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Received - 2022-01-19 02:36:23 PM
Control Number - 52485
ItemNumber - 99

**SOAH DOCKET NO. 473-22-1073
PUC DOCKET NO. 52485**

**APPLICATION OF SOUTHWESTERN §
PUBLIC SERVICE COMPANY TO § BEFORE THE STATE OFFICE
AMEND ITS CERTIFICATE OF §
CONVENIENCE AND NECESSITY TO § OF
CONVERT HARRINGTON §
GENERATING STATION FROM COAL § ADMINISTRATIVE HEARINGS
TO NATURAL GAS §**

**SOUTHWESTERN PUBLIC SERVICE COMPANY'S
RESPONSE TO TEXAS INDUSTRIAL ENERGY CONSUMERS'
FOURTH REQUEST FOR INFORMATION
QUESTION NOS. 4-1 THROUGH 4-6**

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**SOUTHWESTERN PUBLIC SERVICE COMPANY’S
RESPONSE TO TEXAS INDUSTRIAL ENERGY CONSUMERS’
FOURTH REQUEST FOR INFORMATION
QUESTION NOS. 4-1 THROUGH 4-6**

Southwestern Public Service Company (“SPS”) files this response to the Texas Industrial Energy Consumers’ (“TIEC”) Fourth Request for Information, Question Nos. 4-1 and 4-6 SPS has provided notice, by email, to all parties that SPS’s Responses to TIEC’s Fourth Request for Information and accompanying exhibits (excluding voluminous and exhibits provided pursuant to the protective order) have been filed with the Commission and are available for download from the Commission’s Interchange website.

I. WRITTEN RESPONSES

SPS’s written responses to TIEC’s Fourth Request for Information are attached and incorporated by reference. Each response is stated on or attached to a separate page on which the request has been restated. SPS’s responses are made in the spirit of cooperation without waiving SPS’s right to contest the admissibility of any of these matters at hearing. In accordance with 16 Tex. Admin. Code § 22.144(c)(2)(A) (“TAC”), each response lists the preparer or person under whose direct supervision the response was prepared and any sponsoring witness. When SPS provides certain information sought by the request while objecting to the provision of other

information, it does so without prejudice to its objection in the interests of narrowing discovery disputes under 16 TAC § 22.144(d)(5). Pursuant to 16 TAC § 22.144(c)(2)(F), SPS stipulates that its responses may be treated by all parties as if they were made under oath.

II. INSPECTIONS

If responsive documents are more than 100 pages but less than eight linear feet in length, the response will indicate that the attachment is voluminous (“(V)”) and, pursuant to 16 TAC § 22.144(h)(2), the exhibit will be made available for inspection at SPS’s voluminous room at 600 Congress Avenue, Suite 2000, Austin, Texas 78701; telephone number (512) 721-2700. Voluminous exhibits will also be provided via email through Coffin Renner LLP’s file sharing link.

If a response or the responsive documents are provided pursuant to the protective order in this docket, the response will indicate that it or the attachment is either confidential (“CONF”) or highly Sensitive (“HS”) as appropriate under the protective order. Access to Confidential and Highly Sensitive materials will be available on SPS’s file sharing platform to all parties that have signed and filed the certification under the protective order entered in this docket. Confidential and Highly Sensitive responsive documents will also be made available for inspection at SPS’s voluminous room, unless they form a part of a response that exceeds eight linear feet in length; then they will be available at their usual repository in accordance with the following paragraph. Please call in advance for an appointment to ensure that there is sufficient space to accommodate your inspection.

If responsive documents exceed eight linear feet in length, the response will indicate that the attachment is subject to the FREIGHT CAR DOCTRINE, and, pursuant to 16 TAC § 22.144(h)(3), the attachment will be available for inspection at its usual repository, SPS's offices in Austin, Texas, unless otherwise indicated. SPS requests that parties wishing to inspect this material provide at least 48-hour notice of their intent by contacting Stephanie Tanner at Coffin Renner LLP PC, 1011 West 31st Street, Austin, Texas 78705; telephone number (512) 879-0900; facsimile transmission number (512) 879-0912; email address stephanie.tanner@crtxlaw.com. Inspections will be scheduled to accommodate all requests with as little inconvenience to the requesting party and to SPS's operations as possible.

