas	V116	NB18017992	06/28/2019	2.00	1	2
2	Vestas	V110	NB17016463	06/28/2019	2.00	1	2
3	Vestas	V110	NB17016442	06/28/2019	2.00	1	2
4	Vestas	V116	NB18017998	06/28/2019	2.00	1	2
5	Vestas	V116	NB18018022	06/28/2019	2.00	1	2
6	Vestas	V116	NB18017999	06/28/2019	2.00	1	2
7	Vestas	V116	NB18017995	06/28/2019	2.00	1	2
8	Vestas	V116	NB18017994	06/28/2019	2.00	1	2
9	Vestas	V116	NB18018015	06/28/2019	2.00	1	2
10	Vestas	V116	NB18018004	06/28/2019	2.00	1	2
11	Vestas	V116	NB18018028	06/28/2019	2.00	1	2
13	Vestas	V116	NB18018027	06/28/2019	2.00	1	2
14	Vestas	V116	NB18017989	06/28/2019	2.00	1	2
15	Vestas	V116	NB18018013	06/28/2019	2.00	1	2
16	Vestas	V116	NB18018020	06/28/2019	2.00	1	2
17	Vestas	V116	NB18018033	06/28/2019	2.00	1	2
18	Vestas	V110	NB17016511	06/28/2019	2.00	1	2
19	Vestas	V116	NB18018007	06/28/2019	2.00	1	2
20	Vestas	V110	NB17016518	06/28/2019	2.00	1	2
21	Vestas	V110	NB17016545	06/28/2019	2.00	1	2
22	Vestas	V110	NB17016549	06/28/2019	2.00	1	2
23	Vestas	V116	NB18018014	06/28/2019	2.00	1	2
24	Vestas	V110	NB17016574	06/28/2019	2.00	1	2
25	Vestas	V116	NB18018010	06/28/2019	2.00	1	2
26	Vestas	V116	NB18018039	06/28/2019	2.00	1	2
27	Vestas	V116	NB18018017	06/28/2019	2.00	1	2
28	Vestas	V116	NB18017988	06/28/2019	2.00	1	2
29	Vestas	V110	NB17016546	06/28/2019	2.00	1	2
30	Vestas	V110	NB17016465	06/28/2019	2.00	1	2
31	Vestas	V110	NB17016517	06/28/2019	2.00	1	2
32	Vestas	V110	NB17016586	06/28/2019	2.00	1	2
33	Vestas	V110	NB17016515	06/28/2019	2.00	1	2
34	Vestas	V116	NB18018005	06/28/2019	2.00	1	2
35	Vestas	V116	NB18018021	06/28/2019	2.00	1	2
36	Vestas	V110	NB17016519	06/28/2019	2.00	1	2
37	Vestas	V110	NB17016512	06/28/2019	2.00	1	2
38	Vestas	V110	NB17016548	06/28/2019	2.00	1	2
39	Vestas	V110	NB17016547	06/28/2019	2.00	1	2
40	Vestas	V116	NB18017996	06/28/2019	2.00	1	2
41	Vestas	V116	NB18018016	06/28/2019	2.00	1	2
42	Vestas	V116	NB18018030	06/28/2019	2.00	1	2
43	Vestas	V116	NB18018032	06/28/2019	2.00	1	2
44	Vestas	V116	NB18017986	06/28/2019	2.00	1	2
45	Vestas	V116	NB18018024	06/28/2019	2.00	1	2
46	Vestas	V116	NB18018000	06/28/2019	2.00	1	2
47	Vestas	V116	NB18018019	06/28/2019	2.00	1	2
48	Vestas	V116	NB18018035	06/28/2019	2.00	1	2
49	Vestas	V110	NB17016576	06/28/2019	2.00	1	2
50	Vestas	V116	NB18017987	06/28/2019	2.00	1	2
51	Vestas	V116	NB18018006	06/28/2019	2.00	1	2
52	Vestas	V116	NB18018055	06/28/2019	2.00	1	2
53	Vestas	V110	NB17016582	06/28/2019	2.00	1	2
54	Vestas	V110	NB17016587	06/28/2019	2.00	1	2
55	Vestas	V116	NB18018018	06/28/2019	2.00	1	2
56	Vestas	V116	NB18018009	06/28/2019	2.00	1	2
57	Vestas	V116	NB18018012	06/28/2019	2.00	1	2
58	Vestas	V116	NB18018008	06/28/2019	2.00	1	2
59	Vestas	V110	NB17016538	06/28/2019	2.00	1	2
60	Vestas	V110	NB17016585	06/28/2019	2.00	1	2

List of Generating Units at Facility

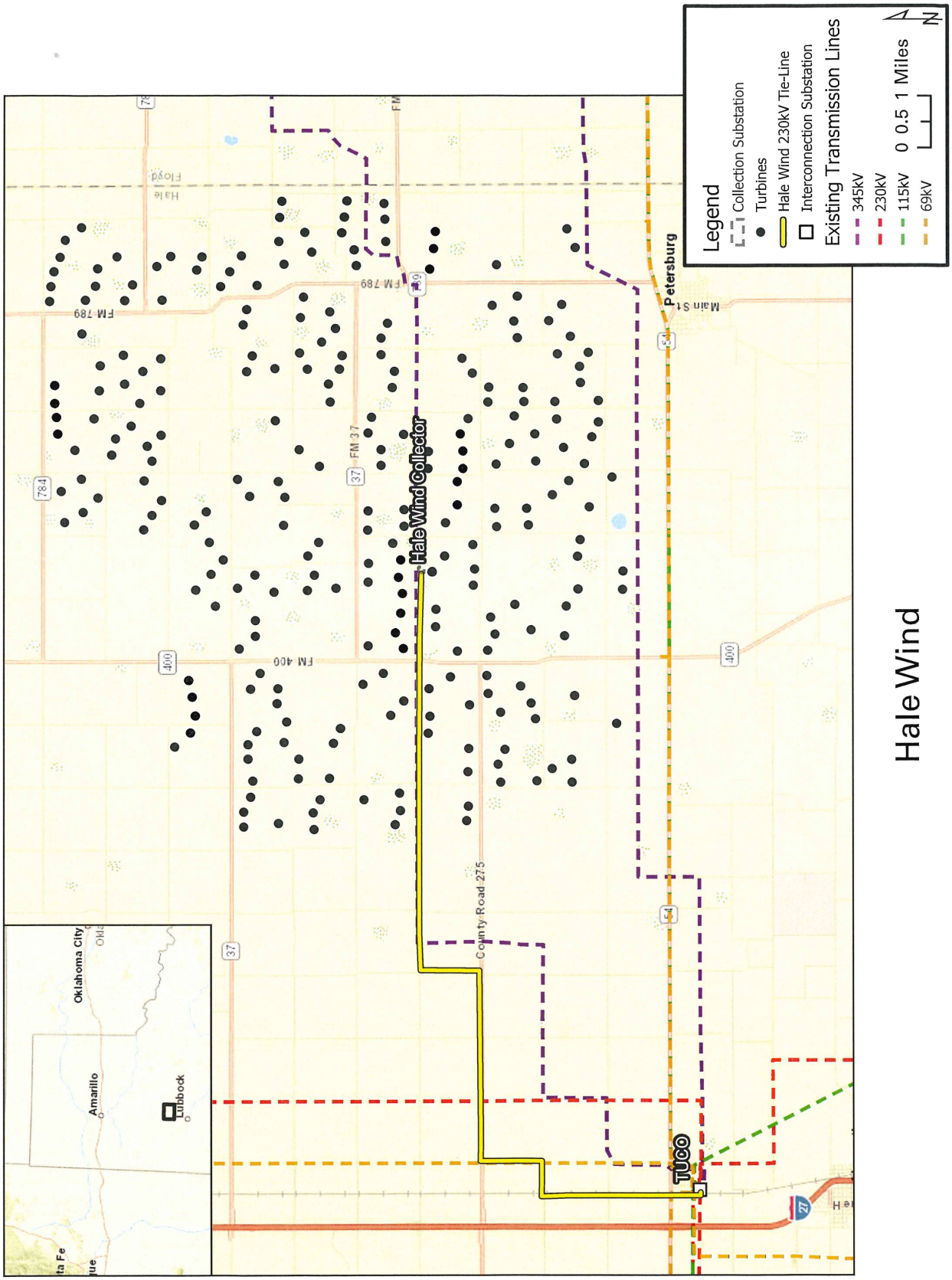
Turbine Pad	Manufacturer	Make	Serial Number(s)	Date Commercial Operation Began/Begins	Capacity per Unit (MW)	Number of Units	Capacity (MW)
61	Vestas	V116	NB18018011	06/28/2019	2.00	1	2
62	Vestas	V116	NB18018037	06/28/2019	2.00	1	2
63	Vestas	V116	NB18018029	06/28/2019	2.00	1	2
64	Vestas	V116	NB18018002	06/28/2019	2.00	1	2
65	Vestas	V110	NB17016509	06/28/2019	2.00	1	2
66	Vestas	V116	NB18018023	06/28/2019	2.00	1	2
67	Vestas	V116	NB18017990	06/28/2019	2.00	1	2
68	Vestas	V110	NB17016513	06/28/2019	2.00	1	2
69	Vestas	V116	NB18018031	06/28/2019	2.00	1	2
70	Vestas	V116	NB18018036	06/28/2019	2.00	1	2
71	Vestas	V116	NB18018003	06/28/2019	2.00	1	2
72	Vestas	V116	NB18018034	06/28/2019	2.00	1	2
73	Vestas	V116	NB18017991	06/28/2019	2.00	1	2
74	Vestas	V116	NB18017997	06/28/2019	2.00	1	2
75	Vestas	V116	NB18018042	06/28/2019	2.00	1	2
76	Vestas	V116	NB18018057	06/28/2019	2.00	1	2
77	Vestas	V116	NB18018269	06/28/2019	2.00	1	2
78	Vestas	V116	NB18018293	06/28/2019	2.00	1	2
79	Vestas	V116	NB18018277	06/28/2019	2.00	1	2
80	Vestas	V116	NB18018340	06/28/2019	2.00	1	2
81	Vestas	V116	NB18018342	06/28/2019	2.00	1	2
82	Vestas	V116	NB18018343	06/28/2019	2.00	1	2
83	Vestas	V116	NB18018347	06/28/2019	2.00	1	2
84	Vestas	V116	NB18018280	06/28/2019	2.00	1	2
85	Vestas	V116	NB18018274	06/28/2019	2.00	1	2
86	Vestas	V116	NB18018063	06/28/2019	2.00	1	2
87	Vestas	V116	NB18018038	06/28/2019	2.00	1	2
88	Vestas	V116	NB18017993	06/28/2019	2.00	1	2
89	Vestas	V116	NB18018059	06/28/2019	2.00	1	2
90	Vestas	V116	NB18018300	06/28/2019	2.00	1	2
91	Vestas	V116	NB18018297	06/28/2019	2.00	1	2
92	Vestas	V116	NB18018045	06/28/2019	2.00	1	2
93	Vestas	V116	NB18018058	06/28/2019	2.00	1	2
94	Vestas	V116	NB18018047	06/28/2019	2.00	1	2
95	Vestas	V116	NB18018321	06/28/2019	2.00	1	2
96	Vestas	V116	NB18018052	06/28/2019	2.00	1	2
97	Vestas	V116	NB18018050	06/28/2019	2.00	1	2
98	Vestas	V116	NB18018337	06/28/2019	2.00	1	2
99	Vestas	V116	NB18018329	06/28/2019	2.00	1	2
100	Vestas	V116	NB18018320	06/28/2019	2.00	1	2
101	Vestas	V116	NB18018341	06/28/2019	2.00	1	2
102	Vestas	V116	NB18018334	06/28/2019	2.00	1	2
103	Vestas	V116	NB18018304	06/28/2019	2.00	1	2
105	Vestas	V116	NB18018336	06/28/2019	2.00	1	2
106	Vestas	V116	NB18018339	06/28/2019	2.00	1	2
107	Vestas	V116	NB18018348	06/28/2019	2.00	1	2
108	Vestas	V116	NB18018296	06/28/2019	2.00	1	2
109	Vestas	V116	NB18018272	06/28/2019	2.00	1	2
110	Vestas	V116	NB18018061	06/28/2019	2.00	1	2
111	Vestas	V116	NB18018276	06/28/2019	2.00	1	2
112	Vestas	V116	NB18018292	06/28/2019	2.00	1	2
113	Vestas	V116	NB18018040	06/28/2019	2.00	1	2
114	Vestas	V116	NB18018278	06/28/2019	2.00	1	2
115	Vestas	V116	NB18018285	06/28/2019	2.00	1	2
116	Vestas	V116	NB18018279	06/28/2019	2.00	1	2
117	Vestas	V116	NB18018323	06/28/2019	2.00	1	2
118	Vestas	V116	NB18018282	06/28/2019	2.00	1	2
119	Vestas	V116	NB18018286	06/28/2019	2.00	1	2
120	Vestas	V116	NB18018291	06/28/2019	2.00	1	2

