

**DOCKET NO. 51802**

**APPLICATION OF SOUTHWESTERN § BEFORE THE STATE OFFICE  
PUBLIC SERVICE COMPANY FOR § OF  
AUTHORITY TO CHANGE RATES § ADMINISTRATIVE HEARINGS**

**UPDATE TESTIMONY  
of  
JANNELL E. MARKS**

*on behalf of*

**SOUTHWESTERN PUBLIC SERVICE COMPANY**

*(Filename: MarksRDUpdate.doc; Total Pages: 64)*

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## **GLOSSARY OF ACRONYMS AND DEFINED TERMS**

| <b><u>Acronym/Defined Term</u></b> | <b><u>Meaning</u></b>                                         |
|------------------------------------|---------------------------------------------------------------|
| Census class                       | customer class in which all customers have IDR meters         |
| IDR                                | Interval Demand Recorders                                     |
| MW                                 | megawatt                                                      |
| MWh                                | megawatt-hour                                                 |
| Non-Census class                   | customer class in which not all customers have IDR meters     |
| RFP                                | Rate Filing Package                                           |
| SPS                                | Southwestern Public Service Company, a New Mexico corporation |
| Update Period                      | October 1, 2020 through December 31, 2020                     |
| Updated Test Year                  | January 1, 2020 through December 31, 2020                     |

## LIST OF ATTACHMENTS

| <b><u>Attachment</u></b> | <b><u>Description</u></b>                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------|
| JEM-RD-U1                | Weather Normalization of Updated Test Year Sales<br>(Filename: JEM-RD-U1.xlsx)                             |
| JEM-RD-U2                | Weather Normalization of Updated Test Year Sales<br>Wholesale and New Mexico<br>(Filename: JEM-RD-U2.xlsx) |
| JEM-RD-U3                | Weather Normalization of Updated Test Year Peak<br>Demand<br>(Filename: JEM-RD-U3.xlsx)                    |

**UPDATE TESTIMONY  
OF  
JANNELL E. MARKS**

**I. WITNESS IDENTIFICATION**

1

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

3   A.     My name is Jannell E. Marks. My business address is 1800 Larimer Street, Denver,  
4           Colorado 80202.

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

6   A.     I am employed by Xcel Energy Services Inc. as Director of Sales, Energy and  
7           Demand Forecasting.

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

9   A.     I am filing testimony on behalf of Southwestern Public Service Company, a New  
10          Mexico corporation (“SPS”).

11   **Q.     Are you the same Jannell E. Marks who filed direct testimony on behalf of SPS**  
12          **in this docket?**

13   A.     Yes.

1                   **II.   ASSIGNMENT AND SUMMARY OF TESTIMONY**

2   **Q.   What is the purpose of your update testimony?**

3   A.   In my direct testimony, I relied on forecasts of certain load research data for the  
4       Update Period (October 1, 2020 through December 31, 2020). The purpose of this  
5       testimony is to update this load research data based on: (1) actual Update Period  
6       demand data for the “Census classes,” the customer classes in which all customers  
7       have Interval Demand Recorder (“IDR”) meters;<sup>1</sup> and (2) Update Period load  
8       research samples for the “non-Census classes,” the classes in which not all  
9       customers have IDR meters.

10           In my direct testimony, I also relied on estimates of the weather  
11       normalization adjustment for the Update Period. In this testimony, I provide the  
12       actual weather normalization adjustment for the Updated Test Year (i.e., January 1,  
13       2020 through December 31, 2020). I provided the updated load research data and  
14       actual weather normalization adjustment to SPS witness Richard M. Luth, who  
15       incorporated both into the updated class cost of service study and rate design he  
16       presents.

17           I also update certain Rate Filing Package (“RFP”) schedules that I sponsor  
18       or co-sponsor to reflect data for the Updated Test Year. Specifically, I am updating  
19       the following schedules:

- 20           •   Schedule O – 1.3, 1.4, 1.9, 8.1, and 8.2; and  
21           •   Schedule Q – 5.1 and 5.2.

---

<sup>1</sup> IDR meters are meters capable of recording loads for each interval of time.

- 1    **Q.    Do any of the attachments to your update testimony reflect any corrections to**  
2        **the attachments included with your direct testimony?**
- 3    A.    Yes. In preparing this update testimony, I identified an error in Attachment JEM-  
4        RD-2 to my direct testimony. In the original Attachment JEM-RD-2 (tab “Weather  
5        Impact Calc NM,” row 40), the New Mexico Residential Service Cooling Degree  
6        Days Weather Adjustment incorrectly used the Heating Degree Days Weather  
7        Coefficients in the calculation. This has been corrected in Attachment JEM-RD-U2  
8        to use the Cooling Degree Days Weather Coefficients in the calculation. This  
9        correction resulted in a 21,044 megawatt-hours (“MWh”) change to the New  
10       Mexico retail weather impact adjustment calculation for the Updated Test Year.
- 11   **Q.    Were Attachments JEM-RD-U1, JEM-RD-U2, and JEM-RD-U3 prepared by**  
12        **you or under your direct supervision and control?**
- 13   A.    Yes.
- 14   **Q.    Were the portions of the updated RFP schedules that you sponsor or**  
15        **co-sponsor prepared by you or under your supervision and control?**
- 16   A.    Yes.
- 17   **Q.    Do you incorporate the updated RFP schedules sponsored or co-sponsored by**  
18        **you into this testimony?**
- 19   A.    Yes.

1 **III. LOAD RESEARCH**

2 **Q. What is the purpose of the load research data you present?**

3 A. As explained in my direct testimony, load research is the systematic collection and  
4 analysis of customers' electrical energy and demand requirements by time-of-day,  
5 month, season, and year. SPS uses information from IDR meters to determine the  
6 coincident and non-coincident peaks for all customer classes. For the "Census  
7 classes," the IDR meters provide actual measurements of demand. However, it is  
8 costly and not feasible to install an IDR meter for every customer in every class  
9 solely for load research purposes, given their functionality. Therefore, for those  
10 customer classes in which not all customers have IDR meters, which are referred  
11 to as the "non-Census classes," it is necessary to develop load research samples to  
12 estimate the coincident and non-coincident peaks for the classes.

13 **Q. What specific load research statistics have you updated?**

14 A. Specifically, for the Update Period, I provide: (1) the class coincident and non-  
15 coincident peak demand for the Census classes; and (2) the class coincident and  
16 non-coincident load factors at peak for the non-Census classes. I recommend the  
17 Public Utility Commission of Texas approve those Update Period peak demands  
18 and load factors for purposes of allocating costs among classes and designing rates.

19 **Q. How did SPS use the updated load research statistics you provided?**

20 A. I provided the non-Census class Update Period coincident and non-coincident load  
21 factors at peak and the Census class Update Period coincident and non-coincident  
22 peak demand for each month to Mr. Luth who used them to develop demand  
23 allocators for the Update Period.

1    **Q.     Did SPS perform its Update Period load research and calculate its Update**  
2           **Period load research statistics using the same methodologies described in your**  
3           **direct testimony?**

4    **A.     Yes. Those methodologies are described on pages 17-21 of my direct testimony.**



1                    **IV.     WEATHER'S EFFECT ON UPDATED TEST YEAR**  
2                                            **SALES AND PEAK DEMAND**

3     **Q.     Did SPS calculate the effects on sales of abnormal weather for the Update**  
4                    **Period?**

5     A.     Yes. Using the same methodology as discussed in my direct testimony on pages  
6                    22-44, SPS performed the weather normalization for the Update Period to ensure  
7                    that its Updated Test Year sales and the present revenues calculated using those  
8                    sales are adjusted to eliminate the effects of abnormal weather.

9                    Because the 12 months that comprise the Updated Test Year were hotter  
10                    and dryer than the 10-year average in SPS's service area during the cooling season  
11                    and warmer than the 10-year average during the heating season, SPS calculated the  
12                    effects of abnormal weather, as it has done in prior cases. The Updated Test Year  
13                    heating degree days were 1.3% below normal; the Updated Test Year cooling  
14                    degree days were 8.2% above normal; and the Updated Test Year precipitation was  
15                    34.5% below normal. Taken together, the weather deviations resulted in 52,061  
16                    MWh more being consumed in the Updated Test Year than would have been  
17                    consumed in the Updated Test Year with normal weather, which amounts to 0.4%  
18                    of total Texas retail sales. The calculation of the weather impact and the percent  
19                    deviation are provided in Attachment JEM-RD-U1.

20     **Q.     Did SPS adjust its New Mexico retail sales during the Updated Test Year to**  
21                    **account for the effects of abnormal weather on New Mexico retail sales?**

22     A.     Yes. SPS adjusted the Updated Test Year sales for the weather-sensitive New  
23                    Mexico retail classes using the same process described for Texas retail sales. These  
24                    calculations are provided in Attachment JEM-RD-U2.

1   **Q.     Did SPS adjust its firm wholesale sales during the Updated Test Year to**  
2       **account for the effects of abnormal weather on wholesale sales?**

3   A.    Yes. SPS adjusted the Updated Test Year sales for SPS firm wholesale customers  
4        using weather adjustment coefficients developed for each wholesale customer and  
5        weather specific to the location of each wholesale customer, as described in my  
6        direct testimony. The calculations of the weather adjustment for firm wholesale  
7        sales are provided in Attachment JEM-RD-U2.

8   **Q.     Did SPS calculate the effects of abnormal weather on its Updated Test Year**  
9       **system peak demand?**

10  A.    Yes. For the same reason I explained in Section VII of my direct testimony, I  
11        adjusted the peak demands in all three of SPS's rate jurisdictions to ensure that the  
12        allocation percentages for each jurisdiction are determined on the same basis for  
13        purposes of this rate case.

14  **Q.     How did the Updated Test Year peak day weather for the June through**  
15       **September 2020 period compare to normal weather?**

16  A.    The total SPS Updated Test Year summer months (June through September 2020)  
17        peak day average daily temperature was 2.5% above normal, and accumulated  
18        precipitation was 61.6% below normal. As shown on page 2 of Attachment  
19        JEM-RD-U3, taken together these weather deviations resulted in an average of 31  
20        megawatts ("MW"), or 0.9%, more retail peak demand per month from June, July,  
21        August, and September in the Updated Test Year compared to normal weather. The  
22        New Mexico Updated Test Year summer months (July through September 2020)  
23        peak day average daily temperature was 3.3% above normal, and accumulated

1 precipitation was 47.4% below normal. Taken together these weather deviations  
2 resulted in an average of 19 MW, or 1.9%, more full requirements wholesale peak  
3 demand per month at the transmission level and an average of 5 MW, or 2.0% more  
4 full requirements wholesale peak demand at the production level from from June,  
5 July, August, and September in the Updated Test Year compared to normal  
6 weather. SPS adjusted the Updated Test Year peak demand for deviations of the  
7 actual Updated Test Year weather from the 10-year average weather.

8 **Q. Did SPS calculate the effect of weather on the Golden Spread full load peak**  
9 **demand coincident with the SPS system peak demand?**

10 A. Yes. I calculated the effect of weather on the Golden Spread full load peak demand  
11 coincident with the SPS system peak demand using the same methodology  
12 described in my direct testimony. The weather values used to adjust the Golden  
13 Spread full load peak demand were calculated for the Texas Panhandle region. For  
14 the Texas Panhandle, the Updated Test Year summer months (June, July, August,  
15 and September, 2020) peak day average daily temperature was 2.5% above normal,  
16 and the accumulated precipitation was 64.2% below normal. As shown on page 2  
17 of Attachment JEM-RD-U3, the average weather adjustment for the Golden Spread  
18 full load peak demand coincident with the SPS system peak demand for the four  
19 months of June, July, August, and September, of the Updated Test Year was 27  
20 MW per month. Page 6 of Attachment JEM-RD-U3 provides the weather  
21 adjustment calculation for the Golden Spread full load peak demand.

22 **Q. How did SPS use the weather-adjusted sales and peak demand figures?**

23 A. After calculating the weather adjustments for sales and peak demand by customer  
24 class, I supplied those adjustments to Mr. Luth, who used them to calculate present

1 revenues and the allocation of production and transmission capacity costs among  
2 classes.

3 **Q. Does this conclude your pre-filed update testimony?**

4 A. Yes.

# AFFIDAVIT

STATE OF COLORADO       )  
                                          )  
COUNTY OF JEFFERSON    )

JANNELL E. MARKS, first being sworn on her oath, states:

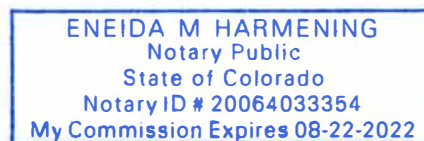
I am the witness identified in the preceding testimony. I have read the testimony and am familiar with the contents. Based upon my personal knowledge, the facts stated in the testimony are true. In addition, in my judgment and based upon my professional experience, the opinions and conclusions stated in the testimony are true, valid, and accurate.

  
JANNELL E. MARKS

Subscribed and sworn to before me this 17<sup>th</sup> day of March 2021 by JANNELL E. MARKS.

  
\_\_\_\_\_  
Notary Public, State of Colorado

My Commission Expires: 08/22/2022



### **CERTIFICATE OF SERVICE**

I certify that on the 25<sup>th</sup> day of March 2021, notice of the filing of the foregoing update testimony with the PUCT was served on all parties of record by electronic service and was posted to SPS's file sharing platform.

