

BEFORE THE NEW MEXICO PUBLIC REGULATION COMMISSION

IN THE MATTER OF SOUTHWESTERN	)	
PUBLIC SERVICE COMPANY'S	)	
ANNUAL 2022 RENEWABLE ENERGY	)	
PORTFOLIO PROCUREMENT PLAN	)	
AND REQUESTED APPROVALS	)	
THEREIN; PROPOSED 2022	)	
RENEWABLE PORTFOLIO STANDARD	)	
COST AND RECONCILIATION RIDERS;	)	CASE NO. 21-00__-UT
APPLICATION FOR AN RPS	)	
INCENTIVE; AND OTHER	)	
ASSOCIATED RELIEF,	)	
	)	
	)	
SOUTHWESTERN PUBLIC SERVICE	)	
COMPANY,	)	
	)	
APPLICANT.	)	

DIRECT TESTIMONY

of

MARIO A. CONTRERAS

on behalf of

SOUTHWESTERN PUBLIC SERVICE COMPANY

July 1, 2021

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GLOSSARY OF ACRONYMS AND DEFINED TERMS

<u>Acronym/Defined Term</u>	<u>Meaning</u>
2020 RPS Report	SPS's 2020 Annual Renewable Energy Portfolio Report
2022 RPS Rider	SPS's proposed 2022 Renewable Portfolio Standard Rate Rider
Caprock	Caprock Wind LP
Chaves	Chaves County Solar, LLC
Commission	New Mexico Public Regulation Commission
DG	Distributed Generation
ETA	Energy Transition Act
FPPCAC	fuel and purchased power cost adjustment clause
LCOE	Levelized Cost of Energy
Mammoth	Mammoth Plains Wind Project Holdings, LLC
MWh	megawatt-hour
Next Plan Year	SPS's Filing for Plan Year 2023
Palo Duro	Palo Duro Wind Energy, LLC
Plan Year	SPS's Filing for Plan Year 2022
PPA	Purchased Power Agreement
QF	Qualifying Facility
RCT	Reasonable Cost Threshold
REA	Renewable Energy Act (NMSA 1978, §§ 62-16-1 to 62-16-10) (2019)

<u>Acronym/Defined Term</u>	<u>Meaning</u>
REC	Renewable Energy Certificate
Roswell	Roswell Solar, LLC
RPS	Renewable Portfolio Standard
RPS Plan or 2022 RPS Plan	SPS's RPS Plan for 2022 Plan Year and 2023 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

<u>Attachment</u>	<u>Description</u>
MAC-1	RPS Rule 572 “Road Map”
MAC-2	SPS’s Annual Renewable Energy Portfolio Report for 2020
MAC-3	SPS’s 2021 Filing of the Annual Renewable Energy Act Plan for 2022 Plan Year and 2023 Next Plan Year
MAC-4	Revenue Requirement for 2022 Plan Year and 2023 Next Plan Year
MAC-5	Workpapers
MAC-6	List of SPS’s Annual RPS filings approved by the Commission

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of
Mario A. Contreras

1 **I. WITNESS IDENTIFICATION AND QUALIFICATIONS**

2 **Q. Please state your name and business address.**

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

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

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

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

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

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

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

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

3 **Q. Please describe your educational background.**

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

8 **Q. Please describe your professional experience.**

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

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1 applications before both the New Mexico Public Regulation Commission
2 (“Commission”) and the Public Utility Commission of Texas. I joined SPS in
3 2016 as Manager, Rate Cases.

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 Renewable Portfolio Standard (“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 2022 Plan Year (“Plan Year”), in compliance with Rule 572.14, as well as the 2023 Next Plan Year (“Next Plan Year”) (the filing is referred to herein as the “RPS Plan” or “2022 RPS Plan”);
- acknowledge the concurrent filing of SPS’s 2020 Annual Renewable Energy Portfolio Report (“2020 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 2020 RPS Rate Rider, through SPS’s proposed 2022 RPS Rate Rider (“2022 RPS Rider”) and SPS’s proposed 2022 Reconciliation Rider;
- address SPS’s compliance with prior Commission orders;
- present SPS’s 2022 Solar*Connect premium, consistent with the final order in Case No. 18-00308-UT;

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1 • support SPS's application for an incentive related to exceeding the RPS
2 requirements and request for a variance from Rule 572.22.D; and

3 • present SPS's requested approvals in this proceeding.

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

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

8 **Q. Please summarize the conclusions reached in your testimony.**

9 A. SPS's RPS Plan is consistent with the goals and intent of the REA and Rule 572
10 and in the public interest. Accordingly, the RPS Plan, the 2022 RPS Rider, and
11 2022 Reconciliation Rider should be approved. Moreover, SPS has met the
12 requirements in Rule 572 for a financial incentive to exceed the current renewable
13 portfolio standard and its proposal for a financial incentive is just and reasonable
14 and should be approved along with the associated Renewable Performance Rider.

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

17 A. SPS is presenting the following witnesses:

18 • **Ben R. Elsey:** provides SPS's projected RPS compliance position for
19 each of the years 2022 through 2031 and demonstrates that based on SPS's
20 current projections, SPS can meet the minimum RPS requirements. Mr.

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1 Elsey also presents the “cost of the measure” SPS will take to exceed the
2 current renewable portfolio standard and demonstrates that SPS’s proposal
3 for a financial incentive will result in SPS acquiring renewable energy
4 generation sooner than is currently planned.

5 • **Sydney M. Lieb:** presents the carbon emissions analysis required by
6 17.9.572.22.D in order to qualify for a financial incentive.

7 • **Richard M. Luth:** presents the 2022 RPS Rider rate and the 2022 RPS
8 Reconciliation Rider rate for the reconciliation of the 2020 RPS Rider.
9 Mr. Luth also presents a rider mechanism to recover SPS’s proposed
10 financial incentive.

11 **Q. Were Attachments MAC-1 through MAC-6 prepared by you or under your**
12 **direct supervision and control?**

13 **A. Yes.**

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1 **III. OVERVIEW OF THE REA AND RULE 572**

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

3 A. The REA establishes the following minimum renewable energy requirements, as a
4 percentage of New Mexico retail sales, for SPS and other investor-owned utilities
5 in New Mexico: (i) 20% no later January 1, 2020; (ii) 40% no later than January
6 1, 2025; (iii) 50% no later than January 1, 2030; and (iv) 80% no later than
7 January 1, 2040. In addition, no later than January 1, 2045, zero carbon resources
8 shall supply 100% of all retail sales of electricity in New Mexico.¹

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

11 A. Yes. The REA recognizes that meeting these increased requirements will not
12 come without challenges. In recognition of these challenges the REA provides
13 several important provisions. First, the REA clearly recognizes both the
14 importance of taking of market opportunities and the “lumpiness” of capacity
15 additions, by providing mandates that are minimums and that can be met “no later
16 than”. Additionally, utilities are required to make reasonable and consistent

¹ 1987, NMSA § 62-16-4(A).

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1 progress over time toward meeting these requirements.² Moreover, utilities are
2 *encouraged* to exceed the applicable standards.³

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

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

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

14 A. The REA provides a Reasonable Cost Threshold ("RCT"); whereby, if a public
15 utility finds that if in any given year the cost of renewable energy that would need
16 to be procured or generated for purposes of compliance with the RPS would be

² 1987, NMSA § 62-16-4(A)(6).

³ See Section 62-16-4(D).

⁴ See Section 62-16-4(B)(2) and (3).

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1 greater than the RCT, the public utility is not required to incur that cost.⁵ In
2 effect, the RCT is a benchmark that balances the: (i) interests of customers to be
3 protected from undue cost increases caused by the RPS; against (ii) potential
4 benefits of the renewable resources.

5 **Q. How is the RCT defined?**

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

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

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

14 As it relates to the specific data and analysis requirements of Rule 572,
15 please refer to Attachment MAC-1, which: (1) provides an outline of the Rule
16 572 requirements; and (2) identifies where in the 2021 RPS Plan the requirements

⁵ See Section 62-16-4(E)

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1 are addressed.⁶ In addition, Mr. Elsey co-sponsors Plan Sections II(A), II(B),
2 II(E), II(H), and III.

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

5 [https://www.xcelenergy.com/company/rates_and_regulations/filings/new_me](https://www.xcelenergy.com/company/rates_and_regulations/filings/new_mexico_renewable_portfolio_standard)
6 [xico_renewable_portfolio_standard](https://www.xcelenergy.com/company/rates_and_regulations/filings/new_mexico_renewable_portfolio_standard).

7 **Q. Did SPS comply with all requirements for its RPS Report as set forth in Rule**
8 **572?**

9 A. Yes. SPS has concurrently filed its 2020 RPS Report. For ease of reference, I
10 have provided a copy as Attachment MAC-2.

11 **Q. Is SPS requesting any new procurements in this filing?**

12 A. No; therefore, Rule 572.13, 572.14.B(2), (7), (8), (11), and (12) are not applicable
13 to this plan.

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

15 A. Yes. Section 62-16-4(G) requires certain information to be filed by a utility as
16 part of a procurement plan. Since SPS is not proposing any new procurements,

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

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1 the procurement plan does not include information required by Section 62-16-
2 4(G)(1) and (3) which state requirements regarding proposed procurements. I
3 address G(2) later in my testimony and Section III of SPS's RPS Plan
4 (Attachment MAC-3) addresses G(2) as well. Section (G)(4) is addressed in
5 Section II.H of SPS's RPS Plan (Attachment MAC-3).

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IV. SPS's RPS PLAN

1
2 **Q. What do you discuss in this section of your testimony?**

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

7 **Q. Please describe SPS's RPS Plan.**

8 A. Consistent with Rule 572, the RPS Plan contains the following: (1) a description
9 and schedule demonstrating that SPS has sufficient renewable resources to satisfy
10 its overall RPS requirement for the Plan Year and Next Plan Year; (2) a
11 description of SPS's proposed mechanism for cost recovery of its 2022 renewable
12 energy and other RPS-related costs; and (3) a comparison of the RPS Plan to the
13 Integrated Resource Plan.

14 **Q. Does SPS request for an incentive impact the RPS Plan?**

15 A. No. SPS's incentive proposal in this filing is not for additional procurements
16 during the 2022 and 2023 Plan Years and does not change the RPS Plan costs.

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1 **Q. What are SPS’s minimum Plan Year and Next Plan Year RPS requirements?**

2 A. The REA and Rule 572.10 require SPS to supply no less than 20% of SPS’s New
3 Mexico retail energy sales by renewable energy, for the Plan Year and Next Plan
4 Year. *See* Rule 572.10(B)(2). Based on SPS’s projected Plan Year and Next Plan
5 Year New Mexico retail sales, SPS’s overall RPS requirement for the Plan Year
6 and Next Plan Year are 1,647,424 MWh and 1,743,097 MWh, respectively. *See*
7 Appendix A to the Plan.

8 **A. Plan Year**

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

11 A. In the Plan Year, SPS will continue to purchase both energy and Renewable
12 Energy Certificates (“REC”) from the Caprock Wind LP (“Caprock”) and San
13 Juan Mesa Wind Project LLC (“San Juan”) wind facilities.⁷ SPS will also
14 continue to purchase energy and RECs through the SunEdison, LLC (“SunE”)
15 Purchased Power Agreements (“PPA”) and its Distributed Generation (“DG”)

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.

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1 programs. As approved in Case No. 20-00143-UT,⁸ as of January 1, 2022, SPS
2 will begin purchasing the New Mexico retail allocation of the RECs associated
3 with the following renewable energy PPAs: (i) Roswell Solar, LLC (“Roswell”);
4 (ii) Chaves County Solar, LLC (“Chaves”); (iii) Mammoth Plains Wind Project
5 Holdings, LLC (“Mammoth”); and (iv) Palo Duro Wind Energy, LLC (“Palo
6 Duro”). In addition, consistent with the Commission’s Final Order in Case No.
7 18-00201-UT, SPS will apply the New Mexico energy allocation of the Sagamore
8 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”.

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

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

6 **B. Next Plan Year**

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

8 A. In the Next Plan Year, SPS's projects its overall RPS requirement to be 1,743,097
9 MWh (*see* Attachment MAC-3, Appendix A, page 2).

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

12 A. Similar to the Plan Year, in the Next Plan Year, SPS expects to continue to
13 purchase both energy and RECs from the Caprock and San Juan wind facilities.
14 Additionally, SPS expects to continue to purchase energy and RECs through the
15 SunE PPAs and its DG programs. SPS will continue purchasing the New Mexico
16 retail allocation of the RECs associated with the following renewable energy
17 PPAs: (i) Roswell; (ii) Chaves; (iii) Mammoth; and (iv) Palo Duro. In addition,
18 SPS will apply the New Mexico energy allocation of both the Sagamore and Hale

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1 wind facilities' RECs to its overall RPS compliance obligations. Additionally,
2 SPS expects to utilize wind RECs from the Mesalands QF in the Next Plan Year.

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

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

8 **Q. Is the RPS Plan in the public interest?**

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

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1 **V. PROJECTED COSTS AND RECOVERY**

2 **A. Plan Year and Next Plan Year Costs**

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

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

- 6 1. Wind energy costs from the San Juan, Caprock, Mesalands, Mammoth,
7 and Palo Duro wind facility PPAs. These costs are allocated among SPS's
8 three jurisdictions and recovered through SPS's fuel and purchased power
9 cost adjustment clause ("FPPCAC"). Because Mesalands is a QF without
10 a firm PPA, no costs have been estimated.
- 11 2. Wind REC costs from the San Juan, Caprock, Mammoth and Palo Duro
12 wind facilities. As approved in Case No. 20-00143-UT, these costs will
13 be directly assigned to SPS's New Mexico retail jurisdiction and
14 recovered through the RPS Rider.
- 15 3. Sagamore and Hale wind facilities costs. These costs and offsetting
16 production tax credits are allocated among SPS's three jurisdictions in
17 base rates and fuel.
- 18 4. Solar economic energy costs from the SunE PPAs. These costs are
19 allocated among SPS's three jurisdictions and recovered through fuel.
- 20 5. Solar uneconomic energy costs from the SunE PPAs. These costs are
21 directly assigned to SPS's New Mexico retail jurisdiction and recovered
22 through the RPS Rider.
- 23 6. Solar RECs from the SunE PPAs. These costs are directly assigned to
24 SPS's New Mexico retail jurisdiction and recovered through the RPS
25 Rider.

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- 1 7. Solar energy costs from the Roswell and Chaves Solar PPAs. These costs
2 will continue to be allocated among SPS's three jurisdictions and
3 recovered through SPS's FPPCAC.
- 4 8. Roswell and Chaves RECs (New Mexico Retail allocation). As approved
5 in Case No. 20-00143-UT, these REC costs will be directly assigned to
6 SPS's New Mexico retail jurisdiction and recovered through the RPS
7 Rider.
- 8 9. DG program and administrative costs. These costs are directly assigned to
9 SPS's New Mexico retail jurisdiction and recovered through the RPS
10 Rider.
- 11 10. Western Renewable Energy Generation Information System ("WREGIS")
12 costs. These costs are directly assigned to SPS's New Mexico retail
13 jurisdiction and recovered through the RPS Rider.

14 **Q. What are the Plan Year estimated costs?**

- 15 A. The Plan Year cost estimates, both for economic energy and incremental RPS
16 costs,¹⁰ are summarized in Attachment MAC-3, Appendix B, page 1. In total,
17 projected Plan Year renewable energy costs are \$185,775,968 (total company)
18 (column A, line 28). Of the total, \$74,653,835 are assigned to New Mexico retail
19 customers (column G, line 28); with \$(23,508,580) recovered through fuel
20 (column E, line 28); \$82,636,346 recovered through New Mexico retail base rates

¹⁰ 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.

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1 (page 1, column C, line 28); and \$15,526,070 (column F, line 28) through the
2 2022 RPS Rider.

3 **Q. What are the Next Plan Year estimated costs?**

4 A. The Next Plan Year cost estimates, both for economic energy and incremental
5 RPS costs,¹¹ are summarized in Attachment MAC-3, Appendix B, page 2. In
6 total, projected Next Plan Year costs are \$188,508,470 (total company) (column
7 A, line 28). Of the total, \$79,294,450 are assigned to New Mexico retail
8 customers (column G, line 28); with \$(24,975,379) recovered through fuel (page
9 2, column E, line 28); \$88,682,973 (page 2, column C, line 28) recovered through
10 New Mexico retail base rates; and \$15,586,856 (page 2, column F, line 28)
11 through the RPS Rider.

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

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

16 1. Wind Energy Costs: Projected MWh production multiplied by the
17 applicable year contract costs less the Commission-established wind REC

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.

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- 1 price (currently, \$1.35/MWh for San Juan and Caprock) (lines 2-3),
2 projected MWh production multiplied by the applicable year contract
3 costs for Mammoth and Palo Duro (lines 4-5);
- 4 2. Wind RECs: Projected MWh production, less wholesale transfers,
5 multiplied by the Commission-established wind REC price (currently,
6 \$1.35/MWh for San Juan and Caprock) (lines 7-8); projected MWh
7 production multiplied by REC option price in contracts for Mammoth
8 Plains and Palo Duro (lines 9-10);
- 9 3. Hale and Sagamore (owned) Wind Facility Costs: Projected MWh
10 production multiplied by the estimated net costs (lines 12-13);
- 11 4. SunE Solar Economic Energy: Projected MWh production multiplied by
12 the economic costs on a \$/MWh basis (as a part of the total applicable year
13 contract costs) (line 15);
- 14 5. SunE Solar Uneconomic Energy: Projected MWh production multiplied
15 by the uneconomic costs on a \$/MWh basis (as a part of the total
16 applicable year contract costs) (line 16);
- 17 6. SunE Solar RECs: Projected MWh production multiplied by solar REC
18 price established in Case No. 20-00143-UT (line 17);
- 19 7. Roswell and Chaves Solar Economic Energy: Projected MWh production
20 multiplied applicable year contract costs (lines 18 and 20);
- 21 8. Roswell and Chaves Solar RECs: MWh production multiplied by REC
22 option price in contracts (lines 19 and 21);
- 23 9. DG Expenses: Currently-installed DG program production, adjusted for
24 annual degradation, multiplied by applicable incentive payments (line 23);
25 and
- 26 10. WREGIS: Plan Year and Next Plan Year transactions multiplied by cost
27 per transactions (line 24).

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1 **B. Cost Recovery Standards**

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

3 A. The REA provides that:

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

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

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

13 **C. Cost Recovery**

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

15 A. The costs will be recovered through a combination of base rates, fuel, the RPS
16 Rider,¹³ and the RPS Reconciliation Rider. Specifically, economic wind and solar

¹² 1987, NMSA § 62-16-6(A).

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*.

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1 energy costs from the PPAs and owned facilities will be allocated among and
2 collected from SPS's New Mexico retail, Texas retail, and wholesale customers
3 on a proportional basis through base rates and the FPPCAC. The remaining costs
4 will be collected through SPS's Plan Year and Next Plan Year RPS Riders and
5 RPS Reconciliation Riders.

6 a. 2022 RPS Rider

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

8 A. Yes. In Case No. 12-00350-UT the Commission approved SPS's RPS Rider and
9 authorized recovery of costs for calendar year 2014. In each subsequent annual
10 RPS filing, the Commission approved SPS's annual RPS Rider revenue
11 requirements, resulting rates, and cost recovery.¹⁴ Similarly, in this case, I have
12 prepared a 2022 RPS Rider revenue requirement and Mr. Luth provides the
13 resulting rates. I have provided an estimated 2023 revenue requirement for
14 informational purposes. SPS will present its 2023 RPS Rider revenue
15 requirement, for Commission approval, in its next RPS filing (to be filed by July
16 1, 2022).

¹⁴ See Attachment MAC-6 for a list of SPS's Annual RPS filings approved by the Commission.

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1 **Q. What is SPS's 2022 RPS Rider revenue requirement?**

2 A. As detailed in Attachment MAC-4, page 1, SPS's total proposed 2022 revenue
3 requirement is approximately \$18,984,668 (line 14). The reconciliation of the
4 2020 RPS Rider is a component of the 2022 RPS Revenue Requirement because
5 those costs are associated with a time period after elimination of the large
6 customer cap.

7 **Q. Please describe the reconciliation of the 2020 RPS Rider.**

8 A. Please refer to Appendix E of Attachment MAC-2 for the detailed reconciliation.
9 The 2020 RPS Rider included not only a projection of 2020 RPS costs (column A,
10 lines 11-15), but recovery of Commission-approved uncollected costs which had
11 been deferred and placed into regulatory assets. The prior period costs had been
12 deferred over several years, and thus the costs were amortized to mitigate
13 customer bill impacts (column A, lines 6-8) (i.e., only a portion of the deferred
14 costs was collected in prior years).

15 Because the costs were projected, it was first necessary to determine the
16 actual costs, which are presented in column B. The difference between the
17 projected and actual costs was \$1.3 million. The material difference is the result

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1 of the SunE PPAs being more uneconomic than forecasted (line 14 - \$1.1
2 million).

3 Next, the revenues received from the 2020 RPS Rider (column C, line 17 -
4 \$11.6 million) were compared to the actual costs (column B, line 17 - \$15.1
5 million) to determine the line item over- or under-recoveries (column D). When
6 the actual costs were compared to actual revenues, the net result is an
7 under-collection of \$3.5 million (column D, line 17).

8 **Q. Has SPS determined the 2022 RPS Rider rate?**

9 A. Yes. Using the 2022 RPS Rider revenue requirement, Mr. Luth calculates the
10 2022 RPS Rider rates. The calculations are presented by Mr. Luth in his direct
11 testimony.

12 *b. 2022 RPS Reconciliation Rider*

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

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

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1 **Q. Please describe the reconciliation of the 2020 RPS Reconciliation Rider.**

2 A. Please refer to Appendix E of Attachment MAC-2 (lines 1-4) for the detailed
3 reconciliation. Because the costs were projected, it was first necessary to
4 determine the actual costs, which are presented in column B. The difference
5 between the projected and actual costs was \$1.0 million.

6 Next, the revenues received from the 2020 RPS Reconciliation Rider
7 (column C, line 4 – (\$432,158)) were compared to the actual costs (column B,
8 line 4 - \$115,944) to determine the line item over- or under recoveries (column
9 D). When the actual costs were compared to actual revenues, the net result is an
10 under collection of \$548,102 (column D, line 4). The under-collection net of
11 interest is collected under the 2022 RPS Reconciliation Rider rate with an
12 appropriate, updated interest amount. The total 2022 revenue requirement for the
13 RPS Reconciliation Rider is approximately \$494,899 as detailed in Attachment
14 MAC-4, page 1, (line 3).

15 **Q. Has SPS determined the 2022 RPS Reconciliation Rider rate?**

16 A. Yes. Mr. Luth calculates the 2022 RPS Reconciliation Rider rate using the
17 reconciliation of the 2020 RPS Reconciliation Rider and associated interest. The
18 calculations are presented by Mr. Luth in his direct testimony.

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1 **VI. COMPLIANCE WITH PRIOR COMMISSION ORDERS**

2 **Q. Is SPS requesting any variances from prior Commission Orders in this**
3 **filing?**

4 **A.** No, SPS is not requesting any variances from prior Commission Orders for its
5 Plan or Report. In SPS's last RPS Case, Case No. 20-00143-UT, SPS requested
6 permanent variances from prior Commission Orders that no longer applied after
7 the passage of the Energy Transition Act ("ETA").¹⁵ The Commission's Final
8 Order in Case No. 20-00143-UT granted SPS permanent variances from the
9 following requirements:

- 10 a. The requirement from the Final Order Partially Adopting
11 Recommended Decision in Case No. 13-00222-UT that, beginning
12 with its 2015 renewable energy act plan filing, SPS apply the Large
13 Customer Adjustment;
- 14 b. The requirement from the Final Order Partially Adopting
15 Recommended Decision in Case No. 13-00222-UT that "SPS shall not
16 make further procurements until its surplus RECs are retired against its
17 RPS requirement or explicitly authorized to expire by the
18 Commission[;]"
- 19 c. The requirement from the Final Order Adopting Recommended
20 Decision in Case No. 18-00201-UT that, beginning when SPS is no
21 longer procuring RECs beyond its RPS compliance requirement, it

¹⁵ SPS also requested permanent variances from Rule 572; however, Rule 572 has since been amended and those specific variances are no longer applicable.

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1 shall recover all of its RPS compliance costs through its RPS Cost
2 Rider and use gross cost to calculate the Large Customer Adjustment;

3 d. The requirement of the Final Orders in Case Nos. 04-00334-UT, 05-
4 00354-UT, and 06-00360-UT that, in its annual renewable energy
5 procurement plans, SPS evaluate non-wind renewable energy
6 resources available in its service territory until the Commission
7 determines that its portfolio satisfies the diversity requirement of the
8 REA; and

9 e. The requirement of the Final Order in Case No. 05-00271-UT that
10 requires SPS to include in its future renewable energy portfolio reports
11 “a summary of the nature and level of activities related to the
12 development and implementation of markets for New Mexico RECs,
13 and account of the progress made in establishing markets for the New
14 Mexico RECs.”¹⁶

15 Therefore, SPS does not need to request the variances stated above as those
16 variances were permanently granted by the Commission.