List of Generating Units at Facility

Turbine Pad	Manufacturer	Make	Serial Number(s)	Date Commercial Operation Began/Begins	Capacity per Unit (MW)	Number of Units	Capacity (MW)
121	Vestas	V116	NB18018294	06/28/2019	2.00	1	2
122	Vestas	V116	NB18018271	06/28/2019	2.00	1	2
123	Vestas	V116	NB18018283	06/28/2019	2.00	1	2
124	Vestas	V116	NB18018281	06/28/2019	2.00	1	2
125	Vestas	V116	NB18018270	06/28/2019	2.00	1	2
126	Vestas	V116	NB18018290	06/28/2019	2.00	1	2
127	Vestas	V116	NB18018288	06/28/2019	2.00	1	2
128	Vestas	V116	NB18018275	06/28/2019	2.00	1	2
129	Vestas	V116	NB18018273	06/28/2019	2.00	1	2
130	Vestas	V116	NB18018287	06/28/2019	2.00	1	2
131	Vestas	V116	NB18018051	06/28/2019	2.00	1	2
132	Vestas	V116	NB18018064	06/28/2019	2.00	1	2
133	Vestas	V116	NB18018289	06/28/2019	2.00	1	2
134	Vestas	V116	NB18018048	06/28/2019	2.00	1	2
135	Vestas	V116	NB18018295	06/28/2019	2.00	1	2
136	Vestas	V116	NB18018056	06/28/2019	2.00	1	2
137	Vestas	V116	NB18018049	06/28/2019	2.00	1	2
138	Vestas	V116	NB18018053	06/28/2019	2.00	1	2
139	Vestas	V116	NB18018041	06/28/2019	2.00	1	2
140	Vestas	V116	NB18018338	06/28/2019	2.00	1	2
141	Vestas	V116	NB18018349	06/28/2019	2.00	1	2
142	Vestas	V116	NB18018299	06/28/2019	2.00	1	2
143	Vestas	V116	NB18018324	06/28/2019	2.00	1	2
144	Vestas	V116	NB18018062	06/28/2019	2.00	1	2
145	Vestas	V116	NB18018311	06/28/2019	2.00	1	2
146	Vestas	V116	NB18018060	06/28/2019	2.00	1	2
147	Vestas	V116	NB18018328	06/28/2019	2.00	1	2
148	Vestas	V116	NB18018333	06/28/2019	2.00	1	2
149	Vestas	V116	NB18018322	06/28/2019	2.00	1	2
150	Vestas	V116	NB18018302	06/28/2019	2.00	1	2
151	Vestas	V116	NB18018350	06/28/2019	2.00	1	2
153	Vestas	V116	NB18018430	06/28/2019	2.00	1	2
154	Vestas	V116	NB19018490	06/28/2019	2.00	1	2
155	Vestas	V116	NB18018357	06/28/2019	2.00	1	2
156	Vestas	V116	NB18018428	06/28/2019	2.00	1	2
157	Vestas	V116	NB18018455	06/28/2019	2.00	1	2
158	Vestas	V116	NB18018369	06/28/2019	2.00	1	2
159	Vestas	V116	NB18018438	06/28/2019	2.00	1	2
160	Vestas	V116	NB18018376	06/28/2019	2.00	1	2
161	Vestas	V116	NB19018492	06/28/2019	2.00	1	2
162	Vestas	V116	NB18018327	06/28/2019	2.00	1	2
163	Vestas	V116	NB18018319	06/28/2019	2.00	1	2
164	Vestas	V116	NB18018310	06/28/2019	2.00	1	2
165	Vestas	V116	NB18018308	06/28/2019	2.00	1	2
166	Vestas	V116	NB18018372	06/28/2019	2.00	1	2
167	Vestas	V116	NB18018368	06/28/2019	2.00	1	2
168	Vestas	V116	NB18018354	06/28/2019	2.00	1	2
169	Vestas	V116	NB18018426	06/28/2019	2.00	1	2
170	Vestas	V116	NB19018493	06/28/2019	2.00	1	2
171	Vestas	V116	NB18018306	06/28/2019	2.00	1	2
172	Vestas	V116	NB18018312	06/28/2019	2.00	1	2
173	Vestas	V116	NB18018332	06/28/2019	2.00	1	2
174	Vestas	V116	NB18018351	06/28/2019	2.00	1	2
175	Vestas	V116	NB18018307	06/28/2019	2.00	1	2
176	Vestas	V116	NB18018043	06/28/2019	2.00	1	2
177	Vestas	V116	NB18018331	06/28/2019	2.00	1	2
178	Vestas	V116	NB18018298	06/28/2019	2.00	1	2
179	Vestas	V116	NB18018316	06/28/2019	2.00	1	2
180	Vestas	V116	NB18018325	06/28/2019	2.00	1	2

List of Generating Units at Facility

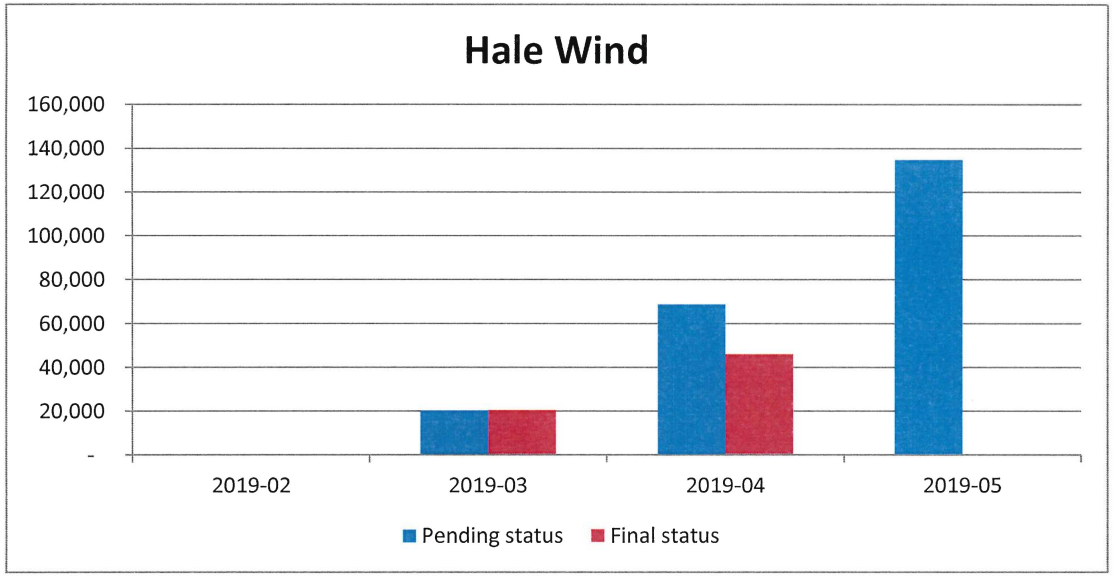
Turbine Pad	Manufacturer	Make	Serial Number(s)	Date Commercial Operation Began/Begins	Capacity per Unit (MW)	Number of Units	Capacity (MW)
181	Vestas	V116	NB18018335	06/28/2019	2.00	1	2
182	Vestas	V116	NB18018330	06/28/2019	2.00	1	2
186	Vestas	V116	NB18018456	06/28/2019	2.00	1	2
187	Vestas	V116	NB18018361	06/28/2019	2.00	1	2
188	Vestas	V116	NB18018457	06/28/2019	2.00	1	2
189	Vestas	V116	NB18018317	06/28/2019	2.00	1	2
190	Vestas	V116	NB18018314	06/28/2019	2.00	1	2
191	Vestas	V116	NB18018309	06/28/2019	2.00	1	2
192	Vestas	V116	NB19018495	06/28/2019	2.00	1	2
193	Vestas	V116	NB18018425	06/28/2019	2.00	1	2
194	Vestas	V116	NB18018315	06/28/2019	2.00	1	2
195	Vestas	V116	NB18018360	06/28/2019	2.00	1	2
196	Vestas	V116	NB18018358	06/28/2019	2.00	1	2
197	Vestas	V116	NB18018439	06/28/2019	2.00	1	2
198	Vestas	V116	NB18018305	06/28/2019	2.00	1	2
199	Vestas	V116	NB18018326	06/28/2019	2.00	1	2
200	Vestas	V116	NB18018303	06/28/2019	2.00	1	2
205	Vestas	V116	NB18018346	06/28/2019	2.00	1	2
206	Vestas	V116	NB18018318	06/28/2019	2.00	1	2
207	Vestas	V116	NB18018313	06/28/2019	2.00	1	2
208	Vestas	V116	NB18018373	06/28/2019	2.00	1	2
209	Vestas	V116	NB18018301	06/28/2019	2.00	1	2
210	Vestas	V116	NB18018355	06/28/2019	2.00	1	2
211	Vestas	V116	NB18018458	06/28/2019	2.00	1	2
212	Vestas	V116	NB18018440	06/28/2019	2.00	1	2
213	Vestas	V116	NB18018365	06/28/2019	2.00	1	2
214	Vestas	V116	NB18018436	06/28/2019	2.00	1	2
215	Vestas	V116	NB18018432	06/28/2019	2.00	1	2
216	Vestas	V116	NB18018356	06/28/2019	2.00	1	2
217	Vestas	V116	NB18018364	06/28/2019	2.00	1	2
218	Vestas	V116	NB18018353	06/28/2019	2.00	1	2
219	Vestas	V116	NB18018435	06/28/2019	2.00	1	2
220	Vestas	V116	NB18018437	06/28/2019	2.00	1	2
221	Vestas	V116	NB18018352	06/28/2019	2.00	1	2
222	Vestas	V116	NB18018370	06/28/2019	2.00	1	2
223	Vestas	V116	NB18018431	06/28/2019	2.00	1	2
224	Vestas	V116	NB19018491	06/28/2019	2.00	1	2
225	Vestas	V116	NB18018433	06/28/2019	2.00	1	2
226	Vestas	V116	NB18018429	06/28/2019	2.00	1	2
227	Vestas	V116	NB19018488	06/28/2019	2.00	1	2
228	Vestas	V116	NB18018434	06/28/2019	2.00	1	2
229	Vestas	V116	NB19018486	06/28/2019	2.00	1	2
230	Vestas	V116	NB18018366	06/28/2019	2.00	1	2
231	Vestas	V116	NB18018359	06/28/2019	2.00	1	2
232	Vestas	V116	NB19018489	06/28/2019	2.00	1	2
233	Vestas	V116	NB19018487	06/28/2019	2.00	1	2
234	Vestas	V116	NB18018362	06/28/2019	2.00	1	2
235	Vestas	V116	NB18018374	06/28/2019	2.00	1	2
236	Vestas	V116	NB18018363	06/28/2019	2.00	1	2
237	Vestas	V116	NB18018375	06/28/2019	2.00	1	2
238	Vestas	V116	NB18018427	06/28/2019	2.00	1	2
239	Vestas	V116	NB18018367	06/28/2019	2.00	1	2
Alt1	Vestas	V116	NB18018046	06/28/2019	2.00	1	2
Alt10	Vestas	V116	NB18018026	06/28/2019	2.00	1	2
Alt17	Vestas	V116	NB18018001	06/28/2019	2.00	1	2
Alt2	Vestas	V116	NB18018054	06/28/2019	2.00	1	2
Alt22	Vestas	V116	NB18018044	06/28/2019	2.00	1	2
Alt30	Vestas	V116	NB18018025	06/28/2019	2.00	1	2
Alt31	Vestas	V116	NB18018344	06/28/2019	2.00	1	2
Alt32	Vestas	V116	NB18018345	06/28/2019	2.00	1	2
Alt4	Vestas	V116	NB19018494	06/28/2019	2.00	1	2
Alt6	Vestas	V116	NB18018284	06/28/2019	2.00	1	2