/s/ Jeremiah W. Cunningham

**Texas Panhandle Weather Data (Amarillo TX and Lubbock TX)  
Normal Weather Based on a 10-year Historical Average**

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Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales

|                         |                                | Southwestern Public Service Company Electric Sales - Texas |           |           |                 |         |            |              |           |           |              |           |        |                 |            |            |                               |
|-------------------------|--------------------------------|------------------------------------------------------------|-----------|-----------|-----------------|---------|------------|--------------|-----------|-----------|--------------|-----------|--------|-----------------|------------|------------|-------------------------------|
|                         |                                | Calendar Month - MONTHLY MWH                               |           |           |                 |         |            |              |           |           |              |           |        |                 |            |            |                               |
|                         | Actual Sales<br>Cal Mth<br>Res | Actual Sales                                               |           |           | Actual Sales    |         |            | Actual Sales |           |           | Actual Sales |           |        | Actual Sales    |            |            | WN Sales<br>Cal Mth<br>Retail |
|                         |                                | Small C&I                                                  | Large C&I | Street    | Other Sale Auth | Cal Mth | Cal Mth    | Cal Mth      | Cal Mth   | Cal Mth   | Small C&I    | Large C&I | Street | Other Sale Auth | Cal Mth    | Cal Mth    |                               |
| Jan-20                  | Actual                         | 228,222                                                    | 228,759   | 668,009   | 2,305           | 27,130  | 1,154,426  | 237,019      | 230,388   | 668,012   | 2,305        | 27,130    | 2,305  | 27,130          | 1,164,854  | 1,164,854  |                               |
| Feb-20                  | Actual                         | 195,177                                                    | 206,707   | 627,488   | 2,271           | 23,881  | 1,055,525  | 189,958      | 205,185   | 627,488   | 2,271        | 23,881    | 2,271  | 23,881          | 1,048,784  | 1,048,784  |                               |
| Mar-20                  | Actual                         | 168,419                                                    | 224,110   | 657,094   | 2,266           | 31,750  | 1,083,639  | 169,845      | 233,757   | 657,094   | 2,266        | 32,578    | 2,266  | 32,578          | 1,095,539  | 1,095,539  |                               |
| Apr-20                  | Actual                         | 137,558                                                    | 207,480   | 597,713   | 2,254           | 23,384  | 968,388    | 137,571      | 201,322   | 597,497   | 2,254        | 22,324    | 2,254  | 22,324          | 960,969    | 960,969    |                               |
| May-20                  | Actual                         | 191,651                                                    | 246,586   | 556,748   | 2,233           | 26,375  | 1,023,593  | 188,466      | 242,612   | 556,505   | 2,233        | 25,778    | 2,233  | 25,778          | 1,015,594  | 1,015,594  |                               |
| Jun-20                  | Actual                         | 259,671                                                    | 262,404   | 564,981   | 2,211           | 26,014  | 1,115,281  | 258,879      | 262,520   | 565,025   | 2,211        | 25,983    | 2,211  | 25,983          | 1,114,617  | 1,114,617  |                               |
| Jul-20                  | Actual                         | 319,146                                                    | 326,932   | 622,088   | 2,196           | 37,538  | 1,307,900  | 296,444      | 312,353   | 621,416   | 2,196        | 36,744    | 2,196  | 36,744          | 1,269,154  | 1,269,154  |                               |
| Aug-20                  | Actual                         | 293,505                                                    | 318,191   | 656,427   | 2,147           | 42,621  | 1,312,891  | 272,095      | 302,670   | 655,757   | 2,147        | 41,331    | 2,147  | 41,331          | 1,274,000  | 1,274,000  |                               |
| Sep-20                  | Actual                         | 189,415                                                    | 234,634   | 606,984   | 2,093           | 26,636  | 1,059,761  | 201,073      | 240,705   | 607,097   | 2,093        | 28,641    | 2,093  | 28,641          | 1,079,608  | 1,079,608  |                               |
| Oct-20                  | Actual                         | 178,659                                                    | 249,164   | 609,808   | 2,050           | 34,222  | 1,073,903  | 176,258      | 247,875   | 609,806   | 2,050        | 33,598    | 2,050  | 33,598          | 1,069,587  | 1,069,587  |                               |
| Nov-20                  | Actual                         | 171,725                                                    | 238,550   | 610,223   | 1,975           | 30,502  | 1,052,975  | 176,416      | 240,879   | 610,226   | 1,975        | 30,502    | 1,975  | 30,502          | 1,059,998  | 1,059,998  |                               |
| Dec-20                  | Actual                         | 228,986                                                    | 220,074   | 603,848   | 1,952           | 23,814  | 1,078,674  | 231,577      | 220,999   | 603,849   | 1,952        | 23,814    | 1,952  | 23,814          | 1,082,191  | 1,082,191  |                               |
| Updated Test Year Total | Actual                         | 2,562,133                                                  | 2,963,591 | 7,381,412 | 25,954          | 353,867 | 13,286,957 | 2,535,602    | 2,941,264 | 7,379,771 | 25,954       | 352,304   | 25,954 | 352,304         | 13,234,896 | 13,234,896 |                               |



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Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales

| Texas Retail Weather Adjustment Summary   |                   |                 |                   |                |                 |                |                  |                  |                    |                 |                   |                   | Updated<br>Test Year |
|-------------------------------------------|-------------------|-----------------|-------------------|----------------|-----------------|----------------|------------------|------------------|--------------------|-----------------|-------------------|-------------------|----------------------|
| Heating Degree Days 10-yr Normal          | Jan-20<br>801     | Feb-20<br>651   | Mar-20<br>394     | Apr-20<br>210  | May-20<br>74    | Jun-20<br>0    | Jul-20<br>0      | Aug-20<br>0      | Sep-20<br>18       | Oct-20<br>187   | Nov-20<br>473     | Dec-20<br>799     | Total<br>3,609       |
| Heating Degree Days Actual                | 705               | 727             | 344               | 250            | 49              | 0              | 0                | 0                | 62                 | 277             | 375               | 771               | 3,560                |
| Variance from Normal                      | (96)              | 76              | (50)              | 40             | (25)            | (6)            | 0                | 0                | 44                 | 90              | (98)              | (28)              | (49)                 |
| Cooling Degree Days 10-yr Normal          | Jan-20<br>0       | Feb-20<br>1     | Mar-20<br>9       | Apr-20<br>37   | May-20<br>159   | Jun-20<br>412  | Jul-20<br>482    | Aug-20<br>440    | Sep-20<br>229      | Oct-20<br>47    | Nov-20<br>2       | Dec-20<br>0       | Total<br>1,817       |
| Cooling Degree Days Actual                | 0                 | 0               | 7                 | 25             | 181             | 415            | 562              | 518              | 178                | 72              | 8                 | 0                 | 1,966                |
| Variance from Normal                      | 0                 | (1)             | (2)               | (12)           | 22              | 3              | 80               | 78               | (51)               | 25              | 6                 | 0                 | 149                  |
| Precipitation 10-yr Normal                | Jan-20<br>0.67    | Feb-20<br>0.71  | Mar-20<br>0.68    | Apr-20<br>1.48 | May-20<br>2.40  | Jun-20<br>2.17 | Jul-20<br>3.03   | Aug-20<br>2.98   | Sep-20<br>1.92     | Oct-20<br>1.51  | Nov-20<br>0.71    | Dec-20<br>0.55    | Total<br>18.81       |
| Precipitation Actual                      | 0.28              | 0.42            | 1.96              | 0.09           | 0.85            | 2.55           | 2.09             | 1.63             | 0.60               | 1.40            | 0.26              | 0.19              | 12.32                |
| Variance from Normal                      | (0.39)            | (0.29)          | 1.28              | (1.39)         | (1.55)          | 0.38           | (0.95)           | (1.36)           | (1.32)             | (0.11)          | (0.44)            | (0.36)            | (6.49)               |
| Texas Residential Service (1)             | Jan-20<br>(8,797) | Feb-20<br>5,218 | Mar-20<br>(1,426) | Apr-20<br>(13) | May-20<br>3,185 | Jun-20<br>793  | Jul-20<br>22,702 | Aug-20<br>21,409 | Sep-20<br>(11,659) | Oct-20<br>2,401 | Nov-20<br>(4,691) | Dec-20<br>(2,591) | Total<br>26,531      |
| Texas Small General Service (2)           | (550)             | 332             | (100)             | (1)            | 221             | 59             | 1,874            | 1,997            | (1,143)            | 231             | (289)             | (169)             | 2,461                |
| Texas Secondary General Service (3) & (4) | (1,082)           | 1,190           | (9,546)           | 6,158          | 3,756           | (174)          | 12,726           | 13,546           | (4,938)            | 1,060           | (2,044)           | (758)             | 19,895               |
| CRMWA Weather Adjustment (5)              | 0                 | 0               | 0                 | 216            | 241             | (44)           | 651              | 649              | (102)              | 0               | 0                 | 0                 | 1,611                |
| Small Municipal and School Service (6)    | 0                 | 0               | (46)              | 60             | 34              | 2              | 43               | 73               | (123)              | 35              | 0                 | 0                 | 77                   |
| Large Municipal and School Service (7)    | 0                 | 0               | (362)             | 606            | 395             | 18             | 471              | 724              | (1,128)            | 306             | 0                 | 0                 | 1,030                |
| Large School Service (8)                  | 0                 | 0               | (419)             | 393            | 168             | 11             | 280              | 493              | (754)              | 284             | 0                 | 0                 | 455                  |
| Texas Retail Weather Adjustment Total     | (10,428)          | 6,740           | (11,900)          | 7,419          | 7,999           | 664            | 38,747           | 38,891           | (19,847)           | 4,316           | (7,024)           | (3,517)           | 52,061               |

Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales

| Texas Residential Service                             |           |           |           |           |           |           |           |           |           |           |           |           |
|-------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Heating Degree Days Weather Adjustment (10-yr Normal) |           |           |           |           |           |           |           |           |           |           |           |           |
| Variance from Normal                                  | Jan-20    | Feb-20    | Mar-20    | Apr-20    | May-20    | Jun-20    | Jul-20    | Aug-20    | Sep-20    | Oct-20    | Nov-20    | Dec-20    |
| Heating Degree Days Weather Coefficients              | (96)      | 76        | (50)      | 40        | (25)      | (0)       | 0         | 0         | 44        | 90        | (98)      | (28)      |
| Res Service Customers                                 | 0.0004422 | 0.0003352 | 0.0001380 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000049 | 0.0002311 | 0.0004399 |
| Heating Degree Days Weather Adjustment (MWh)          | 206,269   | 206,146   | 206,328   | 206,364   | 206,548   | 206,789   | 206,980   | 207,101   | 207,072   | 207,356   | 207,373   | 207,569   |
|                                                       | -8,797    | 5,218     | -1,426    | 0         | 0         | 0         | 0         | 0         | 0         | 91        | -4,691    | -2,591    |
| Cooling Degree Days Weather Adjustment (10-yr Normal) |           |           |           |           |           |           |           |           |           |           |           |           |
| Variance from Normal                                  | Jan-20    | Feb-20    | Mar-20    | Apr-20    | May-20    | Jun-20    | Jul-20    | Aug-20    | Sep-20    | Oct-20    | Nov-20    | Dec-20    |
| Cooling Degree Days Weather Coefficients              | 0         | (1)       | (2)       | (12)      | 22        | 3         | 80        | 78        | (51)      | 25        | 6         | 0         |
| Res Service Customers                                 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000054 | 0.0006891 | 0.0012502 | 0.0013654 | 0.0013288 | 0.0010968 | 0.0004419 | 0.0000000 | 0.0000000 |
| Cooling Degree Days Weather Adjustment (MWh)          | 206,269   | 206,146   | 206,328   | 206,364   | 206,548   | 206,789   | 206,980   | 207,101   | 207,072   | 207,356   | 207,373   | 207,569   |
|                                                       | 0         | 0         | 0         | (13)      | 3,185     | 793       | 22,702    | 21,409    | (11,659)  | 2,310     | 0         | 0         |
| <b>TX Residential Service Weather Adjustment (1)</b>  | (8,797)   | 5,218     | (1,426)   | (13)      | 3,185     | 793       | 22,702    | 21,409    | (11,659)  | 2,401     | (4,691)   | (2,591)   |

Southwestern Public Service Company  
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| Texas Small General Service                           |           |           |           |           |           |           |           |           |           |           |           |           |
|-------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Heating Degree Days Weather Adjustment (10-yr Normal) |           |           |           |           |           |           |           |           |           |           |           |           |
| Variance from Normal                                  |           |           |           |           |           |           |           |           |           |           |           |           |
| Heating Degree Days Weather Coefficients              |           |           |           |           |           |           |           |           |           |           |           |           |
| Small General Service Customers                       | Jan-20    | Feb-20    | Mar-20    | Apr-20    | May-20    | Jun-20    | Jul-20    | Aug-20    | Sep-20    | Oct-20    | Nov-20    | Dec-20    |
| Heating Degree Days Weather Adjustment (MWh)          | (96)      | 76        | (50)      | 40        | (25)      | (0)       | 0         | 0         | 44        | 90        | (98)      | (28)      |
|                                                       | 0.0001764 | 0.0001364 | 0.0000621 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000019 | 0.0000915 | 0.0001839 |
|                                                       | 32,316    | 32,242    | 32,274    | 32,223    | 32,203    | 32,241    | 32,251    | 32,241    | 32,263    | 32,250    | 32,262    | 32,299    |
|                                                       | -550      | 332       | -100      | 0         | 0         | 0         | 0         | 0         | 0         | 6         | -289      | -169      |
| Cooling Degree Days Weather Adjustment (10-yr Normal) |           |           |           |           |           |           |           |           |           |           |           |           |
| Variance from Normal                                  |           |           |           |           |           |           |           |           |           |           |           |           |
| Cooling Degree Days Weather Coefficients              |           |           |           |           |           |           |           |           |           |           |           |           |
| Small General Service Customers                       | Jan-20    | Feb-20    | Mar-20    | Apr-20    | May-20    | Jun-20    | Jul-20    | Aug-20    | Sep-20    | Oct-20    | Nov-20    | Dec-20    |
| Cooling Degree Days Weather Adjustment (MWh)          | 0         | (1)       | (2)       | (12)      | 22        | 3         | 80        | 78        | (51)      | 25        | 6         | 0         |
|                                                       | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000024 | 0.0003064 | 0.0005941 | 0.0007232 | 0.0007961 | 0.0006904 | 0.000767  | 0.0000000 | 0.0000000 |
|                                                       | 32,316    | 32,242    | 32,274    | 32,223    | 32,203    | 32,241    | 32,251    | 32,241    | 32,263    | 32,250    | 32,262    | 32,299    |
|                                                       | 0         | 0         | 0         | (1)       | 221       | 59        | 1,874     | 1,997     | (1,143)   | 225       | 0         | 0         |
|                                                       | (550)     | 332       | (100)     | (1)       | 221       | 59        | 1,874     | 1,997     | (1,143)   | 231       | (289)     | (169)     |
| TX Small General Service Weather Adjustment           |           |           |           |           |           |           |           |           |           |           |           |           |