Respectfully submitted,



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ATTORNEYS FOR
SOUTHWESTERN PUBLIC SERVICE COMPANY

RESPONSES

QUESTION NO. TIEC 4-1:

Please provide the information equivalent to Tables BRE-2 and BRE-3 in the Direct Testimony of Ben Elsey, and supporting workpapers based on:

- a. SPS's high natural gas forecast rather than the base natural gas forecast.
- b. SPS's low natural gas forecast rather than the base natural gas forecast.

RESPONSE:

- a. Please refer to Attachment BRE-1 for the requested information. For the supporting workpapers please refer to Exhibit SPS-SC 1-3(i)(CONF) and the EnCompass output files EO_SPS_2021 CCN_PL_400TRX_HG_2021-06-21.xlsb and EO_SPS_2021 CCN_FL_400TRX_HG_2021-06-21.xlsb.
- b. Please refer to Attachment BRE-1 for the requested table. For the supporting workpapers please refer to Exhibit SPS-SC 1-3(i)(CONF) and the EnCompass output files EO_SPS_2021 CCN_PL_400TRX_LG_2021-06-21.xlsb and EO_SPS_2021 CCN_FL_400TRX_LG_2021-06-21.xlsb.

Preparer: Ben R. Elsey
Sponsor: Ben R. Elsey

QUESTION NO. TIEC 4-2:

Has SPS performed any sensitivity analyses assuming different levels of coal prices in the Harrington economic analysis? If so, please provide the results of these analyses along with all supporting workpapers. If not, please explain why no such sensitivities were considered.

RESPONSE:

SPS has not performed this analysis. Unlike the price of natural gas, the long-term forecasted price of coal has been relatively stable.

Preparer: Ben R. Elsey

Sponsor: Ben R. Elsey

QUESTION NO. TIEC 4-3:

Referring to SPS's response to TIEC 1-3:

- a. Confirm that the projected coal market prices for Harrington and Tolk include all transportation charges.
- b. State the amount of transportation charges reflected in the projected delivered coal prices for Harrington and Tolk.

RESPONSE:

- a. Confirmed. The coal market prices for Harrington and Tolk include all freight charges.
- b. Please refer to Exhibit SPS-TIEC 4-3.

Preparer: Ben R. Elsey
Sponsor: Ben R. Elsey

QUESTION NO. TIEC 4-4

Could SPS continue to operate any or all of the Harrington units using coal if it installs either Dry Sorbent Injection or Spray Dryer Absorber? If the answer is yes, please provide a detailed explanation of how SPS could do so given the TCEQ agreed order. If the answer is no, please explain why SPS included coal scenarios in its economic analysis in this case.

RESPONSE:

No. The Agreed Order requires SPS to cease coal operations on all Harrington units by January 1, 2025. SPS included coal scenarios to continue to evaluate the prudence of potential alternatives to existing coal operations at Harrington. Ben R. Elsey addresses this analysis in detail in his Direct Testimony and demonstrates that installation of DSI or SDA is not economical.

Preparers: Jeffrey L. West, Ben R. Elsey

Sponsors: Jeffrey L. West, Ben R. Elsey

QUESTION NO. TIEC 4-5:

Provide a copy of SPS's most recent load and resources table showing the projected retail/wholesale peak demand, firm peak demand, accredited capacity (both owned and under each purchased power agreement), and reserve margin based on the most recent:

- a. Financial load forecast.
- b. Planning load forecast.

RESPONSE:

- a. Please refer to Exhibit SPS-TIEC 4-5(a).
- b. Please refer to Exhibit SPS-TIEC 4-5(b).

Preparer: Ashley Gibbons
Sponsor: Ben R. Elsey

QUESTION NO. TIEC 4-6:

Provide a schedule quantifying the impact of SPP's newly adopted capacity accreditation methodology on the amount of SPS's accredited capacity for each generating unit and under each purchased power agreement.

RESPONSE:

Please refer to Exhibit SPS-TIEC 4-6.