Legend
Collection Substation
Turbines
Hale Wind 230kV Tie-Line
Interconnection Substation
Existing Transmission Lines
345kV
230kV
115kV
69kV
0 0.5 1 Miles
N
Hale Wind
Hale Wind Collector
Petersburg
Main St
FM 789
FM 37
FM 400
County Road 275
TUCO
Oklahoma City
Amarillo
Lubbock
Floyd
Hale
784
400
37
54

Historical Output of the facility as of 2019-June-06

Location	SPS.HALE.WND	Sum of RT Meter (MWh)

Period	Pending status	Final status	Notes
2019-02	392	392	Final
2019-03	20,486	20,486	Final
2019-04	68,844	46,028	Partial Pending
2019-05	134,888		Pending
Grand Total	**224,610**	**66,906**	



Southwestern Public Service Company
Appendix C: Summary of Renewable Energy Cost Recovery
For Costs Incurred in 2021

Renewable Energy Cost Component	Description	2021 Recovery Mechanism	Case No(s).	
Caprock & San Juan (Wind) PPAs	**General.** The Caprock & San Juan wind facilities are located in New Mexico. The RECs associated with these PPAs are used to comply with the NM REA. SPS separates the costs between RECs and energy, which have different cost recovery treatment.		Case No. 04-00334-UT Case No. 05-00354-UT Case No. 10-00395-UT Case No. 12-00350-UT Case No. 14-00198-UT	12/21/2004 12/20/2005 12/28/2011 3/26/2014 12/10/2014
	RECs. The RECs from the Caprock and San Juan wind contracts are administratively assigned a value (currently, $1.35/MWh). Prior to 2013, each REC was placed in a "REC bank" upon generation and as RECs were disposed of (retired for annual REA compliance, transferred to wholesale customers, sold, or expired), the RECs were valued at $1.35 and placed in the "REC Tracker". In Case No. 12-00350-UT, SPS received approval for the elimination of the REC tracker for RECs generated after 12/31/2013. Currently, RECs are recovered through the RPS Rider. NM retail customers receive a credit for TX-generated RECs.	RPS Rider		
	Energy. The energy (total price less the REC) is allocated among SPS's three jurisdictions (NM retail, TX retail, and Wholesale) and collected through the applicable fuel adjustment clauses.	FPPCAC		

Southwestern Public Service Company
Appendix C: Summary of Renewable Energy Cost Recovery
For Costs Incurred in 2021

Renewable Energy Cost Component	Description	2021 Recovery Mechanism	Case No(s).	
SunE (Solar) PPAs	**General.** SPS purchased energy from 5 facilities located in NM. The contract price is administratively segregated into three parts: (i) REC; (ii) energy at and below avoided cost; and (iii) energy above avoided cost. Each piece has a different cost recovery treatment.		Case No. 10-00015-UT Case No. 12-00350-UT Case No. 14-00198-UT Case No. 20-00143-UT	9/14/2010 3/26/2014 12/10/2014 12/16/2020
	RECs. The RECs are currently assigned a value based on the Roswell and Chaves Solar REC prices. Prior to January 1, 2021 RECs were assigned a value of $10/MWh.	RPS Rider		
	Energy at and Below Avoided Costs. Economic energy is allocated among SPS's three jurisdictions (NM retail, TX retail, and Wholesale) and collected through the applicable fuel adjustment clauses.	FPPCAC		
	Energy Above Avoided Costs. Energy above avoided cost is directly assigned to the NM retail jurisdiction. These costs were recovered through the RPS Rider.	RPS Rider		
DG Incentive Programs	**General.** SPS provides eligible customers with an incentive payment to encourage the deployment of distributed generation.		Case No. 12-00350-UT Case No. 14-00198-UT	3/26/2014 12/10/2014
	Incentive (REC) payment. The DG programs, including the applicable incentive payments and contract terms were approved by the Commission. The incentive payments SPS provides to applicable customers are collected through the RPS Rider.	RPS Rider		
	Incremental/Admin costs. Collected through the RPS Rider.	RPS Rider		

Southwestern Public Service Company
Appendix C: Summary of Renewable Energy Cost Recovery
For Costs Incurred in 2021

Renewable Energy Cost Component	Description	2021 Recovery Mechanism	Case No(s).	
WREGIS	**General.** SPS is required by the REA and Rule 572 to use WREGIS to track NM-generated RECs. The administrative fees charged by WREGIS are collected through the RPS Rider.	RPS Rider	Case No. 12-00350-UT Case No. 14-00198-UT	3/26/2014 12/10/2014
Reconciliation Rider	**RPS Reconcilation Rider Approval.** The Reconciliation Rider was designed to true up charges or credits related to the time prior to the emilination of the Qualifying Large Customer Cap.	RPS Reconciliaion Rider	Case No. 19-00134-UT	4/22/2020

* Note: There are no costs associated with Sagamore and Hale Wind RECs. SPS was authorized to (i) retire the RECs associated with the Sagamore and Hale wind facilities for RPS compliance as needed; and (ii) sell Sagamore and Hale RECs not used for RPS compliance or to offset any greenhouse gas standards and allocate the proceeds as credits to SPS's New Mexico retail customers through SPS's FPPCAC. Case No. 18-00201-UT Recommended Decision Decretal Paragraph F.

Southwestern Public Service Company
Appendix D: Summary of Renewable Costs Incurred and Recovery Mechanism
For Costs Incurred in 2021

Line No.	Description	(A) = (B) + (D) + (F) Total Cost	(B) Base Rates	(C) NM Retail Base Rates	(D) System Fuel [1]	(E) NM Retail Allocation - Fuel	(F) RPS Rider	(G) = (C) + (E) + (F) Total NM Retail Allocation
1	**Wind**							
2	Energy Only (San Juan, Caprock, Mesalands)	$ 22,809,919	$ -	$ -	$ 22,809,919	$ 7,898,368	$ -	$ 7,898,368
3	RECs (San Juan, Caprock)	672,296	-	-	-	-	672,296	672,296
4	Total Wind (L2:L3)	$ 23,482,216	$ -	$ -	$ 22,809,919	$ 7,898,368	$ 672,296	$ 8,570,664
5	**Owned Wind [2]**							
6	Base Rates	$ 88,704,636	$ 88,704,636	$ 30,425,229	$ -	$ -	$ -	$ 30,425,229
7	Fuel Savings	(58,800,252)	-	-	(58,800,252)	(19,969,742)	-	(19,969,742)
8	PTCs	(66,205,308)	-	-	(66,205,308)	(22,761,009)	-	(22,761,009)
9	Total Owned Wind (L6:L8)	$ (36,300,925)	$ 88,704,636	$ 30,425,229	$ (125,005,560)	$ (42,730,751)	$ -	$ (12,305,522)
10	**Solar (SunE PPAs)**							
11	Economic Energy	$ 7,719,671	$ -	$ -	$ 7,719,671	$ 2,604,116	$ -	$ 2,604,116
12	Uneconomic Energy	8,989,331	-	-	-	-	8,989,331	8,989,331
13	RECs	58,748	-	-	-	-	58,748	58,748
14	Total Solar (L11:L13)	$ 16,767,750	$ -	$ -	$ 7,719,671	$ 2,604,116	$ 9,048,079	$ 11,652,195
15	**DG**							
16	Incentives & Administration	$ 1,290,128	-	-	$ -	$ -	$ 1,290,128	$ 1,290,128
17	Total DG	$ 1,290,128	$ -	$ -	$ -	$ -	$ 1,290,128	$ 1,290,128
18	**WREGIS**							
19	Registration Costs	$ 10,440	-	-	$ -	$ -	$ 10,440	$ 10,440
20	Total WREGIS	$ 10,440	$ -	$ -	$ -	$ -	$ 10,440	$ 10,440
21	**Total Renewable Energy Costs (L4 + L9 + L15 + L17 + L20))**	**$ 5,249,608**	**$ 88,704,636**	**$ 30,425,229**	**$ (94,475,970)**	**$ (32,228,267)**	**$ 11,020,943**	**$ 9,217,905**

[1] Represents a total company (SPS) amount before allocation among SPS's three jurisdictions (NM Retail, TX Retail, and FERC).

[2] Hale and Sagamore costs are illustrative and based on the Annual Report filed in compliance with the Case No. 17-00044-UT Modified Unanimous Comprehensive Stipulation.

Southwestern Public Service Company
Appendix E: RPS Rider Reconciliation
For Costs Incurred in 2021

Line No.	Description	(A) Total Projected Costs[1]	(B) Actual Costs	(C) Revenue	(D)=(C)-(B) Over/(Under) Recovery
1	Reconcile 2021 Reconciliation Rider:				
2	2019 RPS Rider Reconciliation (Return Over-Recovery)	$ (3,286,392.88)	$ (3,286,392.88)	$ (2,744,167.88)	$ 542,225.00
3	2019 Rider Interest	(81,458.21)	(81,458.21)	(81,458.21)	(0.00)
4	**Portion related to RPS Reconciliation Rate (Tariff No.77) (L2:L3)[2]**	**$ (3,367,851.09)**	**$ (3,367,851.09)**	**$ (2,825,626.09)**	**$ 542,225.00**
5	2021 Annual Costs:				
6	DG (Incentive, Admin, and Marketing)	2,181,265.00	1,290,127.53	2,053,833.00	763,705.47
7	WREGIS	20,451.65	10,440.10	19,256.84	8,816.74
8	SunE RECs	59,972.04	58,747.57	56,468.40	(2,279.16)
9	SunE Uneconomic Costs	12,904,076.47	8,989,330.95	12,150,205.55	3,160,874.60
10	Solar RECs (other than SunE)	61,129.58	-	57,558.32	57,558.32
11	Wind RECs	1,920,715.76	672,296.36	1,808,505.35	1,136,208.99
12	**Portion for RPS Rider Rate (Tariff No. 70) (L5:L11)**	**$ 17,147,610.49**	**$ 11,020,942.51**	**$ 16,145,827.46**	**$ 5,124,884.95**
13	**Total (+L4+L12)**	**$ 13,779,759.40**	**$ 7,653,091.42**	**$ 13,320,201.37**	**$ 5,667,109.95**

[1] Final projected costs differ from SPS witness Ruth M. Sakya's direct testimony in Case No. 20-00143-UT because the Commission rejected SPS's request regarding the unassigned portion of the Roswell and Chaves PPAs. The final proposed costs align with Staff Witness Elisha Leyba-Tercero's direct testimony in that case.

[2] Return of 2019 Over-Recovery must be treated differently due to elimination of large customer caps in 2020.