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

19 A. In its Final Order in Case No. 15-00208-UT, the Commission adopted a
20 Recommended Decision, which among other items, approved SPS’s request to
21 modify its DG tariffs to align the payment methodology for excess energy with
22 the Southwest Power Pool’s Integrated Marketplace. The Recommended
23 Decision required SPS to provide, in its annual report, the prior year’s information

¹⁶ Case No. 20-00143-UT, Final Order, ¶ 6 and Ordering ¶ A.

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1 showing the monthly excess generation, the average estimated price paid, the
2 actual price, and a reconciliation of the cost on a quarterly basis. This information
3 is provided in Appendix F to the 2020 RPS Report.

4 In Case No. 18-00308-UT, the Commission approved SPS's new
5 voluntary renewable program, Solar*Connect. As part of that approval, the
6 Commission required several updates, beginning with this RPS plan. A portion of
7 the Recommended Decision which was approved by the Final Order reads as
8 follows:

9 SPS shall annually file a revised Solar*Connect Community Rate
10 Rider and Solar*Connect Credit based on updated avoided cost
11 calculations in SPS's July 1 Annual Renewable Energy
12 Procurement Report beginning in 2020. The update shall include:
13 1) the updated Solar*Connect Credit for the upcoming calendar
14 year; 2) the amount of subsidization by non-participants for the
15 previous year; 3) the actual number of participants and the
16 subscription levels for the previous year; 4) an analysis showing
17 the level of cross-subsidization for the previous Solar*Connect
18 program year; 5) a summary of Solar*Connect program
19 performance in terms of actual participant numbers and
20 subscription levels; 6) testimony, attachments, and all data
21 supporting the Solar*Connect premium for the upcoming calendar
22 year; and 7) an Advice Notice for the updated Solar*Connect
23 Community Rate Rider, which will reflect the Solar*Connect
24 premium for the upcoming calendar year.

25 Because the Solar*Connect program did not begin operations until April
26 2021, SPS can only provide information pertaining to items 1, 6, and 7. SPS will

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- 1 provide 2021 information in its 2022 RPS filing. I address items 1, 6, and 7 in the
- 2 next section of my testimony.

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1 **VII. SOLAR*CONNECT PREMIUM CALCULATION**

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

3 A. In this section of my testimony, I discuss SPS's Solar*Connect premium for 2022,
4 as shown in Advice Notice No. 297.

5 **Q. What is the 2022 Solar*Connect premium?**

6 A. The 2022 Solar*Connect premium is \$0.01300/kWh.

7 **Q. How is the Solar*Connect premium calculated?**

8 A. The premium is calculated as the total PPA price (also called the "charge") less
9 the credit (the avoided costs), consistent with the approval received in Case No.
10 18-00308-UT¹⁷. For 2022, the total PPA price (the Solar*Connect Charge) is
11 \$0.03952/kWh. This calculation can be found in Attachment MAC-5 of my
12 testimony.

13 **Q. How is the credit calculated?**

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

¹⁷ See the Direct Testimony of Ruth M. Sakya in Case No. 18-00308-UT.

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

4 Using this Commission-approved methodology, SPS has calculated the
5 forecasted avoided costs (the Solar*Connect Credit) for 2022 to be \$0.02652/
6 kWh. This calculation can be found in Attachment MAC-5.

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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 forty percent (40%) RPS requirement early, during years 2022, 2023, and 2024. I also discuss SPS's request for a variance from Rule 572.22.D, as the cost-benefit analysis required by the Rule is inconsistent with the REA.

Q. Please describe SPS's incentive request.

A. SPS requests to earn an incentive for retiring RECs in excess of the current renewable portfolio standard in order to achieve the 2025 forty percent standard three years ahead of the statutory deadline to do so. SPS will not retire these excess RECs early without an incentive to do so. SPS requests an incentive of a dollar per REC retired in exceedance of the current twenty percent standard up to the 2025 forty percent standard. In his direct testimony, Mr. Elsey presents the number of RECs necessary to meet the 2025 standard in plan years 2022, 2023, and 2024 and explains how he determined that amount. Table MAC-1 presents the number of RECs.

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Table MAC-1

Year	2022	2023	2024
Number of RECs	1,647,424	1,743,097	1,836,750

Because SPS is requesting a one-dollar-per-REC incentive, this equates to a total incentive of \$1,647,424 in Plan Year 2022, \$1,743,097 in Plan Year 2023, and \$1,836,750 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 forty percent 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. As I explain below, it is below the cap required by Rule 572.22.E, but it is also commensurate with the price of the market price for RECs in Texas, where there is an active market for RECs.¹⁸ 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.

¹⁸ <https://www.spglobal.com/marketintelligence/en/news-insights/latest-news-headlines/texas-renewable-energy-credit-markets-advance-green-e-prices-back-off-60107962>.

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1 **A. Compliance with REA and Rule 572**

2 **Q. Is this incentive request consistent with the REA?**

3 A. Yes. The REA explicitly provides for the Commission to establish incentives to
4 encourage public utilities to exceed the annual RPS standards, or to achieve
5 reductions in carbon dioxide emissions earlier than required. The incentives may
6 include additional earnings and capital investment opportunities. Moreover, the
7 REA provides that a utility must demonstrate RPS compliance “by its retirement
8 of renewable energy certificates; provided that the associated renewable energy is
9 delivered to the public utility and assigned to the public utility’s New Mexico
10 customers.”¹⁹ SPS’s proposed financial incentive seeks to incentivize SPS to
11 retire RECs in excess of the current twenty percent standard.

12 **Q. Is this request consistent with Rule 572?**

13 A. Yes it is; however, SPS requests a variance from Rule 572.22.D, which requires a
14 cost benefit analysis that is inconsistent with the REA. SPS still provides all the
15 information required by that subsection in this filing.

¹⁹ 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.

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1 SPS’s proposal is consistent with the Commission’s definition of
2 “financial incentive” as stated in Rule 572.7.F. Moreover, SPS’s proposal is
3 consistent with Rule 572.22.A, B, C, and E. Additionally, Mr. Luth presents and
4 supports the Renewable Performance Rider that SPS proposes to use to collect the
5 proposed financial incentive, as is required by Rule 572.15.E.

6 **Q. Please explain how SPS’s proposal is consistent with the Commission’s**
7 **definition of “financial incentive” as stated in Rule 572.7.F.**

8 A. Rule 572 defines “financial incentive” as “money or additional earnings that the
9 public utility is authorized to collect from ratepayers by the commission or capital
10 investment opportunities to encourage certain behaviors or actions that would not
11 otherwise have occurred in order to further the outcomes described in Section 62-
12 16-4 NMSA 1978 (2019).”²⁰ As I stated above, SPS will not retire excess RECs
13 in order to exceed the current annual renewable portfolio standard and meet the
14 2025 forty percent standard three years early unless it is provided an incentive to
15 do so.

16 The REA states that the purpose of incentives are to “encourage public
17 utilities to produce or acquire renewable energy that exceeds the applicable

²⁰ 17.9.572.7.F NMAC (emphasis added).

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1 annual renewable portfolio standard...”²¹ This incentive request furthers the
2 outcomes described in Section 62-16-4 in the future and right now. First, as Mr.
3 Elsey explains in his direct testimony, retiring RECs early in order to earn an
4 incentive will necessitate that SPS procure more renewable energy resources
5 earlier than would otherwise be needed in order to comply with the REA’s
6 renewable portfolio standards. Second, as the REA and Rule 572 state that a REC
7 “represents all the environmental attributes from one megawatt-hour of electricity
8 generated from renewable energy. . .”²², retiring RECs early now demonstrates
9 exceedance now of the applicable standard. Therefore, the requested financial
10 incentive is consistent with the Commission’s own definition as it would
11 encourage an action by SPS that will not otherwise occur without an incentive.

12 **Q. Please explain how SPS’s proposal is consistent with Rule 572.22.A.**

13 A. Rule 572.22.A mostly repeats NMSA § 62-16-4(D); however, the last sentence
14 requires that public utilities shall file any motion or application for an incentive
15 under the REA concurrently with their annual REA plan. SPS is filing this
16 request concurrently with its REA plan.

²¹ 1978, NMSA §62-16-4(D).

²² 1978, NMSA § 62-16-3 (G); 17.9.572.7.R(3).

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1 **Q. Please explain how SPS’s proposal is consistent with Rule 572.22.B.**

2 A. Rule 572.22.B states that:

3 A financial or other incentive proposed under this section must be
4 related to measures implemented by the utility after the effective
5 date of this rule to accomplish at least one of the following
6 purposes:

7 (1) exceeding the public utility’s annual RPS requirements;

8 (2) reducing carbon dioxide emissions earlier than required by
9 Subsection A of Section 62-16-4 NMSA 1978; or

10 (3) reducing the generation of electricity by coal-fired generating
11 facilities, including coal-fired generating facilities located outside
12 of New Mexico that serve the utility’s customers.²³

13 SPS’s incentive proposal meets this requirement as SPS proposes to exceed the
14 applicable twenty percent RPS requirement by retiring RECS in excess of that
15 standard.

16 **Q. Please explain how SPS’s proposal is consistent with Rule 572.22.C.**

17 A. Rule 572.22.C states:

18 The public utility or other person requesting a financial or other
19 incentive has the burden to prove by a preponderance of evidence
20 that the terms and duration of the proposed incentive meet the
21 requirements of this rule and are just and reasonable in light of the
22 utility’s costs, its authorized return, and the magnitude of any other
23 incentives that have been authorized by the commission. Any

²³ 17.9.572.22.B NMAC.

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1 application or motion requesting a financial or other incentive shall
2 be supported by written testimony and exhibits.²⁴

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

9 **Q. Please explain how SPS's proposal is consistent with Rule 572.22.D**

10 A. Rule 572.22.D states:

11 No incentive will be awarded under this section with respect to a
12 particular investment if the cost of that investment exceeds the
13 demonstrable value of the corresponding reduction in carbon
14 dioxide or other emissions. A utility requesting a financial or other
15 incentive under this rule must establish that the benefits of
16 achieving the goals set out in Subsection B of this section above
17 are not exceeded by the costs it incurred to achieve them. To
18 establish this, the utility must provide detailed analysis for each
19 applicable period, including but not limited to:
20 (1) the utility's total carbon dioxide emissions;
21 (2) the reduction in the utility's carbon dioxide emissions
22 attributable to the measures described in Subsection B of this
23 section;

²⁴ 17.9.572.22.C NMAC.

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- 1 (3) the estimated value of the reduction in carbon dioxide
2 emissions described in Paragraph (2) of this subsection based on an
3 analysis of relevant carbon dioxide markets;
4 (4) the cost of the measures implemented by the utility that
5 resulted in the lower carbon dioxide emissions identified in
6 Paragraph (2) of this subsection and the dates when each measure
7 was implemented; and
8 (5) any other costs necessary to implement each of the
9 measures identified in Subsection B of this section.

10 As an initial matter, Rule 572.22.D seems to require every financial
11 proposal to meet the purpose stated in Rule 572.22.B(2), even if the utility is
12 proposing an incentive for one of the other purposes stated in that subsection.
13 While SPS is proposing this financial incentive to fulfill the purpose stated in
14 Rule 572.22.B(1), SPS can also demonstrate that its proposal will lead to
15 emissions reductions. Ms. Lieb addresses the requirements in Rule 572.22.D(1)-
16 (3) in her direct testimony. Mr. Elsey addresses the requirements in Rule
17 572.22.D(4)-(5) in his direct testimony. Below, I present a variance request from
18 the provision in this rule that requires a utility to “establish that the benefits of
19 achieving the goals set out in [Rule 572.22.B] are not exceeded by the costs it
20 incurred to achieve them.”

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1 **Q. Is it clear how to calculate the “costs [the utility] incurred to achieve” under**
2 **the Rule?**

3 A. No. The Rule itself does not explain this. It was not explained in the
4 promulgation of the Rule. And, it is not found anywhere in the REA or ETA.

5 **Q. Do you believe this requirement is consistent with the purposes of the REA**
6 **and ETA?**

7 A. No. That language seems to proceed from an assumption that REA resources that
8 meet the RCT should not be used if they do not meet some additional cost-benefit
9 test. The Legislature could have provided for such a thing if it wanted to, but it
10 did not. Instead, it provided only the RCT; and, even under the RCT requirement,
11 a utility can voluntarily incur costs above the RCT. Moreover, a separate
12 provision of the REA/ETA provides that a utility “shall not be precluded from
13 exceeding the standard.” Imposition of a cost-benefit test to determine whether
14 renewables are warranted appears contrary to the REA/ETA and their goals.

15 **Q. Are there other conflicts between the cost-benefit test and the statute?**

16 A. Yes. Comparing the cost only to the value of benefits of carbon emission
17 reduction appears also in conflict with the statute. The REA and ETA provide for
18 incentives for exceeding the REA or for carbon emission reductions. The Rule

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1 language requires that the exceedance of the REA achieve carbon emission
2 reduction, combining two separate incentives into one.

3 In addition, this approach to determining the “benefits” of renewables
4 conflicts with the goals of the REA. It reduces the sole consideration to be carbon
5 emissions reductions. The REA, however, has broader goals. For example,
6 Section 62-16-2 provides that:

- 7 (1) the generation of electricity through the use of renewable
8 energy presents opportunities to promote energy self-
9 sufficiency, preserve the state's natural resources and
10 pursue an improved environment in New Mexico;
11 (2) the use of renewable energy by public utilities subject to
12 commission oversight in accordance with the Renewable
13 Energy Act can bring significant economic benefits to New
14 Mexico;

15 Moreover, hypothetically, a utility could meet and exceed the RPS using
16 entirely carbon-emitting renewable resources; it would, however, be deemed
17 ineligible for an incentive. The statute does not distinguish between types of
18 renewables, however.

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1 **Q. Notwithstanding the ambiguity of the Rule’s cost-benefit test, did SPS**
2 **attempt such a calculation?**

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

6 **Q. Do the analyses provided by Ms. Lieb and Mr. Elsey show “that the benefits**
7 **of achieving the goals set out in Subsection B . . . are not exceeded by the**
8 **costs it incurred to achieve them”?**

9 A. No. As Ms. Lieb demonstrates in her testimony, the estimated value of the
10 reduction in emissions—including carbon dioxide, methane, and nitrous oxide—
11 achieved by SPS’s proposal (i.e., the benefits) is \$128,980,906 for 2022, 2023,
12 and 2024 combined. As Mr. Elsey demonstrates, the cost of the measure needed
13 to meet the 40% renewable portfolio standard early is \$139,833,197.

14 **Q. Please explain how SPS’s proposal is consistent with Rule 572.22.E.**

15 A. Rule 572.22.E states, “[t]he total financial incentive authorized for recovery in
16 rates pursuant to this section shall not exceed the product (expressed in dollars)
17 of: (1) the utility’s annual weighted average cost of capital (expressed as a

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1 percent); and (2) the cost of the measures described in Subsection B of this
2 section.”²⁵

3 SPS’s weighted average cost of capital (“WACC”) is 7.19%, which was
4 approved in Case No. 19-00170-UT, SPS’s last approved rate case. The cost of
5 that measure—i.e., retiring RECs early—is the levelized cost of the renewable
6 energy required to generate the REC retired. As I stated above, according to the
7 REA and the Commission’s rule, one REC represents one MWh of electric energy
8 generated by renewable energy. As Mr. Elsey explains in his direct testimony,
9 SPS used its LCOE to determine the cost for each MWh used to exceed the
10 current standard up to 40%. The formula below calculates the cap for 2022–2024:

11
$$(WACC) * (\# \text{ of RECs retired} * LCOE) = \text{cap}$$

12
$$7.19\% * (5,227,271 * 26.75) = \$10,053,741$$

13 The cap for Plan Year 2022 is 3,207,620. As I stated above, the incentive
14 proposed by SPS is well below this cap.

²⁵ 17.9.572.22.E NMAC.

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

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

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

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

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

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

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

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

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

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

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

14 A. SPS is requesting a variance from Rule 572.22.D. Specifically, SPS requests a
15 variance from the following requirement: “A utility requesting a financial or
16 other incentive under this rule must establish that the benefits of achieving the
17 goals set out in Subsection B of this section above are not exceeded by the costs it
18 incurred to achieve them.”

Case No. 21-00____-UT
Direct Testimony
of
Mario A. Contreras

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

2 A. As I explained above, it is unclear how to calculate the “costs [the utility] incurred
3 to achieve” under Rule 572, and the cost-benefit requirement is inconsistent with
4 the purposes of the REA. This provision of Rule 572 requiring a cost-benefit
5 requirement negates the REA, which has prioritized bringing renewable energy
6 onto the electrical systems in New Mexico and reducing New Mexico utilities’
7 carbon emissions.

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

10 Yes. First, Section 62-16-4(D) contains no requirement that in order to earn an
11 incentive, a utility must demonstrate that the costs of a measure taken to further
12 the goals set forth in the REA be lower than the benefits the measure will achieve.
13 In fact, the very nature of an incentive is to induce action that a utility might
14 otherwise not take in part because of the costs.

15 Second, as carbon emissions reductions are the sole consideration when
16 calculating the value of the benefit, the benefit of the cost threshold is relatively
17 low (as demonstrated by Ms. Lieb in her direct testimony). This creates a barrier
18 to qualifying for an incentive as the social cost of carbon is currently about equal

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1 to SPS's generation weighted LCOE of its existing renewable portfolio mix.
2 Again, ostensibly the reason the legislature identified the need for an incentive is
3 because the cost to achieve the REA's goals early may prevent utilities from
4 otherwise requesting authorization to do such measures and would otherwise
5 prevent the Commission from approving them.

6 Third, as carbon emissions reductions are the sole consideration when
7 calculating the value of the benefit, the benefit of the cost threshold is relatively
8 low (as demonstrated by Ms. Lieb in her direct testimony). The cost of future
9 renewable generation could often exceed this value of the benefit, as renewable
10 tax credits are phased out or once transmission network upgrades are considered.

11 Fourth, because utilities may often struggle to qualify for an incentive
12 under the Commission's cost-benefit analysis, the Commission has ironically
13 created a disincentive to meet the renewable portfolio standards under the REA
14 ahead of the statutory deadlines to do so. This runs counter to the REA.

15 Lastly, because the Rule 572 provides no method to determine the "cost of
16 a measure," this determination is highly subjective. Whatever method a utility
17 proposes to determine the cost of a measure can be attacked as not the correct
18 methodology; therefore, this provision of the rule is unclear and unworkable.

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Direct Testimony
of
Mario A. Contreras

1 **Q. How would complying with these provisions of Rule 572 impact SPS and its**
2 **customers if the variances are not granted?**

3 A. Complying with this provision would mean that SPS would not qualify for an
4 incentive and thus will not retire RECs early to meet the 2025 forty percent
5 standard in Plan Years 2022, 2023, and 2024. SPS customers and all New
6 Mexicans will not receive the benefits of the resulting increased renewable energy
7 on SPS's system and decreased emissions, which Section 62-16-4(D) seeks to
8 incentivize.

9 **Q. What would be the result if the variance requests are granted?**

10 A. If the variance request is granted and the Commission finds that SPS has proposed
11 a financial incentive that meets all other requirements of the REA and Rule 572,
12 SPS will retire RECs early in order to meet the 2025 forty percent standard in
13 Plan Years 2022, 2023, and 2024, and SPS customers and New Mexicans will
14 receive the benefits as identified in Section 62-16-2 of the REA of the resulting
15 increased renewable energy on SPS's system and decreased emissions.

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of
Mario A. Contreras

1 **Q. Please state how the variances will be consistent with the purposes of Rule**
2 **572.**

3 A. The stated purpose of Rule 572 “is to implement the [REA] and to bring
4 significant economic development and environmental benefits to New Mexico.”
5 Granting SPS a variance from the cost-benefit requirements of Rule 572.22.D will
6 ensure that the Commission is acting in concert with the REA in its
7 implementation and will bring the environmental benefits of forty percent
8 renewable energy to SPS customers and New Mexicans three years early.
9 Moreover, the variance is more consistent with the statute, for the reasons I have
10 already discussed.

11 **Q. Why is no other reasonable alternative preferable?**

12 A. Until Rule 572 is revised to delete the cost-benefit requirement and to be
13 consistent with the amended REA, no other option will allow SPS to qualify for
14 an incentive in order to further the policy objectives of the REA ahead of the
15 statutory deadlines to do so.

16 **Q. Why is the proposed alternative in the public interest?**

17 A. The REA has established that it is in the public interest for utilities to exceed
18 renewable portfolio standards as increased renewable energy promotes energy

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1 self-sufficiency and has environmental and economic benefits for New
2 Mexicans.²⁶ As it stands, the Rule 572.22.D cost-benefit obligation guarantees
3 that utilities will never qualify for an incentive to exceed the REA's renewable
4 portfolio standards. Granting the variance is in the public interest because under
5 the REA, SPS's proposal to meet renewable portfolio standards early will
6 promote energy self-sufficiency and has environmental and economic benefits.

²⁶ 1978, NMSA § 62-16-2.

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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 2020 RPS Report;
- (b) approves SPS's 2022 RPS Plan and all components therein;
- (c) approves SPS's proposed rate for its 2022 RPS Rider set forth in Advice Notice No. 296;
- (d) approves SPS's proposed rate for its 2022 Reconciliation Rider set forth in Advice Notice No. 296;
- (e) determines SPS's 2022 RPS Plan complies with the annual filing requirements of Rule 572.14, the REA, and applicable prior Commission orders;
- (f) approves SPS's 2022 Solar*Connect Community Rate Rider set forth in Advice Notice No. 297, consistent with the Final Order in Case No. 18-00308-UT;
- (g) approves SPS's proposed financial incentive and the accompanying proposed Renewable Performance Rider set forth in Advice No. 298 and grants SPS a variance from the cost-benefit requirement in Rule 572.22.D; and
- (h) 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, July1, 2021, 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 2020 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; Luth 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 2020 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 2020 RPS Plan**

PLAN (572.14)	Requirement	Rule Citation	Reference
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) Intervenor 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_portfolio_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 2020 RPS Plan**

PLAN (572.14)

20

Requirement	Rule Citation	Reference
If, in any given year, a public utility determines that the average annual leveled 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 2020 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 coal-fired 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 2020 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: (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.	22E	Contreras DT

**Southwestern Public Service Company
RPS Rule Map
For the 2020 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 Appendices 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)	Contreras DT
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)	Contreras DT
5 is in the public interest, considering factors such as overall cost and economic development opportunities	§ 62-16-4 (G) (3)(c)	Contreras DT
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 Rule Map
For the 2020 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:		
7 its use, sale, trading or transfer of renewable energy certificates 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)(a)	Please refer to SPS's 2020 RPS Report
8 Renewable energy certificates: that are used for the purpose of meeting the renewable portfolio standard 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) (2)(b)	Please refer to SPS's 2020 RPS Report
9 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) (3)	Please refer to SPS's 2020 RPS Report
10 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 (B) (4)	Please refer to SPS's 2020 RPS Report
11	§ 62-16-5 (C)	Please refer to SPS's 2020 RPS Report

SOUTHWESTERN PUBLIC SERVICE COMPANY

**ANNUAL RENEWABLE ENERGY
PORTFOLIO REPORT FOR 2020**

**Prepared in Compliance with 17.9.572.19 NMAC
and NMSA 1978, § 62-16-5**

July 1, 2021

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GLOSSARY OF ACRONYMS AND DEFINED TERMS

<u>Acronym/Defined Term</u>	<u>Meaning</u>
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

<u>Acronym/Defined Term</u>	<u>Meaning</u>
RPS Report	Annual Renewable Energy Portfolio Report for 2020
Rule 572	17.9.572 NMAC - Renewable Energy Rule for Electric Utilities
San Juan	San Juan Mesa Wind Project
SPS	Southwestern Public Service Company, a New Mexico corporation
SunE PPAs	Sun Edison Solar Purchased Power Agreements
Texico	Llano Estacado Wind Ranch in Texico, New Mexico
total company	Total SPS (before jurisdictional allocation)
WREGIS	Western Renewable Energy Generation Information System

LIST OF APPENDICES

<u>Appendix</u>	<u>Description</u>
Appendix A	Summary of Renewable Energy Generation and REC Transactions
Appendix B	Documentation of RECs Acquired, Retired, or Transferred in 2020
Appendix C	Summary of Cost Recovery Methods for RPS-related Costs
Appendix D	Summary of Renewable Costs Incurred and Recovery Mechanism
Appendix E	2020 RPS Rider Reconciliation
Appendix F	DG Excess Energy Payment Reconciliation
Appendix G	Report Rule Map

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 2020 (“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-UT² 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-UT³ requires SPS to update the

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 G to the RPS Report provides a guide to address where the specific requirements of Rule 572 are addressed in the report. Appendix G 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 2020 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 7,287,300 megawatt-hours ("MWh"), for a RPS requirement of 1,456,433 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 and Sagamore wind facility⁴.