Southwestern Public Service Company  
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| Texas Small Secondary General Service                            |                |              |                |              |              |              |               |               |                |              |                |              |
|------------------------------------------------------------------|----------------|--------------|----------------|--------------|--------------|--------------|---------------|---------------|----------------|--------------|----------------|--------------|
| Heating Degree Days Weather Adjustment (10-yr Normal)            |                |              |                |              |              |              |               |               |                |              |                |              |
| Variance from Normal                                             | Jan-20         | Feb-20       | Mar-20         | Apr-20       | May-20       | Jun-20       | Jul-20        | Aug-20        | Sep-20         | Oct-20       | Nov-20         | Dec-20       |
| Heating Degree Days Weather Coefficients                         | (96)           | 76           | (50)           | 40           | (25)         | (0)          | 0             | 0             | 44             | 90           | (98)           | (28)         |
| Small Secondary General Customers                                | 0.0009644      | 0.0000000    | 0.0000000      | 0.0000000    | 0.0000000    | 0.0000000    | 0.0000000     | 0.0000000     | 0.0000000      | 0.000369     | 0.0017368      | 0.0022187    |
| Heating Degree Days Weather Adjustment (MWh)                     | 11,879         | 11,924       | 11,942         | 11,946       | 11,956       | 11,958       | 11,967        | 11,974        | 11,967         | 11,987       | 11,999         | 12,017       |
|                                                                  | -1,105         | 0            | 0              | 0            | 0            | 0            | 0             | 0             | 0              | 40           | -2,040         | -757         |
| Cooling Degree Days Weather Adjustment (10-yr Normal)            |                |              |                |              |              |              |               |               |                |              |                |              |
| Variance from Normal                                             | Jan-20         | Feb-20       | Mar-20         | Apr-20       | May-20       | Jun-20       | Jul-20        | Aug-20        | Sep-20         | Oct-20       | Nov-20         | Dec-20       |
| Cooling Degree Days Weather Coefficients                         | 0              | (1)          | (2)            | (12)         | 22           | 3            | 80            | 78            | (51)           | 25           | 6              | 0            |
| Small Secondary General Customers                                | 0.0000000      | 0.0000000    | 0.0000000      | 0.0000456    | 0.0057740    | 0.0101414    | 0.0118153     | 0.0124481     | 0.0093773      | 0.0033688    | 0.0000000      | 0.0000000    |
| Cooling Degree Days Weather Adjustment (MWh)                     | 11,879         | 11,924       | 11,942         | 11,946       | 11,956       | 11,958       | 11,967        | 11,974        | 11,967         | 11,987       | 11,999         | 12,017       |
|                                                                  | 0              | 0            | 0              | -6           | 1,545        | 372          | 11,358        | 11,596        | -5,761         | 1,018        | 0              | 0            |
| Precipitation Weather Adjustment (10-yr Normal)                  |                |              |                |              |              |              |               |               |                |              |                |              |
| Variance from Normal                                             | Jan-20         | Feb-20       | Mar-20         | Apr-20       | May-20       | Jun-20       | Jul-20        | Aug-20        | Sep-20         | Oct-20       | Nov-20         | Dec-20       |
| Precipitation Weather Coefficients                               | (0.39)         | (0.29)       | 1.28           | (1.39)       | (1.55)       | 0.38         | (0.95)        | (1.36)        | (1.32)         | (0.11)       | (0.44)         | (0.36)       |
| Small Secondary General Customers                                | -0.0053900     | -0.3462831   | -0.6238173     | -0.3712668   | -0.1190979   | -0.1190780   | -0.1189886    | -0.1187365    | -0.0528838     | 0.0000000    | 0.0000000      | 0.0000000    |
| Precipitation Weather Adjustment (MWh)                           | 11,879         | 11,924       | 11,942         | 11,946       | 11,956       | 11,958       | 11,967        | 11,974        | 11,967         | 11,987       | 11,999         | 12,017       |
|                                                                  | 25             | 1,190        | (9,546)        | 6,165        | 2,209        | (547)        | 1,347         | 1,929         | 833            | 0            | 0              | 0            |
| <b>TX Small Secondary General Service Weather Adjustment (4)</b> | <b>(1,080)</b> | <b>1,190</b> | <b>(9,546)</b> | <b>6,158</b> | <b>3,753</b> | <b>(175)</b> | <b>12,705</b> | <b>13,525</b> | <b>(4,927)</b> | <b>1,058</b> | <b>(2,040)</b> | <b>(757)</b> |

Southwestern Public Service Company  
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| Texas Large Secondary General Service                     |                |               |                |                |                |               |              |              |                |              |                |
|-----------------------------------------------------------|----------------|---------------|----------------|----------------|----------------|---------------|--------------|--------------|----------------|--------------|----------------|
| Heating Degree Days Weather Adjustment (10-yr Normal)     |                |               |                |                |                |               |              |              |                |              |                |
| Variance from Normal                                      | Jan-20<br>(96) | Feb-20<br>76  | Mar-20<br>(50) | Apr-20<br>40   | May-20<br>(25) | Jun-20<br>(0) | Jul-20<br>0  | Aug-20<br>0  | Sep-20<br>44   | Oct-20<br>90 | Nov-20<br>(98) |
| Heating Degree Days Weather Coefficients                  | 0.0009644      | 0.0000000     | 0.0000000      | 0.0000000      | 0.0000000      | 0.0000000     | 0.0000000    | 0.0000000    | 0.0000000      | 0.000369     | 0.0017368      |
| Large Secondary General Customers                         | 22             | 23            | 22             | 22             | 22             | 22            | 22           | 22           | 22             | 22           | 22             |
| Heating Degree Days Weather Adjustment (MWh)              | -2             | 0             | 0              | 0              | 0              | 0             | 0            | 0            | 0              | 0            | -4             |
| Cooling Degree Days Weather Adjustment (10-yr Normal)     |                |               |                |                |                |               |              |              |                |              |                |
| Variance from Normal                                      | Jan-20<br>0    | Feb-20<br>(1) | Mar-20<br>(2)  | Apr-20<br>(12) | May-20<br>22   | Jun-20<br>3   | Jul-20<br>80 | Aug-20<br>78 | Sep-20<br>(51) | Oct-20<br>25 | Nov-20<br>6    |
| Cooling Degree Days Weather Coefficients                  | 0.0000000      | 0.0000000     | 0.0000000      | 0.0000456      | 0.0057740      | 0.0101414     | 0.0118153    | 0.0124481    | 0.0093773      | 0.0033688    | 0.0000000      |
| Large Secondary General Customers                         | 22             | 23            | 22             | 22             | 22             | 22            | 22           | 22           | 22             | 22           | 22             |
| Cooling Degree Days Weather Adjustment (MWh)              | 0              | 0             | 0              | 0              | 3              | 1             | 21           | 21           | -11            | 2            | 0              |
| Precipitation Weather Adjustment (10-yr Normal)           |                |               |                |                |                |               |              |              |                |              |                |
| Variance from Normal                                      | Jan-20         | Feb-20        | Mar-20         | Apr-20         | May-20         | Jun-20        | Jul-20       | Aug-20       | Sep-20         | Oct-20       | Nov-20         |
| Precipitation Weather Coefficients                        |                |               |                |                |                |               |              |              |                |              |                |
| Small Secondary General Customers                         |                |               |                |                |                |               |              |              |                |              |                |
| Precipitation Weather Adjustment (MWh)                    |                |               |                |                |                |               |              |              |                |              |                |
| TX Large Secondary General Service Weather Adjustment (5) | (2)            | 0             | 0              | (0)            | 3              | 1             | 21           | 21           | (11)           | 2            | (4)            |
|                                                           |                |               |                |                |                |               |              |              |                |              | (1)            |

Large SG customer usage is not impacted by precipitation

Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales

| Canadian River Municipal Water Authority (CRMWA)      |           |           |           |              |              |              |              |              |              |           |           |           |
|-------------------------------------------------------|-----------|-----------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|-----------|-----------|
| Cooling Degree Days Weather Adjustment (10-yr Normal) |           |           |           |              |              |              |              |              |              |           |           |           |
| Variance from Normal                                  | Jan-20    | Feb-20    | Mar-20    | Apr-20       | May-20       | Jun-20       | Jul-20       | Aug-20       | Sep-20       | Oct-20    | Nov-20    | Dec-20    |
| Cooling Degree Days Weather Coefficients              | 0         | (1)       | (2)       | (12)         | 22           | 3            | 80           | 78           | (51)         | 25        | 6         | 0         |
| CRMWA Customers                                       | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000    | 0.0000000    | 5.1028412    | 6.2818395    | 5.6352651    | 5.9612807    | 0.0000000 | 0.0000000 | 0.0000000 |
| Cooling Degree Days Weather Adjustment (MWh)          | 0         | 0         | 0         | 0            | 0            | 16           | 505          | 438          | (306)        | 0         | 0         | 0         |
| Precipitation Weather Adjustment (10-yr Normal)       |           |           |           |              |              |              |              |              |              |           |           |           |
| Variance from Normal                                  | Jan-20    | Feb-20    | Mar-20    | Apr-20       | May-20       | Jun-20       | Jul-20       | Aug-20       | Sep-20       | Oct-20    | Nov-20    | Dec-20    |
| Precipitation Weather Coefficients                    | (0.39)    | (0.29)    | 1.28      | (1.39)       | (1.55)       | 0.38         | (0.95)       | (1.36)       | (1.32)       | (0.11)    | (0.44)    | (0.36)    |
| Small Secondary General Customers                     | 0.0000000 | 0.0000000 | 0.0000000 | -155.1887401 | -155.1887401 | -155.1887401 | -155.1887401 | -155.1887401 | -155.1887401 | 0.0000000 | 0.0000000 | 0.0000000 |
| Precipitation Weather Adjustment (MWh)                | 0         | 0         | 0         | 216          | 241          | (60)         | 147          | 211          | 204          | 0         | 0         | 0         |
| CRMWA Weather Adjustment (6)                          | 0         | 0         | 0         | 216          | 241          | (44)         | 651          | 649          | (102)        | 0         | 0         | 0         |

**Southwestern Public Service Company  
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| <b>Texas Municipal and School Service</b>                                           |           |           |            |            |            |           |           |           |           |           |           |           |
|-------------------------------------------------------------------------------------|-----------|-----------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>Cooling Degree Days Weather Adjustment (10-yr Normal)</b>                        |           |           |            |            |            |           |           |           |           |           |           |           |
| Variance from Normal                                                                | Jan-20    | Feb-20    | Mar-20     | Apr-20     | May-20     | Jun-20    | Jul-20    | Aug-20    | Sep-20    | Oct-20    | Nov-20    | Dec-20    |
| Cooling Degree Days Weather Coefficients                                            | 0         | (1)       | (2)        | (12)       | 22         | 3         | 80        | 78        | (51)      | 25        | 6         | 0         |
| Municipal & School Customers                                                        | 0.0000000 | 0.0000000 | 0.0000000  | 0.0017161  | 0.0028399  | 0.0022550 | 0.0022107 | 0.0037106 | 0.0087476 | 0.0055490 | 0.0000000 | 0.0000000 |
| Cooling Degree Days Weather Adjustment (MWh)                                        | 4,473     | 4,476     | 4,471      | 4,472      | 4,469      | 4,464     | 4,468     | 4,469     | 4,465     | 4,464     | 4,468     | 4,468     |
|                                                                                     | 0         | 0         | 0          | (89)       | 284        | 31        | 793       | 1,290     | (2,005)   | 625       | 0         | 0         |
| <b>Precipitation Weather Adjustment (10-yr Normal)</b>                              |           |           |            |            |            |           |           |           |           |           |           |           |
| Variance from Normal                                                                | Jan-20    | Feb-20    | Mar-20     | Apr-20     | May-20     | Jun-20    | Jul-20    | Aug-20    | Sep-20    | Oct-20    | Nov-20    | Dec-20    |
| Precipitation Weather Coefficients                                                  | (0.39)    | (0.29)    | 1.28       | (1.39)     | (1.55)     | 0.38      | (0.95)    | (1.36)    | (1.32)    | (0.11)    | (0.44)    | (0.36)    |
| Small Secondary General Customers                                                   | 0.0000000 | 0.0000000 | -0.1444194 | -0.1848261 | -0.0451236 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Precipitation Weather Adjustment (MWh)                                              | 4,473     | 4,476     | 4,471      | 4,472      | 4,469      | 4,464     | 4,468     | 4,469     | 4,465     | 4,464     | 4,468     | 4,468     |
|                                                                                     | 0         | 0         | (827)      | 1,149      | 313        | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| <b>Weather Adjustment</b>                                                           | 0         | 0         | (827)      | 1,059      | 597        | 31        | 793       | 1,290     | (2,005)   | 625       | 0         | 0         |
| <b>Texas - Municipal and School Weather Impact Allocation (Billed Sales in MWh)</b> |           |           |            |            |            |           |           |           |           |           |           |           |
| SMSTX                                                                               | Jan-20    | Feb-20    | Mar-20     | Apr-20     | May-20     | Jun-20    | Jul-20    | Aug-20    | Sep-20    | Oct-20    | Nov-20    | Dec-20    |
| LMSTX                                                                               | 2,008     | 1,880     | 1,756      | 1,399      | 1,195      | 1,355     | 1,828     | 2,048     | 2,057     | 1,995     | 1,424     | 1,672     |
| LSSTX                                                                               | 14,419    | 13,871    | 13,876     | 14,037     | 13,761     | 16,134    | 20,213    | 20,205    | 18,793    | 17,656    | 14,246    | 14,787    |
| Total                                                                               | 13,297    | 9,351     | 16,055     | 9,116      | 5,845      | 9,877     | 11,999    | 13,745    | 12,563    | 16,375    | 12,569    | 11,997    |
|                                                                                     | 29,723    | 25,103    | 31,687     | 24,551     | 20,801     | 27,366    | 34,040    | 35,998    | 33,413    | 36,026    | 28,239    | 28,456    |
| SMSTX                                                                               | Jan-20    | Feb-20    | Mar-20     | Apr-20     | May-20     | Jun-20    | Jul-20    | Aug-20    | Sep-20    | Oct-20    | Nov-20    | Dec-20    |
| LMSTX                                                                               | 6.76%     | 7.49%     | 5.54%      | 5.70%      | 5.74%      | 4.95%     | 5.37%     | 5.69%     | 6.16%     | 5.54%     | 5.04%     | 5.88%     |
| LSSTX                                                                               | 48.51%    | 55.26%    | 43.79%     | 57.17%     | 66.16%     | 58.96%    | 59.38%    | 56.13%    | 56.24%    | 49.01%    | 50.45%    | 51.97%    |
| Total                                                                               | 44.73%    | 37.25%    | 50.67%     | 37.13%     | 28.10%     | 36.09%    | 35.25%    | 38.18%    | 37.60%    | 45.45%    | 44.51%    | 42.16%    |
|                                                                                     | 100.00%   | 100.00%   | 100.00%    | 100.00%    | 100.00%    | 100.00%   | 100.00%   | 100.00%   | 100.00%   | 100.00%   | 100.00%   | 100.00%   |
| <b>Municipal and School Allocation of Sales impacted by Weather</b>                 |           |           |            |            |            |           |           |           |           |           |           |           |
| SMSTX (7)                                                                           | Jan-20    | Feb-20    | Mar-20     | Apr-20     | May-20     | Jun-20    | Jul-20    | Aug-20    | Sep-20    | Oct-20    | Nov-20    | Dec-20    |
| LMSTX (8)                                                                           | 0         | 0         | (46)       | 60         | 34         | 2         | 43        | 73        | (123)     | 35        | 0         | 0         |
| LSSTX (9)                                                                           | 0         | 0         | (362)      | 606        | 395        | 18        | 471       | 724       | (1,128)   | 306       | 0         | 0         |
|                                                                                     | 0         | 0         | (419)      | 393        | 168        | 11        | 280       | 493       | (754)     | 284       | 0         | 0         |



**Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales**

**Texas Residential Service Coefficients (Modeled with MWh)**

| Year | Month | Date   | <u>Model Coefficients</u> |           |   | <u>Monthly Weights Model to Calendar</u> |            |            | <u>Calendar Month</u> |           |
|------|-------|--------|---------------------------|-----------|---|------------------------------------------|------------|------------|-----------------------|-----------|
|      |       |        | HDD                       | CDD       |   | Current                                  | 1st Future | 2nd Future | HDD                   | CDD       |
| 2020 | 1     | Jan-20 | 0.0005010                 | -         | - | 49.62%                                   | 49.46%     | 0.92%      | 0.0004422             | -         |
| 2020 | 2     | Feb-20 | 0.0003859                 | -         | - | 40.56%                                   | 59.44%     | 0.00%      | 0.0003352             | -         |
| 2020 | 3     | Mar-20 | 0.0003006                 | -         | - | 45.93%                                   | 54.07%     | 0.00%      | 0.0001380             | -         |
| 2020 | 4     | Apr-20 | -                         | -         | - | 46.67%                                   | 52.86%     | 0.48%      | -                     | 0.0000054 |
| 2020 | 5     | May-20 | -                         | -         | - | 39.63%                                   | 60.37%     | 0.00%      | -                     | 0.0006891 |
| 2020 | 6     | Jun-20 | -                         | 0.0011414 | - | 44.13%                                   | 55.87%     | 0.00%      | -                     | 0.0012502 |
| 2020 | 7     | Jul-20 | -                         | 0.0013361 | - | 49.31%                                   | 50.54%     | 0.15%      | -                     | 0.0013654 |
| 2020 | 8     | Aug-20 | -                         | 0.0013942 | - | 44.55%                                   | 55.30%     | 0.15%      | -                     | 0.0013288 |
| 2020 | 9     | Sep-20 | -                         | 0.0012771 | - | 44.44%                                   | 55.56%     | 0.00%      | -                     | 0.0010968 |
| 2020 | 10    | Oct-20 | -                         | 0.0009526 | - | 46.39%                                   | 52.23%     | 1.38%      | 0.0000049             | 0.0004419 |
| 2020 | 11    | Nov-20 | -                         | -         | - | 34.76%                                   | 65.08%     | 0.16%      | 0.0002311             | -         |
| 2020 | 12    | Dec-20 | 0.0003539                 | -         | - | 41.17%                                   | 58.37%     | 0.46%      | 0.0004399             | -         |
| 2021 | 1     | Jan-21 | 0.0005010                 | -         | - | 43.32%                                   | 54.84%     | 1.84%      | 0.0004342             | -         |
| 2021 | 2     | Feb-21 | 0.0003859                 | -         | - | 35.88%                                   | 64.12%     | 0.00%      | 0.0003312             | -         |
| 2021 | 3     | Mar-21 | 0.0003006                 | -         | - | 47.16%                                   | 52.84%     | 0.00%      | 0.0001417             | -         |
| 2021 | 4     | Apr-21 | -                         | -         | - | 47.94%                                   | 51.59%     | 0.48%      | -                     | 0.0000054 |
| 2021 | 5     | May-21 | -                         | -         | - | 40.40%                                   | 59.60%     | 0.00%      | -                     | -         |
| 2021 | 6     | Jun-21 | -                         | 0.0011414 | - | 45.40%                                   | 54.44%     | 0.16%      | -                     | -         |

**Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales**

**Texas Small General Service Coefficients (Modeled with MWh)**

| Year | Month | Model Coefficients |           |        | Monthly Weights Model to Calendar |            |            | Calendar Month |           |        |
|------|-------|--------------------|-----------|--------|-----------------------------------|------------|------------|----------------|-----------|--------|
|      |       | HDD                | CDD       | Precip | Current                           | 1st Future | 2nd Future | HDD            | CDD       | Precip |
| 2020 | 1     | 0.0002153          | -         | -      | 49.62%                            | 49.46%     | 0.92%      | 0.0001764      | -         | -      |
| 2020 | 2     | 0.0001381          | -         | -      | 40.56%                            | 59.44%     | 0.00%      | 0.0001364      | -         | -      |
| 2020 | 3     | 0.0001352          | -         | -      | 45.93%                            | 54.07%     | 0.00%      | 0.0000621      | -         | -      |
| 2020 | 4     | -                  | -         | -      | 46.67%                            | 52.86%     | 0.48%      | -              | 0.0000024 | -      |
| 2020 | 5     | -                  | -         | -      | 39.63%                            | 60.37%     | 0.00%      | -              | 0.0003064 | -      |
| 2020 | 6     | -                  | 0.0005075 | -      | 44.13%                            | 55.87%     | 0.00%      | -              | 0.0005941 | -      |
| 2020 | 7     | -                  | 0.0006625 | -      | 49.31%                            | 50.54%     | 0.15%      | -              | 0.0007232 | -      |
| 2020 | 8     | -                  | 0.0007822 | -      | 44.55%                            | 55.30%     | 0.15%      | -              | 0.0007961 | -      |
| 2020 | 9     | -                  | 0.0008080 | -      | 44.44%                            | 55.56%     | 0.00%      | -              | 0.0006904 | -      |
| 2020 | 10    | -                  | 0.0005964 | -      | 46.39%                            | 52.23%     | 1.38%      | 0.0000019      | 0.0002767 | -      |
| 2020 | 11    | -                  | -         | -      | 34.76%                            | 65.08%     | 0.16%      | 0.0000915      | -         | -      |
| 2020 | 12    | 0.0001400          | -         | -      | 41.17%                            | 58.37%     | 0.46%      | 0.0001839      | -         | -      |
| 2021 | 1     | 0.0002153          | -         | -      | 43.32%                            | 54.84%     | 1.84%      | 0.0001715      | -         | -      |
| 2021 | 2     | 0.0001381          | -         | -      | 35.88%                            | 64.12%     | 0.00%      | 0.0001362      | -         | -      |
| 2021 | 3     | 0.0001352          | -         | -      | 47.16%                            | 52.84%     | 0.00%      | 0.0000638      | -         | -      |
| 2021 | 4     | -                  | -         | -      | 47.94%                            | 51.59%     | 0.48%      | -              | 0.0000024 | -      |
| 2021 | 5     | -                  | -         | -      | 40.40%                            | 59.60%     | 0.00%      | -              | -         | -      |
| 2021 | 6     | -                  | 0.0005075 | -      | 45.40%                            | 54.44%     | 0.16%      | -              | -         | -      |

**Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales**

| <b>Texas Secondary General Service Coefficients (Modeled with MWh)</b> |       |                           |          |             |                                          |            |            |          |                       |             |  |  |
|------------------------------------------------------------------------|-------|---------------------------|----------|-------------|------------------------------------------|------------|------------|----------|-----------------------|-------------|--|--|
| Year                                                                   | Month | <u>Model Coefficients</u> |          |             | <u>Monthly Weights Model to Calendar</u> |            |            |          | <u>Calendar Month</u> |             |  |  |
|                                                                        |       | HDD                       | CDD      | Precip      | Current                                  | 1st Future | 2nd Future | HDD      | CDD                   | Precip      |  |  |
| 2020                                                                   | 1     | 23.13333                  | -        | -           | 49.62%                                   | 49.46%     | 0.92%      | 11.47783 | -                     | (64.14593)  |  |  |
| 2020                                                                   | 2     | -                         | -        | -           | 40.56%                                   | 59.44%     | 0.00%      | -        | -                     | (4,137.044) |  |  |
| 2020                                                                   | 3     | -                         | -        | (6,959.833) | 45.93%                                   | 54.07%     | 0.00%      | -        | -                     | (7,463.350) |  |  |
| 2020                                                                   | 4     | -                         | -        | (7,891.054) | 46.67%                                   | 52.86%     | 0.48%      | -        | 0.5455489             | (4,443.321) |  |  |
| 2020                                                                   | 5     | -                         | -        | (1,426.554) | 39.63%                                   | 60.37%     | 0.00%      | -        | 69.16152              | (1,426.554) |  |  |
| 2020                                                                   | 6     | -                         | 114.5653 | (1,426.554) | 44.13%                                   | 55.87%     | 0.00%      | -        | 121.4940              | (1,426.554) |  |  |
| 2020                                                                   | 7     | -                         | 126.9662 | (1,426.554) | 49.31%                                   | 50.54%     | 0.15%      | -        | 141.6533              | (1,426.554) |  |  |
| 2020                                                                   | 8     | -                         | 155.9757 | (1,426.554) | 44.55%                                   | 55.30%     | 0.15%      | -        | 149.3273              | (1,424.363) |  |  |
| 2020                                                                   | 9     | -                         | 144.1446 | (1,426.554) | 44.44%                                   | 55.56%     | 0.00%      | -        | 112.4239              | (634.0241)  |  |  |
| 2020                                                                   | 10    | -                         | 87.04737 | -           | 46.39%                                   | 52.23%     | 1.38%      | 0.44191  | 40.38142              | -           |  |  |
| 2020                                                                   | 11    | -                         | -        | -           | 34.76%                                   | 65.08%     | 0.16%      | 20.83941 | -                     | -           |  |  |
| 2020                                                                   | 12    | 31.96511                  | -        | -           | 41.17%                                   | 58.37%     | 0.46%      | 26.66254 | -                     | -           |  |  |
| 2021                                                                   | 1     | 23.13333                  | -        | -           | 43.32%                                   | 54.84%     | 1.84%      | 10.02089 | -                     | (128.2919)  |  |  |
| 2021                                                                   | 2     | -                         | -        | -           | 35.88%                                   | 64.12%     | 0.00%      | -        | -                     | (4,462.342) |  |  |
| 2021                                                                   | 3     | -                         | -        | (6,959.833) | 47.16%                                   | 52.84%     | 0.00%      | -        | -                     | (7,451.907) |  |  |
| 2021                                                                   | 4     | -                         | -        | (7,891.054) | 47.94%                                   | 51.59%     | 0.48%      | -        | 0.5455489             | (4,525.410) |  |  |
| 2021                                                                   | 5     | -                         | -        | (1,426.554) | 40.40%                                   | 59.60%     | 0.00%      | -        | -                     | -           |  |  |
| 2021                                                                   | 6     | -                         | 114.5653 | (1,426.554) | 45.40%                                   | 54.44%     | 0.16%      | -        | -                     | -           |  |  |

**Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales**

**Texas Secondary General Service (continued)**

| Year | Month | Actual Cust | HDD       | CDD       | Precip     |
|------|-------|-------------|-----------|-----------|------------|
| 2020 | 1     | 11,901      | 0.0009644 | 0.0000000 | -0.0053900 |
| 2020 | 2     | 11,947      | 0.0000000 | 0.0000000 | -0.3462831 |
| 2020 | 3     | 11,964      | 0.0000000 | 0.0000000 | -0.6238173 |
| 2020 | 4     | 11,968      | 0.0000000 | 0.0000456 | -0.3712668 |
| 2020 | 5     | 11,978      | 0.0000000 | 0.0057740 | -0.1190979 |
| 2020 | 6     | 11,980      | 0.0000000 | 0.0101414 | -0.1190780 |
| 2020 | 7     | 11,989      | 0.0000000 | 0.0118153 | -0.1189886 |
| 2020 | 8     | 11,996      | 0.0000000 | 0.0124481 | -0.1187365 |
| 2020 | 9     | 11,989      | 0.0000000 | 0.0093773 | -0.0528838 |
| 2020 | 10    | 11,987      | 0.0000369 | 0.0033688 | 0.0000000  |
| 2020 | 11    | 11,999      | 0.0017368 | 0.0000000 | 0.0000000  |
| 2020 | 12    | 12,017      | 0.0022187 | 0.0000000 | 0.0000000  |
| 2021 | 1     |             |           |           |            |
| 2021 | 2     |             |           |           |            |
| 2021 | 3     |             |           |           |            |
| 2021 | 4     |             |           |           |            |
| 2021 | 5     |             |           |           |            |
| 2021 | 6     |             |           |           |            |

**Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales**

| <b>Texas CRMWA Coefficients (Modeled with MWh)</b> |       |                               |          |            |                                   |            |            |               |          |        |           |
|----------------------------------------------------|-------|-------------------------------|----------|------------|-----------------------------------|------------|------------|---------------|----------|--------|-----------|
| Year                                               | Month | Model Coefficients (Calendar) |          |            | Monthly Weights Model to Calendar |            |            | Revenue Month |          |        |           |
|                                                    |       | HDD                           | CDD      | Precip     | Current                           | 1st Future | 2nd Future | HDD           | CDD      | Precip |           |
| 2020                                               | 1     | -                             | -        | -          | 49.62%                            | 49.46%     | 0.92%      | -             | -        | -      | -         |
| 2020                                               | 2     | -                             | -        | -          | 40.56%                            | 59.44%     | 0.00%      | -             | -        | -      | -         |
| 2020                                               | 3     | -                             | -        | -          | 45.93%                            | 54.07%     | 0.00%      | -             | -        | -      | (155.189) |
| 2020                                               | 4     | -                             | -        | (155.1887) | 46.67%                            | 52.86%     | 0.48%      | -             | -        | -      | (155.189) |
| 2020                                               | 5     | -                             | -        | (155.1887) | 39.63%                            | 60.37%     | 0.00%      | -             | 5.102841 | -      | (155.189) |
| 2020                                               | 6     | -                             | 5.102841 | (155.1887) | 44.13%                            | 55.87%     | 0.00%      | -             | 6.281839 | -      | (155.189) |
| 2020                                               | 7     | -                             | 6.281839 | (155.1887) | 49.31%                            | 50.54%     | 0.15%      | -             | 5.635265 | -      | (155.189) |
| 2020                                               | 8     | -                             | 5.635265 | (155.1887) | 44.55%                            | 55.30%     | 0.15%      | -             | 5.961281 | -      | (155.189) |
| 2020                                               | 9     | -                             | 5.961281 | (155.1887) | 44.44%                            | 55.56%     | 0.00%      | -             | -        | -      | -         |
| 2020                                               | 10    | -                             | -        | -          | 46.39%                            | 52.23%     | 1.38%      | -             | -        | -      | -         |
| 2020                                               | 11    | -                             | -        | -          | 34.76%                            | 65.08%     | 0.16%      | -             | -        | -      | -         |
| 2020                                               | 12    | -                             | -        | -          | 41.17%                            | 58.37%     | 0.46%      | -             | -        | -      | -         |
| 2021                                               | 1     | -                             | -        | -          | 43.32%                            | 54.84%     | 1.84%      | -             | -        | -      | -         |
| 2021                                               | 2     | -                             | -        | -          | 35.88%                            | 64.12%     | 0.00%      | -             | -        | -      | -         |
| 2021                                               | 3     | -                             | -        | -          | 47.16%                            | 52.84%     | 0.00%      | -             | -        | -      | (155.189) |
| 2021                                               | 4     | -                             | -        | (155.1887) | 47.94%                            | 51.59%     | 0.48%      | -             | -        | -      | (155.189) |
| 2021                                               | 5     | -                             | -        | (155.1887) | 40.40%                            | 59.60%     | 0.00%      | -             | -        | -      | -         |
| 2021                                               | 6     | -                             | 5.102841 | (155.1887) | 45.40%                            | 54.44%     | 0.16%      | -             | -        | -      | -         |

**Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales**

| <b>Texas Municipals and Schools Coefficients (Modeled with MWb)</b> |       |                           |           |             |                                          |            |            |     |                       |        |             |
|---------------------------------------------------------------------|-------|---------------------------|-----------|-------------|------------------------------------------|------------|------------|-----|-----------------------|--------|-------------|
| Year                                                                | Month | <u>Model Coefficients</u> |           |             | <u>Monthly Weights Model to Calendar</u> |            |            |     | <u>Calendar Month</u> |        |             |
|                                                                     |       | HDD                       | CDD       | Precip      | Current                                  | 1st Future | 2nd Future | HDD | CDD                   | Precip |             |
| 2020                                                                | 1     | -                         | -         | -           | 49.62%                                   | 49.46%     | 0.92%      | -   | -                     | -      | -           |
| 2020                                                                | 2     | -                         | -         | -           | 40.56%                                   | 59.44%     | 0.00%      | -   | -                     | -      | -           |
| 2020                                                                | 3     | -                         | -         | -           | 45.93%                                   | 54.07%     | 0.00%      | -   | -                     | -      | (0.1444194) |
| 2020                                                                | 4     | -                         | -         | (0.2670939) | 46.67%                                   | 52.86%     | 0.48%      | -   | 0.0017161             | -      | (0.1848261) |
| 2020                                                                | 5     | -                         | 0.0032234 | (0.1138584) | 39.63%                                   | 60.37%     | 0.00%      | -   | 0.0028399             | -      | (0.0451236) |
| 2020                                                                | 6     | -                         | 0.0025882 | -           | 44.13%                                   | 55.87%     | 0.00%      | -   | 0.0022550             | -      | -           |
| 2020                                                                | 7     | -                         | 0.0019919 | -           | 49.31%                                   | 50.54%     | 0.15%      | -   | 0.0022107             | -      | -           |
| 2020                                                                | 8     | -                         | 0.0024166 | -           | 44.55%                                   | 55.30%     | 0.15%      | -   | 0.0037106             | -      | -           |
| 2020                                                                | 9     | -                         | 0.0047300 | -           | 44.44%                                   | 55.56%     | 0.00%      | -   | 0.0087476             | -      | -           |
| 2020                                                                | 10    | -                         | 0.0119616 | -           | 46.39%                                   | 52.23%     | 1.38%      | -   | 0.0055490             | -      | -           |
| 2020                                                                | 11    | -                         | -         | -           | 34.76%                                   | 65.08%     | 0.16%      | -   | -                     | -      | -           |
| 2020                                                                | 12    | -                         | -         | -           | 41.17%                                   | 58.37%     | 0.46%      | -   | -                     | -      | -           |
| 2021                                                                | 1     | -                         | -         | -           | 43.32%                                   | 54.84%     | 1.84%      | -   | -                     | -      | -           |
| 2021                                                                | 2     | -                         | -         | -           | 35.88%                                   | 64.12%     | 0.00%      | -   | -                     | -      | -           |
| 2021                                                                | 3     | -                         | -         | -           | 47.16%                                   | 52.84%     | 0.00%      | -   | -                     | -      | (0.1411372) |
| 2021                                                                | 4     | -                         | -         | (0.2670939) | 47.94%                                   | 51.59%     | 0.48%      | -   | 0.0016752             | -      | (0.1867720) |
| 2021                                                                | 5     | -                         | 0.0032234 | (0.1138584) | 40.40%                                   | 59.60%     | 0.00%      | -   | -                     | -      | -           |
| 2021                                                                | 6     | -                         | 0.0025882 | -           | 45.40%                                   | 54.44%     | 0.16%      | -   | -                     | -      | -           |

**Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales  
Wholesale and New Mexico**

| <b>Roswell Weather Data</b>                                 |      |        |        |                             |                             |                              |                              |                              |                               |               |                        |
|-------------------------------------------------------------|------|--------|--------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|---------------|------------------------|
| <b>Normal Weather Based on a 10-year Historical Average</b> |      |        |        |                             |                             |                              |                              |                              |                               |               |                        |
| Month                                                       | Year |        |        | Weather<br>Act Cal<br>HDD65 | Weather<br>Act Cal<br>CDD65 | Weather<br>Act Cal<br>Precip | Weather<br>Norm Cal<br>HDD65 | Weather<br>Norm Cal<br>CDD65 | Weather<br>Norm Cal<br>Precip | Dev<br>HDD65  | Dev<br>CDD65<br>Precip |
| Jan                                                         | 2020 | Actual | Jan-20 | 604                         | 0                           | 0.44                         | 744                          | 0                            | 0.32                          | -140          | 0                      |
| Feb                                                         | 2020 | Actual | Feb-20 | 559                         | 0                           | 0.57                         | 533                          | 0                            | 0.38                          | 26            | 0                      |
| Mar                                                         | 2020 | Actual | Mar-20 | 240                         | 9                           | 2.07                         | 299                          | 9                            | 0.20                          | -59           | 0                      |
| Apr                                                         | 2020 | Actual | Apr-20 | 111                         | 76                          | 0.23                         | 120                          | 57                           | 0.46                          | -9            | 19                     |
| May                                                         | 2020 | Actual | May-20 | 2                           | 328                         | 0.20                         | 30                           | 209                          | 1.22                          | -28           | 120                    |
| Jun                                                         | 2020 | Actual | Jun-20 | 0                           | 530                         | 0.39                         | 0                            | 500                          | 1.29                          | 0             | 30                     |
| Jul                                                         | 2020 | Actual | Jul-20 | 0                           | 707                         | 0.81                         | 0                            | 545                          | 1.71                          | 0             | 162                    |
| Aug                                                         | 2020 | Actual | Aug-20 | 0                           | 624                         | 0.57                         | 0                            | 509                          | 1.60                          | 0             | 115                    |
| Sep                                                         | 2020 | Actual | Sep-20 | 41                          | 268                         | 0.09                         | 6                            | 269                          | 1.84                          | 35            | 0                      |
| Oct                                                         | 2020 | Actual | Oct-20 | 169                         | 111                         | 0.69                         | 121                          | 59                           | 1.39                          | 48            | 52                     |
| Nov                                                         | 2020 | Actual | Nov-20 | 303                         | 9                           | 0.12                         | 435                          | 1                            | 0.23                          | -132          | 8                      |
| Dec                                                         | 2020 | Actual | Dec-20 | 677                         | 0                           | 0.00                         | 748                          | 0                            | 0.56                          | -71           | 0                      |
| <b>Annual (Jan20 - Dec20)</b>                               |      |        |        | <b>2,706</b>                | <b>2,662</b>                | <b>6.18</b>                  | <b>3,035</b>                 | <b>2,156</b>                 | <b>11.20</b>                  | <b>-329</b>   | <b>507</b>             |
| <b>Annual Dev %</b>                                         |      |        |        |                             |                             |                              |                              |                              |                               | <b>-10.9%</b> | <b>23.5%</b>           |
|                                                             |      |        |        |                             |                             |                              |                              |                              |                               |               | <b>-44.8%</b>          |

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Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales  
Wholesale and New Mexico

| Southwestern Public Service Company Electric Sales - New Mexico<br>Calendar Month - MONTHLY MWH |                  |                      |                      |                  |                   |                            |                  |                   |              |                    |                    |                 |                          |                 |
|-------------------------------------------------------------------------------------------------|------------------|----------------------|----------------------|------------------|-------------------|----------------------------|------------------|-------------------|--------------|--------------------|--------------------|-----------------|--------------------------|-----------------|
|                                                                                                 | Act var<br>fr WN | Act var<br>Small C&I | Act var<br>Large C&I | Act var<br>fr WN | Act var<br>Street | Act var<br>Other Sale Auth | Act var<br>fr WN | Act var<br>Retail | % var<br>Res | % var<br>Small C&I | % var<br>Large C&I | % var<br>Street | % var<br>Other Sale Auth | % var<br>Retail |
| Jan-20                                                                                          | Actual           | (9,210)              | (450)                | 0                | 0                 | (1)                        | (9,661)          |                   | -7.2%        | -0.3%              | 0.0%               | 0.0%            | 0.0%                     | -1.5%           |
| Feb-20                                                                                          | Actual           | 1,432                | (174)                | 0                | 0                 | (82)                       | 1,176            |                   | 1.5%         | -0.1%              | 0.0%               | 0.0%            | -0.9%                    | 0.2%            |
| Mar-20                                                                                          | Actual           | (1,849)              | (3,276)              | 0                | 0                 | (1,380)                    | (6,505)          |                   | -2.2%        | -1.8%              | 0.0%               | 0.0%            | -12.3%                   | -1.0%           |
| Apr-20                                                                                          | Actual           | (59)                 | 204                  | 0                | 0                 | 126                        | 271              |                   | -0.1%        | 0.1%               | 0.0%               | 0.0%            | 1.3%                     | 0.1%            |
| May-20                                                                                          | Actual           | 5,422                | 2,891                | 1                | 0                 | 784                        | 9,098            |                   | 6.5%         | 1.9%               | 0.0%               | 0.0%            | 8.6%                     | 1.6%            |
| Jun-20                                                                                          | Actual           | 2,543                | 1,582                | 1                | 0                 | 291                        | 4,416            |                   | 2.2%         | 1.0%               | 0.0%               | 0.0%            | 3.0%                     | 0.8%            |
| Jul-20                                                                                          | Actual           | 15,311               | 6,663                | 4                | 0                 | 800                        | 22,777           |                   | 12.3%        | 4.1%               | 0.0%               | 0.0%            | 6.4%                     | 3.5%            |
| Aug-20                                                                                          | Actual           | 10,487               | 5,164                | 3                | 0                 | 776                        | 16,430           |                   | 8.6%         | 3.1%               | 0.0%               | 0.0%            | 5.4%                     | 2.5%            |
| Sep-20                                                                                          | Actual           | (36)                 | 801                  | (0)              | 0                 | (8)                        | 757              |                   | 0.0%         | 0.5%               | 0.0%               | 0.0%            | -0.1%                    | 0.1%            |
| Oct-20                                                                                          | Actual           | 1,846                | 554                  | 0                | 0                 | 558                        | 2,959            |                   | 2.2%         | 0.4%               | 0.0%               | 0.0%            | 5.5%                     | 0.5%            |
| Nov-20                                                                                          | Actual           | (4,886)              | (158)                | 0                | 0                 | 0                          | (5,043)          |                   | -5.6%        | -0.1%              | 0.0%               | 0.0%            | 0.0%                     | -0.9%           |
| Dec-20                                                                                          | Actual           | (4,371)              | (193)                | 0                | 0                 | 0                          | (4,565)          |                   | -3.6%        | -0.1%              | 0.0%               | 0.0%            | 0.0%                     | -0.7%           |
| Updated Test Year Total                                                                         | Actual           | 16,629               | 13,608               | 8                | 0                 | 1,864                      | 32,110           |                   | 1.4%         | 0.7%               | 0.0%               | 0.0%            | 1.5%                     | 0.4%            |

Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales  
Wholesale and New Mexico