Southwestern Public Service Company
Appendix F: Quarterly Excess DG Generation Reconciliation
For 2021

Line No.	Month	Recon. Period	Excess Generation (kWh)	Amount Initially Paid Based on Estimated Price	Average Estimated Price per kWh	Amounts Based on SPP IM Prices	Average Actual Price per kWh	Reconciling Amounts	Interest	Total
1	Jan-21		654,456	$ 14,862	$ 0.022709	$ 16,476	$ 0.025175			
2	Feb-21		491,411	$ 10,655	$ 0.021683	$ 127,033	$ 0.258506			
3	Mar-21		567,995	$ 12,254	$ 0.021575	$ 10,996	$ 0.019360			
4		**Quarter 1**		**$ 37,772**		**$ 154,504**		**$ (116,733)**	**$ (35)**	**$ (116,768)**
5	Apr-21		704,805	$ 15,185	$ 0.021545	$ 27,350	$ 0.038805			
6	May-21		648,584	$ 13,965	$ 0.021532	$ 18,188	$ 0.028043			
7	Jun-21		573,311	$ 12,344	$ 0.021532	$ 19,574	$ 0.034143			
8		**Quarter 2**		**$ 41,495**		**$ 65,112**		**$ (23,617)**	**$ (6)**	**$ (23,623)**
9	Jul-21		508,445	$ 10,948	$ 0.021532	$ 20,381	$ 0.040085			
10	Aug-21		429,597	$ 9,250	$ 0.021532	$ 15,121	$ 0.035199			
11	Sep-21		398,318	$ 8,577	$ 0.021532	$ 15,482	$ 0.038869			
12		**Quarter 3**		**$ 28,775**		**$ 50,985**		**$ (22,210)**	**$ (6)**	**$ (22,216)**
13	Oct-21		462,828	$ 9,968	$ 0.021537	$ 18,180	$ 0.039281			
14	Nov-21		628,582	$ 13,535	$ 0.021532	$ 31,940	$ 0.050813			
15	Dec-21		523,081	$ 11,263	$ 0.021532	$ 13,024	$ 0.024899			
16		**Quarter 4**		**$ 34,765**		**$ 63,145**		**$ (28,380)**	**$ (8)**	**$ (28,388)**
19	**2021 Total (Refund) (L4+L8+L12+L16)**							**$ (190,940)**	**$ (55)**	**$ (190,995)**

Southwestern Public Service Company
Appendix G: Solar*Connect Analysis
For 2021

Line No.				
1	SoCore Facility Generation		2,569.60	MWh
2	Solar*Connect Sales		1,831.00	MWh
3	Net (L1-L2)		738.60	
4	2021 Solar*Connect Rate (Rate 76):			
5	Solar*Connect Charge	$	39.00	/MWh
6	Solar*Connect Credit	$	24.58	/MWh
7	Net=Solar*Connect Premium (L5-L6)	$	14.42	
8	**Non-Subscriber Subsidization (L3*L7)**	**$**	**10,651**	
9	Purchases from SoCore Facility	$	100,215	
10	Assumed Avoided Cost based on 2021 Rate (L1*L6)	$	(63,161)	
11	Net (L9-L10)	$	37,054	
12	Soar*Connect Revenue	$	26,395	
13	**Non-Subscriber Subsidization (L11-L12)**	**$**	**10,659**	

Southwestern Public Service Company
Appendix H: RPS Rule Map
For the 2021 RPS Report

REPORT (Rule 572.19)	Requirement	Rule Citation	Reference
1	Itemize Renewable Energy Generation & REC purchases and sales	19.A	RPS Report Section II & Appendix A
2	List and include copies of all RECs acquired, issued or retired	19.B	RPS Report Appendix B
3	Document from WREGIS and ERCOT (RECs): 1) acquired 2) sold 3) retired 4) transferred and 5) expired	19.C 19.C1 19.C2 19.C3 19.C4 19.C5	RPS Report Appendix B
4	Describe retirements made to meet RPS compliance based on actual retail sales and procurement costs, for most recent reporting period including, the reductions, if any, to the RPS for: 1. purchases by retail customers through an approved voluntary program, or 2. due to the RCT 3. explain and demonstrate how the reduction was determined 4. quantity of RECc banked for future compliance use	19.D	RPS Report Appendix A RPS Report Appendices C-E RPS Report Section II RPS Report Section IV
5	Describe and quantify the implementation of the voluntary renewable tariff requirements in 17.9.572.18 NMAC	19.E	RPS Report Section III
6	Present a full explanation of approved recovery mechanisms for approved annual renewable energy plan costs and a complete accounting of all collected and deferred amounts	19.F	RPS Report Section IV RPS Report Appendices C-E

7	Describe and tabulate the utility's compliance with its renewable portfolio standard for a given report year and describe how the compliance relates to the first year a new renewable portfolio standard becomes effective as established in Subsection A of Section 62-16-4 NMSA 1978 (2019) and Subsection A of 17.9.572.10 NMAC and describe how the compliance relates the first year of the next new renewable portfolio standard. The report shall include the following to demonstrate compliance with the renewable portfolio standard: (1) report year total utility renewable portfolio standard requirement in megawatt-hours; (2) report year total utility renewable portfolio standard compliance in megawatt-hours; (3) report year total utility renewable portfolio standard provided by eligible renewable energy resources in megawatt-hours listed by resource and totaled; (4) percentage of report year total utility renewable portfolio standard megawatt-hours provided by eligible renewable energy resources; and (5) report Year kWh generation by facility from coal-fired generating facilities allocated to New Mexico retail customers.	19.G	RPS Report Appendix A RPS Report Section II RPS Report Section IV RPS Report Section VII

REPORT (REA § 62-16-5)

	Renewable energy certificates:		
8	…….The public utility shall annually file a report with the commission discussing:	§ 62-16-5 (B) (2)	
9	its use, sale, trading or transfer of renewable energy certificates	§ 62-16-5 (B) (2)(a)	RPS Report Section II & Appendix A
10	whether and how its public claims of renewable energy generation account for renewable energy certificates that it has traded, sold or transferred	§ 62-16-5 (B) (2)(b)	RPS Report Section II
	Renewable energy certificates:		
11	that are used for the purpose of meeting the renewable portfolio standard shall be registered with a renewable energy generation information system that is designed to create and track ownership of renewable energy certificates and that, through the use of independently audited generation data, verifies the generation and delivery of electricity associated with each renewable energy certificate and protects against multiple counting of the same renewable energy certificate	§ 62-16-5 (B) (3)	RPS Report Appendix B
12	may be carried forward for up to four years from the date of issuance to establish compliance with the renewable portfolio standard, after which they shall be deemed retired by the public utility	§ 62-16-5 (B) (4)	RPS Report Appendix A
13	A public utility shall be responsible for demonstrating that a renewable energy certificate used for compliance with the renewable portfolio standard is derived from eligible renewable energy resources	§ 62-16-5 (C)	RPS Report Section II

SOUTHWESTERN PUBLIC SERVICE COMPANY

2022 FILING OF THE ANNUAL RENEWABLE ENERGY ACT PLAN FOR 2023 PLAN YEAR AND 2024 NEXT PLAN YEAR

Prepared in Compliance with 17.9.572.14 NMAC and NMSA 1978, § 62-16-4

July 1, 2022

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GLOSSARY OF ACRONYMS AND DEFINED TERMS

Acronym/Defined Term	Meaning
2021 IRP	SPS's current Integrated Resource Plan
Commission	New Mexico Public Regulation Commission
DG	Distributed Generation
ETA	Energy Transition Act
MW	Megawatt
MWh	Megawatt-hour
Next Plan Year	SPS's Annual Renewable Energy Act Plan for 2024
Plan Year	SPS's Annual Renewable Energy Act Plan for 2023
PPA	Purchased Power Agreement
REA	Renewable Energy Act (NMSA 1978, §§ 62-16-1 to 62-16-10)
REC	Renewable Energy Certificate
RCT	Reasonable Cost Threshold
RPS	Renewable Portfolio Standard
Rule 572	17.9.572 NMAC – Renewable Energy Rule for Electric Utilities
SPS	Southwestern Public Service Company, a New Mexico corporation
Total Company	Total SPS (Before jurisdictional allocation)

LIST OF APPENDICES

I. INTRODUCTION

Southwestern Public Service Company ("SPS"), a New Mexico corporation, files its 2022 Annual Renewable Energy Act Filing for 2023 ("Plan Year") and 2024 ("Next Plan Year") in compliance with the Renewable Energy Act (NMSA 1978, §§ 62-16-1 to 62-16-10 – "REA") and New Mexico Public Regulation Commission's ("Commission") Rule 572 (17.9.572 NMAC – Renewable Energy for Electric Utilities, as amended (May 2021) – "Rule 572").

In regards to the annual renewable plan filings, Rule 572 requires supporting testimony and data for the Plan Year and Next Plan Year RPS requirements and planned renewable procurements. Specifically, Rule 572.14(B) requires that each annual renewable energy act plan include:

1. testimony and exhibits providing a full explanation of the utility's determination of the plan year and next plan year RPS and RCT;
2. the cost of procurement in the plan year and the next plan year for all new renewable energy resources required to comply with the RPS selected by the utility pursuant to 17.9.572.10 NMAC;
3. the amount of renewable energy the public utility plans to provide in the plan year and the next plan year required to comply with the RPS;
4. testimony and exhibits demonstrating how the cost and amount specified in paragraphs (2) and (3) were determined;
5. testimony and exhibits demonstrating the plan year and next plan year procurement amounts and costs expected to be recovered by the utility;
6. the capital, operating and fuel costs on a per-megawatt-hour basis during the preceding calendar year of each nonrenewable generation resource rate-base by the utility, or dedicated to the utility through a power purchase agreement of one year or longer,

and the nonrenewable generation resources' carbon dioxide emissions on a per-megawatt-hour basis during the same year;

7. testimony and exhibits demonstrating the plan year and next plan year procurement amounts and costs expected to be recovered by the utility if limited by the RCT;

8. testimony demonstrating that the cost of the proposed procurement is reasonable compared with the price of electricity from renewable resources in the bids received by the public utility to recent prices for comparable energy resources elsewhere in the southwestern united states;

9. testimony regarding strategies used to minimize costs of renewable energy integration, including location, diversity, balancing area activity, demand-side management, rate design, and load management;

10. testimony demonstrating that the portfolio procurement plan is consistent with the integrated resource plan and explaining any material differences;

11. testimony demonstrating that acceptable system reliability will be maintained with the proposed new renewable resource additions;

12. information, including exhibits, as applicable, that demonstrates that the proposed procurement was the result of a competitive procurement that included opportunities for bidders to propose purchased power, facility self-build or facility build-transfer options;

13. demonstration that the plan is otherwise in the public interest, considering factors such as overall cost and economic development opportunities;

14. testimony demonstrating consistency with the last filed IRP and if not explain why it is inconsistent; and

15. any other information the commission may deem necessary.

Additionally, Rule 572.12(B) states that "[e]ach public utility shall include in its annual Renewable Energy Act plan a reasonable cost threshold analysis by procurement, existing or proposed, for the plan year for which it seeks commission approval. This

analysis should show how each procurement compares for that plan year with the inflation adjusted [RCT]."