Note: SPP's adoption of the Effective Load Carrying Capability methodology will only impact the accreditation of renewable and battery energy storage resources.

Preparers: Ashley Gibbons, Ben R. Elsey
Sponsor: Ben R. Elsey

CERTIFICATE OF SERVICE

I certify that, unless otherwise ordered by the presiding officer, notice of the filing of this document was provided to all parties of record via electronic mail on January 19, 2022, in accordance with the Order Suspending Rules, issued in Project No. 50664.



Mark A. Santos

Harrington Station Transportation Rates

Year	S/ton	S/MMBtu	Freight	Diesel	Delivered (S/MMBtu)
2022	\$ 12.77	\$ 0.726	\$ 0.874	\$ 0.021	\$ 1.611
2023	\$ 13.10	\$ 0.744	\$ 0.889	\$ 0.021	\$ 1.644
2024	\$ 13.34	\$ 0.758	\$ 0.909	\$ 0.020	\$ 1.677
2025	\$ 13.68	\$ 0.777	\$ 0.930	\$ 0.026	\$ 1.723
2026	\$ 14.01	\$ 0.796	\$ 0.952	\$ 0.030	\$ 1.768
2027	\$ 14.26	\$ 0.810	\$ 0.973	\$ 0.035	\$ 1.808
2028	\$ 14.66	\$ 0.833	\$ 0.996	\$ 0.040	\$ 1.858
2029	\$ 15.06	\$ 0.856	\$ 1.018	\$ 0.045	\$ 1.909
2030	\$ 15.14	\$ 0.860	\$ 1.042	\$ 0.049	\$ 1.941
2031	\$ 15.62	\$ 0.888	\$ 1.065	\$ 0.054	\$ 1.996
2032	\$ 15.70	\$ 0.892	\$ 1.089	\$ 0.058	\$ 2.029
2033	\$ 15.90	\$ 0.903	\$ 1.114	\$ 0.063	\$ 2.070
2034	\$ 16.24	\$ 0.923	\$ 1.139	\$ 0.069	\$ 2.120
2035	\$ 16.74	\$ 0.951	\$ 1.164	\$ 0.074	\$ 2.180
2036	\$ 17.21	\$ 0.978	\$ 1.190	\$ 0.079	\$ 2.238
2037	\$ 17.82	\$ 1.012	\$ 1.217	\$ 0.084	\$ 2.304
2038	\$ 18.19	\$ 1.033	\$ 1.245	\$ 0.090	\$ 2.359
2039	\$ 18.67	\$ 1.061	\$ 1.274	\$ 0.096	\$ 2.420
2040	\$ 19.06	\$ 1.083	\$ 1.303	\$ 0.101	\$ 2.477

Tolk Station Transportation Rates

Year	\$/ton	\$/MMBtu	Freight	Diesel	Delivered (\$/MMBtu)
2022	\$ 12.77	\$ 0.726	\$ 1.098	\$ 0.023	\$ 1.837
2023	\$ 13.10	\$ 0.744	\$ 1.116	\$ 0.023	\$ 1.874
2024	\$ 13.34	\$ 0.758	\$ 1.141	\$ 0.023	\$ 1.911
2025	\$ 13.68	\$ 0.777	\$ 1.168	\$ 0.029	\$ 1.964
2026	\$ 14.01	\$ 0.796	\$ 1.195	\$ 0.034	\$ 2.015
2027	\$ 14.26	\$ 0.810	\$ 1.222	\$ 0.039	\$ 2.061
2028	\$ 14.66	\$ 0.833	\$ 1.250	\$ 0.045	\$ 2.117
2029	\$ 15.06	\$ 0.856	\$ 1.278	\$ 0.051	\$ 2.175
2030	\$ 15.14	\$ 0.860	\$ 1.308	\$ 0.055	\$ 2.213
2031	\$ 15.62	\$ 0.888	\$ 1.337	\$ 0.060	\$ 2.275
2032	\$ 15.70	\$ 0.892	\$ 1.367	\$ 0.066	\$ 2.315