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 – 5.0320⁵ 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. RECs generated at the Sagamore facility are related to test energy.

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 wind facility for New Mexico RPS compliance in Case No. 18-00201-UT.

⁵ As of December 31, 2020. Some of the REC contracts expired towards the end of 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	1,834,929
Plus:	
Hale Generated RECs	676,624
Sagamore Generated RECs	34,275
Caprock Purchases (net of Transfers to Wholesale Customers ⁶)	252,006
San Juan Purchases (net of Transfers to Wholesale Customers)	375,366
Mesalands Purchases	39
SunEdison Solar Purchases	110,105
Company Owned Solar	155
DG - Solar Rewards	12,774
REC-only Purchases	0
Total Additions	1,461,344
Less:	
REC Sales	0
Expiring RECs	0
RPS Compliance Requirement	1,456,433
Total Subtractions	1,456,433

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	29
Annual Excess/(Deficiency)	4,940
Net REC Balance	1,839,869

B. REC Registration⁷ (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-UT⁸, 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))

Prior to December 2020, SPS offered a voluntary renewable energy tariff, Windsource (Renewable Energy Rate Rider – No. 33), to its New Mexico retail customers. See Rule 572.18. SPS purchased wind energy for its Windsource program from three 660 kilowatt

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).

(“kW”) turbines located at the Llano Estacado Wind Ranch in Texico, New Mexico (“Texico”). Due to low production at the Texico facility, SPS entered into an agreement with Mesalands to use production from that facility to supplement the Windsource program⁹ for the months of February through December 2020. As shown below, over the life of the Windsource program, sales have exceeded generation. SPS purchased RECs to make up for the deficit. SPS is not seeking recovery for its cost of these REC purchases.

SPS proposed changes to its Windsource program in Case No. 12-00323-UT,¹⁰ which is currently pending before the Commission. The Texico PPA expired on December 14, 2020. SPS filed a proposal and received approval for a new voluntary program, Solar*Connect to replace Windsource in Case No. 18-00308-UT¹¹.

See Case No. 17-00294-UT, *In the Matter of Southwestern Public Service Company’s Application for (1) Authorization to Enter Into a Two-Year Extension of the Current Purchased Power Agreement for the Purchase of Non-firm Energy for Windsource; (2) Authorization to Implement a Cost-Based Rate Methodology for Calculating an Annual Windsource Rate; and (3) Flow Through All Windsource Costs and Revenues Through its Fuel and Purchased Power Cost Adjustment Clause*. Notice of Short-Term Wind Energy Purchase Agreement with Mesalands Community College. February 6, 2020.

¹⁰ Case No. 12-00323-UT, ¹⁰ Case No. 12-00323-UT, *In the Matter of Southwestern Public Service Company’s Application for: (1) Authorization to Enter Into a Purchased Power Agreement for the Purchase of 0.8 MW of Nominal Solar Capacity and Assoc (1) Authorization to Enter Into a Purchased Power Agreement for the Purchase of 0.8 MW of Nominal Solar Capacity and Associated Energy for Windsource; (2) Approval of a Proposed Methodology for Calculating and Annually Adjusting the Windsource Rate; (3) Authorization to Flow Through All Windsource Costs and Revenues Through its Fuel and Purchased Power Cost Adjustment Clause, and (4) Approval to Purchase a Limited Number of RECs on an Annual Basis to Mitigate Any Customer Demand Imbalance*, pending.

¹¹ 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 198 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).

In 2020, 912 residential and 89 non-residential customers participated in the Windsource program. New Mexico customers purchased 5,135 MWh of wind energy, while the three wind turbines generated 1.293 MWh, resulting in an annual generation deficit of 3,842 MWh. Windsource wind energy purchases from the Texico and Mesalands facilities totaled \$36,508. SPS received \$152,112 in premium revenues under the Windsource tariff. Charges assessed customers under the Windsource tariff are in addition to the customer's service tariff. Both the costs and revenues associated with the Windsource program are accounted for through SPS's fuel and purchased power cost adjustment clause ("FPPCAC"), as authorized by the Commission in Case No. 07-00319-UT¹² and in Case No. 17-00294-UT.¹³

Table 3 details Windsource generation, subscriptions, and subscriber balances from 1999 through 2020.

¹² Case No. 07-00319-UT, *In the Matter of Southwestern Public Service Company's Application for Revision of its Retail Rates Under Advice Notice Nos. 208 and 209 and All Associated Approvals*, Final Order Partially Approving Recommended Decision (Aug. 26, 2008).

¹³ Case No. 17-00294-UT, *In the Matter of Southwestern Public Service Company's Application for: (1) Authorization to Enter into a Two-Year Extension of the Current Purchased Power Agreement for the Purchase of Non-Firm Energy for Windsource; (2) Authorization to Implement a Cost-Based Rate Methodology for Calculating an Annual Windsource Rate; and (3) Flow Through All Windsource Costs and Revenues Through its Fuel and Purchased Power Cost Adjustment Clause*, Final Order Adopting Certification of Stipulation (Aug. 15, 2018).

Table 3: Windsource Balance (in MWh)

Month/Year	Generation	Subscription	Monthly Balance	YTD Net Balance	Program-to-date Net Balance
1999-2019	91,032	95,453			(4,420)
Jan-20	140	435	(295)	(295)	(4,715)
Feb-20	264	373	(109)	(404)	(4,824)
Mar-20	325	409	(84)	(488)	(4,908)
Apr-20	248	346	(98)	(586)	(5,006)
May-20	317	362	(45)	(631)	(5,051)
Jun-20	0	429	(429)	(1,060)	(5,480)
Jul-20	9	529	(520)	(1,580)	(6,000)
Aug-20	(5)	518	(523)	(2,103)	(6,523)
Sep-20	(4)	503	(507)	(2,610)	(7,030)
Oct-20	0	417	(417)	(3,027)	(7,447)
Nov-20	3	371	(368)	(3,395)	(7,815)
Dec-20	(4)	443	(447)	(3,842)	(8,262)

*Note: Amounts in table may not sum due to rounding.

**Lower generation months due to outage and maintenance issues at the facility(ies).

On a program-to-date-basis, Windsource sales have exceeded generation by 8,262 MWh.

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 2020 RPS Rider and the 2020 RPS Reconciliation Rider

A. DG REC and Administrative Costs

SPS incurred \$2,300,931 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.¹⁴

B. WREGIS Administrative Costs

SPS incurred \$6,702 in WREGIS administrative costs in the compliance year (Appendix D, Line 20). SPS is currently collecting these costs through the RPS Rider.

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 other than the months of February – December 2020 when it was utilized for the Windsource program. On a total company basis, \$22,840,243 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

¹⁴ 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).

assigned \$7,417,105. REC costs, recovered through the RPS Rider, were \$846,952 (Appendix D, Line 3).

D. Solar REC Costs

The annual solar REC costs were \$1,101,046, 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 2020, the economic costs were \$2,799,517 (total company) or \$904,025 (New Mexico retail) (Appendix D, Line 11). The uneconomic costs were \$10,923,776 (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 2020.

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	54
Medium Solar	88
Large Solar	1
Total	143

SPS expects to purchase 6,440 and 3,504 RECs under its DG REC purchase programs in 2022 and 2023, respectively. The following table shows the amounts that SPS expects to pay for RECs in 2022 and 2023.

Table 5

Program	2022	2023	REC Payment
Small Solar:			
Small Solar	\$16,241	\$16,160	\$ 0.08
Small Solar	9,484	9,347	\$ 0.10
Small Solar	7,830	7,532	\$ 0.13
Small Solar	40,243	34,478	\$ 0.20
Medium Solar:			
Medium Solar	12,410	12,348	\$ 0.05
Medium Solar	25,100	1,488	\$ 0.08
Medium Solar	4,554	2,301	\$ 0.10
Medium Solar	25,831	13,003	\$ 0.13
Medium Solar	756,611	334,560	\$ 0.17

Medium Solar	0	0	\$ 0.20
Large Solar			
Large Solar	62,348	62,036	\$ 0.20
Total	\$960,653	\$493,343	

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

In accordance with Rule 572.19(G)(5), the 2020 kWh generation by facility from coal-fired generating facilities allocated to New Mexico Retail Customers is:

	<u>Harrington Station</u>	<u>Tolk Station</u>
Net Generation, exclusive of plant use (kWh) ¹⁵	3,345,716,000	1,857,347,000
Annual Average System Allocator	<u>32.43%</u>	<u>32.43%</u>
Calculated Allocation to New Mexico Retail (kWh)	1,085,002,416	602,330,258

¹⁵ 2020 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 2020

Line No.	Description	Total
1	2020 NM Retail Sales	7,287,300
2	Less Voluntary Program Sales (Windsorce)	5,135
3	Net 2020 NM Retail Sales	7,282,165
4	Overall RPS Requirement (%)	20%
5	RPS Obligation (L3 * L4)	1,456,433
6	Beginning REC Balance	1,834,929
7	Generation (NM REC Allocation):	
8	<u>Wind</u>	
9	Hale	676,624
10	Sagamore	34,275
11	Caprock Generation	252,006
12	San Juan Generation	375,366
13	Mesalands Generation ¹	39
14	<u>Solar</u>	
15	SunEdison Solar Generation	110,105
16	<u>Distributed Generation</u>	
17	Company Owned Solar Generation	155
18	SolarRewards	12,774
19	Total Annual Generation (Sum L9 : L18)	1,461,344
20	Less REC Sales (all vintages) (Page 3)	-
21	Less Expiring RECs	-
22	Less Annual RPS Obligation (L5)	1,456,433
23	REC Adjustments from Prior Years ²	29
24	Annual Excess/(Deficiency) (L19 - L20 - L21- L22 + L23)	4,940
25	Cumulative Excess/(Deficiency) (L6 + L24)	1,839,869

Notes:

¹ Mesalands RECs were utilized for the Windsorce program February - December 2020.

² Adjustments due to WREGIS corrections due to rounding for fractional generation (KWh metering vs. MWh REC measurement). Fractional MWh unit data is carried over into the next issuance period.

**Southwestern Public Service Company
Appendix A: REC Sales Itemization
For Calendar Year 2020 Transactions**

Line No.	Transaction	MWh	Generator	Vintage
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Note: SPS had no REC sales in 2020.

Southwestern Public Service Company
Appendix A: WREGIS Generation Summary (MWh)
For Calendar Year 2020

Line No.	Fuel Source	WREGIS GU ID	Generator Plant-Unit Name	State	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
1	Wind	W1026	Mesalands Community College - Mesalands ¹	NM	121.51	0.00	0.00	0.00	0.00	0.00
2	Wind	W801	Caprock Wind Farm - Caprock Wind Farm	NM	26,960.90	23,713.60	29,943.72	25,480.21	16,830.26	26,900.40
3	Wind	W802	Caprock Wind Farm - Caprock Wind Farm2	NM						
4	Wind	W803	San Juan Mesa - San Juan Mesa	NM	34,870.76	34,569.55	38,417.10	33,240.59	33,451.96	43,991.89
5	Wind	W10907	Sagamore Wind*	NM	0.00	0.00	0.00	0.00	0.00	0.00
6	CO Solar	W1337	Hobbs Service Center - Hobbs Solar	NM	2.80	2.82	2.97	3.94	3.71	4.09
7	CO Solar	W1653	ENMU - Roswell - PV Demonstration	NM	3.78	3.57	3.66	4.51	5.10	5.50
8	CO Solar	W1820	Clovis High School - PV System	NM	1.84	1.91	2.81	3.11	3.88	4.08
9	CO Solar	W1913	PR Leyva Middle School - PV	NM	2.16	1.87	2.34	2.70	2.87	3.78
10	PPA Solar	W2293	SunE SPS1 - SPS1 Dollarhide	NM	1,232.78	1,287.85	1,457.77	2,104.59	2,455.39	2,429.19
11	PPA Solar	W2294	SunE SPS2 - SPS2 Jal	NM	1,208.57	1,134.20	1,491.64	2,158.68	2,558.23	2,555.90
12	PPA Solar	W2295	SunE SPS3 - SPS3 Lea	NM	1,274.30	1,341.47	1,448.82	2,282.73	2,539.43	2,443.94
13	PPA Solar	W2296	SunE SPS4 - SPS4 Monument	NM	1,299.73	1,405.83	1,493.06	2,375.67	2,649.91	2,648.98
14	PPA Solar	W2297	SunE SPS5, LLC - SPS5 Hopi	NM	1,307.19	1,310.30	1,506.20	2,431.68	2,634.66	2,493.11
15	DG Solar	W1527	SRNM2009-J-01 - SRNM2009-J-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
16	DG Solar	W1563	SRNM2010-I-01 - SRNM2010-I-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
17	DG Solar	W1564	SRNM2010-J-01 - SRNM2010-J-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	W2027	SRNM2011-I-01 - SRNM2011-I-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
27	DG Solar	W2028	SRNM2011-J-01 - SRNM2011-J-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
28	DG Solar	W2032	SRNM RFP - Haley Farms	NM	47.52	45.76	49.92	50.56	57.44	68.80
29	DG Solar	W2537	SRNM2011-I-02 - SRNM2011-I-02	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 2020

Line No.	Fuel Source	WREGIS		Generator Plant-Unit Name	State	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
		GU ID									
30	DG Solar	W2731		SRNM2012-J-01 - SRNM2012-J-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
31	DG Solar	W2946		SRNM2012-I-01 - SRNM2012-I-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	0.00	0.00	0.00	0.00	0.00	0.00
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	W4079		SRNM2014-J-01 - SRNM2014-J-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
49	DG Solar	W4389		SRNM2014-I-01 - SRNM2014-I-01	NM	0.00	0.00	0.00	0.00	0.00	0.00
Total						68,333.84	64,818.73	75,820.00	70,138.97	63,192.84	83,549.66
50	Windsource	W1152		Texico Wind - Texico Wind	NM	139.86	79.97	120.93	122.76	70.18	0.00
51	Windsource	W1026		Mesalands Community College - Mesalands ¹	NM		184.14	204.61	122.76	247.10	0.00
ERCOT											
Fuel Source	ID			Generator Plant-Unit Name	State	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
52	Wind	1411		Hale Wind*	TX	149,592.30	177,631.22	181,574.72	181,257.00	177,229.95	218,750.21

* Total Company before allocation to NM Jurisdiction.

¹ Mesalands RECs were utilized for the Windsource program February - December 2020.

Southwestern Public Service Company
Appendix A: WREGIS Generation Summary (MWh)
For Calendar Year 2020

Line No.	Fuel Source	WREGIS GU ID	Generator Plant-Unit Name	State	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	2020 Total
30	DG Solar	W2731	SRNM2012-I-01 - SRNM2012-I-01	NM	0.00	0.00	0.00	0.00	0.00	126.69	126.69
31	DG Solar	W2946	SRNM2012-I-01 - SRNM2012-I-01	NM	0.00	0.00	0.00	0.00	0.00	286.76	286.76
32	DG Solar	W3465	SRNM2013-I-01 - SRNM2013-I-01	NM	0.00	0.00	0.00	0.00	0.00	389.76	389.76
33	DG Solar	W3605	SRNM2013-I-02 - SRNM2013-I-02	NM	0.00	0.00	0.00	0.00	0.00	355.57	355.57
34	DG Solar	W3606	SRNM2013-I-03 - SRNM2013-I-03	NM	0.00	0.00	0.00	0.00	0.00	358.63	358.63
35	DG Solar	W3607	SRNM2013-I-04 - SRNM2013-I-04	NM	0.00	0.00	0.00	0.00	0.00	353.31	353.31
36	DG Solar	W3608	SRNM2013-I-05 - SRNM2013-I-05	NM	0.00	0.00	0.00	0.00	0.00	366.01	366.01
37	DG Solar	W3609	SRNM2013-I-06 - SRNM2013-I-06	NM	0.00	0.00	0.00	0.00	0.00	365.64	365.64
38	DG Solar	W3610	SRNM2013-I-07 - SRNM2013-I-07	NM	0.00	0.00	0.00	0.00	0.00	356.96	356.96
39	DG Solar	W3611	SRNM2013-I-08 - SRNM2013-I-08	NM	0.00	0.00	0.00	0.00	0.00	352.73	352.73
40	DG Solar	W3612	SRNM2013-I-09 - SRNM2013-I-09	NM	0.00	0.00	0.00	0.00	0.00	359.85	359.85
41	DG Solar	W3613	SRNM2013-I-10 - SRNM2013-I-10	NM	0.00	0.00	0.00	0.00	0.00	364.31	364.31
42	DG Solar	W3614	SRNM2013-I-11 - SRNM2013-I-11	NM	0.00	0.00	0.00	0.00	0.00	361.99	361.99
43	DG Solar	W3615	SRNM2013-I-12 - SRNM2013-I-12	NM	0.00	0.00	0.00	0.00	0.00	358.93	358.93
44	DG Solar	W3616	SRNM2013-I-13 - SRNM2013-I-13	NM	0.00	0.00	0.00	0.00	0.00	178.27	178.27
45	DG Solar	W3617	SRNM2013-I-14 - SRNM2013-I-14	NM	0.00	0.00	0.00	0.00	0.00	45.89	45.89
46	DG Solar	W3618	SRNM2013-I-15 - SRNM2013-I-15	NM	0.00	0.00	0.00	0.00	0.00	154.81	154.81
47	DG Solar	W3619	SRNM2013-I-16 - SRNM2013-I-16	NM	0.00	0.00	0.00	0.00	0.00	46.00	46.00
48	DG Solar	W4079	SRNM2014-J-01 - SRNM2014-J-01	NM	0.00	0.00	0.00	0.00	0.00	205.06	205.06
49	DG Solar	W4389	SRNM2014-I-01 - SRNM2014-I-01	NM	0.00	0.00	0.00	0.00	0.00	202.25	202.25
Total					53,533.63	51,001.78	56,495.89	70,635.09	72,262.23	184,385.68	914,168.33

50	Windsource	W1152	Texico Wind - Texico Wind	NM	0.00	0.00	0.00	0.00	0.00	0.00	533.70
51	Windsource	W1026	Mesalands Community College - Mesalands ¹	NM	0.00	0.00	0.00	0.00	0.00	0.00	758.61

ERCOT

Fuel Source	ID	Generator Plant-Unit Name	State	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Total	
52	Wind	1411	Hale Wind*	TX	149,075.31	139,003.99	124,787.35	190,620.26	204,377.59	191,069.06	2,084,968.95

* Total Company before allocation to NM Jurisdiction.

¹ Mesalands RECs were utilized for the Windsource program February - December 2020.

Southwestern Public Service Company
WREGIS REC Issuance Summary (REC)
For the Calendar Year 2019

Line No.	Fuel Source	WREGIS GU ID	Generator Plant-Unit Name	Fuel Type	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Annual
1	Wind	W1026	Mesalands Community College - Mesalands	Wind	121												121.00
2	Wind	W801	Caprock Wind Farm - Caprock Wind Farm	Wind	20221	17785	22458	19110	12622	20176	13919	10728	13946	18432	20993	16998	207,388.00
3	Wind	W802	Caprock Wind Farm - Caprock Wind Farm2	Wind	6740	5929	7485	6370	4207	6726	4640	3576	4648	6144	6998	5667	69,130.00
4	Wind	W803	San Juan Mesa - San Juan Mesa	Wind	34871	34669	38417	33240	33452	43993	23511	26421	28728	37081	37102	40511	411,886.00
5	Wind	W10907	Sagamore Wind Farm - Sagamore Wind	Wind	0	0	0	0	0	0	0	0	0	0	0	0	102,596.00
6	CO Solar	W1337	Hobbs Service Center - Hobbs Solar	Solar	2	3	3	4	4	4	3	4	3	4	3	3	40.00
7	CO Solar	W1653	ENMU - Roswell - PV Demonstration	Solar	4	4	3	5	5	4	6	4	5	4	4	5	53.00
8	CO Solar	W1820	Clovis High School - PV System	Solar	2	2	3	3	3	4	4	3	3	3	2	3	34.00
9	CO Solar	W1913	PR Levya Middle School - PV	Solar	2	2	2	3	2	3	3	1	4	2	2	0	26.00
10	PPA Solar	W2293	SunE SPS1 - SPS1 Dollarhide	Solar	1233	1287	1458	2104	2456	2429	2177	2012	1804	1803	1442	1265	21,470.00
11	PPA Solar	W2294	SunE SPS2 - SPS2 Jal	Solar	1208	1135	1491	2158	2559	2422	2176	1848	1813	1458	1305	1305	22,129.00
12	PPA Solar	W2295	SunE SPS3 - SPS3 Lea	Solar	1274	1342	1449	2282	2539	2444	2213	1873	1813	1766	1386	1260	21,641.00
13	PPA Solar	W2296	SunE SPS4 - SPS4 Monument	Solar	1300	1406	1493	2375	2649	2649	2366	2176	1836	1781	1436	1324	22,791.00
14	PPA Solar	W2297	SunE SPS5, LLC - SPS5 Hopi	Solar	1307	1310	1507	2431	2634	2493	2225	1982	1799	1745	1388	1247	22,068.00
15	DG Solar	W1527	SRNM2009-J01 - SRNM2009-J01	Solar	1	0	0	0	0	0	0	0	0	0	0	0	6.00
16	DG Solar	W1563	SRNM2010-I01 - SRNM2010-I01	Solar	1	0	0	0	0	0	0	0	0	0	0	0	474.00
17	DG Solar	W1564	SRNM2010-J01 - SRNM2010-J01	Solar	0	0	0	0	0	0	0	0	0	0	0	0	98.00
18	DG Solar	W2019	SRNM2010-I02 - SRNM2010-I02	Solar	1	1	0	0	0	0	0	0	0	0	0	0	755.00
19	DG Solar	W2020	SRNM2010-I03 - SRNM2010-I03	Solar	2	0	0	0	0	0	0	0	0	0	0	0	732.00
20	DG Solar	W2021	SRNM2010-I04 - SRNM2010-I04	Solar	1	0	0	0	0	0	0	0	0	0	0	0	725.00
21	DG Solar	W2022	SRNM2010-I05 - SRNM2010-I05	Solar	1	0	0	0	0	0	0	0	0	0	0	0	693.00
22	DG Solar	W2023	SRNM2010-I06 - SRNM2010-I06	Solar	1	1	0	0	0	0	0	0	0	0	0	0	689.00
23	DG Solar	W2024	SRNM2010-I07 - SRNM2010-I07	Solar	1	0	0	0	0	0	0	0	0	0	0	0	705.00
24	DG Solar	W2025	SRNM2010-I08 - SRNM2010-I08	Solar	0	0	0	0	0	0	0	0	0	0	0	0	697.00
25	DG Solar	W2026	SRNM2010-I09 - SRNM2010-I09	Solar	0	0	0	0	0	0	0	0	0	0	0	0	39.00
26	DG Solar	W2027	SRNM2011-I01 - SRNM2011-I01	Solar	0	1	0	0	0	0	0	0	0	0	0	0	362.00
27	DG Solar	W2028	SRNM2011-J01 - SRNM2011-J01	Solar	0	0	0	0	0	0	0	0	0	0	0	0	194.00
28	DG Solar	W2032	SRNM RFP - Haley Farms	Solar	47	46	50	50	57	69	49	46	54	53	53	53	627.00
29	DG Solar	W2537	SRNM2011-I02 - SRNM2011-I02	Solar	2	0	0	0	0	0	0	0	0	0	0	0	384.00
30	DG Solar	W2731	SRNM2012-J01 - SRNM2012-J01	Solar	1	0	0	0	0	0	0	0	0	0	0	0	126.00
31	DG Solar	W2946	SRNM2012-I01 - SRNM2012-I01	Solar	1	0	0	0	0	0	0	0	0	0	0	0	287.00
32	DG Solar	W3465	SRNM2013-I01 - SRNM2013-I01	Solar	1	0	0	0	0	0	0	0	0	0	0	0	390.00
33	DG Solar	W3605	SRNM2013-I02 - SRNM2013-I02	Solar	0	2	0	0	0	0	0	0	0	0	0	0	356.00
34	DG Solar	W3606	SRNM2013-I03 - SRNM2013-I03	Solar	2	0	0	0	0	0	0	0	0	0	0	0	359.00
35	DG Solar	W3607	SRNM2013-I04 - SRNM2013-I04	Solar	0	1	0	0	0	0	0	0	0	0	0	0	353.00
36	DG Solar	W3608	SRNM2013-I05 - SRNM2013-I05	Solar	0	1	0	0	0	0	0	0	0	0	0	0	366.00
37	DG Solar	W3609	SRNM2013-I06 - SRNM2013-I06	Solar	0	1	0	0	0	0	0	0	0	0	0	0	366.00
38	DG Solar	W3610	SRNM2013-I07 - SRNM2013-I07	Solar	0	2	0	0	0	0	0	0	0	0	0	0	357.00
39	DG Solar	W3611	SRNM2013-I08 - SRNM2013-I08	Solar	0	3	0	0	0	0	0	0	0	0	0	0	353.00
40	DG Solar	W3612	SRNM2013-I09 - SRNM2013-I09	Solar	0	1	0	0	0	0	0	0	0	0	0	0	360.00
41	DG Solar	W3613	SRNM2013-I10 - SRNM2013-I10	Solar	0	1	0	0	0	0	0	0	0	0	0	0	364.00
42	DG Solar	W3614	SRNM2013-I11 - SRNM2013-I11	Solar	0	1	0	0	0	0	0	0	0	0	0	0	362.00
43	DG Solar	W3615	SRNM2013-I12 - SRNM2013-I12	Solar	0	3	0	0	0	0	0	0	0	0	0	0	359.00
44	DG Solar	W3616	SRNM2013-I13 - SRNM2013-I13	Solar	0	1	0	0	0	0	0	0	0	0	0	0	178.00
45	DG Solar	W3617	SRNM2013-I14 - SRNM2013-I14	Solar	0	1	0	0	0	0	0	0	0	0	0	0	45.00
46	DG Solar	W3618	SRNM2013-I15 - SRNM2013-I15	Solar	0	1	0	0	0	0	0	0	0	0	0	0	154.00
47	DG Solar	W3619	SRNM2013-I16 - SRNM2013-I16	Solar	0	2	0	0	0	0	0	0	0	0	0	0	47.00
48	DG Solar	W4079	SRNM2014-J01 - SRNM2014-J01	Solar	0	0	0	0	0	0	0	0	0	0	0	0	205.00
49	DG Solar	W4389	SRNM2014-I01 - SRNM2014-I01	Solar	0	2	0	0	0	0	0	0	0	0	0	0	204.00
50																	
51			Total		68,348	64,846	75,819	70,135	63,190	83,552	53,535	51,003	56,490	70,630	72,268	184,375	914,191.00
52																	
53	Windsource	W1152	Texico Wind - Texico Wind	Wind	140	80	120	122	70	2	0	0	0	0	0	0	534.00
54	Windsource	W1026	Mesalands Community College - Mesalands	Wind	184	184	205	122	247	1	0	0	0	0	0	0	759.00
			Sum		68,488	65,110	76,144	70,379	63,507	83,555	53,535	51,003	56,490	70,630	72,268	184,375	915,484.00