II. REGULATORY COMPLIANCE ACTIVITY FOR PLAN YEAR AND NEXT PLAN YEAR

A. Determination of RPS and RCT (Rule 572.14(B)(1) and Rule 572.12(B))

1. Plan Year and Next Plan Year RPS Requirements

Section 62-16-4 of the REA and Rule 572.10 require that a public utility's renewable portfolio shall be no less than 20 percent of its annual retail New Mexico jurisdictional energy sales beginning in 2020. SPS currently projects that New Mexico retail sales will be 9,068,325 megawatt-hours ("MWh") in the Plan Year. Table 1 below shows the calculation of SPS's Plan Year projected RPS requirement:

Table 1: Calculation of Plan Year RPS Requirements (in MWh)

1	Projected Sales (at Meter)	9,068,325
2	Less: MWh Sales Under Voluntary Programs (Solar*Connect)	5,146
3	Net Retail Less Solar*Connect [Line 1 – Line 2]	9,063,180
4	RPS Percentage for Plan Year	20%
5	Total RPS Requirement for Plan Year [Line 3 * Line 4]	1,812,636

In the Next Plan Year, provided for informational purposes, SPS projects that its New Mexico retail sales will be 9,554,625 MWh. Table 2 below shows the calculation of SPS's Next Plan Year RPS requirement:

Table 2: Calculation of Next Plan Year RPS Requirements (in MWh)

1	Projected Retail Sales	9,554,625
2	Less: MWh Sales Under Voluntary Programs (Solar*Connect)	5,125
3	Net Retail Less Solar*Connect [Line 1 – Line 2]	9,549,500
4	RPS Percentage for Next Plan Year	20%
5	Total RPS Requirements for Next Plan Year [Line 3 + Line 4]	1,909,900

For a more complete discussion of the assumptions and factors considered in determining SPS's forecasted Plan Year and Next Plan Year total retail sales used to calculate the RPS, please refer to the direct testimony of Ben R. Elsey.

2. Plan Year and Next Plan Year RCT

Rule 572.7 (R)(1), Rule 572.12 and the REA define the RCT as an average annual levelized cost of sixty dollars per megawatt-hour at the point of interconnection of the renewable energy resource with the transmission system, adjusted for inflation after 2020.

In regards to Rule 572.12 (B), SPS provides, in Table 3 below, an RCT analysis, based on Levelized Cost of Energy, for existing RPS resources for informational purposes only. SPS believes the analysis comparing each procurement with the inflation adjusted RCT is only required for new or proposed procurements under REA Section 62-16-4 (E) and because Rule 572.7 (P)(4) indicates that a "procurement" is for any new, additional, or amended renewable energy resource.

Table 3: Levelized Cost of Energy

REC Acquisitions	Levelized Cost Of Energy ($/MWh)
Hale Wind	$ 18.10
Sagamore Wind	$ 21.67
Caprock	$ 28.60
San Juan	$ 29.09
Sun Edison 1-5	$ 130.60
Palo Duro	$ 24.46
Mammoth	$ 23.39
Bonita II	$ 23.36
Bonita I	$ 23.36
Chaves	$ 42.68
Roswell	$ 42.15

B. Plan Year and Next Plan Year Procurements (Rule 572.14(B)(3), (5)

SPS will be able to meet its overall Plan Year and Next Plan Year RPS requirements by purchasing sufficient wind energy from two New Mexico wind facilities (Caprock Wind L.P. and San Juan Mesa Wind Project LLC) as well as certain qualifying facilities, in addition to its banked wind RECs, using RECs acquired through annual generation at owned wind facilities, using the energy and RECs purchased under five purchased power agreements ("PPA") with entities associated with SunEdison, approved by the Commission in Case No. 10-00015-UT[1], using RECs purchased under PPAs at

[1] Case No. 10-00015-UT, *In the Matter of Southwestern Public Service Company's ("SPS") Application to the New Mexico Public Regulation Commission for a Final Order Granting: (1) Approval of SPS's Solar Purchase Power Agreements with SunE SPS1, LLC through SunE SPS5, LLC; (2) Authorization for SPS to Recover all Reasonable Costs of the Solar PPAs; (3) Authorization to Recover Costs Associated with the Solar Deferral Variance; (4) Acceptance of SPS's Report in Compliance with the Commission's Order in Case No. 09-00258-UT; and (5) All Other Approvals, Authorizations, or Variances*

Mammoth Plains, Palo Duro, Roswell, and Chaves facilities, approved by the Commission in Case No. 20-00143-UT[2], as well as RECs acquired through annual DG generation. Also approved in Case No. 20-00143-UT, as of January 1, 2024, SPS will begin purchasing the New Mexico retail allocation of the RECs associated with the two PPAs with Bonita Wind Energy, LLC. See Appendix A, pages 1 and 2 for a summary forecast of banked RECs and RECs acquired to meet RPS requirements.

C. Plan Year and Next Plan Year Procurement Costs (Rule 572.14(B) (4), and (5)

SPS projects that its Plan Year annual renewable procurement costs will be $167,586,358 (total company) or $72,270,762 (New Mexico retail). In the Next Plan Year, SPS projects its annual renewable procurement costs to be $191,303,771 (total company) or $85,172,363 (New Mexico retail). Please refer to Appendix B, pages 1 and 2, for SPS's Plan Year and Next Plan Year projected RPS-related procurement costs by

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Required for SPS's Performance and Cost Recovery under the Solar PPAs, Final Order Approving Recommended Decision (Sept. 14, 2010).

[2] In Case No. 20-00143-UT, SPS received approval to purchase the New Mexico retail allocation of the RECs associated with the following renewable energy PPAs: (i) Roswell, (ii) Chaves; (iii) Mammoth; (iv) Palo Duro; (v) Lorenzo (Bonita I); and (vi) Wildcat (Bonita II). *See* Case No. 20-00143-UT, *In the Matter of Southwestern Public Service Company's Annual 2021 Renewable Energy Portfolio Procurement Plan and Requested Approval Therein; Proposed 2021 Renewable Portfolio Standard Cost and Reconciliation Riders; Application for an RPS Incentive; and Other Associated Relief,* Final Order Adopting Recommended Decision with Modification to Decretal Paragraph K (Dec. 16, 2020).

In regard to Lorenzo (Bonita I) and Wildcat (Bonita II), SPS gave a one year REC Option Notice per the contract terms after receiving approval from the Commission in Case No. 20-00143-UT. Based on that Notice, SPS will begin receiving RECs Jan 1, 2024. In 2020, under the contract terms, the project owner (NextEra) presented SPS with a REC Right of First Offer Notice for 2021, 2022, and 2023. SPS declined to exercise the REC Right of First Offer based on pricing. In regard to Mammoth Plains, Palo Duro, Roswell, and Chaves, SPS gave a one-year REC Option Notice per the contract terms after receiving approval from the Commission in Case No. 20-00143-UT. Based on that Notice, SPS will begin receiving RECs Jan 1, 2022. SPS inquired about purchasing RECs in 2021, but declined the high offer price.

resource type and program cost, at a summary level. Appendix C provides the detailed calculations and assumptions used to provide the procurement costs.

Regarding cost recovery, in SPS's Case No. 12-00350-UT,[3] the Commission approved a renewable rider for SPS to recover its annual renewable costs, annual deferred renewable costs, and true-up balance of previous RPS compliance costs. Costs for economic energy related to SPS's wind and solar contracts will continue to be collected through SPS's fuel and purchased power cost adjustment clause. Please refer to the direct testimonies of Mr. Contreras and Mr. Luth for the calculation of the 2023 RPS revenue requirement, additional detail on RPS cost amounts, and the calculation of the 2023 RPS Rider rate and 2023 RPS Reconciliation Rider Rate.

D. Requirements Regarding Proposed Procurements (Rules 572.14(B)(2), (7), (8), (11) and (12))

SPS is not seeking approval of any new energy resource procurements in this proceeding. Accordingly, Rules 572.14(B)(2), (7), (8), (11) and (12) are not applicable.

[3] Case No. 12-00350-UT, *In the Matter of Southwestern Public Service Company's Application for Revision of its Retail Rates Under Advice Notice No. 245,* Final Order Partially Adopting Recommended Decision (Mar. 26, 2014).

E. Comparison to SPS's Integrated Resource Plan (Rule 572.14(B)(10) and (14))

SPS's current Integrated Resource Plan ("2021 IRP") was accepted in Case No. 21-00169-UT.[4] In its 2021 IRP, SPS assumed for modeling purposes, full compliance with the RPS requirements of the Renewable Energy Act and Rule 572. This Plan is consistent with the 2021 IRP. SPS's action plan from its 2021 IRP did not identify a need for new renewable resources being brought on in 2023, and SPS is not making such a request in this filing.

F. SPS's Filing for the Plan Year and Next Plan Year is in the Public Interest (Rule 572.14(B)(13))

SPS's 2023 RPS Plan balances New Mexico's goals for renewable energy development, not only as a whole, but also through the use of diverse renewable generation resources with customer protections through the cost limitations brought on by the RCT. Please refer to Mr. Contreras's direct testimony.

G. SPS's Filing Includes Required Information for Nonrenewable Generation (Rule 572.14(B)(6))

SPS has provided nonrenewable generation resource information in Appendix D to this plan.

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[4] Case No. 21-00169-UT, *In the Matter of Southwestern Public Service Company's 2021 Integrated Resource Plan for New Mexico*, Final Order (October 20, 2021).

H. Strategies Used to Minimize Costs of Renewable Energy Integration, Including Location, Diversity, Balancing Area Activity, Demand-side Management, and Load Management (Rule 572.14(B)(9))

SPS offers the following regarding strategies used to minimize costs of renewable energy integration, including location, diversity, balancing area activity, demand-side management, and load management.

SPS has, and continues to, implement a range of strategies to minimize costs of renewable energy integration. These strategies include competitive procurement processes, leveraging the purchasing power of Xcel Energy to obtain economies of scale savings, and maximizing tax incentives to minimize the cost of renewable energy integration.

SPS's robust evaluation process is critical in minimizing renewable energy integration costs. Using sophisticated production cost software, SPS evaluates renewable energy costs on a system-wide basis. In other words, production cost modeling software captures and incorporates balancing area activity in resource planning decisions. For example, SPS's production cost modeling software includes, but is not limited to, variables such as: load and demand profiles, generation profiles, energy costs and fuel forecasts, fixed and variable costs of generation, and market interaction.

By evaluating proposed renewable energy projects in a system-wide production cost model ensures the technical attributes and characteristics of renewable energy are fully incorporated in resource planning decisions. For example, the production cost

model will capture the value diversity provides. Using a side-by-side comparison a potential wind facility may provide lower costs than a potential solar facility. However, after the costs and generation profile are incorporated into a system-wide analysis, the solar facility could provide less system-wide costs than the wind project, based on the fact that solar facilities generate more energy during the on-peak, higher cost hours.

SPS's production cost modeling software can also evaluate the benefit of demand-side management and load management. In other words, SPS can directly compare the cost of additional supply-side resources against the alternative of load capacity reductions.

Finally, SPS can expand the scope of the evaluation process to include full nodal modeling of the SPS and SPP transmission system. This ensures the locational value of renewable energy integration is considered in the evaluation process.

III. SECTION 62-16-4 (G) REQUIREMENTS

REA Section 62-16-4 (G) requires certain information to be filed by a utility as part of a procurement plan. That section reads as follows:

> By July 1, 2020, and each July 1 thereafter, a public utility shall file a report to the commission on the public utility's procurement and generation of renewable energy since the last report and a procurement plan that includes:
>
> (1) the cost of procurement for new renewable energy required to comply with the renewable portfolio standard;
>
> (2) the capital, operating and fuel costs on a per-megawatt-hour basis during the preceding calendar year of each nonrenewable generation resource rate-based by the utility, or dedicated to the utility through a power purchase agreement of one year or longer, and the nonrenewable generation resources' carbon dioxide emissions on a per-megawatt-hour basis during that same year;

(3) information, including exhibits, as applicable, that demonstrates that the proposed procurement:
    (a) was the result of competitive procurement that included opportunities for bidders to propose purchased power, facility self-build or facility build-transfer options;
    (b) has a cost that is reasonable as evidenced by a comparison of the price of electricity from renewable energy resources in the bids received by the public utility to recent prices for comparable energy resources elsewhere in the southwestern United States; and
    (c) is in the public interest, considering factors such as overall cost and economic development opportunities; and
(4) strategies used to minimize costs of renewable energy integration, including location, diversity, balancing area activity, demand-side management and load management.