SPS Load and Resources	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
EXISTING RESOURCES										
Owned - Thermal Resources	4,333	4,070	3,959	3,959	3,714	3,714	3,523	3,411	3,411	3,165
Tolk Unit 1	532	532	532	532	532	532	532	532	532	532
Tolk Unit 2	537	537	537	537	537	537	537	537	537	537
Harrington Unit 1	340	340	340	340	340	340	340	340	340	340
Harrington Unit 2	355	355	355	355	355	355	355	355	355	355
Harrington Unit 3	355	355	355	355	355	355	355	355	355	355
Plan X Unit 1	39	0	0	0	0	0	0	0	0	0
Plan X Unit 2	70	0	0	0	0	0	0	0	0	0
Plan X Unit 3	0	0	0	0	0	0	0	0	0	0
Cunningham Unit 1	42	0	0	0	0	0	0	0	0	0
Nichols Unit 1	112	0	0	0	0	0	0	0	0	0
Nichols Unit 2	111	111	0	0	0	0	0	0	0	0
Cunningham Unit 2	183	183	183	183	0	0	0	0	0	0
Plant X Unit 4	191	191	191	191	191	191	0	0	0	0
Maddox Unit 1	112	112	112	112	112	112	112	0	0	0
Nichols Unit 3	246	246	246	246	246	246	246	246	246	0
Jones Unit 1	243	243	243	243	243	243	243	243	243	243
Jones Unit 2	243	243	243	243	243	243	243	243	243	243
Maddox Unit 2	62	62	62	62	0	0	0	0	0	0
Quay County	17	17	17	17	17	17	17	17	17	17
Cunningham Unit 3	106	106	106	106	106	106	106	106	106	106
Cunningham Unit 4	101	101	101	101	101	101	101	101	101	101
Jones Unit 3	166	166	166	166	166	166	166	166	166	166
Jones Unit 4	170	170	170	170	170	170	170	170	170	170
Owned - Renewable Resources	0	143	143	143	147	145	144	142	141	139
Hale	0	84	84	84	70	69	69	68	67	67
Sagamore	0	59	59	59	77	76	75	74	73	73
Purchased Power - Thermal Resources	781	781	558	558	558	558	558	558	558	558
Borger Energy Associates, L.P.	223	223	0	0	0	0	0	0	0	0
Lea Power Partners, LLC.	558	558	558	558	558	558	558	558	558	558
Purchased Power - Renewable Resources	237	270	270	262	183	158	133	132	131	129
Caprock	8	8	8	0	0	0	0	0	0	0
San Juan	10	10	10	10	0	0	0	0	0	0
Wildorado	22	22	22	22	24	0	0	0	0	0
Spinning Spur	36	36	36	36	24	23	0	0	0	0
Mammoth Wind	51	51	51	51	29	29	29	28	28	28
Palo Duro Wind	63	63	63	63	37	36	36	36	35	35
Roosevelt Wind	47	47	47	47	37	36	36	36	35	35
Lorenzo	0	7	7	7	12	12	11	11	11	11
Wildcat	0	26	26	26	22	22	22	21	21	21
SunEd	0	0	0	0	0	0	0	0	0	0
Chaves	0	0	0	0	0	0	0	0	0	0
Roswell	0	0	0	0	0	0	0	0	0	0
Qualified Facility - Renewable Resources	0	2	2	2	6	6	6	6	6	6
Cirrus	0	0	0	0	0	0	0	0	0	0
Pantex Wind	0	1	1	1	2	2	2	2	2	2
Pleasant Hills Wind	0	1	1	1	3	3	3	3	3	3
Ralls Wind	0	0	0	0	1	1	1	1	1	1
TOTAL ACCREDITED CAPACITY (MW)	5,351	5,267	4,932	4,924	4,608	4,582	4,364	4,249	4,246	3,997
LOAD										
Retail	3,665	3,747	3,810	3,861	3,893	3,928	3,961	3,995	4,020	4,050
Firm Wholesale	0	0	0	0	0	0	0	0	0	0
Firm PR Load	301	125	100	100	0	0	0	0	0	0
DSM / Interruptibles	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)
FIRM LOAD OBLIGATION	3,938	3,843	3,881	3,932	3,864	3,899	3,932	3,966	3,991	4,022
RESERVES										
TOTAL PLANNING RESERVE MARGIN (12%)	473	461	466	472	464	468	472	476	479	483
CAPACITY NEED	4,410	4,304	4,347	4,404	4,328	4,367	4,403	4,442	4,470	4,504
POSITION										
RESOURCE POSITION (MW): LONG/(SHORT)	941	962	585	520	280	215	(39)	(193)	(224)	(507)