Southwestern Public Service Company
WREGIS REC Transfers
For the Calendar Year 2020

Line No.	Year	Month	WREGIS GU ID	Generator Plant-Unit Name	Fuel Type	Login Name	Quantity	Certificate Serial Numbers	Date of Transfer	Transferor	Transferee	Action	SubAccountName	Transaction ID
1	2020	1	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	114	801-NM-378864-1544 to 1657	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096467
2	2020	1	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	200	801-NM-378864-537 to 736	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096328
3	2020	1	W801	Caprock Wind Farm - Caprock Wind Farm	WND	LPL	324	801-NM-378864-2210 to 2533	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096564
4	2020	1	W801	Caprock Wind Farm - Caprock Wind Farm	WND	Khollandsworth	374	801-NM-378864-1658 to 2031	05/19/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC RECs-5809	1096516
5	2020	1	W801	Caprock Wind Farm - Caprock Wind Farm	WND	jcalloway	536	801-NM-378864-1 to 536	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094973
6	2020	1	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	807	801-NM-378864-737 to 1543	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096382
7	2020	2	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	114	801-NM-382885-1544 to 1657	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096468
8	2020	2	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	200	801-NM-382885-537 to 736	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096329
9	2020	2	W801	Caprock Wind Farm - Caprock Wind Farm	WND	LPL	324	801-NM-382885-2048 to 2371	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096565
10	2020	2	W801	Caprock Wind Farm - Caprock Wind Farm	WND	Khollandsworth	374	801-NM-382885-1658 to 2031	05/19/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC RECs-5809	1096517
11	2020	2	W801	Caprock Wind Farm - Caprock Wind Farm	WND	jcalloway	536	801-NM-382885-1 to 536	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094974
12	2020	2	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	807	801-NM-382885-737 to 1543	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096383
13	2020	3	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	114	801-NM-387828-1544 to 1657	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096469
14	2020	3	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	200	801-NM-387828-537 to 736	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096330
15	2020	3	W801	Caprock Wind Farm - Caprock Wind Farm	WND	LPL	324	801-NM-387828-2051 to 2974	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096566
16	2020	3	W801	Caprock Wind Farm - Caprock Wind Farm	WND	Khollandsworth	374	801-NM-387828-1658 to 2031	05/19/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC RECs-5809	1096518
17	2020	3	W801	Caprock Wind Farm - Caprock Wind Farm	WND	jcalloway	536	801-NM-387828-1 to 536	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094975
18	2020	3	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	807	801-NM-387828-737 to 1543	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096384
19	2020	4	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	114	801-NM-409676-1544 to 1657	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096470
20	2020	4	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	200	801-NM-409676-537 to 736	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096331
21	2020	4	W801	Caprock Wind Farm - Caprock Wind Farm	WND	LPL	324	801-NM-409676-2172 to 2495	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096567
22	2020	4	W801	Caprock Wind Farm - Caprock Wind Farm	WND	Khollandsworth	374	801-NM-409676-1658 to 2031	05/19/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC RECs-5809	1096519
23	2020	4	W801	Caprock Wind Farm - Caprock Wind Farm	WND	jcalloway	536	801-NM-409676-1 to 536	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094976
24	2020	4	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	807	801-NM-409676-737 to 1543	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096385
25	2020	5	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	114	801-NM-409677-1406 to 1519	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096450
26	2020	5	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	200	801-NM-409677-537 to 736	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096332
27	2020	5	W801	Caprock Wind Farm - Caprock Wind Farm	WND	Khollandsworth	374	801-NM-409677-1520 to 1893	05/19/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC RECs-5809	1096508
28	2020	5	W801	Caprock Wind Farm - Caprock Wind Farm	WND	jcalloway	536	801-NM-409677-1 to 536	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094977

Southwestern Public Service Company
WREGIS REC Transfers
For the Calendar Year 2020

Line No.	Year	Month	WREGIS GU ID	Generator Plant-Unit Name	Fuel Type	Login Name	Quantity	Certificate Serial Numbers	Date of Transfer	Transferor	Transferee	Action	SubAccountName	Transaction ID
29	2020	5	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	669	801-NM-409677-737 to 1405	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096386
30	2020	6	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	114	801-NM-409678-2366 to 2479	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096451
31	2020	6	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	200	801-NM-409678-537 to 736	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096333
32	2020	6	W801	Caprock Wind Farm - Caprock Wind Farm	WND	Khollandsworth	371	801-NM-409678-2480 to 2850	05/19/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC REC-5809	1096509
33	2020	6	W801	Caprock Wind Farm - Caprock Wind Farm	WND	jcallaway	536	801-NM-409678-1 to 536	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094978
34	2020	6	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	900	801-NM-409678-737 to 1636	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096387
35	2020	7	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	114	801-NM-414695-1414 to 1527	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096452
36	2020	7	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	200	801-NM-414695-537 to 736	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096334
37	2020	7	W801	Caprock Wind Farm - Caprock Wind Farm	WND	Khollandsworth	268	801-NM-414695-1528 to 1795	06/25/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC REC-5809	1117665
38	2020	7	W801	Caprock Wind Farm - Caprock Wind Farm	WND	jcallaway	536	801-NM-414695-1 to 536	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094979
39	2020	7	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	677	801-NM-414695-737 to 1413	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096388
40	2020	8	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	114	801-NM-415232-1143 to 1256	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096453
41	2020	8	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	200	801-NM-415232-537 to 736	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096335
42	2020	8	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	406	801-NM-415232-737 to 1142	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096389
43	2020	8	W801	Caprock Wind Farm - Caprock Wind Farm	WND	jcallaway	536	801-NM-415232-1 to 536	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094980
44	2020	9	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	114	801-NM-435030-1344 to 1457	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096459
45	2020	9	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	200	801-NM-435030-537 to 736	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096336
46	2020	9	W801	Caprock Wind Farm - Caprock Wind Farm	WND	jcallaway	536	801-NM-435030-1 to 536	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094981
47	2020	9	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	607	801-NM-435030-737 to 1343	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096390
48	2020	10	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	119	801-NM-435031-3344 to 3462	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096460
49	2020	10	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	397	801-NM-435031-540 to 936	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096337
50	2020	10	W801	Caprock Wind Farm - Caprock Wind Farm	WND	jcallaway	539	801-NM-435031-1 to 539	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094982
51	2020	10	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	1581	801-NM-435031-1763 to 3343	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096369
52	2020	12	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	100	801-NM-457018-1553 to 1652	06/21/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1117664
53	2020	12	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	208	801-NM-457018-536 to 743	06/21/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1117658
54	2020	12	W801	Caprock Wind Farm - Caprock Wind Farm	WND	LPL	337	801-NM-457018-1653 to 1989	06/19/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1117669
55	2020	12	W801	Caprock Wind Farm - Caprock Wind Farm	WND	jcallaway	535	801-NM-457018-1 to 535	06/21/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1117654
56	2020	12	W801	Caprock Wind Farm - Caprock Wind Farm	WND	WFEC3	809	801-NM-457018-744 to 1552	06/21/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1117661

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For the Calendar Year 2020

Line No.	Year	Month	WREGIS GU ID	Generator Plant-Unit Name	Fuel Type	Login Name	Quantity	Certificate Serial Numbers	Date of Transfer	Transferor	Transferee	Action	SubAccountName	Transaction ID
57	2020	5	W802	Caprock Wind Farm - Caprock Wind Farm2	WND	LPL	324	802-NM-40964-1 to 324	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096560
58	2020	6	W802	Caprock Wind Farm - Caprock Wind Farm2	WND	LPL	324	802-NM-40966-1 to 324	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096561
59	2020	7	W802	Caprock Wind Farm - Caprock Wind Farm2	WND	LPL	324	802-NM-414699-1 to 324	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096562
60	2020	8	W802	Caprock Wind Farm - Caprock Wind Farm2	WND	LPL	324	802-NM-415198-1 to 324	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096563
61	2020	9	W802	Caprock Wind Farm - Caprock Wind Farm2	WND	LPL	324	802-NM-434994-1 to 324	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096573
62	2020	10	W802	Caprock Wind Farm - Caprock Wind Farm2	WND	LPL	326	802-NM-434995-1 to 326	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096574
63	2020	1	W1026	Mesalands Community College - Mesalands	WND	LPL	1	1026-NM-380901-11 to 11	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096580
64	2020	1	W1026	Mesalands Community College - Mesalands	WND	WFEC3	1	1026-NM-380901-4 to 4	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096327
65	2020	1	W1026	Mesalands Community College - Mesalands	WND	Khollandsworth	2	1026-NM-380901-9 to 10	05/19/2021	Southwestern Public Service Company	Golden Spread Electric	Confirm	TCEC RECs-5809	1096507
66	2020	1	W1026	Mesalands Community College - Mesalands	WND	jcallaway	3	1026-NM-380901-1 to 3	05/10/2021	Southwestern Public Service Company	Cooperative, Inc.	Confirm	Default-1811	1094964
67	2020	1	W1026	Mesalands Community College - Mesalands	WND	WFEC3	4	1026-NM-380901-5 to 8	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096381
68	2020	12	W10907	Sagamore Wind Farm - Sagamore Wind	WND	WFEC3	483	10907-NM-456230-3732 to 4164	06/21/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1117662
69	2020	12	W10907	Sagamore Wind Farm - Sagamore Wind	WND	WFEC3	772	10907-NM-456230-1 to 772	06/21/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1117656
70	2020	12	W10907	Sagamore Wind Farm - Sagamore Wind	WND	jcallaway	2073	10907-NM-456230-68322 to 70394	06/21/2021	Southwestern Public Service Company	Central Valley Electric	Confirm	Default-1811	1117653
71	2020	12	W10907	Sagamore Wind Farm - Sagamore Wind	WND	WFEC3	2959	10907-NM-456230-773 to 3731	06/21/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1117659
72	2020	12	W10907	Sagamore Wind Farm - Sagamore Wind	WND	LPL	3122	10907-NM-456230-4165 to 7286	06/19/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1117667
73	2020	1	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	155	803-NM-378836-2141 to 2295	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096461
74	2020	1	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	300	803-NM-378836-721 to 1020	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096316
75	2020	1	W803	San Juan Mesa - San Juan Mesa	WND	LPL	448	803-NM-378836-2859 to 3306	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096568
76	2020	1	W803	San Juan Mesa - San Juan Mesa	WND	Khollandsworth	547	803-NM-378836-2296 to 2842	05/19/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC RECs-5809	1096510
77	2020	1	W803	San Juan Mesa - San Juan Mesa	WND	jcallaway	720	803-NM-378836-1 to 720	05/10/2021	Southwestern Public Service Company	Central Valley Electric	Confirm	Default-1811	1094951
78	2020	1	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	1120	803-NM-378836-1021 to 2140	05/19/2021	Southwestern Public Service Company	Cooperative, Inc.	Confirm	Default-8595	1096370
79	2020	2	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	155	803-NM-382854-2141 to 2295	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096462
80	2020	2	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	300	803-NM-382854-721 to 1020	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096317
81	2020	2	W803	San Juan Mesa - San Juan Mesa	WND	LPL	448	803-NM-382854-2986 to 3433	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096569
82	2020	2	W803	San Juan Mesa - San Juan Mesa	WND	Khollandsworth	547	803-NM-382854-2296 to 2842	05/19/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC RECs-5809	1096511
83	2020	2	W803	San Juan Mesa - San Juan Mesa	WND	jcallaway	720	803-NM-382854-1 to 720	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094952
84	2020	2	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	1120	803-NM-382854-1021 to 2140	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096371

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For the Calendar Year 2020

Line No.	Year	Month	WREGIS GU ID	Generator Plant-Unit Name	Fuel Type	Login Name	Quantity	Certificate Serial Numbers	Date of Transfer	Transferor	Transferee	Action	SubAccountName	Transaction ID
85	2020	3	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	155	803-NM-387799-2141 to 2295	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096463
86	2020	3	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	300	803-NM-387799-721 to 1020	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096318
87	2020	3	W803	San Juan Mesa - San Juan Mesa	WND	LPL	448	803-NM-387799-3401 to 3848	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096570
88	2020	3	W803	San Juan Mesa - San Juan Mesa	WND	Khollandsworth	547	803-NM-387799-2296 to 2842	05/19/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC REC-5809	1096512
89	2020	3	W803	San Juan Mesa - San Juan Mesa	WND	jcalloway	720	803-NM-387799-1 to 720	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094953
90	2020	3	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	1120	803-NM-387799-1021 to 2140	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096372
91	2020	4	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	155	803-NM-403986-2141 to 2295	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096464
92	2020	4	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	300	803-NM-403986-721 to 1020	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096319
93	2020	4	W803	San Juan Mesa - San Juan Mesa	WND	LPL	448	803-NM-403986-2831 to 3278	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096571
94	2020	4	W803	San Juan Mesa - San Juan Mesa	WND	Khollandsworth	535	803-NM-403986-2296 to 2830	05/19/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC REC-5809	1096513
95	2020	4	W803	San Juan Mesa - San Juan Mesa	WND	jcalloway	720	803-NM-403986-1 to 720	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094954
96	2020	4	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	1120	803-NM-403986-1021 to 2140	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096373
97	2020	5	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	155	803-NM-409666-2142 to 2296	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096465
98	2020	5	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	300	803-NM-409666-722 to 1021	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096320
99	2020	5	W803	San Juan Mesa - San Juan Mesa	WND	LPL	448	803-NM-409666-2796 to 3243	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096572
100	2020	5	W803	San Juan Mesa - San Juan Mesa	WND	Khollandsworth	499	803-NM-409666-2297 to 2795	05/19/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC REC-5809	1096514
101	2020	5	W803	San Juan Mesa - San Juan Mesa	WND	jcalloway	720	803-NM-409666-2 to 721	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094955
102	2020	5	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	1120	803-NM-409666-1022 to 2141	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096374
103	2020	6	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	155	803-NM-409667-2316 to 2470	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096466
104	2020	6	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	300	803-NM-409667-721 to 1020	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096321
105	2020	6	W803	San Juan Mesa - San Juan Mesa	WND	LPL	448	803-NM-409667-3077 to 3524	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096581
106	2020	6	W803	San Juan Mesa - San Juan Mesa	WND	Khollandsworth	606	803-NM-409667-2471 to 3076	05/19/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC REC-5809	1096515
107	2020	6	W803	San Juan Mesa - San Juan Mesa	WND	jcalloway	720	803-NM-409667-1 to 720	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094956
108	2020	6	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	1295	803-NM-409667-1021 to 2315	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096375
109	2020	7	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	155	803-NM-414700-1791 to 1945	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096454
110	2020	7	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	300	803-NM-414700-721 to 1020	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096322
111	2020	7	W803	San Juan Mesa - San Juan Mesa	WND	Khollandsworth	397	803-NM-414700-2581 to 2977	06/25/2021	Southwestern Public Service Company	Golden Spread Electric Cooperative, Inc.	Confirm	TCEC REC-5809	1117666
112	2020	7	W803	San Juan Mesa - San Juan Mesa	WND	LPL	448	803-NM-414700-2091 to 2538	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096575

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Line No.	Year	Month	WREGIS GU ID	Generator Plant-Unit Name	Fuel Type	Login Name	Quantity	Certificate Serial Numbers	Date of Transfer	Transferor	Transferee	Action	SubAccountName	Transaction ID
113	2020	7	W803	San Juan Mesa - San Juan Mesa	WND	jcallaway	720	803-NM-414700-1 to 720	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094957
114	2020	7	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	770	803-NM-414700-1021 to 1790	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096376
115	2020	8	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	155	803-NM-415199-2111 to 2265	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096455
116	2020	8	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	300	803-NM-415199-721 to 1020	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096323
117	2020	8	W803	San Juan Mesa - San Juan Mesa	WND	LPL	448	803-NM-415199-2411 to 2858	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096576
118	2020	8	W803	San Juan Mesa - San Juan Mesa	WND	jcallaway	720	803-NM-415199-1 to 720	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094958
119	2020	8	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	1090	803-NM-415199-1021 to 2110	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096377
120	2020	9	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	155	803-NM-434997-2074 to 2228	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096456
121	2020	9	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	300	803-NM-434997-721 to 1020	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096324
122	2020	9	W803	San Juan Mesa - San Juan Mesa	WND	LPL	448	803-NM-434997-2374 to 2821	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096577
123	2020	9	W803	San Juan Mesa - San Juan Mesa	WND	jcallaway	720	803-NM-434997-1 to 720	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094959
124	2020	9	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	1053	803-NM-434997-1021 to 2073	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096378
125	2020	10	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	155	803-NM-434998-2661 to 2815	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096457
126	2020	10	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	300	803-NM-434998-721 to 1020	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096325

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For the Calendar Year 2020

Line No.	Year	Month	WREGIS GU ID	Generator Plant-Unit Name	Fuel Type	Login Name	Quantity	Certificate Serial Numbers	Date of Transfer	Transferor	Transferee	Action	SubAccountName	Transaction ID
127	2020	10	W803	San Juan Mesa - San Juan Mesa	WND	LPL	448	803-NM-434998-2961 to 3408	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096578
128	2020	10	W803	San Juan Mesa - San Juan Mesa	WND	jcallaway	720	803-NM-434998-1 to 720	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094960
129	2020	10	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	1100	803-NM-434998-1021 to 2120	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096379
130	2020	11	W803	San Juan Mesa - San Juan Mesa	WND	jcallaway	4	803-NM-434999-1 to 4	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094961
131	2020	11	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	160	803-NM-434999-2643 to 2802	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096458
132	2020	11	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	304	803-NM-434999-5 to 308	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096326
133	2020	11	W803	San Juan Mesa - San Juan Mesa	WND	LPL	449	803-NM-434999-2943 to 3391	05/10/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1096579
134	2020	11	W803	San Juan Mesa - San Juan Mesa	WND	jcallaway	720	803-NM-434999-4217 to 4936	05/10/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1094962
135	2020	11	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	1100	803-NM-434999-309 to 1408	05/19/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1096380
136	2020	12	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	156	803-NM-456992-2315 to 2470	06/21/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1117663
137	2020	12	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	315	803-NM-456992-792 to 1106	06/21/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1117657
138	2020	12	W803	San Juan Mesa - San Juan Mesa	WND	LPL	509	803-NM-456992-2471 to 2979	06/19/2021	Southwestern Public Service Company	Lubbock Power and Light	Confirm	Default-13187	1117668
139	2020	12	W803	San Juan Mesa - San Juan Mesa	WND	jcallaway	791	803-NM-456992-1 to 791	06/21/2021	Southwestern Public Service Company	Central Valley Electric Cooperative, Inc.	Confirm	Default-1811	1117655
140	2020	12	W803	San Juan Mesa - San Juan Mesa	WND	WFEC3	1208	803-NM-456992-1107 to 2314	06/21/2021	Southwestern Public Service Company	Western Farmers Electric Cooperative	Confirm	Default-8595	1117660

Southwestern Public Service Company
WREGIS REC Retirements
For the Calendar Year 2020

Line No.	Sub/Account	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
1	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	8	2017	801-NM-258355-1 to 13206	13206
2	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	11	2017	801-NM-270071-1 to 24166	24166
3	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	12	2017	801-NM-273964-1 to 18460	18460
4	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	5	2017	801-NM-246276-2973 to 5547	2575
5	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	1	2018	801-NM-278006-5777 to 22812	17036
6	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	2	2018	801-NM-281893-5870 to 22884	17015
7	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	3	2018	801-NM-285785-6073 to 23131	17059
8	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	4	2018	801-NM-289560-6115 to 24653	18539
9	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	5	2018	801-NM-293413-5676 to 21068	15393
10	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	6	2018	801-NM-297419-6591 to 23795	17205
11	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	7	2018	801-NM-301311-4293 to 15524	11232
12	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	8	2018	801-NM-305212-5276 to 19015	13740
13	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	9	2018	801-NM-309167-5327 to 20282	14956
14	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	1	2020	801-NM-378864-2710 to 19184	16475
15	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	5	2017	801-NM-246276-1 to 2972	2972
16	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	5	2017	801-NM-246276-5548 to 19360	13813
17	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	6	2017	801-NM-250100-1 to 16588	16588
18	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	7	2017	801-NM-254128-1 to 17202	17202
19	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	10	2018	801-NM-313483-4308 to 17346	13039
20	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	11	2018	801-NM-317276-4695 to 19076	14382
21	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	12	2018	801-NM-321137-4414 to 18160	13747
22	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	9	2017	801-NM-262225-1 to 18722	18722
23	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W801	Caprock Wind Farm - Caprock Wind Farm	Quay	NM	Wind	10	2017	801-NM-266044-1 to 24915	24915
24	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	12	2018	802-NM-321109-1 to 6053	6053
25	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	11	2018	802-NM-317247-1 to 6358	6358
26	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	10	2018	802-NM-313452-1 to 5782	5782
27	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	7	2017	802-NM-254094-4642 to 5734	1093
28	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	8	2017	802-NM-258305-3553 to 4402	850
29	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	6	2017	802-NM-250067-4612 to 5529	918
30	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	5	2017	802-NM-246242-5494 to 6453	960
31	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	9	2017	802-NM-262198-4898 to 6241	1344
32	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	10	2017	802-NM-266015-6111 to 8305	2195
33	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	11	2017	802-NM-270037-5819 to 8055	2237
34	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	12	2017	802-NM-273935-4559 to 6154	1596
35	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	1	2018	802-NM-277972-1 to 7604	7604
36	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	3	2018	802-NM-285757-1 to 7710	7710
37	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	4	2018	802-NM-289522-1 to 8217	8217
38	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	5	2018	802-NM-293383-1 to 7023	7023
39	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	7	2018	802-NM-301277-1 to 5175	5175
40	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	9	2018	802-NM-309137-1 to 6761	6761
41	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	8	2018	802-NM-305180-1 to 6338	6338
42	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	2	2018	802-NM-281856-1 to 7628	7628
43	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W802	Caprock Wind Farm - Caprock Wind Farm2	Quay	NM	Wind	6	2018	802-NM-297378-1 to 7932	7932
44	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	11	2020	2032-NM-460992-1 to 53	53
45	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	8	2020	2032-NM-455131-2 to 46	45
46	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	9	2020	2032-NM-455132-1 to 54	54
47	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	1	2020	2032-NM-379106-1 to 47	47
48	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	8	2020	2032-NM-420743-1 to 1	1
49	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	2	2020	2032-NM-383140-1 to 46	46
50	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	3	2020	2032-NM-388076-1 to 50	50
51	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	4	2020	2032-NM-406416-1 to 50	50
52	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	5	2020	2032-NM-406417-1 to 57	57
53	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	6	2020	2032-NM-420742-2 to 69	68
54	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	6	2020	2032-NM-406418-1 to 1	1
55	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	7	2020	2032-NM-413594-1 to 49	49
56	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	10	2020	2032-NM-455133-1 to 53	53
57	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2032	SRNM RFP - Haley Farms	Chaves	NM	Solar	12	2020	2032-NM-455134-1 to 53	53