Regarding REA Section 62-16-4 (G) (1), please refer to Section II.C. and Appendices B and C to this plan. Regarding REA Section 62-16-4 (G) (2), please refer to Appendices D to this plan. Regarding REA Section 62-16-4 (G) (3), SPS is not proposing any new procurements. In regards to REA Section 62-16-4 (G) (4), please refer to Section II. H. to this plan.

Southwestern Public Service Company
Appendix A: Summary of Renewable Energy Generation and REC Transactions (in MWh)
For Calendar Year 2023

Line No.	Description	Total
1	2023 NM Retail Sales	9,068,325
2	Less Voluntary Program Sales (Solar*Connect)	5,146
3	Net 2023 NM Retail Sales	9,063,180
4	Overall RPS Requirement (%)	20%
5	RPS Obligation (L3 * L4)	1,812,636
6	Beginning REC Balance	3,939,480
7	**Generation (NM REC Allocation):**	
8	**Wind**	
9	Hale	784,892
10	Sagamore	832,161
11	Caprock Generation	242,303
12	San Juan Generation	241,303
13	Mesalands Generation	-
14	Mammoth Plains	323,024
15	Palo Duro	436,647
16	**Solar**	
17	SunEdison Solar Generation	102,028
18	Roswell	61,260
19	Chaves	62,677
20	**Distributed Generation**	
21	Company Owned Solar Generation	-
22	SolarRewards	3,244
23	Total Annual Generation (Sum L9 : L22)	3,089,539
24	Less Deemed Retired RECs	-
25	Less Annual RPS Obligation (L5)	1,812,636
26	REC Adjustments from Prior Years	-
27	Annual Excess/(Deficiency) (L23 - L24- L25 + L26)[1]	1,276,903
28	Cumulative Excess/(Deficiency) (L6 + L27)	5,216,383

Notes:

[1] SPS's general policy is to retire RECs on a first-in-first-out basis (that is, SPS retires the oldest year RECs available first before current generation).

Southwestern Public Service Company
Appendix A: Summary of Renewable Energy Generation and REC Transactions (in MWh)
For Calendar Year 2024

Line No.	Description	Total
1	2024 NM Retail Sales	9,554,625
2	Less Voluntary Program Sales (Solar*Connect)	5,125
3	Net 2024 NM Retail Sales	9,549,500
4	Overall RPS Requirement (%)	20%
5	RPS Obligation (L3 * L4)	1,909,900
6	Beginning REC Balance	5,216,383
7	**Generation (NM REC Allocation):**	
8	**Wind**	
9	Hale	826,995
10	Sagamore	875,872
11	Caprock Generation	246,404
12	San Juan Generation	248,332
13	Mesalands Generation	-
14	Mammoth Plains	340,132
15	Palo Duro	459,807
16	Bonita	145,922
17	**Solar**	
18	SunEdison Solar Generation	101,518
19	Roswell	63,696
20	Chaves	65,063
21	**Distributed Generation**	
22	Company Owned Solar Generation	-
23	SolarRewards	1,179
24	Total Annual Generation (Sum L9 : L22)	3,374,919
25	Less Deemed Retired RECs	
26	Less Annual RPS Obligation (L5)	1,909,900
27	REC Adjustments from Prior Years	-
28	Annual Excess/(Deficiency) (L24 - L25 - L26 + L27)[1]	1,465,019
29	Cumulative Excess/(Deficiency) (L6 + L28)	6,681,402

Notes:

[1] SPS's general policy is to retire RECs on a first-in-first-out basis (that is, SPS retires the oldest year RECs available first before current generation).

Southwestern Public Service Company
Appendix B: Summary of Projected Renewable Costs and Recovery Mechanism
For the Year 2023

Line No.	Description	(A) = (B) + (D) + (F) Total Cost	(B) Base Rates	(C) NM Retail Base Rates *	(D) System Fuel *	(E) NM Retail Allocation - Fuel *	(F) RPS Rider	(G) = (C) + (E) + (F) Total NM Retail Allocation
1	**Wind**							
2	Energy Only (San Juan, Caprock)	$ 18,312,222	$ -	$ -	$ 18,312,222	$ 7,000,117	$ -	$ 7,000,117
3	RECs (San Juan, Caprock, Less Wholesale Transfers)	652,868	-	-	-	-	652,868	652,868
4	Mammoth Plains Energy Only	18,987,763	-	-	18,987,763	7,258,352	-	7,258,352
5	Mammoth Plains RECs	339,175	-	-	-	-	339,175	339,175
6	Palo Duro Energy Only	26,279,383	-	-	26,279,383	10,045,682	-	10,045,682
7	Palo Duro RECs	458,480	-	-	-	-	458,480	458,480
8	Total Wind	$ 65,029,891	$ -	$ -	$ 63,579,368	$ 24,304,151	$ 1,450,523	$ 25,754,674
9	**Owned Wind**							
10	Base Rates **	$ 210,775,327	$ 210,775,327	$ 80,571,977	$ -	$ -	$ -	$ 80,571,977
11	PTCs	(136,704,583)	-	-	(136,704,583)	(52,257,343)	-	(52,257,343)
12	Total Owned Wind	$ 74,070,744	$ 210,775,327	$ 80,571,977	$ (136,704,583)	$ (52,257,343)	$ -	$ 28,314,634
13	**Solar**							
14	SunE Economic Energy	$ 3,813,667	$ -	$ -	$ 3,813,667	$ 1,457,830	$ -	$ 1,457,830
15	SunE Uneconomic Energy	11,231,351	-	-	-	-	11,231,351	11,231,351
16	SunE RECs	58,156	-	-	-	-	58,156	58,156
17	Roswell Energy Only - NM Alloc	6,308,481	-	-	6,308,481	2,411,510	-	2,411,510
18	Roswell RECs - NM Alloc	34,612	-	-	-	-	34,612	34,612
19	Chaves Energy Only - NM Alloc	6,526,198	-	-	6,526,198	2,494,735	-	2,494,735
20	Chaves RECs - NM Alloc	35,726	-	-	-	-	35,726	35,726
21	Total Solar	$ 28,008,190	$ -	$ -	$ 16,648,345	$ 6,364,076	$ 11,359,845	$ 17,723,920
22	**DG**							
23	Incentives & Administration	$ 463,865	$ -	$ -	$ -	$ -	$ 463,865	$ 463,865
24	Total DG	$ 463,865	$ -	$ -	$ -	$ -	$ 463,865	$ 463,865
25	**WREGIS**							
26	Registration Costs	$ 13,669	$ -	$ -	$ -	$ -	$ 13,669	$ 13,669
27	Total WREGIS	$ 13,669	$ -	$ -	$ -	$ -	$ 13,669	$ 13,669
28	**Total Renewable Energy Costs (L8 + L12 + L21 + L24 + L27)**	**$ 167,586,358**	**$ 210,775,327**	**$ 80,571,977**	**$ (56,476,870)**	**$ (21,589,116)**	**$ 13,287,902**	**$ 72,270,762**

* Allocation Factor based on forecast. System Fuel represents a total company (SPS) amount before allocation among SPS's three jurisdictions. The SunE uneconomic costs are allocated 100% to New Mexico and appear in the RPS Rider.

** For illustration purposes only. Based on the revenue requirement provided on Attachment SNN-12a (Errata) and Attachment SNN-12b (Errata) to the direct testimony of Stephanie N. Niemi in Case No. 20-00238-UT.

Fuel savings attributable to owned wind resources are not reflected here. The illustrative net cost of $17.51/MWh shown here ($49.83-($25*1.292656)) would be the lowest average fuel price at which the project would not be providing fuel savings.

Southwestern Public Service Company
Appendix B: Summary of Projected Renewable Costs and Recovery Mechanism
For the Year 2024

Line No.	Description	(A) = (B) + (D) + (F) Total Cost	(B) Base Rates	(C) NM Retail Base Rates *	(D) System Fuel *	(E) NM Retail Allocation - Fuel *	(F) RPS Rider	(G) = (C) + (E) + (F) Total NM Retail Allocation
1	**Wind**							
2	Energy Only (San Juan, Caprock)	$ 18,848,238	$ -	$ -	$ 18,848,238	$ 7,552,628	$ -	$ 7,552,628
3	RECs (San Juan, Caprock, Less Wholesale Transfers)	667,894	-	-	-	-	667,894	667,894
4	Mammoth Plains Energy Only	19,455,135	-	-	19,455,135	7,795,816	-	7,795,816
5	Mammoth Plains RECs	357,138	-	-	-	-	357,138	357,138
6	Palo Duro Energy Only	26,874,753	-	-	26,874,753	10,768,912	-	10,768,912
7	Palo Duro RECs	482,797	-	-	-	-	482,797	482,797
8	Bonita Energy Only	21,060,914	-	-	21,060,914	8,439,264	-	8,439,264
9	Bonita RECs	443,419	-	-	-	-	443,419	443,419
10	Total Wind	$ 88,190,288	$ -	$ -	$ 86,239,040	$ 34,556,619	$ 1,951,248	$ 36,507,868
11	**Owned Wind**							
12	Base Rates **	$ 211,737,894	$ 211,737,894	$ 84,844,936	$ -	$ -	$ -	$ 84,844,936
13	PTCs	(137,333,417)	-	-	(137,333,417)	(55,030,513)	-	(55,030,513)
14	Total Owned Wind	$ 74,404,477	$ 211,737,894	$ 84,844,936	$ (137,333,417)	$ (55,030,513)	$ -	$ 29,814,423
15	**Solar**							
16	SunE Economic Energy	$ 3,475,735	$ -	$ -	$ 3,475,735	$ 1,392,753	$ -	$ 1,392,753
17	SunE Uneconomic Energy	11,988,573	-	-	-	-	11,988,573	11,988,573
18	SunE RECs	58,881	-	-	-	-	58,881	58,881
19	Roswell Energy Only - NM Alloc	6,382,215	-	-	6,382,215	2,557,401	-	2,557,401
20	Roswell RECs - NM Alloc	37,103	-	-	-	-	37,103	37,103
21	Chaves Energy Only - NM Alloc	6,592,999	-	-	6,592,999	2,641,863	-	2,641,863
22	Chaves RECs - NM Alloc	37,196	-	-	-	-	37,196	37,196
23	Total Solar	$ 28,572,703	$ -	$ -	$ 16,450,950	$ 6,592,017	$ 12,121,753	$ 18,713,770
24	**DG**							
25	Incentives & Administration	$ 122,054	$ -	$ -	$ -	$ -	$ 122,054	$ 122,054
26	Total DG	$ 122,054	$ -	$ -	$ -	$ -	$ 122,054	$ 122,054
27	**WREGIS**							
28	Registration Costs	$ 14,248	$ -	$ -	$ -	$ -	$ 14,248	$ 14,248
29	Total WREGIS	$ 14,248	$ -	$ -	$ -	$ -	$ 14,248	$ 14,248
30	**Total Renewable Energy Costs (L10 + L14 + L23+ L26 + L29)**	**$ 191,303,771**	**$ 211,737,894**	**$ 84,844,936**	**$ (34,643,427)**	**$ (13,881,877)**	**$ 14,209,304**	**$ 85,172,363**

* Allocation Factor based on forecast. System Fuel represents a total company (SPS) amount before allocation among SPS's three jurisdictions. The SunE uneconomic costs are allocated 100% to New Mexico and appear in the RPS Rider.

** For illustration purposes only. Based on the revenue requirement provided on Attachment SNN-12a (Errata) and Attachment SNN-12b (Errata) to the direct testimony of Stephanie N. Niemi in Case No. 20-00238-UT.

Fuel savings attributable to owned wind resources are not reflected here. The illustrative net cost of $17.50/MWh shown here ($49.82-($25*1.292656)) would be the lowest average fuel price at which the project would not be providing fuel savings.