SPS Load and Resources	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041
EXISTING RESOURCES										
Owned - Thermal Resources	2,922	1,853	1,853	1,593	1,593	1,253	1,253	898	898	336
Tolk Unit 1	532	0	0	0	0	0	0	0	0	0
Tolk Unit 2	537	0	0	0	0	0	0	0	0	0
Harrington Unit 1	340	340	340	340	340	0	0	0	0	0
Harrington Unit 2	355	355	355	355	355	355	355	0	0	0
Harrington Unit 3	355	355	355	355	355	355	355	355	355	0
Plan X Unit 1	0	0	0	0	0	0	0	0	0	0
Plan X Unit 2	0	0	0	0	0	0	0	0	0	0
Plan X Unit 3	0	0	0	0	0	0	0	0	0	0
Cunningham Unit 1	0	0	0	0	0	0	0	0	0	0
Nichols Unit 1	0	0	0	0	0	0	0	0	0	0
Nichols Unit 2	0	0	0	0	0	0	0	0	0	0
Cunningham Unit 2	0	0	0	0	0	0	0	0	0	0
Plant X Unit 4	0	0	0	0	0	0	0	0	0	0
Maddox Unit 1	0	0	0	0	0	0	0	0	0	0
Nichols Unit 3	0	0	0	0	0	0	0	0	0	0
Jones Unit 1	0	0	0	0	0	0	0	0	0	0
Jones Unit 2	243	243	243	0	0	0	0	0	0	0
Maddox Unit 2	0	0	0	0	0	0	0	0	0	0
Quay County	17	17	17	0	0	0	0	0	0	0
Cunningham Unit 3	106	106	106	106	106	106	106	106	106	0
Cunningham Unit 4	101	101	101	101	101	101	101	101	101	0
Jones Unit 3	166	166	166	166	166	166	166	166	166	166
Jones Unit 4	170	170	170	170	170	170	170	170	170	170
Owned - Renewable Resources	138	136	135	133	132	130	129	127	126	124
Hale	66	65	64	64	63	62	62	61	60	59
Sagamore	72	71	70	70	69	68	67	66	66	65
Purchased Power - Thermal Resources	558	558	0	0	0	0	0	0	0	0
Borger Energy Associates, L.P.	0	0	0	0	0	0	0	0	0	0
Lea Power Partners, LLC.	558	558	0	0	0	0	0	0	0	0
Purchased Power - Renewable Resources	128	127	125	64	30	30	30	29	29	29
Caprock	0	0	0	0	0	0	0	0	0	0
San Juan	0	0	0	0	0	0	0	0	0	0
Wildorado	0	0	0	0	0	0	0	0	0	0
Spinning Spur	0	0	0	0	0	0	0	0	0	0
Mammoth Wind	27	27	27	0	0	0	0	0	0	0
Palo Duro Wind	34	34	34	0	0	0	0	0	0	0
Roosevelt Wind	34	34	34	33	0	0	0	0	0	0
Lorenzo	11	11	11	11	11	10	10	10	10	10
Wildcat	21	20	20	20	20	20	19	19	19	19
SunEd	0	0	0	0	0	0	0	0	0	0
Chaves	0	0	0	0	0	0	0	0	0	0
Roswell	0	0	0	0	0	0	0	0	0	0
Qualified Facility - Renewable Resources	6	6	6	6	6	5	5	5	5	5
Cirrus	0	0	0	0	0	0	0	0	0	0
Pantex Wind	2	2	2	2	2	2	2	2	2	1
Pleasant Hills Wind	3	3	3	3	3	3	3	3	3	2
Ralls Wind	1	1	1	1	1	1	1	1	1	1
TOTAL ACCREDITED CAPACITY (MW)	3,751	2,679	2,118	1,796	1,761	1,419	1,417	1,060	1,058	494
LOAD										
Retail	4,077	4,112	4,140	4,185	4,225	4,264	4,295	4,337	4,380	4,415
Firm Wholesale	0	0	0	0	0	0	0	0	0	0
Firm PR Load	0	0	0	0	0	0	0	0	0	0
DSM / Interruptibles	(29)	(28)	(26)	(27)	(26)	(26)	(26)	(25)	(25)	(25)
FIRM LOAD OBLIGATION	4,049	4,083	4,114	4,158	4,199	4,238	4,269	4,312	4,355	4,390
RESERVES										
TOTAL PLANNING RESERVE MARGIN (12%)	486	490	494	499	504	509	512	517	523	527
CAPACITY NEED	4,535	4,573	4,607	4,657	4,703	4,746	4,782	4,829	4,878	4,917
POSITION										
RESOURCE POSITION (MW): LONG/SHORT	(783)	(1,894)	(2,489)	(2,861)	(2,942)	(3,328)	(3,365)	(3,769)	(3,820)	(4,423)