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Line No.	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
58	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1337	Hobbs Service Center - Hobbs Solar	Lea	NM	Solar	11	2020	1337-NM-437088-1 to 3	3
59	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1337	Hobbs Service Center - Hobbs Solar	Lea	NM	Solar	7	2020	1337-NM-412161-1 to 3	3
60	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1337	Hobbs Service Center - Hobbs Solar	Lea	NM	Solar	9	2020	1337-NM-423579-1 to 3	3
61	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1337	Hobbs Service Center - Hobbs Solar	Lea	NM	Solar	6	2020	1337-NM-406830-1 to 4	4
62	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1337	Hobbs Service Center - Hobbs Solar	Lea	NM	Solar	5	2020	1337-NM-403346-1 to 4	4
63	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1337	Hobbs Service Center - Hobbs Solar	Lea	NM	Solar	12	2020	1337-NM-447246-1 to 3	3
64	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1337	Hobbs Service Center - Hobbs Solar	Lea	NM	Solar	3	2020	1337-NM-390111-1 to 3	3
65	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1337	Hobbs Service Center - Hobbs Solar	Lea	NM	Solar	2	2020	1337-NM-385367-1 to 3	3
66	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1337	Hobbs Service Center - Hobbs Solar	Lea	NM	Solar	8	2020	1337-NM-417463-1 to 3	4
67	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1337	Hobbs Service Center - Hobbs Solar	Lea	NM	Solar	1	2020	1337-NM-381059-1 to 2	2
68	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1337	Hobbs Service Center - Hobbs Solar	Lea	NM	Solar	4	2020	1337-NM-395840-1 to 4	4
69	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1337	Hobbs Service Center - Hobbs Solar	Lea	NM	Solar	10	2020	1337-NM-429927-1 to 4	4
70	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	9	2018	1026-NM-312155-50 to 242	193
71	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	10	2018	1026-NM-316040-36 to 191	156
72	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	6	2018	1026-NM-300075-47 to 224	178
73	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	7	2018	1026-NM-303936-43 to 199	157
74	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	4	2018	1026-NM-292025-67 to 361	295
75	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	5	2018	1026-NM-296018-62 to 306	245
76	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	1	2018	1026-NM-280449-27 to 143	117
77	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	2	2018	1026-NM-284336-56 to 291	236
78	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	3	2018	1026-NM-288199-74 to 364	291
79	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	12	2018	1026-NM-324083-47 to 248	202
80	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	12	2017	1026-NM-276550-49 to 261	213
81	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	11	2018	1026-NM-319926-41 to 217	177
82	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	10	2017	1026-NM-268470-68 to 363	296
83	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	11	2017	1026-NM-272487-53 to 292	240
84	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	8	2017	1026-NM-260613-20 to 95	76
85	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	9	2017	1026-NM-264520-45 to 226	182
86	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	6	2017	1026-NM-252436-45 to 212	168
87	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	7	2017	1026-NM-256538-16 to 76	61
88	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	8	2018	1026-NM-307826-47 to 213	167
89	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1026	Mesalands Community College - Mesalands	Quay	NM	Wind	5	2017	1026-NM-248509-61 to 279	219
90	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1913	PR Leyva Middle School - PV	Eddy	NM	Solar	5	2020	1913-NM-398999-1 to 2	2
91	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1913	PR Leyva Middle School - PV	Eddy	NM	Solar	8	2020	1913-NM-415495-1 to 1	1
92	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1913	PR Leyva Middle School - PV	Eddy	NM	Solar	10	2020	1913-NM-427913-1 to 2	2
93	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1913	PR Leyva Middle School - PV	Eddy	NM	Solar	1	2020	1913-NM-379126-1 to 2	2
94	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1913	PR Leyva Middle School - PV	Eddy	NM	Solar	2	2020	1913-NM-383171-1 to 2	2
95	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1913	PR Leyva Middle School - PV	Eddy	NM	Solar	3	2020	1913-NM-388096-1 to 2	2
96	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1913	PR Leyva Middle School - PV	Eddy	NM	Solar	4	2020	1913-NM-393151-1 to 3	3
97	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1913	PR Leyva Middle School - PV	Eddy	NM	Solar	6	2020	1913-NM-421784-1 to 3	3
98	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1913	PR Leyva Middle School - PV	Eddy	NM	Solar	9	2020	1913-NM-421785-1 to 4	4
99	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1913	PR Leyva Middle School - PV	Eddy	NM	Solar	11	2020	1913-NM-435277-1 to 2	2
100	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1913	PR Leyva Middle School - PV	Eddy	NM	Solar	7	2020	1913-NM-410749-1 to 3	3
101	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1653	ENMU - Roswell - PV Demonstration	Chaves	NM	Solar	11	2020	1653-NM-435232-1 to 4	4
102	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1653	ENMU - Roswell - PV Demonstration	Chaves	NM	Solar	12	2020	1653-NM-445400-1 to 5	5
103	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1653	ENMU - Roswell - PV Demonstration	Chaves	NM	Solar	9	2020	1653-NM-421733-1 to 4	4
104	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1653	ENMU - Roswell - PV Demonstration	Chaves	NM	Solar	7	2020	1653-NM-410773-1 to 4	4
105	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1653	ENMU - Roswell - PV Demonstration	Chaves	NM	Solar	6	2020	1653-NM-407429-1 to 6	6
106	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1653	ENMU - Roswell - PV Demonstration	Chaves	NM	Solar	3	2020	1653-NM-388044-1 to 3	3
107	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1653	ENMU - Roswell - PV Demonstration	Chaves	NM	Solar	8	2020	1653-NM-415448-1 to 5	5
108	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1653	ENMU - Roswell - PV Demonstration	Chaves	NM	Solar	2	2020	1653-NM-383094-1 to 4	4
109	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1653	ENMU - Roswell - PV Demonstration	Chaves	NM	Solar	5	2020	1653-NM-399917-1 to 5	5
110	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1653	ENMU - Roswell - PV Demonstration	Chaves	NM	Solar	10	2020	1653-NM-427866-1 to 4	4
111	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1653	ENMU - Roswell - PV Demonstration	Chaves	NM	Solar	4	2020	1653-NM-393106-1 to 5	5
112	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1653	ENMU - Roswell - PV Demonstration	Chaves	NM	Solar	1	2020	1653-NM-379074-1 to 4	4
113	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1820	Clovis High School - PV System	Curry	NM	Solar	1	2020	1820-NM-379094-1 to 2	2
114	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1820	Clovis High School - PV System	Curry	NM	Solar	10	2020	1820-NM-427887-1 to 2	2

Southwestern Public Service Company
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Line No.	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
115	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1820	Clovie High School - PV System	Curry	NM	Solar	5	2020	1820-NM-399914-1 to 4	4
116	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1820	Clovie High School - PV System	Curry	NM	Solar	2	2020	1820-NM-383126-1 to 2	2
117	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1820	Clovie High School - PV System	Curry	NM	Solar	8	2020	1820-NM-415470-1 to 3	3
118	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1820	Clovie High School - PV System	Curry	NM	Solar	3	2020	1820-NM-388064-1 to 3	3
119	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1820	Clovie High School - PV System	Curry	NM	Solar	4	2020	1820-NM-393129-1 to 3	3
120	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1820	Clovie High School - PV System	Curry	NM	Solar	6	2020	1820-NM-407394-1 to 4	4
121	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1820	Clovie High School - PV System	Curry	NM	Solar	7	2020	1820-NM-410767-1 to 3	3
122	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1820	Clovie High School - PV System	Curry	NM	Solar	9	2020	1820-NM-421761-1 to 3	3
123	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1820	Clovie High School - PV System	Curry	NM	Solar	12	2020	1820-NM-445421-1 to 2	2
124	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1820	Clovie High School - PV System	Curry	NM	Solar	11	2020	1820-NM-435254-1 to 3	3
125	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	1	2018	803-NM-277973-7370 to 38808	31439
126	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	3	2018	803-NM-285758-7707 to 39133	31427
127	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	5	2017	803-NM-246243-13204 to 31467	18264
128	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	2	2018	803-NM-281857-8009 to 41643	33635
129	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	6	2019	803-NM-345051-5543 to 7185	1643
130	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	6	2018	803-NM-297379-8098 to 38693	30656
131	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	5	2018	803-NM-293384-6991 to 34599	27609
132	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	4	2018	803-NM-289523-8630 to 46395	37766
133	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	7	2018	803-NM-301278-4862 to 23444	18583
134	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	8	2018	803-NM-305181-5015 to 24106	19092
135	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	9	2018	803-NM-309138-5425 to 27534	22110
136	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	1	2019	803-NM-325268-8435 to 38145	29711
137	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	2	2019	803-NM-332603-8775 to 42567	33793
138	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	3	2019	803-NM-333070-7846 to 35512	27667
139	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	3	2019	803-NM-333070-783 to 870	88
140	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	4	2019	803-NM-336872-631 to 796	166
141	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	5	2019	803-NM-340886-10819 to 38131	27313
142	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	12	2018	803-NM-321110-5635 to 30910	25276
143	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	10	2018	803-NM-313453-4758 to 25546	20789
144	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	11	2018	803-NM-317248-6690 to 36244	29555
145	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	7	2017	803-NM-254095-5116 to 25282	20167
146	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	8	2017	803-NM-258306-3338 to 16534	13197
147	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	5	2017	803-NM-246243-7316 to 13203	5888
148	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	6	2017	803-NM-250068-5428 to 20532	15105
149	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	6	2017	803-NM-250068-20533 to 26028	5496
150	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	9	2017	803-NM-262199-5589 to 28488	22900
151	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	11	2017	803-NM-270038-6752 to 37385	30634
152	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	10	2017	803-NM-266016-7304 to 39706	32403
153	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W803	San Juan Mesa - San Juan Mesa	Roosevelt	NM	Wind	12	2017	803-NM-273936-6376 to 34424	28049
154	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2293	SunE SP51 - SP51 Dollarhide	Lea	NM	Solar	1	2020	2293-NM-79212-1 to 1233	1233
155	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2293	SunE SP51 - SP51 Dollarhide	Lea	NM	Solar	2	2020	2293-NM-383265-1 to 1287	1287
156	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2293	SunE SP51 - SP51 Dollarhide	Lea	NM	Solar	5	2020	2293-NM-400160-1 to 1	1
157	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2293	SunE SP51 - SP51 Dollarhide	Lea	NM	Solar	11	2020	2293-NM-435346-1 to 1442	1442
158	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2293	SunE SP51 - SP51 Dollarhide	Lea	NM	Solar	12	2020	2293-NM-445528-1 to 1	1
159	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2293	SunE SP51 - SP51 Dollarhide	Lea	NM	Solar	7	2020	2293-NM-410889-1 to 2177	2177
160	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2293	SunE SP51 - SP51 Dollarhide	Lea	NM	Solar	9	2020	2293-NM-445527-1 to 1804	1804
161	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2293	SunE SP51 - SP51 Dollarhide	Lea	NM	Solar	10	2020	2293-NM-435345-1 to 1803	1803
162	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2293	SunE SP51 - SP51 Dollarhide	Lea	NM	Solar	6	2020	2293-NM-407509-1 to 2429	2429
163	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2293	SunE SP51 - SP51 Dollarhide	Lea	NM	Solar	5	2020	2293-NM-410888-2 to 2456	2455
164	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2293	SunE SP51 - SP51 Dollarhide	Lea	NM	Solar	4	2020	2293-NM-400159-1 to 2104	2104
165	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2293	SunE SP51 - SP51 Dollarhide	Lea	NM	Solar	3	2020	2293-NM-388180-1 to 1458	1458
166	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2293	SunE SP51 - SP51 Dollarhide	Lea	NM	Solar	8	2020	2293-NM-415572-1 to 2012	2012
167	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2294	SunE SP52 - SP52 Jal	Lea	NM	Solar	8	2020	2294-NM-417658-1 to 2176	2176
168	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2294	SunE SP52 - SP52 Jal	Lea	NM	Solar	3	2020	2294-NM-390318-1 to 1491	1491
169	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2294	SunE SP52 - SP52 Jal	Lea	NM	Solar	4	2020	2294-NM-403512-1 to 2158	2158
170	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2294	SunE SP52 - SP52 Jal	Lea	NM	Solar	5	2020	2294-NM-412189-2 to 2559	2558
171	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2294	SunE SP52 - SP52 Jal	Lea	NM	Solar	6	2020	2294-NM-405868-1 to 2556	2556

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Line No.	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
172	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2294	SunE SP52 - SP52 Jal	Lea	NM	Solar	10	2020	2294-NM-437270-1 to 1813	1813
173	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2294	SunE SP52 - SP52 Jal	Lea	NM	Solar	9	2020	2294-NM-447408-1 to 1848	1848
174	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2294	SunE SP52 - SP52 Jal	Lea	NM	Solar	7	2020	2294-NM-412190-1 to 2422	2422
175	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2294	SunE SP52 - SP52 Jal	Lea	NM	Solar	12	2020	2294-NM-447409-1 to 1	1
176	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2294	SunE SP52 - SP52 Jal	Lea	NM	Solar	11	2020	2294-NM-437271-1 to 1458	1458
177	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2294	SunE SP52 - SP52 Jal	Lea	NM	Solar	5	2020	2294-NM-403513-1 to 1	1
178	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2294	SunE SP52 - SP52 Jal	Lea	NM	Solar	2	2020	2294-NM-385627-1 to 1135	1135
179	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2294	SunE SP52 - SP52 Jal	Lea	NM	Solar	1	2020	2294-NM-381240-1 to 1208	1208
180	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2295	SunE SP53 - SP53 Lea	Lea	NM	Solar	1	2020	2295-NM-381241-1 to 1274	1274
181	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2295	SunE SP53 - SP53 Lea	Lea	NM	Solar	2	2020	2295-NM-385628-1 to 1342	1342
182	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2295	SunE SP53 - SP53 Lea	Lea	NM	Solar	11	2020	2295-NM-437273-1 to 1386	1386
183	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2295	SunE SP53 - SP53 Lea	Lea	NM	Solar	7	2020	2295-NM-412192-1 to 2213	2213
184	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2295	SunE SP53 - SP53 Lea	Lea	NM	Solar	9	2020	2295-NM-447410-1 to 1813	1813
185	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2295	SunE SP53 - SP53 Lea	Lea	NM	Solar	10	2020	2295-NM-437272-1 to 1766	1766
186	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2295	SunE SP53 - SP53 Lea	Lea	NM	Solar	6	2020	2295-NM-405869-1 to 2444	2444
187	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2295	SunE SP53 - SP53 Lea	Lea	NM	Solar	5	2020	2295-NM-412191-1 to 2539	2539
188	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2295	SunE SP53 - SP53 Lea	Lea	NM	Solar	4	2020	2295-NM-403514-1 to 2282	2282
189	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2295	SunE SP53 - SP53 Lea	Lea	NM	Solar	3	2020	2295-NM-390319-1 to 1449	1449
190	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2295	SunE SP53 - SP53 Lea	Lea	NM	Solar	8	2020	2295-NM-417659-1 to 1873	1873
191	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2296	SunE SP54 - SP54 Monument	Lea	NM	Solar	8	2020	2296-NM-415573-1 to 2176	2176
192	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2296	SunE SP54 - SP54 Monument	Lea	NM	Solar	3	2020	2296-NM-388181-1 to 1493	1493
193	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2296	SunE SP54 - SP54 Monument	Lea	NM	Solar	4	2020	2296-NM-410890-1 to 2375	2375
194	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2296	SunE SP54 - SP54 Monument	Lea	NM	Solar	5	2020	2296-NM-410891-1 to 2649	2649
195	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2296	SunE SP54 - SP54 Monument	Lea	NM	Solar	6	2020	2296-NM-407510-1 to 2649	2649
196	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2296	SunE SP54 - SP54 Monument	Lea	NM	Solar	10	2020	2296-NM-435347-1 to 1781	1781
197	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2296	SunE SP54 - SP54 Monument	Lea	NM	Solar	9	2020	2296-NM-445529-1 to 1836	1836
198	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2296	SunE SP54 - SP54 Monument	Lea	NM	Solar	7	2020	2296-NM-410892-1 to 2366	2366
199	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2296	SunE SP54 - SP54 Monument	Lea	NM	Solar	11	2020	2296-NM-435348-1 to 1436	1436
200	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2296	SunE SP54 - SP54 Monument	Lea	NM	Solar	12	2020	2296-NM-445530-1 to 1	1
201	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2296	SunE SP54 - SP54 Monument	Lea	NM	Solar	2	2020	2296-NM-383266-1 to 1406	1406
202	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2297	SunE SP55 - SP55 Hopi	Lea	NM	Solar	1	2020	2296-NM-379213-1 to 1300	1300
203	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2297	SunE SP55 - SP55 Hopi	Eddy	NM	Solar	1	2020	2297-NM-381242-1 to 1307	1307
204	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2297	SunE SP55 - SP55 Hopi	Eddy	NM	Solar	2	2020	2297-NM-385629-1 to 1310	1310
205	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2297	SunE SP55 - SP55 Hopi	Eddy	NM	Solar	11	2020	2297-NM-437275-1 to 1388	1388
206	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2297	SunE SP55 - SP55 Hopi	Eddy	NM	Solar	7	2020	2297-NM-412195-1 to 2225	2225
207	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2297	SunE SP55 - SP55 Hopi	Eddy	NM	Solar	9	2020	2297-NM-447411-1 to 1799	1799
208	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2297	SunE SP55 - SP55 Hopi	Eddy	NM	Solar	10	2020	2297-NM-437274-1 to 1745	1745
209	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2297	SunE SP55 - SP55 Hopi	Eddy	NM	Solar	6	2020	2297-NM-405870-1 to 2493	2493
210	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2297	SunE SP55 - SP55 Hopi	Eddy	NM	Solar	5	2020	2297-NM-412194-1 to 2634	2634
211	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2297	SunE SP55 - SP55 Hopi	Eddy	NM	Solar	4	2020	2297-NM-412193-1 to 2431	2431
212	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2297	SunE SP55 - SP55 Hopi	Eddy	NM	Solar	3	2020	2297-NM-390320-1 to 1507	1507
213	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2297	SunE SP55 - SP55 Hopi	Eddy	NM	Solar	8	2020	2297-NM-417660-1 to 1982	1982
214	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1527	SRNM2009-J-01 - SRNM2009-J-01	Eddy	NM	Solar	12	2020	1527-NM-461903-1 to 5	5
215	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1527	SRNM2009-J-01 - SRNM2009-J-01	Eddy	NM	Solar	1	2020	1527-NM-379085-1 to 1	1
216	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1563	SRNM2010-I-01 - SRNM2010-I-01	Eddy	NM	Solar	1	2020	1563-NM-459560-1 to 474	474
217	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1563	SRNM2010-I-01 - SRNM2010-I-01	Eddy	NM	Solar	12	2020	1563-NM-381743-1 to 1	1
218	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2019	SRNM2010-I-02 - SRNM2010-I-02	Chaves	NM	Solar	1	2020	2019-NM-386202-1 to 1	1
219	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2019	SRNM2010-I-02 - SRNM2010-I-02	Chaves	NM	Solar	2	2020	2020-NM-379135-1 to 2	2
220	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2021	SRNM2010-I-03 - SRNM2010-I-03	Chaves	NM	Solar	1	2020	2021-NM-381962-1 to 1	1
221	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2021	SRNM2010-I-04 - SRNM2010-I-04	Chaves	NM	Solar	1	2020	2022-NM-381141-1 to 1	1
222	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2022	SRNM2010-I-05 - SRNM2010-I-05	Chaves	NM	Solar	12	2020	2023-NM-459004-1 to 693	693
223	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2022	SRNM2010-I-05 - SRNM2010-I-05	Chaves	NM	Solar	1	2020	2023-NM-382206-1 to 1	1
224	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2023	SRNM2010-I-06 - SRNM2010-I-06	Chaves	NM	Solar	2	2020	2023-NM-387002-1 to 1	1
225	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2023	SRNM2010-I-06 - SRNM2010-I-06	Chaves	NM	Solar	1	2020	2024-NM-379139-1 to 1	1
226	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2026	SRNM2010-I-09 - SRNM2010-I-09	Roosevelt	NM	Solar	12	2020	2026-NM-462458-1 to 39	39
227	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W1564	SRNM2010-I-01 - SRNM2010-I-01	Quay	NM	Solar	12	2020	1564-NM-460829-1 to 98	98

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Line No.	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
229	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2027	SRNM2011-01 - SRNM2011-01	Eddy	NM	Solar	2	2020	2027-NM-383138-1 to 1	1
230	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2537	SRNM2011-02 - SRNM2011-02	Chaves	NM	Solar	1	2020	2537-NM-381304-1 to 2	2
231	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2946	SRNM2012-01 - SRNM2012-01	Lea	NM	Solar	1	2020	2946-NM-382223-1 to 1	1
232	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W2731	SRNM2012-01 - SRNM2012-01	Chaves	NM	Solar	12	2020	2731-NM-460031-1 to 126	126
233	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3465	SRNM2013-01 - SRNM2013-01	Chaves	NM	Solar	1	2020	3465-NM-382229-1 to 1	1
234	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3605	SRNM2013-02 - SRNM2013-02	Chavez	NM	Solar	2	2020	3605-NM-385973-1 to 2	2
235	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3606	SRNM2013-03 - SRNM2013-03	Chavez	NM	Solar	1	2020	3606-NM-382556-1 to 2	2
236	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3607	SRNM2013-04 - SRNM2013-04	Chavez	NM	Solar	2	2020	3607-NM-383673-1 to 1	1
237	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3608	SRNM2013-05 - SRNM2013-05	Chavez	NM	Solar	2	2020	3608-NM-385977-1 to 1	1
238	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3609	SRNM2013-06 - SRNM2013-06	Chavez	NM	Solar	2	2020	3609-NM-386376-1 to 1	1
239	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3610	SRNM2013-07 - SRNM2013-07	Chavez	NM	Solar	2	2020	3610-NM-383677-1 to 2	2
240	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3611	SRNM2013-08 - SRNM2013-08	Chavez	NM	Solar	2	2020	3611-NM-385981-1 to 3	3
241	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3612	SRNM2013-09 - SRNM2013-09	Chavez	NM	Solar	2	2020	3612-NM-383681-1 to 1	1
242	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3613	SRNM2013-10 - SRNM2013-10	Chavez	NM	Solar	2	2020	3613-NM-386213-1 to 1	1
243	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3614	SRNM2013-11 - SRNM2013-11	Chavez	NM	Solar	2	2020	3614-NM-385892-1 to 1	1
244	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3615	SRNM2013-12 - SRNM2013-12	Chavez	NM	Solar	2	2020	3615-NM-383622-1 to 3	3
245	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3616	SRNM2013-13 - SRNM2013-13	Chavez	NM	Solar	2	2020	3616-NM-386380-1 to 1	1
246	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3616	SRNM2013-13 - SRNM2013-13	Chavez	NM	Solar	12	2020	3616-NM-459675-1 to 178	178
247	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3617	SRNM2013-14 - SRNM2013-14	Chavez	NM	Solar	12	2020	3617-NM-459329-1 to 45	45
248	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3617	SRNM2013-14 - SRNM2013-14	Chavez	NM	Solar	2	2020	3617-NM-385894-1 to 1	1
249	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3618	SRNM2013-15 - SRNM2013-15	Chavez	NM	Solar	2	2020	3618-NM-383626-1 to 1	1
250	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3618	SRNM2013-15 - SRNM2013-15	Chavez	NM	Solar	12	2020	3618-NM-462249-1 to 154	154
251	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3619	SRNM2013-16 - SRNM2013-16	Chavez	NM	Solar	12	2020	3619-NM-459677-1 to 45	45
252	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W3619	SRNM2013-16 - SRNM2013-16	Chavez	NM	Solar	2	2020	3619-NM-386383-1 to 2	2
253	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W4389	SRNM2014-01 - SRNM2014-01	EDDY	NM	Solar	2	2020	4389-NM-386119-1 to 2	2
254	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W4389	SRNM2014-01 - SRNM2014-01	EDDY	NM	Solar	10	2019	4389-NM-395402-1 to 29	29
255	NM RPS 2020	NM	2020	In-State/Province Resource		RPS	W4079	SRNM2014-01 - SRNM2014-01	Chaves	NM	Solar	12	2020	4079-NM-459680-1 to 205	205