New Mexico Weather Impacted Sales Calculation

| New Mexico Retail Weather Adjustment Summary   |                   |                |                 |                |                 |                 |                 |                 |                |                |                   |                   |        | Updated<br>Test Year<br>Total |
|------------------------------------------------|-------------------|----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|-------------------|-------------------|--------|-------------------------------|
|                                                | Actual            | Actual         | Actual          | Actual         | Actual          | Actual          | Actual          | Actual          | Actual         | Actual         | Actual            | Actual            | Actual |                               |
| Heating Degree Days 10-yr Normal               | Jan-20<br>744     | Feb-20<br>533  | Mar-20<br>299   | Apr-20<br>120  | May-20<br>30    | Jun-20<br>0     | Jul-20<br>0     | Aug-20<br>0     | Sep-20<br>6    | Oct-20<br>121  | Nov-20<br>435     | Dec-20<br>748     | 3,035  | 2,706<br>(329)                |
| Heating Degree Days Actual                     | 604               | 559            | 240             | 111            | 2               | 0               | 0               | 0               | 41             | 169            | 303               | 677               | 2,706  |                               |
| Variance from Normal                           | (140)             | 26             | (59)            | (9)            | (28)            | 0               | 0               | 0               | 35             | 48             | (132)             | (71)              | (329)  |                               |
| Cooling Degree Days 10-yr Normal               | Jan-20<br>0       | Feb-20<br>0    | Mar-20<br>9     | Apr-20<br>57   | May-20<br>209   | Jun-20<br>500   | Jul-20<br>545   | Aug-20<br>509   | Sep-20<br>269  | Oct-20<br>111  | Nov-20<br>9       | Dec-20<br>0       | 2,156  | 2,662                         |
| Cooling Degree Days Actual                     | 0                 | 0              | 9               | 76             | 328             | 530             | 707             | 624             | 268            | 111            | 9                 | 0                 | 2,662  |                               |
| Variance from Normal                           | 0                 | (0)            | 0               | 19             | 120             | 30              | 162             | 115             | (0)            | 52             | 8                 | 0                 | 507    |                               |
| Precipitation 10-yr Normal                     | Jan-20<br>0.32    | Feb-20<br>0.38 | Mar-20<br>0.20  | Apr-20<br>0.46 | May-20<br>1.22  | Jun-20<br>1.29  | Jul-20<br>1.71  | Aug-20<br>1.60  | Sep-20<br>1.84 | Oct-20<br>1.39 | Nov-20<br>0.23    | Dec-20<br>0.56    | 527980 | 11,20                         |
| Precipitation Actual                           | 0.44              | 0.57           | 2.07            | 0.23           | 0.20            | 0.39            | 0.81            | 0.57            | 0.09           | 0.69           | 0.12              | 0.00              | 6.18   |                               |
| Variance from Normal                           | 0.12              | 0.19           | 1.88            | (0.23)         | (1.02)          | (0.90)          | (0.90)          | (1.03)          | (1.75)         | (0.70)         | (0.11)            | (0.56)            | (5.02) |                               |
| New Mexico Residential Service (1)             | Jan-20<br>(3,383) | Feb-20<br>467  | Mar-20<br>(427) | Apr-20<br>4    | May-20<br>3,460 | Jun-20<br>1,604 | Jul-20<br>9,470 | Aug-20<br>6,514 | Sep-20<br>(23) | Oct-20<br>982  | Nov-20<br>(1,782) | Dec-20<br>(1,761) | 15,126 | 1,503                         |
| New Mexico Residential Space Heat (2)          | (5,828)           | 964            | (1,422)         | (64)           | 1,962           | 939             | 5,840           | 3,973           | (13)           | 865            | (3,103)           | (2,610)           | 2,445  |                               |
| New Mexico Small General Service (3)           | (448)             | 80             | (83)            | 1              | 514             | 241             | 1,395           | 961             | (3)            | 138            | (158)             | (193)             | 2,445  |                               |
| New Mexico Secondary General Service (4) & (5) | 0                 | 0              | 0               | 2              | 1,817           | 849             | 4,846           | 3,427           | (11)           | 417            | 0                 | 0                 | 11,347 |                               |
| New Mexico Irrigation Service (6)              | (2)               | (234)          | (3,193)         | 201            | 561             | 492             | 425             | 779             | 816            | 0              | 0                 | 0                 | (176)  |                               |
| Large Municipal and School Service (7)         | (1)               | (75)           | (1,249)         | 115            | 708             | 265             | 731             | 713             | (7)            | 516            | 0                 | 0                 | 1,717  |                               |
| Small Municipal and School Service (8)         | (0)               | (8)            | (132)           | 11             | 76              | 26              | 69              | 63              | (1)            | 43             | 0                 | 0                 | 148    |                               |
| New Mexico Retail Weather Adjustment Total     | (9,661)           | 1,176          | (6,505)         | 271            | 9,098           | 4,416           | 22,777          | 16,430          | 757            | 2,959          | (5,043)           | (4,565)           | 32,110 |                               |

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| New Mexico Residential Service                        |                 |               |                |               |                |              |               |               |               |              |                 |                |
|-------------------------------------------------------|-----------------|---------------|----------------|---------------|----------------|--------------|---------------|---------------|---------------|--------------|-----------------|----------------|
| Heating Degree Days Weather Adjustment (10-yr Normal) |                 |               |                |               |                |              |               |               |               |              |                 |                |
| Variance from Normal                                  | Jan-20<br>(140) | Feb-20<br>26  | Mar-20<br>(59) | Apr-20<br>(9) | May-20<br>(28) | Jun-20<br>0  | Jul-20<br>0   | Aug-20<br>0   | Sep-20<br>35  | Oct-20<br>48 | Nov-20<br>(132) | Dec-20<br>(71) |
| Heating Degree Days Weather Coefficients              | 0.0003929       | 0.0002923     | 0.0001182      | 0.0000000     | 0.0000000      | 0.0000000    | 0.0000000     | 0.0000000     | 0.0000000     | 0.0000046    | 0.0002182       | 0.0003987      |
| Res Service Customers                                 | 61,453          | 61,505        | 61,590         | 61,602        | 61,668         | 61,741       | 61,817        | 61,875        | 61,829        | 61,874       | 61,940          | 61,970         |
| Heating Degree Days Weather Adjustment (MWh)          | -3,383          | 467           | -427           | 0             | 0              | 0            | 0             | 0             | 0             | 14           | -1,782          | -1,761         |
| Cooling Degree Days Weather Adjustment (10-yr Normal) |                 |               |                |               |                |              |               |               |               |              |                 |                |
| Variance from Normal                                  | Jan-20<br>0     | Feb-20<br>(0) | Mar-20<br>0    | Apr-20<br>19  | May-20<br>120  | Jun-20<br>30 | Jul-20<br>162 | Aug-20<br>115 | Sep-20<br>(0) | Oct-20<br>52 | Nov-20<br>8     | Dec-20<br>0    |
| Cooling Degree Days Weather Coefficients              | 0.0000000       | 0.0000000     | 0.0000000      | 0.0000037     | 0.0004696      | 0.0008575    | 0.0009445     | 0.0009155     | 0.0007458     | 0.0002985    | 0.0000000       | 0.0000000      |
| Res Service Customers                                 | 61,453          | 61,505        | 61,590         | 61,602        | 61,668         | 61,741       | 61,817        | 61,875        | 61,829        | 61,874       | 61,940          | 61,970         |
| Cooling Degree Days Weather Adjustment (MWh)          | 0               | 0             | 0              | 4             | 3,460          | 1,604        | 9,470         | 6,514         | (23)          | 968          | 0               | 0              |
| NM Residential Service Weather Adjustment (1)         | (3,383)         | 467           | (427)          | 4             | 3,460          | 1,604        | 9,470         | 6,514         | (23)          | 982          | (1,782)         | (1,761)        |

| New Mexico Residential Space Heat                     |                 |               |                |               |                |              |               |               |               |              |                 |                |
|-------------------------------------------------------|-----------------|---------------|----------------|---------------|----------------|--------------|---------------|---------------|---------------|--------------|-----------------|----------------|
| Heating Degree Days Weather Adjustment (10-yr Normal) |                 |               |                |               |                |              |               |               |               |              |                 |                |
| Variance from Normal                                  | Jan-20<br>(140) | Feb-20<br>26  | Mar-20<br>(59) | Apr-20<br>(9) | May-20<br>(28) | Jun-20<br>0  | Jul-20<br>0   | Aug-20<br>0   | Sep-20<br>35  | Oct-20<br>48 | Nov-20<br>(132) | Dec-20<br>(71) |
| Heating Degree Days Weather Coefficients              | 0.0013970       | 0.0012457     | 0.0008153      | 0.0002481     | 0.0000000      | 0.0000000    | 0.0000000     | 0.0000000     | 0.0000000     | 0.0002440    | 0.0007923       | 0.0012331      |
| Res Space Heat Customers                              | 29,776          | 29,772        | 29,764         | 29,751        | 29,746         | 29,740       | 29,752        | 29,742        | 29,711        | 29,704       | 29,698          | 29,684         |
| Heating Degree Days Weather Adjustment (MWh)          | (5,828)         | 964           | (1,422)        | (66)          | 0              | 0            | 0             | 0             | 0             | 346          | (3,103)         | (2,610)        |
| Cooling Degree Days Weather Adjustment (10-yr Normal) |                 |               |                |               |                |              |               |               |               |              |                 |                |
| Variance from Normal                                  | Jan-20<br>0     | Feb-20<br>(0) | Mar-20<br>0    | Apr-20<br>19  | May-20<br>120  | Jun-20<br>30 | Jul-20<br>162 | Aug-20<br>115 | Sep-20<br>(0) | Oct-20<br>52 | Nov-20<br>8     | Dec-20<br>0    |
| Cooling Degree Days Weather Coefficients              | 0.0000000       | 0.0000000     | 0.0000000      | 0.0000044     | 0.000519       | 0.0010420    | 0.0012103     | 0.0011615     | 0.0008743     | 0.0003329    | 0.0000000       | 0.0000000      |
| Res Space Heat Customers                              | 29,776          | 29,772        | 29,764         | 29,751        | 29,746         | 29,740       | 29,752        | 29,742        | 29,711        | 29,704       | 29,698          | 29,684         |
| Cooling Degree Days Weather Adjustment (MWh)          | 0               | 0             | 0              | 3             | 1,962          | 939          | 5,840         | 3,973         | (13)          | 518          | 0               | 0              |
| NM Residential Space Heat Weather Adjustment (2)      | (5,828)         | 964           | (1,422)        | (64)          | 1,962          | 939          | 5,840         | 3,973         | (13)          | 865          | (3,103)         | (2,610)        |

| New Mexico Small General Service                      |                 |               |                |               |                |              |               |               |               |              |                 |                |
|-------------------------------------------------------|-----------------|---------------|----------------|---------------|----------------|--------------|---------------|---------------|---------------|--------------|-----------------|----------------|
| Heating Degree Days Weather Adjustment (10-yr Normal) |                 |               |                |               |                |              |               |               |               |              |                 |                |
| Variance from Normal                                  | Jan-20<br>(140) | Feb-20<br>26  | Mar-20<br>(59) | Apr-20<br>(9) | May-20<br>(28) | Jun-20<br>0  | Jul-20<br>0   | Aug-20<br>0   | Sep-20<br>35  | Oct-20<br>48 | Nov-20<br>(132) | Dec-20<br>(71) |
| Heating Degree Days Weather Coefficients              | 0.0002689       | 0.0002591     | 0.0001193      | 0.0000000     | 0.0000000      | 0.0000000    | 0.0000000     | 0.0000000     | 0.0000000     | 0.0000021    | 0.0001005       | 0.0002777      |
| Small General Service Customers                       | 11,889          | 11,880        | 11,889         | 11,891        | 11,864         | 11,868       | 11,889        | 11,869        | 11,888        | 11,887       | 11,883          | 11,902         |
| Heating Degree Days Weather Adjustment (MWh)          | -448            | 80            | -83            | 0             | 0              | 0            | 0             | 0             | 0             | 1            | -158            | -193           |
| Cooling Degree Days Weather Adjustment (10-yr Normal) |                 |               |                |               |                |              |               |               |               |              |                 |                |
| Variance from Normal                                  | Jan-20<br>0     | Feb-20<br>(0) | Mar-20<br>0    | Apr-20<br>19  | May-20<br>120  | Jun-20<br>30 | Jul-20<br>162 | Aug-20<br>115 | Sep-20<br>(0) | Oct-20<br>52 | Nov-20<br>8     | Dec-20<br>0    |
| Cooling Degree Days Weather Coefficients              | 0.0000000       | 0.0000000     | 0.0000000      | 0.0000029     | 0.0003627      | 0.0006711    | 0.0007235     | 0.0007038     | 0.0005696     | 0.0002192    | 0.0000000       | 0.0000000      |
| Small General Service Customers                       | 11,889          | 11,880        | 11,889         | 11,891        | 11,864         | 11,868       | 11,889        | 11,869        | 11,888        | 11,887       | 11,883          | 11,902         |
| Cooling Degree Days Weather Adjustment (MWh)          | 0               | 0             | 0              | 1             | 514            | 241          | 1,395         | 961           | (3)           | 137          | 0               | 0              |
| NM Small General Service Weather Adjustment (3)       | (448)           | 80            | (83)           | 1             | 514            | 241          | 1,395         | 961           | (3)           | 138          | (158)           | (193)          |



## Wholesale and New Mexico

|                                         | Actual            | Actual          | Actual            | Actual         | Actual          | Actual          | Actual           | Actual           | Actual         | Actual          | Actual            | Actual          | Test Year Total | Updated Test Year Total |
|-----------------------------------------|-------------------|-----------------|-------------------|----------------|-----------------|-----------------|------------------|------------------|----------------|-----------------|-------------------|-----------------|-----------------|-------------------------|
| Res                                     | Jan-20<br>(9,210) | Feb-20<br>1,432 | Mar-20<br>(1,849) | Apr-20<br>(59) | May-20<br>5,422 | Jun-20<br>2,543 | Jul-20<br>15,311 | Aug-20<br>10,487 | Sep-20<br>(36) | Oct-20<br>1,846 | Nov-20<br>(4,886) | Dec-20<br>(193) | 16,629          |                         |
| Sm C&I                                  | (450)             | (174)           | (3,276)           | 204            | 2,891           | 1,582           | 6,663            | 5,164            | 801            | 554             | (158)             | 13,608          | 13,608          |                         |
| Lg C&I                                  | 0                 | 0               | 0                 | 0              | 1               | 0               | 4                | 3                | (0)            | 0               | 0                 | 8               | 8               |                         |
| Street Light                            | 0                 | 0               | 0                 | 0              | 0               | 0               | 0                | 0                | 0              | 0               | 0                 | 0               | 0               |                         |
| Other Sales to Public Authority (OSPFA) | (1,661)           | (82)            | (1,380)           | 126            | 784             | 291             | 2,777            | 776              | (7)            | 558             | 0                 | 0               | 1,864           |                         |
| Retail                                  | 1,176             | 1,176           | (6,505)           | 271            | 9,098           | 4,416           | 22,770           | 16,430           | 859            | 959             | (5,043)           | (4,565)         | 32,110          |                         |