Southwestern Public Service Company
Appendix C: Details of RPS Cost Projections
For the Plan Year 2023

Line No.	Description	$/MWh	PTC Tax Gross Up	Total MWh	NM Allocation MWh	Total Cost	NM Retail Base Rates*	NM Retail Fuel*	RPS Rider
1	**Wind Energy (Excludes RECs)**								
2	San Juan	$ 36.08		255,447	97,648	$ 9,216,535.34	$ -	$ 3,523,156.56	$ -
3	Caprock	$ 35.46		256,506	98,053	$ 9,095,687.16	$ -	$ 3,476,960.56	$ -
4	Mammoth Plains	$ 22.47		845,027	323,024	$ 18,987,762.76	$ -	$ 7,258,352.35	$ -
5	Palo Duro	$ 23.01		1,142,264	436,647	$ 26,279,382.78	$ -	$ 10,045,681.65	$ -
6	**Wind RECs**								
7	San Juan (Less Wholesale Transfers)	$ 1.35			242,303	$ 327,108.69	$ -	$ -	$ 327,108.69
8	Caprock (Less Wholesale Transfers)	$ 1.35			241,303	$ 325,759.02	$ -	$ -	$ 325,759.02
9	Mammoth Plains	$ 1.05			323,024	$ 339,175.34	$ -	$ -	$ 339,175.34
10	Palo Duro	$ 1.05			436,647	$ 458,479.77	$ -	$ -	$ 458,479.77
11	**Owned Wind**								
12	Hale and Sagamore **	$ 49.83		4,230,193	1,617,054	$ 210,775,326.67	$ 80,571,977.23	$ -	$ -
13	Hale and Sagamore PTCs	$ 25.00	1.292656	4,230,193	1,617,054	$(136,704,583.04)	$ -	$ (52,257,343.05)	$ -
14	**Solar**								
15	SunE Economic Energy	$ 37.38		102,028	39,002	$ 3,813,666.67	$ -	$ 1,457,830.33	$ -
16	SunE Uneconomic Energy	$ 110.08			102,028	$ 11,231,351.25	$ -	$ -	$ 11,231,351.25
17	SunE RECs	$ 0.57			102,028	$ 58,155.84	$ -	$ -	$ 58,155.84
18	Roswell Energy Only	$ 39.37		160,256	61,260	$ 6,308,480.98	$ -	$ 2,411,509.90	$ -
19	Roswell RECs	$ 0.57			61,260	$ 34,612.04	$ -	$ -	$ 34,612.04
20	Chaves Energy Only	$ 39.80		163,961	62,677	$ 6,526,197.63	$ -	$ 2,494,735.29	$ -
21	Chaves RECs	$ 0.57			62,677	$ 35,725.66	$ -	$ -	$ 35,725.66
22	**DG**								
23	Projected Payments					$ 463,865.11	$ -	$ -	$ 463,865.11
24	**WREGIS Registration Costs**					$ 13,668.83	$ -	$ -	$ 13,668.83

* Allocation Factor based on forecast. System Fuel represents a total company (SPS) amount before allocation among SPS's three jurisdictions. The SunE uneconomic costs are allocated 100% to New Mexico and appear in the RPS Rider.

** For illustration purposes only. Based on the revenue requirement provided on Attachment SNN-12a (Errata) and Attachment SNN-12b (Errata) to the direct testimony of Stephanie N. Niemi in Case No. 20-00238-UT.
Fuel savings attributable to owned wind resources are not reflected here. The illustrative net cost of $17.51/MWh shown here ($49.83-($25*1.292656)) would be the lowest average fuel price at which the project would not be providing fuel savings.

Southwestern Public Service Company
Appendix C: Details of RPS Cost Projections
For the Plan Year 2024

Line No.	Description	$/MWh	PTC Tax Gross Up	Total MWh	NM Allocation MWh	Total Cost	NM Retail Base Rates*	NM Retail Fuel*	RPS Rider
1	**Wind Energy (Excludes RECs)**								
2	San Juan	$ 37.02		257,780	103,294	$ 9,543,006.35	$ -	$ 3,823,953.01	$ -
3	Caprock	$ 36.38		255,779	102,492	$ 9,305,232.02	$ -	$ 3,728,675.09	$ -
4	Mammoth Plains	$ 22.92		848,828	340,132	$ 19,455,134.55	$ -	$ 7,795,815.88	$ -
5	Palo Duro	$ 23.42		1,147,488	459,807	$ 26,874,752.91	$ -	$ 10,768,911.67	$ -
6	Bonita	$ 19.98		1,053,896	422,304	$ 21,060,913.99	$ -	$ 8,439,263.54	$ -
7	**Wind RECs**								
8	San Juan (Less Wholesale Transfers)	$ 1.35			248,332	$ 335,248.06	$ -	$ -	$ 335,248.06
9	Caprock (Less Wholesale Transfers)	$ 1.35			246,404	$ 332,645.75	$ -	$ -	$ 332,645.75
10	Mammoth Plains	$ 1.05			340,132	$ 357,138.16	$ -	$ -	$ 357,138.16
11	Palo Duro	$ 1.05			459,807	$ 482,797.27	$ -	$ -	$ 482,797.27
12	Bonita	$ 1.05			422,304	$ 443,419.12	$ -	$ -	$ 443,419.12
13	**Owned Wind**								
14	Hale and Sagamore **	$ 49.82		4,249,652	1,702,867	$ 211,737,894.13	$ 84,844,935.56	$ -	$ -
15	Hale and Sagamore PTCs	$ 25.00	1.292656	4,249,652	1,702,867	$ (137,333,416.75)	$ -	$ (55,030,512.81)	$ -
16	**Solar**								
17	SunE Economic Energy	$ 34.24		101,518	40,679	$ 3,475,735.14	$ -	$ 1,392,752.70	$ -
18	SunE Uneconomic Energy	$ 118.09			101,518	$ 11,988,573.40	$ -	$ -	$ 11,988,573.40
19	SunE RECs	$ 0.58			101,518	$ 58,880.71	$ -	$ -	$ 58,880.71
20	Roswell Energy Only - NM Alloc	$ 40.15		158,959	63,696	$ 6,382,215.49	$ -	$ 2,557,400.81	$ -
21	Roswell RECs - NM Alloc	$ 0.58			63,696	$ 37,103.01	$ -	$ -	$ 37,103.01
22	Chaves Energy Only - NM Alloc	$ 40.61		162,369	65,063	$ 6,592,999.34	$ -	$ 2,641,863.45	$ -
23	Chaves RECs - NM Alloc	$ 0.57			65,063	$ 37,196.24	$ -	$ -	$ 37,196.24
24	**DG**								
25	Projected Payments					$ 122,053.76	$ -	$ -	$ 122,053.76
26	**WREGIS Registration Costs**					$ 14,248.15	$ -	$ -	$ 14,248.15

* Allocation Factor based on forecast. System Fuel represents a total company (SPS) amount before allocation among SPS's three jurisdictions. The SunE uneconomic costs are allocated 100% to New Mexico and appear in the RPS Rider.

** For illustration purposes only. Based on the revenue requirement provided on Attachment SNN-12a (Errata) and Attachment SNN-12b (Errata) to the direct testimony of Stephanie N. Niemi in Case No. 20-00238-UT.

Fuel savings attributable to owned wind resources are not reflected here. The illustrative net cost of $17.50/MWh shown here ($49.82-($25*1.292656)) would be the lowest average fuel price at which the project would not be providing fuel savings.

Southwestern Public Service Company
Appendix D: Non-Renewable Facility Information Provided in Accordance with Section 62-16-4 (G) (2) of the REA
For the Historical Year 2021

In accordance with Section 62-16-4 G. (2) of the Renewable Energy Act, SPS is reporting the capital, operating and fuel costs on a per-megawatt-hour basis during the preceding calendar year of each nonrenewable generation resource rate-based by the utility, or dedicated to the utility through a power purchase agreement of one year or longer, and the nonrenewable generation resources' carbon dioxide emissions on a per-megawatt-hour-basis during that same year.

Nonrenewable Generation Resource	Capital Expenditures per MWH [1]	Operating Costs per MWH [2]	Fuel Costs per MWH [2]	CO_2 Emissions MT per MWH [3]
Quay	$0.00	$138.62	$226.77	1.123
Plant X	$12.70	$19.91	$99.95	0.633
Nichols	$16.20	$14.57	$124.16	0.68
Harrington	$2.91	$5.12	$21.14	1.035
Maddox	$14.21	$11.96	$90.07	0.626
Cunningham	$6.17	$8.33	$73.34	0.611
Tolk	$2.78	$6.28	$24.77	1.075
Jones	$6.15	$9.70	$59.45	0.599

Long Term Power Purchase Agreement [4]	Demand Charges per MWH [2]	Energy Charges per MWH [2]	CO_2 Emissions MT per MWH [3]
Borger Energy Associates	$8.09	$42.23	0.23
Lea Power Partners	$15.62	$54.14	0.438
Tokai Carbon	$5.58	$23.03	1.346

[1] Data reported is capital expenditures only. It would be inappropriate to use this data for any type of comparison purposes or meaningful analysis. Capital expenditures does not reflect the long-term nature of capital investment, where benefits and costs are realized over the life of an asset.

[2] Based on data contained in SPS's 2021 FERC Form 1.

[3] Metric Tons per MWH. As reported in SPS's Annual Electric Power Sector Report to the Climate Registry. Each year's report is third-party verified.

[4] SPS has no capital costs or operating costs associated with power purchase agreements. Demand and Energy Costs provided represent SPS's costs paid under each power purchase agreement.

Southwestern Public Service Company
RPS Rider Revenue Requirement Calculation
For Calendar Year 2023

Line No.	Description	2023 Revenue Requirement	(C) Reference/Notes
1	2021 RPS Rider Reconciliation (Over-Recovery)	$ (5,124,884.95)	Report Appendix E (Attachment MAC-2)
2	2021 Rider Interest	5,289.30	Monthly interest (Cust. Dep. Rate)
3	2023 Projected Annual Costs:		
4	DG (Incentive, Admin, and Marketing)	463,865.11	Attachment MAC-3, Appendices B & C
5	WREGIS	13,668.83	Attachment MAC-3, Appendices B & C
6	SunE RECs	58,155.84	Attachment MAC-3, Appendices B & C
7	SunE Uneconomic Costs	11,231,351.25	Attachment MAC-3, Appendices B & C
8	Solar RECs (other than SunE)	70,337.70	Attachment MAC-3, Appendices B & C
9	Wind RECs	1,450,522.83	Attachment MAC-3, Appendices B & C
10	Total Annual Costs (Sum L3 : L9)	$ 13,287,901.56	
11	**Total for RPS Rider Rate (Tariff No. 70) (L1+L2+L10)**	**$ 8,168,305.91**	

Southwestern Public Service Company
RPS Rider Revenue Requirement Calculation - Projected
For Calendar Year 2024

Line No.	Description	2024 Revenue Requirement	(C) Reference/Notes
1	Projected 2022 RPS Rider Reconciliation	$ (5,124,884.95)	Assumed to be the same as 2023
2	2022 Rider Interest	5,289.30	Assumed to be the same as 2023
3	2024 Projected Annual Costs:		
4	DG (Incentive, Admin, and Marketing)	$ 122,053.76	Attachment MAC-3, Appendices B & C
5	WREGIS	14,248.15	Attachment MAC-3, Appendices B & C
6	SunE RECs	58,880.71	Attachment MAC-3, Appendices B & C
7	SunE Uneconomic Costs	11,988,573.40	Attachment MAC-3, Appendices B & C
8	Solar RECs (other than SunE)	74,299.25	Attachment MAC-3, Appendices B & C
9	Wind RECs	1,951,248.36	Attachment MAC-3, Appendices B & C
10	Total Annual Costs (Sum L3: L9)	$ 14,209,303.62	
11	**Total for RPS Rider Rate (Tariff No. 70) (L1+L2+L10)**	**$ 9,089,707.97**	

SOUTHWESTERN PUBLIC SERVICE COMPANY

SECOND REVISED RATE NO. 76 X
CANCELING FIRST REVISED RATE NO. 76 X

SOLAR*CONNECT COMMUNITY RATE RIDER

APPLICABILITY: This rate rider is available as an option to all Customers taking retail electric service from Company.