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REC Transaction Detail

Year	Qtr	Type	Facility ID	Start #	End #	# of RECs	Last Operation Date	Retire Reason	Compliance Year	Memo	Select
2020	1	Wind	1411	1	508798	508,798.00	10/23/2020 12:19				
2020	2	Wind	1411	1	577237	577,237.00	10/23/2020 12:19				
2020	3	Wind	1411	1	412867	412,867.00	3/18/2021 18:40				
2020	4	Wind	1411	1	586067	586,067.00	3/18/2021 18:40				
Sum						2,094,969.00					
Hale NM Jurisdictional Share						676,624.00					

My RECs

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REC Generator List

Company Name	Power Generating Company Name	Facility Identification Number	Generator Site Code	Generator Site Name	Technology Type	Facility Noncompetitive Certification Data
Southwestern Public Service Company (Hale)	Southwestern Public Service (Hale)	1411	Hale Wind	Hale Wind	Wind	46821

Unit Contact Information

Name:

Address1:

Address2:

City:

State:

Country:

Zip Code:

Phone Number:

Fax Number:

Email:

Anthony Aragon

2493 FM 37

Petersburg

Texas

USA

79250

805-638-9910

ERCOTaccountant@vccenergy.com

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

*Required

**Required for Retail Entity

New Account Application		
Account Type:*	☒ RecGenerator ☐ MixedGenerator ☐ RecBroker ☐ RecTradeExchange ☐ Other	☐ RecOffsetGenerator ☐ RetailEntity Re
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:*	SPSTX9	
Password:*	SPSua2019!	(5-10 characters, at least one capital letter, one lower case letter, one number, and one symbol)
Confirm Password:*	SPSua2019!	TRUE
Security Question:	Which Department?	
Security Answer:	Accounting	
Provide the following information if you have selected the RETAIL ENTITY account type:		
ERCOT Polls Unit:**		
		If checked, then enter a NAME below:
		Name of Metering Data Provider
ERCOT Designation:**		Is your generating facility affiliated with ERCOT
Texas Designation:**		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 facility by the PUCT
		Certified Date (mm/dd/yyyy) - effective date for certification Given to the generating facility 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

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My RECS

REC Transaction Detail

Year	Qtr	Type	Facility ID	Start #	End #	# of RECs	Last Operation	Last Operation Date	Retire Reason	Compliance Year	Memo	Select
2020	1	Wind	1411	404986	413141	8,156.00	Transfer from Southwestern Public Service Company to Golden Spread Electric Cooperative, Inc. confirmed	5/13/2021 11:15				
2020	2	Wind	1411	495357	503511	8,155.00	Transfer from Southwestern Public Service Company to Golden Spread Electric Cooperative, Inc. confirmed	5/13/2021 11:15				
2020	1	Wind	1411	434731	444730	10,000.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:32				
2020	2	Wind	1411	525101	535100	10,000.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:32				
2020	3	Wind	1411	372730	382729	10,000.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:32				
2020	4	Wind	1411	533287	543286	10,000.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:32				
2020	3	Wind	1411	369406	372729	3,324.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:33				
2020	1	Wind	1411	430523	434730	4,208.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:33				
2020	2	Wind	1411	520933	525100	4,208.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:33				
2020	1	Wind	1411	415318	430522	15,205.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:34				
2020	2	Wind	1411	505688	520932	15,205.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:34				
2020	3	Wind	1411	349993	365197	15,205.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:34				
2020	4	Wind	1411	513875	529077	15,203.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:34				
2020	3	Wind	1411	365198	369405	4,208.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:34				
2020	4	Wind	1411	511698	513874	2,177.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:34				
2020	1	Wind	1411	413142	415317	2,176.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:34				
2020	3	Wind	1411	347817	349992	2,176.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:35				
2020	4	Wind	1411	529078	533286	4,209.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:35				
2020	2	Wind	1411	503512	505687	2,176.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	5/19/2021 15:35				
2020	1	Wind	1411	398703	404985	6,283.00	Transfer from Southwestern Public Service Company to City of Lubbock through Lubbock Power and Light confirmed	5/20/2021 8:53				
2020	2	Wind	1411	489074	495356	6,283.00	Transfer from Southwestern Public Service Company to City of Lubbock through Lubbock Power and Light confirmed	5/20/2021 8:53				
2020	3	Wind	1411	341534	347816	6,283.00	Transfer from Southwestern Public Service Company to City of Lubbock through Lubbock Power and Light confirmed	5/20/2021 8:53				
2020	4	Wind	1411	505415	511697	6,283.00	Transfer from Southwestern Public Service Company to City of Lubbock through Lubbock Power and Light confirmed	5/20/2021 8:53				
2020	4	Wind	1411	500093	505414	5,322.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	6/21/2021 14:30				
2020	4	Wind	1411	488701	489748	1,048.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	6/21/2021 14:30				
2020	4	Wind	1411	489749	497917	8,169.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	6/21/2021 14:30				
2020	4	Wind	1411	497918	500092	2,175.00	Transfer from Southwestern Public Service Company to Western Farmers Electric Cooperative confirmed	6/21/2021 14:30				
2020	4	Wind	1411	485292	488700	3,409.00	Transfer from Southwestern Public Service Company to City of Lubbock through Lubbock Power and Light confirmed	6/24/2021 15:11				
2020	3	Wind	1411	338526	341533	2,708.00	Transfer from Southwestern Public Service Company to Golden Spread Electric Cooperative, Inc. confirmed	6/25/2021 10:47				
						Sum	193,954.00					

DeAnn T. Walker
Chairman

Arthur C. D'Andrea
Commissioner

Shelly Botkin
Commissioner

John Paul Urban
Executive Director



Greg Abbott
Governor

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PUBLIC UTILITY COMMISSION
FILING CLERK

Public Utility Commission of Texas

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.



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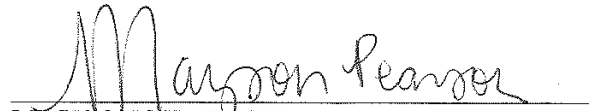
Project No. 49621

Corrected Notice of Approval

Page 2 of 2

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

PUBLIC UTILITY COMMISSION OF TEXAS

A handwritten signature in cursive script, reading "Mayson Pearson", written over a horizontal line.

MAYSON PEARSON

ADMINISTRATIVE LAW JUDGE

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?	Yes ____ No ____ N/A
	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.	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.



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
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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

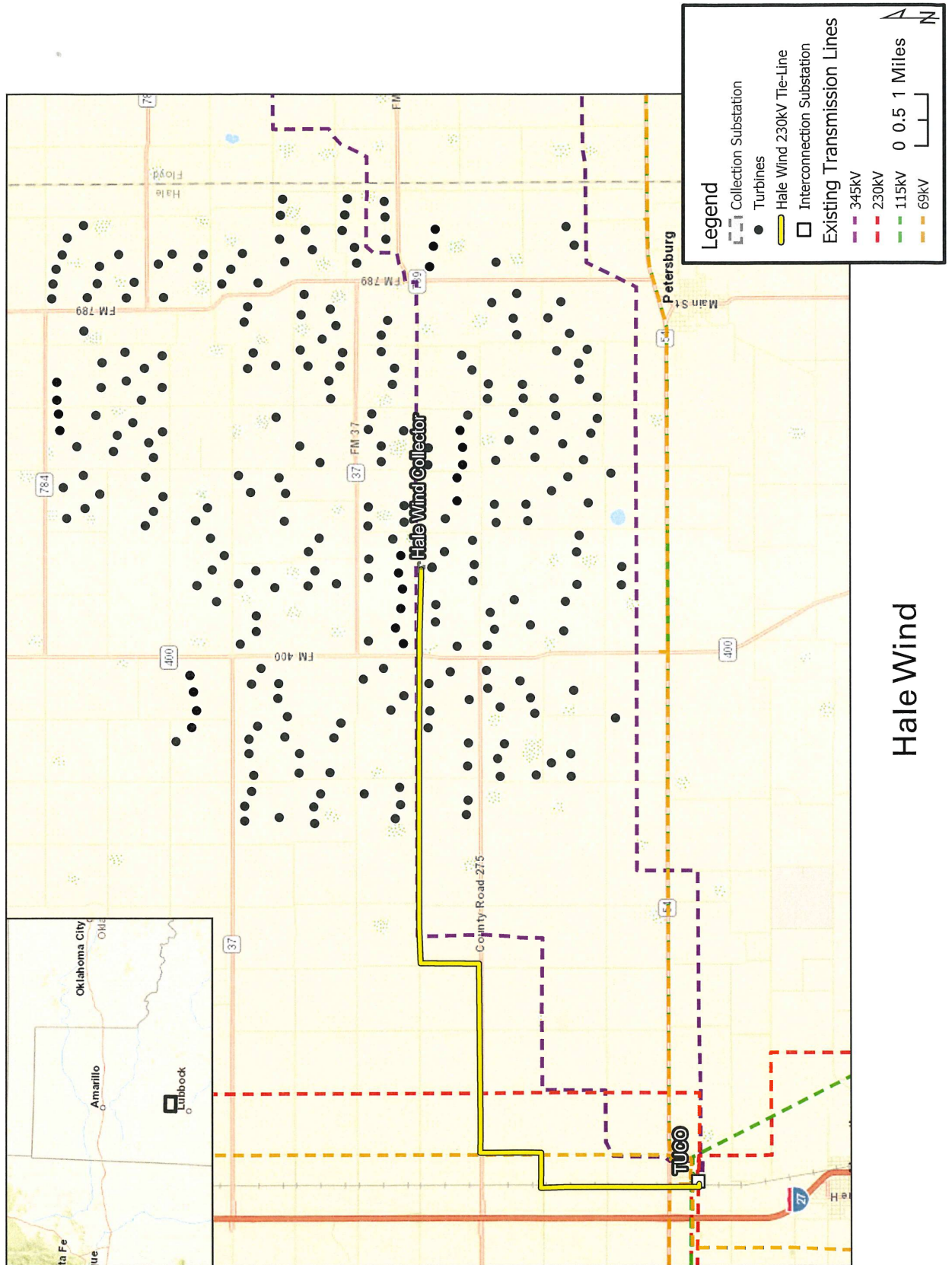
Turbine Pad	Manufacturer	Make	Serial Number(s)	Date Commercial Operation Began/Begins	Capacity per Unit (MW)	Number of Units	Capacity (MW)
61	Vestas	V116	NB18018011	06/28/2019	2.00	1	2
62	Vestas	V116	NB18018037	06/28/2019	2.00	1	2
63	Vestas	V116	NB18018029	06/28/2019	2.00	1	2
64	Vestas	V116	NB18018002	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

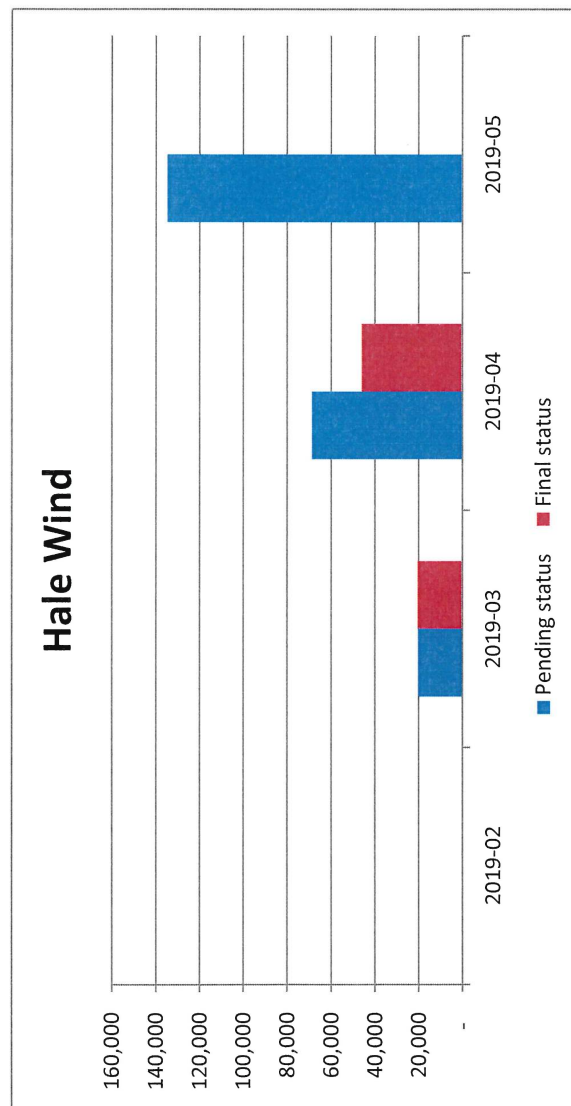
Turbine Pad	Manufacturer	Make	Serial Number(s)	Date Commercial Operation Began/Begins	Capacity per Unit (MW)	Number of Units	Capacity (MW)
181	Vestas	V116	NB18018335	06/28/2019	2.00	1	2
182	Vestas	V116	NB18018330	06/28/2019	2.00	1	2
186	Vestas	V116	NB18018456	06/28/2019	2.00	1	2
187	Vestas	V116	NB18018361	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



Hale Wind

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 2020

Renewable Energy Cost Component	Description	2020	
		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 12/21/2004
			Case No. 05-00354-UT 12/20/2005
			Case No. 12-00350-UT 3/26/2014
			Case No. 14-00198-UT 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 2020

Renewable Energy Cost Component	Description	2020	
		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. RECs. The RECs are currently assigned a value of \$10/MWh. As of January 1, 2021 RECs are assigned a value based on the Roswell and Chaves Solar REC prices.	Case No. 10-00015-UT	9/14/2010
		Case No. 12-00350-UT	3/26/2014
		Case No. 14-00198-UT	12/10/2014
		Case No. 20-00143-UT	12/16/2020
		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 <u>directly assigned</u> 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. 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.	Case No. 12-00350-UT	3/26/2014
		Case No. 14-00198-UT	12/10/2014
	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 2020

Renewable Energy Cost Component	Description	2020	
		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 3/26/2014
			Case No. 14-00198-UT 12/10/2014
Reconciliation Rider	RPS Reconciliation 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 Reconciliation 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 2020

Line No.	Description	(A) = (B) + (D) + (F)		(B)		(C)		(D)		(E)		(F)		(G) = (C) + (E) + (F)	
		Total Cost	Base Rates	Base Rates		NM Retail Base Rates		System Fuel ¹		NM Retail Allocation - Fuel		RPS Rider		Total NM Retail Allocation	
1	Wind														
2	Energy Only (San Juan, Caprock, Mesalands)	\$ 22,840,243	\$ -	\$ -	\$ 22,840,243	\$ 7,417,105	\$ -	\$ -	\$ -	\$ 7,417,105	\$ -	\$ -	\$ 7,417,105	\$ -	\$ 7,417,105
3	RECs (San Juan, Caprock)	846,952	-	-	-	-	-	-	-	-	-	846,952	-	846,952	846,952
4	Total Wind (L2:L3)	\$ 23,687,195	\$ -	\$ -	\$ 22,840,243	\$ 7,417,105	\$ -	\$ -	\$ -	\$ 7,417,105	\$ -	\$ 846,952	\$ -	\$ 8,264,057	\$ 8,264,057
5	Owned Wind ²														
6	Base Rates	\$ 55,719,297	\$ 55,719,297	\$ 17,998,444	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,998,444	\$ 17,998,444
7	Fuel Savings	(19,194,698)	-	-	(19,194,698)	(6,217,440)	-	-	(19,194,698)	(6,217,440)	-	-	-	(6,217,440)	(6,217,440)
8	PTCs	(39,986,219)	-	-	(39,986,219)	(12,954,545)	-	-	(39,986,219)	(12,954,545)	-	-	-	(12,954,545)	(12,954,545)
9	Total Owned Wind (L6:L8)	\$ (3,461,620)	\$ 55,719,297	\$ 17,998,444	\$ (59,180,917)	\$ (19,171,986)	\$ -	\$ -	\$ (59,180,917)	\$ (19,171,986)	\$ -	\$ -	\$ -	\$ (1,173,542)	\$ (1,173,542)
10	Solar (SunE PPAs)														
11	Economic Energy	\$ 2,799,517	\$ -	\$ -	\$ 2,799,517	\$ 904,025	\$ -	\$ -	\$ 2,799,517	\$ 904,025	\$ -	\$ -	\$ 904,025	\$ -	\$ 904,025
12	Uneconomic Energy	10,923,776	-	-	-	-	-	-	-	-	-	10,923,776	-	10,923,776	10,923,776
13	RECs	1,101,046	-	-	-	-	-	-	-	-	-	1,101,046	-	1,101,046	1,101,046
14	Total Solar (L11:L13)	\$ 14,824,340	\$ -	\$ -	\$ 2,799,517	\$ 904,025	\$ -	\$ -	\$ 2,799,517	\$ 904,025	\$ -	\$ 12,024,822	\$ -	\$ 12,928,847	\$ 12,928,847
15	DG														
16	Incentives & Administration	\$ 2,300,931	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,300,931	\$ -	\$ 2,300,931	\$ 2,300,931
17	Total DG	\$ 2,300,931	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,300,931	\$ -	\$ 2,300,931	\$ 2,300,931
18	WREGIS														
19	Registration Costs	\$ 6,702	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,702	\$ -	\$ 6,702	\$ 6,702
20	Total WREGIS	\$ 6,702	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,702	\$ -	\$ 6,702	\$ 6,702
21	Total Renewable Energy Costs (L4 + L9 + L15 + L17 + L20))	\$ 37,357,547	\$ 55,719,297	\$ 17,998,444	\$ (33,541,157)	\$ (10,850,856)	\$ 15,179,407	\$ 22,326,995							

¹ Represents a total company (SPS) amount before allocation among SPS's three jurisdictions (NM Retail, TX Retail, and FERC).
² Hale 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 2020

Line No.	Description	(A) Total Projected Costs		(B) Actual Costs		(C) Revenue		(D)=(C)-(B) Over/(Under) Recovery	
1	2018 RPS Rider Reconciliation (Return Over-Recovery)	\$	(2,299,902.74)	\$	(2,299,902.75)	\$	(1,065,423.18)	\$	1,234,479.57
2	2018 Rider Interest		20,277.90		20,277.90		9,393.68		(10,884.22)
3	2019 Costs Charged in Excess of the Large Customer Cap		1,346,737.00		2,395,568.83		623,871.96		(1,771,696.87)
	Portion for RPS Reconciliation Rate (Tariff No. 77)								
4	(L1:L3) ¹	\$	(932,887.85)	\$	115,943.98	\$	(432,157.55)	\$	(548,101.53)
5	<u>Prior Period Amounts:</u>								
6	2013 REC Tracker Reconciliation		31,505.19		31,505.19		31,505.19		-
7	REC Tracker Interest		2,745.68		1,841.48		1,841.48		-
8	Return REC Sales Margin		(111,156.75)		(111,156.75)		(111,156.75)		-
	Total Under (Over)-Recovery of Amortizations and								
9	Prior Period Amounts (L6:L8)	\$	(76,905.89)	\$	(77,810.09)	\$	(77,810.08)	\$	-
10	<u>Concurrent Recovery of Current Costs:</u>								
11	DG (Incentive, Admin, and Marketing)		2,303,744.47		2,300,930.85		1,897,350.54		(403,580.31)
12	WREGIS		15,300.00		6,702.00		9,140.01		2,438.01
13	SunE RECs (at \$10/MWh)		904,600.00		1,101,046.24		836,606.32		(264,439.92)
14	SunE Uneconomic Costs		9,805,238.02		10,923,776.16		8,288,597.80		(2,635,178.36)
15	Wind RECs (at \$1.35/MWh)		854,513.08		846,952.19		678,997.05		(167,955.15)
	Total Under-Recovery on Current Costs								
16	(Sum L11:L15)	\$	13,883,395.57	\$	15,179,407.44	\$	11,710,691.72	\$	(3,468,715.72)
17	Portion for RPS Rider Rate (Tariff No. 70) (+L9+L16)¹	\$	13,806,489.68	\$	15,101,597.36	\$	11,632,881.64	\$	(3,468,715.72)
	Total (+L4+L17)	\$	12,873,601.84	\$	15,217,541.34	\$	11,200,724.09	\$	(4,016,817.25)

¹ Return of 2018 Over-Recovery and 2019 costs charged in excess of the large customer cap 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 2020

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
				Price	Estimated Price per kWh						
1	Jan-20		463,781	\$ 11,024	\$ 0.023769	\$ 8,298	\$ 0.017892				
2	Feb-20		545,072	\$ 12,447	\$ 0.022835	\$ 9,124	\$ 0.016739				
3	Mar-20		529,325	\$ 12,036	\$ 0.022738	\$ 11,384	\$ 0.021507				
4		Quarter 1		\$ 35,506		\$ 28,806			\$ 6,699	\$ 9	\$ 6,708
5	Apr-20		410,429	\$ 9,320	\$ 0.022709	\$ 6,568	\$ 0.016004				
6	May-20		459,358	\$ 10,432	\$ 0.022709	\$ 12,220	\$ 0.026602				
7	Jun-20		460,511	\$ 10,458	\$ 0.022709	\$ 12,430	\$ 0.026993				
8		Quarter 2		\$ 30,210		\$ 31,219			\$ (1,009)	\$ (1)	\$ (1,010)
9	Jul-20		412,030	\$ 9,357	\$ 0.022709	\$ 9,761	\$ 0.023690				
10	Aug-20		266,447	\$ 6,051	\$ 0.022709	\$ 5,936	\$ 0.022277				
11	Sep-20		295,817	\$ 6,718	\$ 0.022709	\$ 5,880	\$ 0.019876				
12		Quarter 3		\$ 22,125		\$ 21,576			\$ 549	\$ 1	\$ 550
13	Oct-20		357,010	\$ 8,107	\$ 0.022709	\$ 6,697	\$ 0.018757				
14	Nov-20		517,825	\$ 11,759	\$ 0.022709	\$ 8,188	\$ 0.015813				
15	Dec-20		480,161	\$ 10,904	\$ 0.022709	\$ 15,136	\$ 0.031522				
16		Quarter 4		\$ 30,771		\$ 30,021			\$ 750	\$ 1	\$ 751
19	2020 Total (Refund) (L4+L8+L12+L16)										
									\$ 6,990	\$ 9	\$ 6,999

Southwestern Public Service Company
Appendix H: RPS Rule Map
For the 2020 RPS Report

REPORT (Rule
572.19)

<u>Requirement</u>	<u>Rule Citation</u>	<u>Reference</u>
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
Document from WREGIS and ERCOT (RECs):	19.C	
1) acquired	19.C1	
2) sold	19.C2	
3) retired	19.C3	RPS Report Appendix B
4) transferred and	19.C4	
5) expired	19.C5	
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:		
4 1. purchases by retail customers through an approved voluntart program, or	19.D	RPS Report Appendix A
2. due to the RCT		RPS Report Appendices C-E
3. explain and demonstrate how the reduction was determined		RPS Report Section II
4. quantity of RECc banked for future compliance use		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

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.

RPS Report Appendix A
RPS Report Section II
RPS Report Section IV
RPS Report Section VII

19.G

**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:			
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			
11		§ 62-16-5 (B) (3)	RPS Report Appendix B
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			
12		§ 62-16-5 (B) (4)	RPS Report Appendix A
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			
13		§ 62-16-5 (C)	RPS Report Section II

SOUTHWESTERN PUBLIC SERVICE COMPANY

**2021 FILING OF THE ANNUAL RENEWABLE ENERGY ACT
PLAN FOR 2022 PLAN YEAR AND 2023 NEXT PLAN YEAR**

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

July 1, 2021

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GLOSSARY OF ACRONYMS AND DEFINED TERMS

<u>Acronym/Defined Term</u>	<u>Meaning</u>
2018 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 2023
Plan Year	SPS’s Annual Renewable Energy Act Plan for 2022
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

<u>Appendix</u>	<u>Description</u>
Appendix A	2022 and 2023 RPS Summary
Appendix B	2022 and 2023 RPS Cost and Recovery Summary
Appendix C	2022 and 2023 RPS Cost Detail
Appendix D	Non-Renewable Facility Information Provided in Accordance with Section 62-16-4 (G) (2) of the REA

I. INTRODUCTION

Southwestern Public Service Company (“SPS”), a New Mexico corporation, files its 2021 Annual Renewable Energy Act Filing for 2022 (“Plan Year”) and 2023 (“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 8,241,826 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)	8,241,826
2	Less: MWh Sales Under Voluntary Programs (Solar*Connect)	4,706
3	Net Retail Less Solar*Connect [Line 1 – Line 2]	8,237,120
4	RPS Percentage for Plan Year	20%
5	Total RPS Requirement for Plan Year [Line 3 * Line 4]	1,647,424

In the Next Plan Year, provided for informational purposes, SPS projects that its New Mexico retail sales will be 8,720,857 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	8,720,857
2	Less: MWh Sales Under Voluntary Programs (Solar*Connect)	5,370
3	Net Retail Less Solar*Connect [Line 1 – Line 2]	8,715,487
4	RPS Percentage for Next Plan Year	20%
5	Total RPS Requirements for Next Plan Year [Line 3 + Line 4]	1,743,097

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-UT¹, 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-UT², as well as RECs acquired through annual DG generation. 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 \$185,775,968 (total company) or \$74,653,835 (New Mexico retail). In the Next Plan Year, SPS projects its annual renewable procurement costs to be a \$188,508,470 (total company) or \$79,294,450 (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 resource type and program cost, at a summary level. Appendix C provides the detailed calculations and assumptions used to provide the procurement costs.