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| <b>New Mexico Residential Service Coefficients (Modeled with MWH)</b> |       |        |                           |           |  |                                          |            |            |  |                       |           |  |
|-----------------------------------------------------------------------|-------|--------|---------------------------|-----------|--|------------------------------------------|------------|------------|--|-----------------------|-----------|--|
| Year                                                                  | Month | Date   | <u>Model Coefficients</u> |           |  | <u>Monthly Weights Model to Calendar</u> |            |            |  | <u>Calendar Month</u> |           |  |
|                                                                       |       |        | HDD                       | CDD       |  | Current                                  | 1st Future | 2nd Future |  | HDD                   | CDD       |  |
| 2020                                                                  | 1     | Jan-20 | 0.0004446                 | -         |  | 49.62%                                   | 49.46%     | 0.92%      |  | 0.0003929             | -         |  |
| 2020                                                                  | 2     | Feb-20 | 0.0003435                 | -         |  | 40.56%                                   | 59.44%     | 0.00%      |  | 0.0002923             | -         |  |
| 2020                                                                  | 3     | Mar-20 | 0.0002574                 | -         |  | 45.93%                                   | 54.07%     | 0.00%      |  | 0.0001182             | -         |  |
| 2020                                                                  | 4     | Apr-20 | -                         | -         |  | 46.67%                                   | 52.86%     | 0.48%      |  | -                     | 0.0000037 |  |
| 2020                                                                  | 5     | May-20 | -                         | -         |  | 39.63%                                   | 60.37%     | 0.00%      |  | -                     | 0.0004696 |  |
| 2020                                                                  | 6     | Jun-20 | -                         | 0.0007778 |  | 44.13%                                   | 55.87%     | 0.00%      |  | -                     | 0.0008575 |  |
| 2020                                                                  | 7     | Jul-20 | -                         | 0.0009203 |  | 49.31%                                   | 50.54%     | 0.15%      |  | -                     | 0.0009445 |  |
| 2020                                                                  | 8     | Aug-20 | -                         | 0.0009683 |  | 44.55%                                   | 55.30%     | 0.15%      |  | -                     | 0.0009155 |  |
| 2020                                                                  | 9     | Sep-20 | -                         | 0.0008738 |  | 44.44%                                   | 55.56%     | 0.00%      |  | -                     | 0.0007458 |  |
| 2020                                                                  | 10    | Oct-20 | -                         | 0.0006435 |  | 46.39%                                   | 52.23%     | 1.38%      |  | 0.0000046             | 0.0002985 |  |
| 2020                                                                  | 11    | Nov-20 | -                         | -         |  | 34.76%                                   | 65.08%     | 0.16%      |  | 0.0002182             | -         |  |
| 2020                                                                  | 12    | Dec-20 | 0.0003341                 | -         |  | 41.17%                                   | 58.37%     | 0.46%      |  | 0.0003987             | -         |  |
| 2021                                                                  | 1     | Jan-21 | 0.0004446                 | -         |  | 43.32%                                   | 54.84%     | 1.84%      |  | 0.0003857             | -         |  |
| 2021                                                                  | 2     | Feb-21 | 0.0003435                 | -         |  | 35.88%                                   | 64.12%     | 0.00%      |  |                       |           |  |
| 2021                                                                  | 3     | Mar-21 | 0.0002574                 | -         |  | 47.16%                                   | 52.84%     | 0.00%      |  |                       |           |  |

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**New Mexico Residential Space Heat Coefficients (Modeled with MWH)**

| Year | Month | Model Coefficients |           |  | Monthly Weights Model to Calendar |            |            | Calendar Month |           |
|------|-------|--------------------|-----------|--|-----------------------------------|------------|------------|----------------|-----------|
|      |       | HDD                | CDD       |  | Current                           | 1st Future | 2nd Future | HDD            | CDD       |
| 2020 | 1     | 0.0014116          | -         |  | 49.62%                            | 49.46%     | 0.92%      | 0.0013970      | -         |
| 2020 | 2     | 0.0013869          | -         |  | 40.56%                            | 59.44%     | 0.00%      | 0.0012457      | -         |
| 2020 | 3     | 0.0011493          | -         |  | 45.93%                            | 54.07%     | 0.00%      | 0.0008153      | -         |
| 2020 | 4     | 0.0005316          | -         |  | 46.67%                            | 52.86%     | 0.48%      | 0.0002481      | 0.0000044 |
| 2020 | 5     | -                  | -         |  | 39.63%                            | 60.37%     | 0.00%      | -              | 0.0005519 |
| 2020 | 6     | -                  | 0.0009142 |  | 44.13%                            | 55.87%     | 0.00%      | -              | 0.0010420 |
| 2020 | 7     | -                  | 0.0011429 |  | 49.31%                            | 50.54%     | 0.15%      | -              | 0.0012103 |
| 2020 | 8     | -                  | 0.0012764 |  | 44.55%                            | 55.30%     | 0.15%      | -              | 0.0011615 |
| 2020 | 9     | -                  | 0.0010702 |  | 44.44%                            | 55.56%     | 0.00%      | -              | 0.0008743 |
| 2020 | 10    | -                  | 0.0007176 |  | 46.39%                            | 52.23%     | 1.38%      | 0.0002440      | 0.0003329 |
| 2020 | 11    | 0.0004412          | -         |  | 34.76%                            | 65.08%     | 0.16%      | 0.0007923      | -         |
| 2020 | 12    | 0.0009783          | -         |  | 41.17%                            | 58.37%     | 0.46%      | 0.0012331      | -         |
| 2021 | 1     | 0.0014116          | -         |  | 43.32%                            | 54.84%     | 1.84%      | 0.0013932      | -         |
| 2021 | 2     | 0.0013869          | -         |  | 35.88%                            | 64.12%     | 0.00%      |                |           |
| 2021 | 3     | 0.0011493          | -         |  | 47.16%                            | 52.84%     | 0.00%      |                |           |

**Southwestern Public Service Company  
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Wholesale and New Mexico**

**New Mexico Small General Service Coefficients (Modeled with MWH)**

| Year | Month | Model Coefficients |           |  | Monthly Weights Model to Calendar |            |            | Calendar Month |           |
|------|-------|--------------------|-----------|--|-----------------------------------|------------|------------|----------------|-----------|
|      |       | HDD                | CDD       |  | Current                           | 1st Future | 2nd Future | HDD            | CDD       |
| 2020 | 1     | 0.0002797          | -         |  | 49.62%                            | 49.46%     | 0.92%      | 0.0002689      | -         |
| 2020 | 2     | 0.0002583          | -         |  | 40.56%                            | 59.44%     | 0.00%      | 0.0002591      | -         |
| 2020 | 3     | 0.0002597          | -         |  | 45.93%                            | 54.07%     | 0.00%      | 0.0001193      | -         |
| 2020 | 4     | -                  | -         |  | 46.67%                            | 52.86%     | 0.48%      | -              | 0.0000029 |
| 2020 | 5     | -                  | -         |  | 39.63%                            | 60.37%     | 0.00%      | -              | 0.0003627 |
| 2020 | 6     | -                  | 0.0006008 |  | 44.13%                            | 55.87%     | 0.00%      | -              | 0.0006711 |
| 2020 | 7     | -                  | 0.0007267 |  | 49.31%                            | 50.54%     | 0.15%      | -              | 0.0007235 |
| 2020 | 8     | -                  | 0.0007204 |  | 44.55%                            | 55.30%     | 0.15%      | -              | 0.0007038 |
| 2020 | 9     | -                  | 0.0006910 |  | 44.44%                            | 55.56%     | 0.00%      | -              | 0.0005696 |
| 2020 | 10    | -                  | 0.0004724 |  | 46.39%                            | 52.23%     | 1.38%      | 0.0000021      | 0.0002192 |
| 2020 | 11    | -                  | -         |  | 34.76%                            | 65.08%     | 0.16%      | 0.0001005      | -         |
| 2020 | 12    | 0.0001537          | -         |  | 41.17%                            | 58.37%     | 0.46%      | 0.0002277      | -         |
| 2021 | 1     | 0.0002797          | -         |  | 43.32%                            | 54.84%     | 1.84%      | 0.0002676      | -         |
| 2021 | 2     | 0.0002583          | -         |  | 35.88%                            | 64.12%     | 0.00%      |                |           |
| 2021 | 3     | 0.0002597          | -         |  | 47.16%                            | 52.84%     | 0.00%      |                |           |



**Southwestern Public Service Company  
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| <b>New Mexico Secondary General Service Coefficients (Modeled with MWH)</b> |       |                           |          |                                          |            |            |                       |           |             |             |  |  |
|-----------------------------------------------------------------------------|-------|---------------------------|----------|------------------------------------------|------------|------------|-----------------------|-----------|-------------|-------------|--|--|
| Year                                                                        | Month | <u>Model Coefficients</u> |          | <u>Monthly Weights Model to Calendar</u> |            |            | <u>Calendar Month</u> |           | Actual Cust | CDD per Cst |  |  |
|                                                                             |       | HDD                       | CDD      | Current                                  | 1st Future | 2nd Future | HDD                   | CDD       |             |             |  |  |
| 2020                                                                        | 1     | -                         | -        | 49.62%                                   | 49.46%     | 0.92%      | -                     | -         | 3,972       | -           |  |  |
| 2020                                                                        | 2     | -                         | -        | 40.56%                                   | 59.44%     | 0.00%      | -                     | -         | 3,982       | -           |  |  |
| 2020                                                                        | 3     | -                         | -        | 45.93%                                   | 54.07%     | 0.00%      | -                     | -         | 4,006       | -           |  |  |
| 2020                                                                        | 4     | -                         | -        | 46.67%                                   | 52.86%     | 0.48%      | -                     | 0.1199435 | 4,005       | 0.0000299   |  |  |
| 2020                                                                        | 5     | -                         | -        | 39.63%                                   | 60.37%     | 0.00%      | -                     | 15.20574  | 4,017       | 0.0037853   |  |  |
| 2020                                                                        | 6     | -                         | 25.18814 | 44.13%                                   | 55.87%     | 0.00%      | -                     | 28.02847  | 4,036       | 0.0069446   |  |  |
| 2020                                                                        | 7     | -                         | 30.27169 | 49.31%                                   | 50.54%     | 0.15%      | -                     | 29.87917  | 4,046       | 0.0073849   |  |  |
| 2020                                                                        | 8     | -                         | 29.49559 | 44.55%                                   | 55.30%     | 0.15%      | -                     | 29.79876  | 4,070       | 0.0073216   |  |  |
| 2020                                                                        | 9     | -                         | 30.07811 | 44.44%                                   | 55.56%     | 0.00%      | -                     | 22.89644  | 4,082       | 0.0056091   |  |  |
| 2020                                                                        | 10    | -                         | 17.15110 | 46.39%                                   | 52.23%     | 1.38%      | -                     | 7.95642   | 4,094       | 0.0019434   |  |  |
| 2020                                                                        | 11    | -                         | -        | 34.76%                                   | 65.08%     | 0.16%      | -                     | -         | 4,109       | -           |  |  |
| 2020                                                                        | 12    | -                         | -        | 41.17%                                   | 58.37%     | 0.46%      | -                     | -         | 4,128       | -           |  |  |
| 2021                                                                        | 1     | -                         | -        | 43.32%                                   | 54.84%     | 1.84%      | -                     | -         |             |             |  |  |
| 2021                                                                        | 2     | -                         | -        | 35.88%                                   | 64.12%     | 0.00%      |                       |           |             |             |  |  |
| 2021                                                                        | 3     | -                         | -        | 47.16%                                   | 52.84%     | 0.00%      |                       |           |             |             |  |  |

**Southwestern Public Service Company  
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Wholesale and New Mexico**

**New Mexico Muni & School Service Coefficients (Modeled with MWH)**

| Year | Month | Model Coefficients |           |             | Monthly Weights Model to Calendar |            |            | Calendar Month |           |             |
|------|-------|--------------------|-----------|-------------|-----------------------------------|------------|------------|----------------|-----------|-------------|
|      |       | HDD                | CDD       | Precip      | Current                           | 1st Future | 2nd Future | HDD            | CDD       | Precip      |
| 2020 | 1     | -                  | -         | -           | 49.62%                            | 49.46%     | 0.92%      | -              | -         | (0.0038944) |
| 2020 | 2     | -                  | -         | -           | 40.56%                            | 59.44%     | 0.00%      | -              | -         | (0.2511664) |
| 2020 | 3     | -                  | -         | (0.4225423) | 45.93%                            | 54.07%     | 0.00%      | -              | -         | (0.4225423) |
| 2020 | 4     | -                  | -         | (0.4225423) | 46.67%                            | 52.86%     | 0.48%      | -              | 0.0000155 | (0.3095842) |
| 2020 | 5     | -                  | -         | (0.2107459) | 39.63%                            | 60.37%     | 0.00%      | -              | 0.0019638 | (0.2107459) |
| 2020 | 6     | -                  | 0.0032529 | (0.2107459) | 44.13%                            | 55.87%     | 0.00%      | -              | 0.0027440 | (0.0929958) |
| 2020 | 7     | -                  | 0.0023420 | -           | 49.31%                            | 50.54%     | 0.15%      | -              | 0.0028312 | -           |
| 2020 | 8     | -                  | 0.0033041 | -           | 44.55%                            | 55.30%     | 0.15%      | -              | 0.0038688 | -           |
| 2020 | 9     | -                  | 0.0042981 | -           | 44.44%                            | 55.56%     | 0.00%      | -              | 0.0092081 | -           |
| 2020 | 10    | -                  | 0.0131362 | -           | 46.39%                            | 52.23%     | 1.38%      | -              | 0.0060939 | -           |
| 2020 | 11    | -                  | -         | -           | 34.76%                            | 65.08%     | 0.16%      | -              | -         | -           |
| 2020 | 12    | -                  | -         | -           | 41.17%                            | 58.37%     | 0.46%      | -              | -         | -           |
| 2021 | 1     | -                  | -         | -           | 43.32%                            | 54.84%     | 1.84%      | -              | -         | (0.0077888) |
| 2021 | 2     | -                  | -         | -           | 35.88%                            | 64.12%     | 0.00%      | -              | -         | -           |
| 2021 | 3     | -                  | -         | (0.4225423) | 47.16%                            | 52.84%     | 0.00%      | -              | -         | -           |