SPS Load and Resources	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
EXISTING RESOURCES										
Owned - Thermal Resources	4,333	4,070	3,959	3,959	3,714	3,714	3,523	3,411	3,411	3,165
Tolk Unit 1	532	532	532	532	532	532	532	532	532	532
Tolk Unit 2	537	537	537	537	537	537	537	537	537	537
Harrington Unit 1	340	340	340	340	340	340	340	340	340	340
Harrington Unit 2	355	355	355	355	355	355	355	355	355	355
Harrington Unit 3	355	355	355	355	355	355	355	355	355	355
Plan X Unit 1	39	0	0	0	0	0	0	0	0	0
Plan X Unit 2	70	0	0	0	0	0	0	0	0	0
Plan X Unit 3	0	0	0	0	0	0	0	0	0	0
Cunningham Unit 1	42	0	0	0	0	0	0	0	0	0
Nichols Unit 1	112	0	0	0	0	0	0	0	0	0
Nichols Unit 2	111	111	0	0	0	0	0	0	0	0
Cunningham Unit 2	183	183	183	183	0	0	0	0	0	0
Plant X Unit 4	191	191	191	191	191	191	0	0	0	0
Maddox Unit 1	112	112	112	112	112	112	112	0	0	0
Nichols Unit 3	246	246	246	246	246	246	246	246	246	0
Jones Unit 1	243	243	243	243	243	243	243	243	243	243
Jones Unit 2	243	243	243	243	243	243	243	243	243	243
Maddox Unit 2	62	62	62	62	0	0	0	0	0	0
Quay County	17	17	17	17	17	17	17	17	17	17
Cunningham Unit 3	106	106	106	106	106	106	106	106	106	106
Cunningham Unit 4	101	101	101	101	101	101	101	101	101	101
Jones Unit 3	166	166	166	166	166	166	166	166	166	166
Jones Unit 4	170	170	170	170	170	170	170	170	170	170
Owned - Renewable Resources	0	143	143	143	147	145	144	142	141	139
Hale	0	84	84	84	70	69	69	68	67	67
Sagamore	0	59	59	59	77	76	75	74	73	73
Purchased Power - Thermal Resources	781	781	558	558	558	558	558	558	558	558
Borger Energy Associates, L.P.	223	223	0	0	0	0	0	0	0	0
Lea Power Partners, LLC.	558	558	558	558	558	558	558	558	558	558
Purchased Power - Renewable Resources	237	270	270	262	183	158	133	132	131	129
Caprock	8	8	8	0	0	0	0	0	0	0
San Juan	10	10	10	10	0	0	0	0	0	0
Wildorado	22	22	22	22	24	0	0	0	0	0
Spinning Spur	36	36	36	36	24	23	0	0	0	0
Mammoth Wind	51	51	51	51	29	29	29	28	28	28
Palo Duro Wind	63	63	63	63	37	36	36	36	35	35
Roosevelt Wind	47	47	47	47	37	36	36	36	35	35
Lorenzo	0	7	7	7	12	12	11	11	11	11
Wildcat	0	26	26	26	22	22	22	21	21	21
SunEd	0	0	0	0	0	0	0	0	0	0
Chaves	0	0	0	0	0	0	0	0	0	0
Roswell	0	0	0	0	0	0	0	0	0	0
Qualified Facility - Renewable Resources	0	2	2	2	6	6	6	6	6	6
Cirrus	0	0	0	0	0	0	0	0	0	0
Pantex Wind	0	1	1	1	2	2	2	2	2	2
Pleasant Hills Wind	0	1	1	1	3	3	3	3	3	3
Ralls Wind	0	0	0	0	1	1	1	1	1	1
TOTAL ACCREDITED CAPACITY (MW)	5,351	5,267	4,932	4,924	4,608	4,582	4,364	4,249	4,246	3,997
LOAD										
Retail	3,827	3,985	4,117	4,193	4,265	4,355	4,429	4,500	4,562	4,611
Firm Wholesale	0	0	0	0	0	0	0	0	0	0
Firm PR Load	301	125	100	100	0	0	0	0	0	0
DSM / Interruptibles	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)
FIRM LOAD OBLIGATION	4,100	4,081	4,189	4,264	4,236	4,326	4,400	4,471	4,533	4,582
RESERVES										
TOTAL PLANNING RESERVE MARGIN (12%)	492	490	503	512	508	519	528	536	544	550
CAPACITY NEED	4,592	4,571	4,691	4,776	4,745	4,845	4,928	5,007	5,077	5,132
POSITION										
RESOURCE POSITION (MW): LONG/(SHORT)	759	695	241	148	(136)	(264)	(564)	(758)	(830)	(1,135)