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.

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 2022 RPS revenue requirement, additional detail on RPS cost amounts, and the calculation of the 2022 RPS Rider rate and 2022 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.

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

SPS's current Integrated Resource Plan ("2018 IRP") was accepted in Case No. 18-00215-UT.⁴ In its 2018 IRP, SPS assumed for modeling purposes, full compliance with the RPS requirements of the Renewable Energy Act and Rule 572. Nevertheless, in

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).

⁴ Case No. 18-00215-UT, *In the Matter of Southwestern Public Service Company's 2018 Integrated Resource Plan for New Mexico*, Final Order (December 5, 2018).

recognition of SPS's RCT constraints, SPS did not propose in its 2018 IRP to acquire additional RPS-related renewable resources. This Plan is consistent with the 2018 IRP in that it also does not propose to acquire additional RPS-related renewable resources. SPS's next IRP filing will be in July 2021.

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

SPS's 2022 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.

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 2022

Line No.	Description	Total
1	2022 NM Retail Sales	8,241,826
2	Less Voluntary Program Sales (Solar*Connect)	4,706
3	Net 2022 NM Retail Sales	8,237,120
4	Overall RPS Requirement (%)	20%
5	RPS Obligation (L3 * L4)	1,647,424
6	Beginning REC Balance	2,614,654
7	Generation (NM REC Allocation):	
8	<u>Wind</u>	
9	Hale	775,802
10	Sagamore	879,245
11	Caprock Generation	302,548
12	San Juan Generation	389,776
13	Mesalands Generation	-
14	Mammoth Plains	294,767
15	Palo Duro	399,898
16	<u>Solar</u>	
17	SunEdison Solar Generation	104,411
18	Roswell	58,124
19	Chaves	58,732
20	<u>Distributed Generation</u>	
21	Company Owned Solar Generation	146
22	SolarRewards	6,440
23	Total Annual Generation (Sum L9 : L22)	3,269,890
24	Less Deemed Retired RECs	-
25	Less Annual RPS Obligation (L5)	1,647,424
26	REC Adjustments from Prior Years	-
27	Annual Excess/(Deficiency) (L23 - L24- L25 + L26) ¹	1,622,466
28	Cumulative Excess/(Deficiency) (L6 + L27)	4,237,120

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 2023

Line No.	Description	Total
1	2023 NM Retail Sales	8,720,857
2	Less Voluntary Program Sales (Solar*Connect)	5,370
3	Net 2023 NM Retail Sales	8,715,487
4	Overall RPS Requirement (%)	20%
5	RPS Obligation (L3 * L4)	1,743,097
6	Beginning REC Balance	4,237,120
7	Generation (NM REC Allocation):	
8	<u>Wind</u>	
9	Hale	822,978
10	Sagamore	952,042
11	Caprock Generation	312,104
12	San Juan Generation	402,087
13	Mesalands Generation	-
14	Mammoth Plains	312,692
15	Palo Duro	424,216
16	<u>Solar</u>	
17	SunEdison Solar Generation	103,575
18	Roswell	61,135
19	Chaves	61,758
20	<u>Distributed Generation</u>	
21	Company Owned Solar Generation	146
22	SolarRewards	3,504
23	Total Annual Generation (Sum L9 : L22)	3,456,237
24	Less Deemed Retired RECs	
25	Less Annual RPS Obligation (L5)	1,743,097
26	REC Adjustments from Prior Years	-
27	Annual Excess/(Deficiency) (L23 - L24 - L25 + L26) ¹	1,713,140
28	Cumulative Excess/(Deficiency) (L6 + L27)	5,950,260

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 2022

Line No.	Description	(A) = (B) + (D) + (F)	(B)	(C)	(D)	(E)	(F)	(G) = (C) + (E) + (F)
		Total Cost	Base Rates	NM Retail Base Rates *	System Fuel *	NM Retail Allocation - Fuel *	RPS Rider	Total NM Retail Allocation
Wind								
1	Energy Only (San Juan, Caprock)	\$ 26,392,227	\$ -	\$ -	\$ 26,392,227	\$ 9,166,017	\$ -	\$ 9,166,017
2	RECs (San Juan, Caprock, Less							
3	Wholesale Transfers)	934,638	-	-	-	-	934,638	934,638
4	Mammoth Plains Energy Only	18,697,742	-	-	18,697,742	6,493,723	-	6,493,723
5	Mammoth Plains RECs	309,506	-	-	-	-	309,506	309,506
6	Palo Duro Energy Only	26,022,309	-	-	26,022,309	9,037,544	-	9,037,544
7	Palo Duro RECs	419,893	-	-	-	-	419,893	419,893
8	Total Wind	\$ 72,776,316	\$ -	\$ -	\$ 71,112,279	\$ 24,697,284	\$ 1,664,037	\$ 26,361,321
Owned Wind								
9	Base Rates **	\$ 237,939,475	\$ 237,939,475	\$ 82,636,346	\$ -	\$ -	\$ -	\$ 82,636,346
10	PTCs	(154,002,803)	-	-	(154,002,803)	(53,485,151)	-	(53,485,151)
11	Total Owned Wind	\$ 83,936,672	\$ 237,939,475	\$ 82,636,346	\$ (154,002,803)	\$ (53,485,151)	\$ -	\$ 29,151,194
Solar								
13	SunE Economic Energy	\$ 2,142,444	\$ -	\$ -	\$ 2,142,444	\$ 744,070	\$ -	\$ 744,070
14	SunE Uneconomic Energy	12,761,776	-	-	-	-	12,761,776	12,761,776
15	SunE RECs	57,879	-	-	-	-	57,879	57,879
16	Roswell Energy Only - NM Alloc	6,458,745	-	-	6,458,745	2,243,121	-	2,243,121
17	Roswell RECs - NM Alloc	32,247	-	-	-	-	32,247	32,247
18	Chaves Energy Only - NM Alloc	6,599,758	-	-	6,599,758	2,292,095	-	2,292,095
19	Chaves RECs - NM Alloc	32,530	-	-	-	-	32,530	32,530
20	Total Solar	\$ 28,085,381	\$ -	\$ -	\$ 15,200,947	\$ 5,279,287	\$ 12,884,433	\$ 18,163,720
DG								
22	Incentives & Administration	\$ 960,653	\$ -	\$ -	\$ -	\$ -	\$ 960,653	\$ 960,653
23	Total DG	\$ 960,653	\$ -	\$ -	\$ -	\$ -	\$ 960,653	\$ 960,653
WREGIS								
25	Registration Costs	\$ 16,946	\$ -	\$ -	\$ -	\$ -	\$ 16,946	\$ 16,946
26	Total WREGIS	\$ 16,946	\$ -	\$ -	\$ -	\$ -	\$ 16,946	\$ 16,946
Total Renewable Energy Costs (L8 + L12 + L21 + L24 + L27)								
28		\$ 185,775,968	\$ 237,939,475	\$ 82,636,346	\$ (67,689,577)	\$ (23,508,580)	\$ 15,526,070	\$ 74,653,835

* 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 \$19.24/MWh shown here (\$51.56-(\$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 2023

Line No.	Description	(A) = (B) + (D) + (F)	(B)	(C)	(D)	(E)	(F)	(G) = (C) + (E) + (F)
		Total Cost	Base Rates	NM Retail Base Rates *	System Fuel *	NM Retail Allocation - Fuel *	RPS Rider	Total NM Retail Allocation
Wind								
1	Energy Only (San Juan, Caprock)	\$ 27,077,019	\$ -	\$ -	\$ 27,077,019	\$ 9,975,686	\$ -	\$ 9,975,686
2	RECs (San Juan, Caprock, Less							
3	Wholesale Transfers)	964,157	-	-	-	-	964,157	964,157
4	Mammoth Plains Energy Only	19,071,188	-	-	19,071,188	7,026,186	-	7,026,186
5	Mammoth Plains RECs	328,326	-	-	-	-	328,326	328,326
6	Palo Duro Energy Only	26,490,711	-	-	26,490,711	9,759,679	-	9,759,679
7	Palo Duro RECs	445,427	-	-	-	-	445,427	445,427
8	Total Wind	\$ 74,376,828	\$ -	\$ -	\$ 72,638,918	\$ 26,761,552	\$ 1,737,910	\$ 28,499,462
Owned Wind								
9	Base Rates **	\$ 240,712,322	\$ 240,712,322	\$ 88,682,973	\$ -	\$ -	\$ -	\$ 88,682,973
10	PTCs	(155,698,444)	-	-	(155,698,444)	(57,362,252)	-	(57,362,252)
12	Total Owned Wind	\$ 85,013,878	\$ 240,712,322	\$ 88,682,973	\$ (155,698,444)	\$ (57,362,252)	\$ -	\$ 31,320,721
Solar								
13	SunE Economic Energy	\$ 2,063,955	\$ -	\$ -	\$ 2,063,955	\$ 760,400	\$ -	\$ 760,400
14	SunE Uneconomic Energy	13,209,753	-	-	-	-	13,209,753	13,209,753
15	SunE RECs	58,564	-	-	-	-	58,564	58,564
16	Roswell Energy Only - NM Alloc	6,532,024	-	-	6,532,024	2,406,521	-	2,406,521
17	Roswell RECs - NM Alloc	34,596	-	-	-	-	34,596	34,596
18	Chaves Energy Only - NM Alloc	6,672,839	-	-	6,672,839	2,458,400	-	2,458,400
19	Chaves RECs - NM Alloc	34,891	-	-	-	-	34,891	34,891
20	Total Solar	\$ 28,606,622	\$ -	\$ -	\$ 15,268,818	\$ 5,625,321	\$ 13,337,805	\$ 18,963,126
DG								
22	Incentives & Administration	\$ 493,343	\$ -	\$ -	\$ -	\$ -	\$ 493,343	\$ 493,343
23	Total DG	\$ 493,343	\$ -	\$ -	\$ -	\$ -	\$ 493,343	\$ 493,343
WREGIS								
25	Registration Costs	\$ 17,798	\$ -	\$ -	\$ -	\$ -	\$ 17,798	\$ 17,798
26	Total WREGIS	\$ 17,798	\$ -	\$ -	\$ -	\$ -	\$ 17,798	\$ 17,798
Total Renewable Energy Costs (L8 + L12 + L21 + L24 + L27)								
28		\$ 188,508,470	\$ 240,712,322	\$ 88,682,973	\$ (67,790,708)	\$ (24,975,379)	\$ 15,586,856	\$ 79,294,450

* 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 \$19.30/MWh shown here (\$51.61-(\$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 2022

Line No.	Description	\$/MWh	PTC Tax		Allocation MWh	NM Retail Base		NM Retail Fuel*	RPS Rider
			Gross Up	Total MWh		Total Cost	Rates*		
1	Wind Energy (Excludes RECs)								
2	San Juan	\$ 35.17		425,710	147,849	\$ 14,972,220.70	\$ -	\$ 5,199,850.11	\$ -
3	Caprock	\$ 34.56		330,440	114,762	\$ 11,420,006.40	\$ -	\$ 3,966,166.59	\$ -
4	Mammoth Plains	\$ 22.03		848,740	294,767	\$ 18,697,742.20	\$ -	\$ 6,493,723.20	\$ -
5	Palo Duro	\$ 22.60		1,151,450	399,898	\$ 26,022,309.42	\$ -	\$ 9,037,544.34	\$ -
6	Wind RECs								
7	San Juan (Less Wholesale Transfers)	\$ 1.35			302,548	\$ 408,439.83	\$ -	\$ -	\$ 408,439.83
8	Caprock (Less Wholesale Transfers)	\$ 1.35			389,776	\$ 526,198.16	\$ -	\$ -	\$ 526,198.16
9	Mammoth Plains	\$ 1.05			294,767	\$ 309,505.64	\$ -	\$ -	\$ 309,505.64
10	Palo Duro	\$ 1.05			399,898	\$ 419,893.34	\$ -	\$ -	\$ 419,893.34
11	Owned Wind								
12	Hale and Sagamore **	\$ 49.93		4,765,470	1,655,047	\$ 237,939,475.20	\$ 82,636,345.75	\$ -	\$ -
13	Hale and Sagamore PTCs	\$ 25.00	1.292656	4,765,470	1,655,047	\$(154,002,802.84)	\$ -	\$(53,485,151.43)	\$ -
14	Solar								
15	SunE Economic Energy	\$ 20.52		104,411	36,262	\$ 2,142,443.60	\$ -	\$ 744,070.36	\$ -
16	SunE Uneconomic Energy	\$ 122.23			104,411	\$ 12,761,776.30	\$ -	\$ -	\$ 12,761,776.30
17	SunE RECs	\$ 0.55			104,411	\$ 57,879.26	\$ -	\$ -	\$ 57,879.26
18	Roswell Energy Only	\$ 38.59		167,360	58,124	\$ 6,458,745.40	\$ -	\$ 2,243,121.36	\$ -
19	Roswell RECs	\$ 0.55			58,124	\$ 32,247.29	\$ -	\$ -	\$ 32,247.29
20	Chaves Energy Only	\$ 39.03		169,110	58,732	\$ 6,599,758.32	\$ -	\$ 2,292,095.12	\$ -
21	Chaves RECs	\$ 0.55			58,732	\$ 32,530.44	\$ -	\$ -	\$ 32,530.44
22	DG								
23	Projected Payments					\$ 960,653.00	\$ -	\$ -	\$ 960,653.00
24	WREGIS Registration Costs					\$ 16,946.35	\$ -	\$ -	\$ 16,946.35

* 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 \$19.24/MWh shown here (\$51.56-(\$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	PTC Tax			NM Allocation		Total Cost	NM Retail Base		NM Retail Fuel*	RPS Rider
		\$/MWh	Gross Up	Total MWh	MWh			Rates*			
1	Wind Energy (Excludes RECs)										
2	San Juan	\$ 36.08		425,710	156,840	\$ 15,359,616.80	\$	-	\$ 5,658,773.39	\$ -	
3	Caprock	\$ 35.46		330,440	121,740	\$ 11,717,402.40	\$	-	\$ 4,316,912.71	\$ -	
4	Mammoth Plains	\$ 22.47		848,740	312,692	\$ 19,071,187.80	\$	-	\$ 7,026,186.37	\$ -	
5	Palo Duro	\$ 23.01		1,151,450	424,216	\$ 26,490,710.99	\$	-	\$ 9,759,679.07	\$ -	
6	Wind RECs										
7	San Juan (Less Wholesale Transfers)	\$ 1.35			402,087	\$ 542,817.27	\$	-	\$ -	\$ 542,817.27	
8	Caprock (Less Wholesale Transfers)	\$ 1.35			312,104	\$ 421,339.73	\$	-	\$ -	\$ 421,339.73	
9	Mammoth Plains	\$ 1.05			312,692	\$ 328,326.47	\$	-	\$ -	\$ 328,326.47	
10	Palo Duro	\$ 1.05			424,216	\$ 445,426.76	\$	-	\$ -	\$ 445,426.76	
11	Owned Wind										
12	Hale and Sagamore **	\$ 49.96		4,817,940	1,775,020	\$ 240,712,322.05	\$ 88,682,973.12		\$ -	\$ -	
13	Hale and Sagamore PTCs	\$ 25.00	1.292656	4,817,940	1,775,020	\$ (155,698,444.00)	\$	-	\$ (57,362,252.20)	\$ -	
14	Solar										
15	SunE Economic Energy	\$ 19.93		103,575	38,159	\$ 2,063,954.61	\$	-	\$ 760,399.92	\$ -	
16	SunE Uneconomic Energy	\$ 127.54			103,575	\$ 13,209,753.38	\$	-	\$ -	\$ 13,209,753.38	
17	SunE RECs	\$ 0.57			103,575	\$ 58,564.39	\$	-	\$ -	\$ 58,564.39	
18	Roswell Energy Only - NM Alloc	\$ 39.36		165,940	61,135	\$ 6,532,023.76	\$	-	\$ 2,406,521.12	\$ -	
19	Roswell RECs - NM Alloc	\$ 0.57			61,135	\$ 34,596.34	\$	-	\$ -	\$ 34,596.34	
20	Chaves Energy Only - NM Alloc	\$ 39.81		167,630	61,758	\$ 6,672,839.20	\$	-	\$ 2,458,400.20	\$ -	
21	Chaves RECs - NM Alloc	\$ 0.56			61,758	\$ 34,890.72	\$	-	\$ -	\$ 34,890.72	
22	DG										
23	Projected Payments					\$ 493,343.00	\$	-	\$ -	\$ 493,343.00	
24	WREGIS Registration Costs					\$ 17,798.27	\$	-	\$ -	\$ 17,798.27	

* 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 \$19.30/MWh shown here (\$51.61-(\$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 2020

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⁾	CO₂ Emissions MT per MWH ⁽³⁾
Quay	\$69.80	\$673.93	\$310.82	1.257
Plant X	\$2.35	\$8.69	\$16.21	0.606
Nichols	\$2.26	\$7.08	\$18.34	0.606
Harrington	\$3.20	\$6.73	\$22.80	1.025
Maddox	\$4.83	\$5.65	\$16.12	0.623
Cunningham	\$14.10	\$4.87	\$16.96	0.607
Tolk	\$0.94	\$9.34	\$25.96	1.085
Jones	\$6.96	\$3.65	\$15.82	0.573

Long Term Power Purchase Agreement ⁽⁴⁾	Demand Charges per MWH ⁽²⁾	Energy Charges per MWH ⁽²⁾	CO₂ Emissions MT per MWH ⁽³⁾
Borger Energy Associates	\$7.94	\$14.53	0.23
Lea Power Partners	\$12.70	\$13.50	0.418
Orion Engineered Carbons	\$0.00	\$15.54	0.814
Tokai Carbon	\$5.60	\$8.31	1.415

⁽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 2020 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 2022**

Line No.	Description	2022 Revenue Requirement	Reference/Notes
1	2020 Reconciliation Rider Reconciliation (Under-Recovery)	537,217.30	Report Appendix E (Attachment MAC-2)
2	2020 Reconciliation Rider Interest	(42,318.19)	Monthly interest (Cust. Dep. Rate)
3	Portion for RPS Reconciliation Rate (Tariff No.77) (L1 : L2)¹	\$ 494,899.11	
4	2020 RPS Rider Reconciliation (Under-Recovery)	\$ 3,468,715.72	Report Appendix E (Attachment MAC-2)
5	2020 Rider Interest	(10,117.51)	Monthly interest (Cust. Dep. Rate)
6	2022 Projected Annual Costs:		
7	DG (Incentive, Admin, and Marketing)	960,653.00	Attachment MAC-3, Appendices B & C
8	WREGIS	16,946.35	Attachment MAC-3, Appendices B & C
9	SunE RECs	57,879.26	Attachment MAC-3, Appendices B & C
10	SunE Uneconomic Costs	12,761,776.30	Attachment MAC-3, Appendices B & C
11	Solar RECs (other than SunE)	64,777.73	Attachment MAC-3, Appendices B & C
12	Wind RECs	1,664,036.97	Attachment MAC-3, Appendices B & C
13	Total Annual Costs (Sum L6 : L12)	\$ 15,526,069.62	
14	Portion for RPS Rider Rate (Tariff No. 70) (L4 + L5 + L13)	\$ 18,984,667.83	
15	Total RPS Rider 2022 Revenue Requirement (L3 + L14)	\$ 19,479,566.94	

¹ Reconciliation of the 2020 Reconciliation Rider must be treated differently due to elimination of large customer caps in 2020. The 2020 Reconciliation Rider was designed to return over-recovery of 2018 RPS Rider Reconciliation and recover return of 2019 Costs Charged in Excess of the Large Customer Cap. See the direct testimony of Richard M. Luth.

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

Line No.	Description	2023 Revenue Requirement	Reference/Notes
1	2021 Reconciliation Rider Reconciliation (Under-Recovery)	537,217.30	Assumed to be the same as 2022
2	2021 Reconciliation Rider Interest	(42,318.19)	Assumed to be the same as 2022
3	Portion for RPS Reconciliation Rate (Tariff No.77) (L1 : L2)	\$ 494,899.11	
4	Projected 2021 RPS Rider Reconciliation	\$ 3,468,715.72	Assumed to be the same as 2022
5	2021 Rider Interest	(10,117.51)	Assumed to be the same as 2022
6	2023 Projected Annual Costs:		
7	DG (Incentive, Admin, and Marketing)	\$ 493,343.00	Attachment MAC-3, Appendices B & C
8	WREGIS	17,798.27	Attachment MAC-3, Appendices B & C
9	SunE RECs	58,564.39	Attachment MAC-3, Appendices B & C
10	SunE Uneconomic Costs	13,209,753.38	Attachment MAC-3, Appendices B & C
11	Solar RECs (other than SunE)	69,487.06	
12	Wind RECs	1,737,910.23	Attachment MAC-3, Appendices B & C
13	Total Annual Costs (Sum L6: L12)	\$ 15,586,856.32	
14	Portion for RPS Rider Rate (Tariff No. 70) (L4 + L5 + L13)	\$ 19,045,454.53	
	Total RPS Rider 2023 Revenue Requirement (L3 + L14)	\$ 19,540,353.64	

Southwestern Public Service Company
RPS Rider Interest Calculation
For the 2022 Rider and the 2022 Reconciliation Rider

Description	2018		2019	
	Over-Recovery (applied in 2020)	Over-Recovery (applied in 2021)	Over-Recovery (applied in 2020)	Over-Recovery (applied in 2021)
DG	215,459	455,736		
WREGIS	(1,978)	1,102		
SunE RECs	127,611	203,954		
SunE Uneconomic	1,846,201	2,304,040		
Large Customer Cap	133,147	287,685		
Wind RECs (excl wils xfer & sales)	(20,538)	33,876		
(Over)/Under Recovery	2,299,903 (2,299,903)	3,286,393 (3,286,393)		

Description	2020											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Jan	Feb	Mar	Apr
RPS Rider:												
Expenditures												
DG	159,952	159,871	170,349	190,112	225,357	249,043	210,865	204,682				
WREGIS	395	233	288	288	281	511	3,414	0				
SunE RECs	63,226	64,797	73,975	111,521	130,389	125,711	113,998	102,190				
SunE Uneconomic	670,341	693,081	726,525	1,127,940	1,299,540	1,258,265	1,064,166	937,888				
Large Customer Cap	-	-	-	-	-	-	-	-				
Wind RECs (excl wils xfer & sales)	75,664	71,369	82,892	72,117	61,230	86,390	52,199	50,284				
Monthly Revenue	(1,551,993)	(2,184,929)	(2,410,702)	(2,153,240)	(1,643,131)	(307,168)	(254,305)	(258,628)				
Balances												
Monthly (Over)/Under Recovery	\$ (582,415)	\$ (1,195,579)	\$ (1,356,673)	\$ (651,263)	\$ 73,665	\$ 1,412,751	\$ 1,190,338	\$ 1,036,416				
Cumulative Balance - (over)/under	\$ (582,415)	\$ (1,777,994)	\$ (3,134,666)	\$ (3,785,929)	\$ (3,712,264)	\$ (2,299,512)	\$ (1,109,175)	\$ (72,759)				
Interest												
Monthly Interest Rate	0.1381%	0.1381%	0.1381%	0.1381%	0.1381%	0.1381%	0.1381%	0.1381%				
Monthly Interest	\$ (804.39)	\$ (2,455.63)	\$ (4,329.37)	\$ (5,228.85)	\$ (5,127.11)	\$ (3,175.92)	\$ (1,531.91)	\$ (100.49)				
Cumulative Interest	\$ (804.39)	\$ (3,260.02)	\$ (7,589.40)	\$ (12,818.24)	\$ (17,945.35)	\$ (21,121.27)	\$ (22,653.18)	\$ (22,753.67)				