This tariff defines the procedure by which the Solar*Connect Rate Rider may be annually updated subject to the jurisdiction of the New Mexico Public Regulation Commission ("Commission"). The annual update Solar*Connect Rate Rider procedure will not become effective until an Informational Filing is made, as discussed herein.

This rate rider shall at all times be subject to change or modification by order of the Commission or successor agency.

TERRITORY: Area served by Company in New Mexico.

DEFINITIONS:

Solar*Connect Allocation: The share of Solar*Connect Resource that a subscriber has signed up for, measured in kW.

Solar*Connect Charge: ~~For calendar year 2021, the Solar*Connect Charge is $39/MWh ($0.039/kWh).~~ X

~~Following calendar year 2021, the Solar*Connect Charge will be increased two percent (2%) per calendar year, which will take effect beginning January 1 of each calendar year.~~ X X X

For calendar year 2023, the Solar*Connect Charge is $40.31/MWh ($0.04031/kWh). X X

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Advice Notice No. */s/ Brooke A. Trammell*	
REGIONAL VICE PRESIDENT – REGULATORY & PRICING	

SOUTHWESTERN PUBLIC SERVICE COMPANY

SECOND REVISED RATE NO. 76 X
CANCELING FIRST REVISED RATE NO. 76 X

SOLAR*CONNECT COMMUNITY RATE RIDER

DEFINITIONS (cont.):

Solar*Connect Credit: The value, on a $/kWh basis, of fossil fuel, variable operating and maintenance costs, and purchased energy that is expected to be saved through the addition of solar generation to the Company system, based on a methodology approved by the Commission as may be changed subsequently by the Commission. The Solar*Connect Credit will be updated annually. The Solar*Connect Credit for 2023 is $35.54/MWh ($.03554/kWh). X

Solar*Connect Resource: A long-term PPA between Company and SoCore Clovis 1 LLC ("SoCore") for the purchase of all of the capacity and net energy, including renewable energy certificates ("RECs"), from a 1.98 MWac solar-powered electric generating facility to be developed by SoCore and located near Clovis, New Mexico.

Solar*Connect Subscriber: A Customer of the Company who subscribes to receive additional photovoltaic energy through the Solar*Connect Rate Rider.

Solar*Connect Subscriber Monthly Generation: The product of the total monthly Solar*Connect Resource generation in kWh and a Solar*Connect Subscriber's Capacity Ratio.

Solar*Connect Subscriber Monthly Premium: The net cost of a customer's Solar*Connect Subscriber Monthly Generation—the Solar*Connect Subscriber's total monthly Solar*Connect Charge less the subscriber's total monthly Solar*Connect Credit.

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Advice Notice No. */s/ Brooke A. Trammell*	
REGIONAL VICE PRESIDENT – REGULATORY & PRICING	

SOUTHWESTERN PUBLIC SERVICE COMPANY

SECOND REVISED RATE NO. 76 X
CANCELING FIRST REVISED RATE NO. 76 X

SOLAR*CONNECT COMMUNITY RATE RIDER

Solar*Connect Subscriber Capacity Ratio: The ratio of a Solar*Connect Subscriber's Solar*Connect Allocation to the total capacity of the Solar*Connect Resource.

SUBSCRIPTIONS: Customers will have the option to purchase a minimum of 0.5 kW of the capacity (with 0.1 kW increments available above the minimum) of the Solar*Connect Resource.

Solar*Connect Subscribers have the right to increase their subscription option at any point during their obligation term without penalty, so long as there is available unsubscribed capacity from the Solar*Connect Resource for the subscription.

The Solar*Connect Rate Rider will be temporarily closed to new Solar*Connect Subscribers when the Solar*Connect Resource is fully subscribed.

DETERMINATION OF SOLAR*CONNECT SUBSCRIBER MONTHLY PREMIUM: The Solar*Connect Subscriber Monthly Premium for individual subscribers will be determined as follows:

Solar*Connect Subscriber Monthly Premium = (A x B) – (B x C), where:

A = Solar*Connect Charge ($/kWh)

B = Solar*Connect Subscriber Monthly Generation (kWh)

C = Solar*Connect Credit ($/kWh)

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Advice Notice No. */s/ Brooke A. Trammell*	
REGIONAL VICE PRESIDENT – REGULATORY & PRICING	

SOUTHWESTERN PUBLIC SERVICE COMPANY

SECOND REVISED RATE NO. 76
CANCELING FIRST REVISED RATE NO. 76

X
X

SOLAR*CONNECT COMMUNITY RATE RIDER

CONTRACT PERIOD: A minimum of one year for residential customers. Month to month thereafter. After a residential contract has been in effect for one year or more, a customer can cancel the contract with one month prior notification to the Company.

CONTRACT PERIOD (cont.):
When a participating Solar*Connect Subscriber ends service at one address and starts electric service at a new address within Company's service territory, that subscriber's Solar*Connect subscription will automatically transfer to the new address. In the event that the Solar*Connect Subscriber chooses to cancel a subscription, the Solar*Connect Subscriber may do so by notifying the Company prior to a move.

ANNUAL SOLAR*CONNECT RATE RIDER UPDATE FILINGS:

1. **Filing Date:** Each year, beginning in 2020, Company shall file an Informational Filing in conjunction with its annual Renewable Portfolio Standard proceeding. The Informational Filing will contain:
   a. The updated Solar*Connect Credit for the upcoming calendar year.

2. **Review Period:**
   a. The Commission Staff and intervenors shall receive a copy of the Informational Filing.
   b. The scope of review will be limited to:
      i. whether SPS has properly applied the Commission-approved methodology for calculating the updated Solar*Connect Credit;
      ii. whether the data included in the informational filing is accurate;
      iii. the amount of subsidization by non-participants for the previous year; and

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Advice Notice No.	
/s/ Brooke A. Trammell	
REGIONAL VICE PRESIDENT – REGULATORY & PRICING	

SOUTHWESTERN PUBLIC SERVICE COMPANY

SECOND REVISED RATE NO. 76 X
CANCELING FIRST REVISED RATE NO. 76 X

SOLAR*CONNECT COMMUNITY RATE RIDER

iv. the actual number of participants and the subscription levels for the previous year.

c. Commission staff and intervenors will formally communicate any issues ("Disputed Issues") in writing to Company and other parties.

ANNUAL SOLAR*CONNECT RATE RIDER UPDATE FILINGS (cont.):

3. <u>Effectiveness of updated Solar*Connect Rate Rider</u>:

a. The updated Solar*Connect Rate Rider will become effective upon the issuance of a final order by the Commission, but no later than January 1 of the following year.

TAX ADJUSTMENT: Billings under the rate rider may be increased by an amount equal to the sum of the taxes payable under the Gross Receipts and Compensating Tax Act and of all other taxes, fees, or charges (exclusive of ad valorem, state, and federal income taxes) payable by the utility and levied or assessed by any governmental authority on the public utility service rendered, or on the right of privilege of rendering the service, or on any object or event incidental to the rendition of the service.

LINE EXTENSIONS: Company will make line extensions in accordance with its standard line extension policy.

FRANCHISE FEE: All current and future franchise fees not included in base rates shall be separately assessed in the municipality where the excess franchise fee is authorized. Bills computed under the above rate will be increased by the additional franchise fees imposed by the appropriate municipality or taxing

SOUTHWESTERN PUBLIC SERVICE COMPANY

SECOND REVISED RATE NO. 76 X
CANCELING FIRST REVISED RATE NO. 76 X

SOLAR*CONNECT COMMUNITY RATE RIDER

authority in which Customer's consuming facility resides, when applicable. The franchise fee will appear on the bill as a separate item.

RULES, REGULATIONS AND CONDITIONS OF SERVICE: Service supplied under this schedule is subject to the terms and conditions set forth in Company's Rules, Regulations and Conditions of Service on file with Commission.

306	X
Advice Notice No. */s/ Brooke A. Trammell*	
REGIONAL VICE PRESIDENT – REGULATORY & PRICING	

Workpapers

Attachment MAC-6 is provided in native format

SPS Annual RPS Approvals

Case No. 14-00198-UT, *In the Matter of Southwestern Public Service Company's Application Requesting: (1) Acceptance of its 2013 Annual Renewable Portfolio Report; (2) Approval of its Annual Renewable Energy Portfolio Procurement Plan for 2015; and (3) Other Associated Relief,* Final Order (Dec. 10, 2014);

Case No. 15-00208-UT, *In the Matter of Southwestern Public Service Company's Application Requesting: (1) Acceptance of its 2014 Annual Renewable Portfolio Report; (2) Approval of its Annual Renewable Energy Portfolio Procurement Plan for 2016; and (3) Other Associated Relief,* Final Order (Dec. 16, 2015);

Case No. 16-00183-UT, *In the Matter of Southwestern Public Service Company's Application Requesting: (1) Acknowledgement of its Filing of its 2015 Annual Renewable Portfolio Report; (2) Approval of its Annual Renewable Energy Portfolio Procurement Plan for Plan Year 2017; (3) Approval of the Proposed Rate for its 2017 Renewable Portfolio Standard Rider; (4) Approval of its Proposal to Calculate the Avoided Energy Related to the SunEdison, LLC Purchased Power Agreements; and (5) Other Associated Relief,* Final Order Adopting Recommended Decision (Dec. 14, 2016);

Case No. 17-00161-UT, *In the Matter of Southwestern Public Service Company's Application Requesting: (1) Acknowledgement of its Filing of its 2016 Annual Renewable Portfolio Report; (2) Approval of its Annual Renewable Energy Portfolio Procurement Plan for Plan Year 2018; (3) Approval of the Proposed Rate for its 2018 Renewable Portfolio Standard Rider; (4) Approval of Variance from Requirements of Rule 572.14(C)(1) NMAC; and (5) Other Associated Relief,* Final Order Adopting Recommended Decision (Dec. 13, 2017);

Case No. 18-00201-UT, *In the Matter of Southwestern Public Service Company's Application Requesting: (1) Acknowledgment of its filing of the 2017 Annual Renewable Energy Portfolio Report; (2) Approval of its Annual Renewable Energy Portfolio Procurement Plan for Plan Year 2019; (3) Approval of the Proposed Rate for its 2019 Renewable Portfolio Standard Rider; (4) Approval of its Proposed Treatment of Renewable Energy Certificates Associated with the Sagamore and Hale Wind Facilities; and (5) Other Associated Relief,* Final Order Adopting Recommended Decision (Dec. 12, 2018).

Case No. 19-00134-UT, *In the Matter of Southwestern Public Service Company's Application Requesting: (1) Acknowledgment of its filing of the 2018 Annual Renewable Energy Portfolio Report; (2) Approval of its Annual Renewable Energy Portfolio Procurement Plan for Plan Year 2020; (3) Approval of the Proposed Rate for its 2020 Renewable Portfolio Standard Rider; (4) Other Associated Relief,* Final Order Adopting Recommended Decision (Apr. 22, 2020).

Case No. 20-00143-UT, *In the Matter of Southwestern Public Service Company's Annual 2021 Renewable Energy Portfolio Procurement Plan and Requested Approval Therein; Proposed 2021 Renewable Portfolio Standard Cost and Reconciliation Riders; Application for an RPS Incentive; and Other Associated Relief,* Final Order Adopting Recommended Decision with Modification to Decretal Paragraph K (Dec. 16, 2020).

Case No. 21-00172-UT, *In the Matter of Southwestern Public Service Company's Annual 2022 Renewable Energy Portfolio Procurement Plan and Requested Approval Therein; Proposed 2022 Renewable Portfolio Standard Cost and Reconciliation Riders; Application for an RPS Incentive; and Other Associated Relief,* Final Order Adopting Recommended Decision (Dec. 8, 2021).