SPS Load and Resources	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041
EXISTING RESOURCES										
Owned - Thermal Resources	2,922	1,853	1,853	1,593	1,593	1,253	1,253	898	898	336
Tolk Unit 1	532	0	0	0	0	0	0	0	0	0
Tolk Unit 2	537	0	0	0	0	0	0	0	0	0
Harrington Unit 1	340	340	340	340	340	0	0	0	0	0
Harrington Unit 2	355	355	355	355	355	355	355	0	0	0
Harrington Unit 3	355	355	355	355	355	355	355	355	355	0
Plan X Unit 1	0	0	0	0	0	0	0	0	0	0
Plan X Unit 2	0	0	0	0	0	0	0	0	0	0
Plan X Unit 3	0	0	0	0	0	0	0	0	0	0
Cunningham Unit 1	0	0	0	0	0	0	0	0	0	0
Nichols Unit 1	0	0	0	0	0	0	0	0	0	0
Nichols Unit 2	0	0	0	0	0	0	0	0	0	0
Cunningham Unit 2	0	0	0	0	0	0	0	0	0	0
Plant X Unit 4	0	0	0	0	0	0	0	0	0	0
Maddox Unit 1	0	0	0	0	0	0	0	0	0	0
Nichols Unit 3	0	0	0	0	0	0	0	0	0	0
Jones Unit 1	0	0	0	0	0	0	0	0	0	0
Jones Unit 2	243	243	243	0	0	0	0	0	0	0
Maddox Unit 2	0	0	0	0	0	0	0	0	0	0
Quay County	17	17	17	0	0	0	0	0	0	0
Cunningham Unit 3	106	106	106	106	106	106	106	106	106	0
Cunningham Unit 4	101	101	101	101	101	101	101	101	101	0
Jones Unit 3	166	166	166	166	166	166	166	166	166	166
Jones Unit 4	170	170	170	170	170	170	170	170	170	170
Owned - Renewable Resources	138	136	135	133	132	130	129	127	126	124
Hale	66	65	64	64	63	62	62	61	60	59
Sagamore	72	71	70	70	69	68	67	66	66	65
Purchased Power - Thermal Resources	558	558	0	0	0	0	0	0	0	0
Borger Energy Associates, L.P.	0	0	0	0	0	0	0	0	0	0
Lea Power Partners, LLC.	558	558	0	0	0	0	0	0	0	0
Purchased Power - Renewable Resources	128	127	125	64	30	30	30	29	29	29
Caprock	0	0	0	0	0	0	0	0	0	0
San Juan	0	0	0	0	0	0	0	0	0	0
Wildorado	0	0	0	0	0	0	0	0	0	0
Spinning Spur	0	0	0	0	0	0	0	0	0	0
Mammoth Wind	27	27	27	0	0	0	0	0	0	0
Palo Duro Wind	34	34	34	0	0	0	0	0	0	0
Roosevelt Wind	34	34	34	33	0	0	0	0	0	0
Lorenzo	11	11	11	11	11	10	10	10	10	10
Wildcat	21	20	20	20	20	20	19	19	19	19
SunEd	0	0	0	0	0	0	0	0	0	0
Chaves	0	0	0	0	0	0	0	0	0	0
Roswell	0	0	0	0	0	0	0	0	0	0
Qualified Facility - Renewable Resources	6	6	6	6	6	5	5	5	5	5
Cirrus	0	0	0	0	0	0	0	0	0	0
Pantex Wind	2	2	2	2	2	2	2	2	2	1
Pleasant Hills Wind	3	3	3	3	3	3	3	3	3	2
Ralls Wind	1	1	1	1	1	1	1	1	1	1
TOTAL ACCREDITED CAPACITY (MW)	3,751	2,679	2,118	1,796	1,761	1,419	1,417	1,060	1,058	494
LOAD										
Retail	4,699	4,760	4,827	4,869	4,971	5,043	5,087	5,177	5,246	5,313
Firm Wholesale	0	0	0	0	0	0	0	0	0	0
Firm PR Load	0	0	0	0	0	0	0	0	0	0
DSM / Interruptibles	(29)	(28)	(26)	(27)	(26)	(26)	(26)	(25)	(25)	(25)
FIRM LOAD OBLIGATION	4,670	4,731	4,801	4,842	4,944	5,017	5,061	5,151	5,221	5,288
RESERVES										
TOTAL PLANNING RESERVE MARGIN (12%)	560	568	576	581	593	602	607	618	626	635
CAPACITY NEED	5,231	5,299	5,377	5,423	5,538	5,619	5,668	5,769	5,847	5,923
POSITION										
RESOURCE POSITION (MW): LONG/SHORT	(1,479)	(2,620)	(3,258)	(3,627)	(3,777)	(4,201)	(4,252)	(4,709)	(4,789)	(5,429)