Reconciliation Rider:	
Expenditures	
Large Customer Cap - Actual Cost	\$ 480,418.99
Large Customer Cap - Revenue Collected for Estimated Cost	\$ (24,044.48)
Credited to Return PY Over/Under	\$ 41,062.19
Amortization of Prior Year Over/Under (2018)	\$ (287,487.85)
Monthly (over)/under recovery (on B/S)	\$ 209,948.85
Annual (Over)/Under Reclass (2019)	\$ 1,687,900.22
Cumulative Balance - (over)/under	\$ (1,388,543.81)
Monthly Interest Rate	0.1381%
Monthly Interest	\$ (4,538.93)
Cumulative Interest	\$ (13,616.78)

Interest calculation	Customer Deposit Interest Rate	1.67%
	Monthly Interest Rate	0.1381%

Description	2018		2019	
	Over-Recovery (applied in 2020)	Over-Recovery (applied in 2021)	Over-Recovery (applied in 2020)	Over-Recovery (applied in 2021)
DG	215,459	455,736		
WREGIS	(1,978)	1,102		
SunE REC's	127,611	203,954		
SunE Uneconomic	1,846,201	2,304,040		
Large Customer Cap	133,147	287,685		
Wind REC's (excl whls xdr & sales)	(20,538)	33,876		
(Over)/Under Recovery	2,299,903 (2,299,903)	3,286,393 (3,286,393)		

Description	Sept	Oct	Nov	Dec
RPS Rider:				
<u>Expenditures</u>				
DG	192,324	203,083	175,354	159,940
WREGIS	160	643	286	204
SunE RECs	91,041	89,111	71,055	64,034
SunE Uneconomic	901,351	917,060	704,167	623,451
Large Customer Cap				10,923,776
Wind RECs (excl whls xfer & sales)	58,786	76,950	79,835	79,236
Monthly Revenue	(250,780)	(235,256)	(213,800)	(246,761)
Cost recovery				846,952
				(11,710,692)
Balances				
Monthly (Over)/Under Recovery	\$ 992,881	\$ 1,051,593	\$ 816,897	\$ 680,103
Cumulative Balance - (over)/under	\$ 920,122	\$ 1,971,715	\$ 2,788,612	\$ 3,468,716
Interest				
Monthly Interest Rate	0.1381%	0.1381%	0.1381%	0.1381%
Monthly Interest	\$ 1,270.81	\$ 2,723.19	\$ 3,851.43	\$ 4,790.74
Cumulative Interest	\$ (21,482.86)	\$ (18,759.68)	\$ (14,908.25)	\$ (10,117.51)

Reconciliation Rider:									
Expenditures	Large Customer Cap - Actual Cost								
Cost recovery	Large Customer Cap - Revenue Collected for Estimated Cost								
Cost recovery	Credited to Return PY Over/Under								
	Amortization of Prior Year Over/Under (2018)								
	Monthly (over)/under recovery (on B/S)								
	Annual (Over)/Under Re-class (2019)								
	Cumulative Balance - (over)/under								
Interest	Monthly Interest Rate								
	Monthly Interest								
	Cumulative Interest								
	\$	(91,108.52)	\$	(77,913.25)	\$	(68,152.62)	\$	(82,427.66)	2,395,569
	\$	155,591.42	\$	133,057.09	\$	116,388.28	\$	140,766.61	(623,872)
	\$	(287,487.85)	\$	(287,487.85)	\$	(287,487.85)	\$	(287,487.85)	1,771,696.87
	\$	(223,004.94)	\$	(232,344.01)	\$	(239,252.19)	\$	(229,148.90)	1,065,423
	\$	(2,048,430.50)	\$	(2,280,774.51)	\$	(2,520,026.69)	\$	(2,749,175.59)	(2,299,903)
	\$	0.1381%		0.1381%		0.1381%		0.1381%	(1,234,479.57)
	\$	(2,829,114)	\$	(3,150,04)	\$	(3,480.48)	\$	(3,796.96)	
	\$	(31,890.71)	\$	(35,040.75)	\$	(38,521.23)	\$	(42,318.19)	

Interest calculation	Customer Deposit Interest Rate	1.67%
	Monthly Interest Rate	0.1381%

Southwestern Public Service Company
Case No 20-00238-UT TY_Settlement
12 Months Ending September 2020
Hale Revenue Requirement

Line No.	Revenue Requirement	Total	SPS NM Electric Retail
1	Sep - 2020		
2	Cost of Long-Term Debt	4.31%	4.31%
3	Cost of Common Equity	9.35%	9.35%
4	Ratio of Long Term-Debt	45.28%	45.28%
5	Ratio of Common Equity	54.72%	54.72%
6	Weighted Cost of Long-Term Debt	1.95%	1.95%
7	Weighted Cost of Common Equity	<u>5.12%</u>	<u>5.12%</u>
8	Federal Tax Rate	21.00%	21.00%
9	State Tax Rate	2.08%	2.08%
10	Weighted Average Cost of Capital	7.07%	7.07%
11			
12	Revenue Deficiency		
13	Cost of Sales		
14	O&M	11,339,143	3,718,293
15	Depreciation and Amortization Expense	30,283,139	9,937,385
16	TOTI	2,479,008	748,799
17			
18	Rate Base	589,840,986	193,555,791
19	Weighted Cost of Debt	1.95%	1.95%
20	Interest Deduction	11,501,899	3,774,338
21			
22	Schedule M	(178,660,764)	(58,627,372)
23	Deferred Taxes	39,876,494	13,085,436
24	ITC Amortized		
25			
26	Weighted Average Cost of Capital	7.07%	7.07%
27	Authorized Earnings	41,701,758	13,684,394
28			
29	State Taxable Income	(148,460,905)	(48,717,315)
30	State Tax Rate	2.08%	2.08%
31	State Tax Expense	(3,081,751)	(1,011,274)
32			
33	Section 199 Deduction		
34	Federal Taxable Income	(145,379,154)	(47,706,041)
35	Federal Tax Rate	21.00%	21.00%
36	Federal Tax Expense	(30,529,622)	(10,018,269)
37			
38	Total Tax Expense	6,265,120	2,055,894

Southwestern Public Service Company
Case No 20-00238-UT TY_Settlement
12 Months Ending September 2020
Hale Revenue Requirement

Line No.	Revenue Requirement	Total	SPS NM Electric Retail
39	Federal Gross up factor	1.292656	1.292656
40	Gross Total Tax Expense	8,098,644	2,657,563
41			
42			
43	Gains/Losses		
44			
45	Operating Deductions	52,199,934	17,062,040
46	Revenue Credits		
47	Total Revenue Requirement	93,901,692	30,746,435
48			
49	Revenue at Present Rates		
50			
51	<u>Revenue Deficiency/Excess</u>	<u>93,901,692</u>	<u>30,746,435</u>
52			
53	Hale Facility size (MW)	478	
54	Hale Capacity Factor	8,760	
55	Hours per Year	<u>48%</u>	
56	Total Hale Generation (MWh) (In 53 * In 54 * In 55)	2,009,894	
57	Energy Allocator		32.81%
58	Allocated Hale Generation (MWh) (In 56 * In 57)		659,446
59			
60	<u>Hale Revenue Requirement (\$/MWh)</u>	<u>\$46.72</u>	<u>\$46.62</u>

Southwestern Public Service Company
Case No 20-00238-UT TY_Settlement
12 Months Ending September 2020
Sagamore Revenue Requirement

Line No.	Revenue Requirement	Total	SPS NM Electric Retail
1	Sep - 2020		
2	Cost of Long-Term Debt	4.31%	4.31%
3	Cost of Common Equity	9.35%	9.35%
4	Ratio of Long Term-Debt	45.28%	45.28%
5	Ratio of Common Equity	54.72%	54.72%
6	Weighted Cost of Long-Term Debt	1.95%	1.95%
7	Weighted Cost of Common Equity	<u>5.12%</u>	<u>5.12%</u>
8	Federal Tax Rate	21.00%	21.00%
9	State Tax Rate	2.08%	2.08%
10	Weighted Average Cost of Capital	7.07%	7.07%
11			
12	Revenue Deficiency		
13	Cost of Sales		
14	O&M	11,260,306	3,694,774
15	Depreciation and Amortization Expense	34,087,955	11,185,932
16	TOTI	5,700,863	1,722,127
17			
18	Rate Base	841,861,621	276,259,365
19	Weighted Cost of Debt	1.95%	1.95%
20	Interest Deduction	16,416,302	5,387,058
21			
22	Schedule M	(65,154,634)	(21,380,436)
23	Deferred Taxes	9,525,304	3,125,720
24	ITC Amortized		
25			
26	Weighted Average Cost of Capital	7.07%	7.07%
27	Authorized Earnings	59,519,617	19,531,537
28			
29	State Taxable Income	(22,051,319)	(7,235,956)
30	State Tax Rate	2.08%	2.08%
31	State Tax Expense	(457,741)	(150,204)
32			
33	Section 199 Deduction		
34	Federal Taxable Income	(21,593,577)	(7,085,752)
35	Federal Tax Rate	21.00%	21.00%
36	Federal Tax Expense	(4,534,651)	(1,488,008)
37			
38	Total Tax Expense	4,532,911	1,487,508

Southwestern Public Service Company
Case No 20-00238-UT TY_Settlement
12 Months Ending September 2020
Sagamore Revenue Requirement

Line No.	Revenue Requirement	Total	SPS NM Electric Retail
39	Federal Gross up factor	1.292656	1.292656
40	Gross Total Tax Expense	5,859,494	1,922,836
41			
42			
43	Gains/Losses		
44			
45	Operating Deductions	56,908,618	18,525,668
46	Revenue Credits		
47	Total Revenue Requirement	116,428,234	38,057,206
48			
49	Revenue at Present Rates		
50			
51	<u>Revenue Deficiency/Excess</u>	<u>116,428,234</u>	<u>38,057,206</u>
52			
53	Sagamore Facility size (MW)	522	
54	Sagamore Capacity Factor	8,760	
55	Hours per Year	<u>48%</u>	
56	Total Sagamore Generation (MWh) (In 53 * In 54 * In 55)	2,194,906	
57	Energy Allocator		32.81%
58	Allocated Sagamore Generation (MWh) (In 56 * In 57)		720,149
59			
60	<u>Sagamore Revenue Requirement (\$/MWh)</u>	<u>\$53.04</u>	<u>\$52.85</u>

1.02

CHAVES

Contract Year	Beginning Dates	Year	Price Excluding REC's	Prices with RECs	REC Price Only
10/26/2016	1	2016	35.23	35.73	0.5000
11/1/2017	2	2017	35.93	36.44	0.5100
11/1/2018	3	2018	36.65	37.17	0.5202
11/1/2019	4	2019	37.39	37.92	0.5306
11/1/2020	5	2020	38.13	38.68	0.5412
11/1/2021	6	2021	38.90	39.45	0.5520
11/1/2022	7	2022	39.67	40.24	0.5631
11/1/2023	8	2023	40.47	41.04	0.5743
11/1/2024	9	2024	41.28	41.86	0.5858
11/1/2025	10	2025	42.10	42.70	0.5975
11/1/2026	11	2026	42.95	43.55	0.6095
11/1/2027	12	2027	43.80	44.43	0.6217
11/1/2028	13	2028	44.68	45.31	0.6341
11/1/2029	14	2029	45.57	46.22	0.6468
11/1/2030	15	2030	46.49	47.14	0.6597
11/1/2031	16	2031	47.41	48.09	0.6729
11/1/2032	17	2032	48.36	49.05	0.6864
11/1/2033	18	2033	49.33	50.03	0.7001
11/1/2034	19	2034	50.32	51.03	0.7141
11/1/2035	20	2035	51.32	52.05	0.7284
11/1/2036	21	2036	52.35	53.09	0.7430
11/1/2037	22	2037	53.40	54.15	0.7578
11/1/2038	23	2038	54.46	55.24	0.7730
11/1/2039	24	2039	55.55	56.34	0.7884
11/1/2040	25	2040	56.67	57.47	0.8042

CHAVES

Jan 2021	38.13	0.5412
Feb 2021	38.13	0.5412
Mar 2021	38.13	0.5412
Apr 2021	38.13	0.5412
May 2021	38.13	0.5412
Jun 2021	38.13	0.5412
Jul 2021	38.13	0.5412
Aug 2021	38.13	0.5412
Sep 2021	38.13	0.5412
Oct 2021	38.13	0.5412
Nov 2021	38.90	0.5520
Dec 2021	38.90	0.5520
Calendar 2021	38.26	0.5430

Jan 2022	38.90	0.5520
Feb 2022	38.90	0.5520
Mar 2022	38.90	0.5520
Apr 2022	38.90	0.5520
May 2022	38.90	0.5520
Jun 2022	38.90	0.5520
Jul 2022	38.90	0.5520
Aug 2022	38.90	0.5520
Sep 2022	38.90	0.5520
Oct 2022	38.90	0.5520
Nov 2022	39.67	0.5631
Dec 2022	39.67	0.5631
Calendar 2022	39.03	0.5539

Jan 2023	39.67	0.5631
Feb 2023	39.67	0.5631
Mar 2023	39.67	0.5631
Apr 2023	39.67	0.5631
May 2023	39.67	0.5631
Jun 2023	39.67	0.5631
Jul 2023	39.67	0.5631
Aug 2023	39.67	0.5631
Sep 2023	39.67	0.5631
Oct 2023	39.67	0.5631
Nov 2023	40.47	0.5743
Dec 2023	40.47	0.5743
Calendar 2023	39.81	0.5650

ROSWELL

Contract Year	Beginning Dates	Year	Price Excluding RECs	Prices with RECs	REC Price Only
9/1/2016	1	2016	34.78	35.28	0.5000
10/1/2017	2	2017	35.48	35.99	0.5100
10/1/2018	3	2018	36.19	36.71	0.5202
10/1/2019	4	2019	36.91	37.44	0.5306
10/1/2020	5	2020	37.65	38.19	0.5412
10/1/2021	6	2021	38.40	38.95	0.5520
10/1/2022	7	2022	39.17	39.73	0.5631
10/1/2023	8	2023	39.95	40.53	0.5743
10/1/2024	9	2024	40.75	41.34	0.5858
10/1/2025	10	2025	41.57	42.16	0.5975
10/1/2026	11	2026	42.40	43.01	0.6095
10/1/2027	12	2027	43.24	43.87	0.6217
10/1/2028	13	2028	44.11	44.74	0.6341
10/1/2029	14	2029	44.99	45.64	0.6468
10/1/2030	15	2030	45.89	46.55	0.6597
10/1/2031	16	2031	46.81	47.48	0.6729
10/1/2032	17	2032	47.75	48.43	0.6864
10/1/2033	18	2033	48.70	49.40	0.7001
10/1/2034	19	2034	49.67	50.39	0.7141
10/1/2035	20	2035	50.67	51.40	0.7284
10/1/2036	21	2036	51.68	52.42	0.7430
10/1/2037	22	2037	52.71	53.47	0.7578
10/1/2038	23	2038	53.77	54.54	0.7730
10/1/2039	24	2039	54.84	55.63	0.7884
10/1/2040	25	2040	55.94	56.75	0.8042

ROSWELL

Jan 2021	37.65	0.5412
Feb 2021	37.65	0.5412
Mar 2021	37.65	0.5412
Apr 2021	37.65	0.5412
May 2021	37.65	0.5412
Jun 2021	37.65	0.5412
Jul 2021	37.65	0.5412
Aug 2021	37.65	0.5412
Sep 2021	37.65	0.5412
Oct 2021	38.40	0.5520
Nov 2021	38.40	0.5520
Dec 2021	38.40	0.5520
Calendar 2021	37.84	0.5439

Jan 2022	38.40	0.5520
Feb 2022	38.40	0.5520
Mar 2022	38.40	0.5520
Apr 2022	38.40	0.5520
May 2022	38.40	0.5520
Jun 2022	38.40	0.5520
Jul 2022	38.40	0.5520
Aug 2022	38.40	0.5520
Sep 2022	38.40	0.5520
Oct 2022	39.17	0.5631
Nov 2022	39.17	0.5631
Dec 2022	39.17	0.5631
Calendar 2022	38.59	0.5548

Jan 2023	39.17	0.5631
Feb 2023	39.17	0.5631
Mar 2023	39.17	0.5631
Apr 2023	39.17	0.5631
May 2023	39.17	0.5631
Jun 2023	39.17	0.5631
Jul 2023	39.17	0.5631
Aug 2023	39.17	0.5631
Sep 2023	39.17	0.5631
Oct 2023	39.95	0.5743
Nov 2023	39.95	0.5743
Dec 2023	39.95	0.5743
Calendar 2023	39.36	0.5659

Avg Chaves and Roswell:

38.04821 0.543471 38.59168

38.80918 0.554341 39.36352

39.58536 0.565427 40.15079

WREGIS Budget

	2022	2023
Subscription Fee	\$ 125	\$ 125
REC Issuance	2,494,088	2,633,260
Rate \$ 0.004	\$ 9,976.35	\$ 10,533.04
REC Retirement	1,647,424	1,743,097
Rate \$ 0.004	\$ 6,589.70	\$ 6,972.39
Wholesale Transfers	63,826	41,960
Rate \$ 0.004	\$ 255.30	\$ 167.84
Total Estimated WREGIS Costs	\$ 16,946.35	\$ 17,798.27

Solar*Connect Pricing

Year	Avoided Cost		Solar Weighted Price (\$/MWh)
	Based on Solar Weighted Marginal Price	Clovis Gen (MWh)	
	2022 \$144,280	5,441	26.52

Commercial Operation Date April 22, 2021

Contract Terms		SoreCore Contract Pricing		Calendar Year	2022		
					Contract Price	Avoided Cost	Solar*Connect Premium
4/22/2021	-	4/30/2022	\$ 0.03900 /kWh	2021	\$ 0.03952	\$ 0.02652	\$ 0.01300
5/1/2022	-	4/30/2023	\$ 0.03978 /kWh	2022	\$ 0.03952		
5/1/2023	-	4/30/2024	\$ 0.04058 /kWh	2023	\$ 0.04031		
5/1/2024	-	4/30/2025	\$ 0.04139 /kWh	2024	\$ 0.04112		
5/1/2025	-	4/30/2026	\$ 0.04221 /kWh	2025	\$ 0.04194		
5/1/2026	-	4/30/2027	\$ 0.04306 /kWh	2026	\$ 0.04278		
5/1/2027	-	4/30/2028	\$ 0.04392 /kWh	2027	\$ 0.04363		
5/1/2028	-	4/30/2029	\$ 0.04480 /kWh	2028	\$ 0.04451		
5/1/2029	-	4/30/2030	\$ 0.04569 /kWh	2029	\$ 0.04540		
5/1/2030	-	4/30/2031	\$ 0.04661 /kWh	2030	\$ 0.04630		
5/1/2031	-	4/30/2032	\$ 0.04754 /kWh	2031	\$ 0.04723		
5/1/2032	-	4/30/2033	\$ 0.04849 /kWh	2032	\$ 0.04817		
5/1/2033	-	4/30/2034	\$ 0.04946 /kWh	2033	\$ 0.04914		
5/1/2034	-	4/30/2035	\$ 0.05045 /kWh	2034	\$ 0.05012		
5/1/2035	-	4/30/2036	\$ 0.05146 /kWh	2035	\$ 0.05112		
5/1/2036	-	4/30/2037	\$ 0.05249 /kWh	2036	\$ 0.05215		
5/1/2037	-	4/30/2038	\$ 0.05354 /kWh	2037	\$ 0.05319		
5/1/2038	-	4/30/2039	\$ 0.05461 /kWh	2038	\$ 0.05425		
5/1/2039	-	4/30/2040	\$ 0.05570 /kWh	2039	\$ 0.05534		
5/1/2040	-	4/30/2041	\$ 0.05682 /kWh	2040	\$ 0.05644		
				2041	\$ 0.05682		

Southwestern Public Service Company
REC Tracker Interest Calculation
Based on 2020 Customer Deposit Interest Rate

Line No.	Description	Calculation
1	<u>2013 REC Tracker</u>	
2	Beginning Balance	\$ 220,536.30
3	Monthly Interest Rate (1.67%/12)	0.14%
4	Total Amortization (in Months)	42
5	Total Interest on 2013 REC Tracker (L2*L3*L4)	<u>\$ 12,890.35</u>
6	Monthly Collection (L5/L4)	<u>\$ 306.91</u>
7	Annualized Amortization for 2020 (6 months)	<u><u>\$ 1,841.48</u></u>

**Southwestern Public Service Company
Generataion REC Allocation**

Month	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Hale Generation/RECs	149,592.30	177,631.22	181,574.72	181,257.00	177,229.95	218,750.21
NM System Allocator	32.128%	32.325%	32.403%	32.672%	31.752%	31.514%
Hale RECs Alloc to NM	48,060.34	57,419.00	58,835.88	59,220.04	56,274.08	68,937.42
Sagamore Generation/RECs	-	-	-	-	-	-
NM System Allocator	-	-	-	-	-	-
Sagamore RECs Alloc to NM	-	-	-	-	-	-
Caprock Generation/RECs	26,960.90	23,713.60	29,943.72	25,480.21	16,830.26	26,900.40
Less Wholesale Transfers						
Caprock RECs Alloc to NM						
San Juan Generation/RECs	34,870.76	34,569.55	38,417.10	33,240.59	33,451.96	43,991.89
Less Wholesale Transfers						
San Juan RECs Alloc to NM						
Mesalands Generation/RECs	121.51	0.00	0.00	0.00	0.00	0.00
NM System Allocator	32.128%	32.325%	32.403%	32.672%	31.752%	31.514%
Mesalands RECs Alloc to NM	39.04	-	-	-	-	-
SunEdison Generation/RECs	6,322.57	6,479.65	7,397.48	11,353.35	12,837.62	12,571.12
100% RECs to NM	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
SunEdison RECs Alloc to NM	6,322.57	6,479.65	7,397.48	11,353.35	12,837.62	12,571.12
Co Owned Solar Generation/RECs	10.58	10.17	11.78	14.26	15.56	17.45
100% RECs to NM	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
Co Owned Solar RECs Alloc to NM	10.58	10.17	11.78	14.26	15.56	17.45
Solar Rewards Generation/RECs	47.52	45.76	49.92	50.56	57.44	68.80
100% RECs to NM	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
Solar Rewards RECs Alloc to NM	47.52	45.76	49.92	50.56	57.44	68.80
NM System Allocator	32.128%	32.325%	32.403%	32.672%	31.752%	31.514%

**Southwestern Public Service Company
Generataion REC Allocation**

Month	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>Total</u>
Hale Generation/RECs	149,075.31	139,003.99	124,787.35	190,620.26	204,377.59	191,069.06	2,084,968.95
NM System Allocator	31.383%	31.708%	33.095%	33.226%	33.542%	33.408%	
Hale RECs Alloc to NM	46,783.88	44,076.05	41,297.96	63,335.35	68,551.88	63,832.46	676,624.35
Sagamore Generation/RECs	-	-	-	-	-	102,596.23	102,596.23
NM System Allocator						33.408%	
Sagamore RECs Alloc to NM	-	-	-	-	-	34,275.41	34,275.41
Caprock Generation/RECs	18,559.32	14,303.44	18,595.80	24,576.76	27,989.75	22,665.23	276,519.38
Less Wholesale Transfers							24,513.00
Caprock RECs Alloc to NM							252,006.38
San Juan Generation/RECs	23,511.72	26,420.82	28,728.36	37,081.45	37,102.34	40,511.46	411,898.00
Less Wholesale Transfers							36,532.00
San Juan RECs Alloc to NM							375,366.00
Mesalands Generation/RECs	0.00	0.00	0.00	0.00	0.00	0.00	121.51
NM System Allocator	31.383%	31.708%	33.095%	33.226%	33.542%	33.408%	
Mesalands RECs Alloc to NM	-	-	-	-	-	-	39.04
SunEdison Generation/RECs	11,399.79	10,218.96	9,104.13	8,911.15	7,105.46	6,403.34	110,104.62
100% RECs to NM	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	
SunEdison RECs Alloc to NM	11,399.79	10,218.96	9,104.13	8,911.15	7,105.46	6,403.34	110,104.62
Co Owned Solar Generation/RECs	13.68	13.13	13.04	12.13	11.56	11.29	154.63
100% RECs to NM	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	
Co Owned Solar RECs Alloc to NM	13.68	13.13	13.04	12.13	11.56	11.29	154.63
Solar Rewards Generation/RECs	49.12	45.44	54.56	53.60	53.12	12,198.13	12,773.97
100% RECs to NM	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	
Solar Rewards RECs Alloc to NM	49.12	45.44	54.56	53.60	53.12	12,198.13	12,773.97
NM System Allocator	31.383%	31.708%	33.095%	33.226%	33.542%	33.408%	

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. 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. 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. 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).