SPS Load and Resources	2023 Pre-ELCC Methodology (MW)	2023 Post-ELCC Methodology (MW)
Owned - Renewable Resources		
<i>Hale</i>	<i>96</i>	<i>84</i>
<i>Sagamore</i>	<i>104</i>	<i>59</i>
Purchased Power - Renewable Resources		
<i>Caprock</i>	<i>10</i>	<i>8</i>
<i>San Juan</i>	<i>8</i>	<i>10</i>
<i>Wildorado</i>	<i>20</i>	<i>22</i>
<i>Spinning Spur</i>	<i>43</i>	<i>36</i>
<i>Mammoth Wind</i>	<i>91</i>	<i>51</i>
<i>Palo Duro Wind</i>	<i>123</i>	<i>63</i>
<i>Roosevelt Wind</i>	<i>41</i>	<i>47</i>
<i>Lorenzo</i>	<i>16</i>	<i>7</i>
<i>Wildcat</i>	<i>30</i>	<i>26</i>
<i>SunEd</i>	<i>0</i>	<i>0</i>
<i>Chaves</i>	<i>0</i>	<i>0</i>
<i>Roswell</i>	<i>0</i>	<i>0</i>
Qualified Facility - Renewable Resources		
<i>Cirrus</i>	<i>0</i>	<i>0</i>
<i>Pantex Wind</i>	<i>0</i>	<i>1</i>
<i>Pleasant Hills Wind</i>	<i>0</i>	<i>1</i>
<i>Ralls Wind</i>	<i>0</i>	<i>0</i>
Total	582	415