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| <b>New Mexico Irrigation Service Coefficients (Modeled with MWH)</b> |       |                           |     |            |                                          |            |            |     |                       |             |  |  |
|----------------------------------------------------------------------|-------|---------------------------|-----|------------|------------------------------------------|------------|------------|-----|-----------------------|-------------|--|--|
| Year                                                                 | Month | <u>Model Coefficients</u> |     |            | <u>Monthly Weights Model to Calendar</u> |            |            |     | <u>Calendar Month</u> |             |  |  |
|                                                                      |       | HDD                       | CDD | Precip     | Current                                  | 1st Future | 2nd Future | HDD | CDD                   | Precip      |  |  |
| 2020                                                                 | 1     | -                         | -   | -          | 49.62%                                   | 49.46%     | 0.92%      | -   | -                     | (0.0209970) |  |  |
| 2020                                                                 | 2     | -                         | -   | -          | 40.56%                                   | 59.44%     | 0.00%      | -   | -                     | (1.3541831) |  |  |
| 2020                                                                 | 3     | -                         | -   | (2.278170) | 45.93%                                   | 54.07%     | 0.00%      | -   | -                     | (1.7146845) |  |  |
| 2020                                                                 | 4     | -                         | -   | (1.236042) | 46.67%                                   | 52.86%     | 0.48%      | -   | -                     | (0.8695468) |  |  |
| 2020                                                                 | 5     | -                         | -   | (0.548831) | 39.63%                                   | 60.37%     | 0.00%      | -   | -                     | (0.5510122) |  |  |
| 2020                                                                 | 6     | -                         | -   | (0.552444) | 44.13%                                   | 55.87%     | 0.00%      | -   | -                     | (0.5478954) |  |  |
| 2020                                                                 | 7     | -                         | -   | (0.544303) | 49.31%                                   | 50.54%     | 0.15%      | -   | -                     | (0.4718172) |  |  |
| 2020                                                                 | 8     | -                         | -   | (0.399337) | 44.55%                                   | 55.30%     | 0.15%      | -   | -                     | (0.7583426) |  |  |
| 2020                                                                 | 9     | -                         | -   | (1.049648) | 44.44%                                   | 55.56%     | 0.00%      | -   | -                     | (0.4665101) |  |  |
| 2020                                                                 | 10    | -                         | -   | -          | 46.39%                                   | 52.23%     | 1.38%      | -   | -                     | -           |  |  |
| 2020                                                                 | 11    | -                         | -   | -          | 34.76%                                   | 65.08%     | 0.16%      | -   | -                     | -           |  |  |
| 2020                                                                 | 12    | -                         | -   | -          | 41.17%                                   | 58.37%     | 0.46%      | -   | -                     | -           |  |  |
| 2021                                                                 | 1     | -                         | -   | -          | 43.32%                                   | 54.84%     | 1.84%      | -   | -                     | (0.0419939) |  |  |
| 2021                                                                 | 2     | -                         | -   | -          | 35.88%                                   | 64.12%     | 0.00%      |     |                       |             |  |  |
| 2021                                                                 | 3     | -                         | -   | (2.278170) | 47.16%                                   | 52.84%     | 0.00%      |     |                       |             |  |  |

**Southwestern Public Service Company  
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**SPS Wholesale Weather Impacted Sales**

| Sales (In MWh)<br>Calendar Month | Central Valley |                |                |                  |                | Sales (In MWh)<br>WN Calendar Month |                |                |                  |                  |
|----------------------------------|----------------|----------------|----------------|------------------|----------------|-------------------------------------|----------------|----------------|------------------|------------------|
|                                  | Actual         | Valley         | Farmers        | Lea County       | Roosevelt      | Total                               | Central Valley | Farmers        | Lea County       | Roosevelt        |
| Jan-20                           | Actual         | 69,444         | 23,115         | 69,032           | 12,317         | 173,908                             | 69,444         | 23,115         | 69,032           | 12,317           |
| Feb-20                           | Actual         | 63,586         | 22,922         | 89,495           | 11,859         | 187,862                             | 63,586         | 22,922         | 89,495           | 11,859           |
| Mar-20                           | Actual         | 65,976         | 24,866         | 91,053           | 14,025         | 195,920                             | 65,976         | 24,866         | 91,053           | 14,025           |
| Apr-20                           | Actual         | 63,987         | 26,158         | 86,799           | 13,808         | 190,752                             | 63,987         | 26,158         | 86,799           | 13,808           |
| May-20                           | Actual         | 56,068         | 29,030         | 88,653           | 14,036         | 187,787                             | 53,975         | 26,031         | 81,096           | 12,355           |
| Jun-20                           | Actual         | 65,442         | 31,700         | 100,926          | 16,009         | 214,078                             | 64,949         | 31,125         | 99,666           | 15,502           |
| Jul-20                           | Actual         | 72,604         | 38,889         | 117,951          | 17,664         | 247,108                             | 69,015         | 34,135         | 108,566          | 15,047           |
| Aug-20                           | Actual         | 71,403         | 37,811         | 113,397          | 17,330         | 239,941                             | 68,994         | 34,649         | 105,666          | 15,503           |
| Sep-20                           | Actual         | 61,169         | 30,417         | 95,345           | 14,198         | 201,130                             | 61,172         | 30,426         | 95,361           | 14,203           |
| Oct-20                           | Actual         | 59,386         | 26,230         | 85,400           | 13,772         | 184,789                             | 59,386         | 25,040         | 85,400           | 13,772           |
| Nov-20                           | Actual         | 53,392         | 23,185         | 78,515           | 11,878         | 166,970                             | 53,392         | 23,185         | 78,515           | 11,878           |
| Dec-20                           | Actual         | 60,482         | 24,920         | 85,702           | 12,811         | 183,915                             | 60,482         | 24,920         | 85,702           | 12,811           |
| <b>Updated Test Year Total</b>   | <b>Actual</b>  | <b>762,939</b> | <b>339,243</b> | <b>1,102,269</b> | <b>169,707</b> | <b>2,374,158</b>                    | <b>754,360</b> | <b>326,572</b> | <b>1,076,350</b> | <b>163,079</b>   |
|                                  |                |                |                |                  |                |                                     |                |                |                  | <b>2,320,361</b> |

**Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales  
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**SPS Wholesale Weather Impacted Sales**

| Sales (In MWh)<br>Calendar Month | Weather Impacted Sales 10-Year Normal |              |               |               |              |               |
|----------------------------------|---------------------------------------|--------------|---------------|---------------|--------------|---------------|
|                                  | Central<br>Valley                     | Farmers      | Lea<br>County | Roosevelt     | Total        |               |
| Jan-20                           | Actual                                | 0            | 0             | 0             | 0            |               |
| Feb-20                           | Actual                                | 0            | 0             | 0             | 0            |               |
| Mar-20                           | Actual                                | 0            | 0             | 0             | 0            |               |
| Apr-20                           | Actual                                | 0            | 0             | 0             | 0            |               |
| May-20                           | Actual                                | 2,093        | 2,998         | 7,557         | 1,682        | 14,330        |
| Jun-20                           | Actual                                | 492          | 576           | 1,261         | 507          | 2,836         |
| Jul-20                           | Actual                                | 3,589        | 4,754         | 9,384         | 2,617        | 20,343        |
| Aug-20                           | Actual                                | 2,409        | 3,161         | 7,731         | 1,827        | 15,129        |
| Sep-20                           | Actual                                | (3)          | (9)           | (16)          | (4)          | (32)          |
| Oct-20                           | Actual                                | 0            | 1,190         | 0             | 0            | 1,190         |
| Nov-20                           | Actual                                | 0            | 0             | 0             | 0            | 0             |
| Dec-20                           | Actual                                | 0            | 0             | 0             | 0            | 0             |
| <b>Updated Test Year Total</b>   | <b>Actual</b>                         | <b>8,580</b> | <b>12,671</b> | <b>25,918</b> | <b>6,628</b> | <b>53,797</b> |
|                                  |                                       |              |               |               |              | <b>2.3%</b>   |

Southwestern Public Service Company  
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New Mexico Wholesale Weather Impacted Sales Calculation  
Using Roswell Weather (Normal Period 2009-2018)

| New Mexico Wholesale Weather Adjustment Summary |        |        |        |        |        |        |        |        |        |        |        |        |        | Updated<br>Test Year |
|-------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------|
|                                                 | Actual | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 | Total                |
| Heating Degree Days 10-yr Normal                | 744    | 533    | 299    | 120    | 30     | 0      | 0      | 0      | 0      | 6      | 121    | 435    | 748    | 3,035                |
| Heating Degree Days Actual                      | 604    | 559    | 240    | 111    | 2      | 0      | 0      | 0      | 0      | 41     | 169    | 303    | 677    | 2,706                |
| Variance from Normal                            | (140)  | 26     | (59)   | (9)    | (28)   | 0      | 0      | 0      | 0      | 35     | 48     | (132)  | (71)   | (329)                |
| Cooling Degree Days 10-yr Normal                | 0      | 0      | 0      | 9      | 57     | 209    | 500    | 545    | 509    | 269    | 59     | 1      | 0      | 2,156                |
| Cooling Degree Days Actual                      | 0      | 0      | 0      | 9      | 76     | 328    | 530    | 707    | 624    | 268    | 111    | 9      | 0      | 2,662                |
| Variance from Normal                            | 0      | (0)    | 0      | 0      | 19     | 120    | 30     | 162    | 115    | (0)    | 52     | 8      | 0      | 507                  |
| Precipitation 10-yr Normal                      | 0.32   | 0.38   | 0.20   | 0.46   | 1.22   | 1.29   | 1.29   | 1.71   | 1.60   | 1.84   | 1.39   | 0.23   | 0.56   | 11.20                |
| Precipitation Actual                            | 0.44   | 0.57   | 2.07   | 0.23   | 0.20   | 0.39   | 0.39   | 0.81   | 0.57   | 0.09   | 0.69   | 0.12   | 0.00   | 6.18                 |
| Variance from Normal                            | 0.12   | 0.19   | 1.88   | (0.23) | (1.02) | (0.90) | (0.90) | (0.90) | (1.03) | (1.75) | (0.70) | (0.11) | (0.56) | (5.02)               |
| Central Valley (1)                              | 0      | 0      | 0      | 0      | 2,093  | 492    | 3,589  | 2,409  | (3)    | 0      | 0      | 0      | 0      | 8,580                |
| Farmers (2)                                     | 0      | 0      | 0      | 0      | 2,998  | 576    | 4,754  | 3,161  | (9)    | 0      | 1,190  | 0      | 0      | 12,671               |
| Lea County (3)                                  | 0      | 0      | 0      | 0      | 7,557  | 1,261  | 9,384  | 7,731  | (16)   | 0      | 0      | 0      | 0      | 25,918               |
| Roosevelt (4)                                   | 0      | 0      | 0      | 0      | 1,682  | 507    | 2,617  | 1,827  | (4)    | 0      | 0      | 0      | 0      | 6,628                |
| New Mexico Wholesale Weather Adjustment Total   | 0      | 0      | 0      | 0      | 14,330 | 2,836  | 20,343 | 15,129 | (32)   | 1,190  | 0      | 0      | 0      | 53,797               |

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| Central Valley                                        |         |         |         |         |          |          |          |          |         |         |         |         |
|-------------------------------------------------------|---------|---------|---------|---------|----------|----------|----------|----------|---------|---------|---------|---------|
| Cooling Degree Days Weather Adjustment (10-yr Normal) |         |         |         |         |          |          |          |          |         |         |         |         |
| Variance from Normal                                  | Jan-20  | Feb-20  | Mar-20  | Apr-20  | May-20   | Jun-20   | Jul-20   | Aug-20   | Sep-20  | Oct-20  | Nov-20  | Dec-20  |
| Cooling Degree Days Weather Coefficients              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 17.51162 | 16.24880 | 22.12417 | 20.94975 | 6.37338 | 0.00000 | 0.00000 | 0.00000 |
| Cooling Degree Days Weather Adjustment (MWh)          | 0       | 0       | 0       | 0       | 2,093    | 492      | 3,589    | 2,409    | (3)     | 0       | 0       | 0       |
| <b>Central Valley Weather Adjustment (1)</b>          | 0       | 0       | 0       | 0       | 2,093    | 492      | 3,589    | 2,409    | (3)     | 0       | 0       | 0       |

| Farmers                                               |         |         |         |         |          |          |          |          |          |          |         |         |
|-------------------------------------------------------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|---------|---------|
| Cooling Degree Days Weather Adjustment (10-yr Normal) |         |         |         |         |          |          |          |          |          |          |         |         |
| Variance from Normal                                  | Jan-20  | Feb-20  | Mar-20  | Apr-20  | May-20   | Jun-20   | Jul-20   | Aug-20   | Sep-20   | Oct-20   | Nov-20  | Dec-20  |
| Cooling Degree Days Weather Coefficients              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 25.09077 | 18.99805 | 29.30913 | 27.49039 | 17.07785 | 22.71847 | 0.00000 | 0.00000 |
| Cooling Degree Days Weather Adjustment (MWh)          | 0       | 0       | 0       | 0       | 2,998    | 576      | 4,754    | 3,161    | (9)      | 1,190    | 0       | 0       |
| <b>Farmers Weather Adjustment (2)</b>                 | 0       | 0       | 0       | 0       | 2,998    | 576      | 4,754    | 3,161    | (9)      | 1,190    | 0       | 0       |

| Lea County                                            |         |         |         |         |          |          |          |          |          |         |         |         |
|-------------------------------------------------------|---------|---------|---------|---------|----------|----------|----------|----------|----------|---------|---------|---------|
| Cooling Degree Days Weather Adjustment (10-yr Normal) |         |         |         |         |          |          |          |          |          |         |         |         |
| Variance from Normal                                  | Jan-20  | Feb-20  | Mar-20  | Apr-20  | May-20   | Jun-20   | Jul-20   | Aug-20   | Sep-20   | Oct-20  | Nov-20  | Dec-20  |
| Cooling Degree Days Weather Coefficients              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 63.24128 | 41.60705 | 57.85718 | 67.22982 | 31.59260 | 0.00000 | 0.00000 | 0.00000 |
| Cooling Degree Days Weather Adjustment (MWh)          | 0       | 0       | 0       | 0       | 7,557    | 1,261    | 9,384    | 7,731    | (16)     | 0       | 0       | 0       |
| <b>Lea County Weather Adjustment (3)</b>              | 0       | 0       | 0       | 0       | 7,557    | 1,261    | 9,384    | 7,731    | (16)     | 0       | 0       | 0       |

| Roosevelt                                             |         |         |         |         |          |          |          |          |         |         |         |         |
|-------------------------------------------------------|---------|---------|---------|---------|----------|----------|----------|----------|---------|---------|---------|---------|
| Cooling Degree Days Weather Adjustment (10-yr Normal) |         |         |         |         |          |          |          |          |         |         |         |         |
| Variance from Normal                                  | Jan-20  | Feb-20  | Mar-20  | Apr-20  | May-20   | Jun-20   | Jul-20   | Aug-20   | Sep-20  | Oct-20  | Nov-20  | Dec-20  |
| Cooling Degree Days Weather Coefficients              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 12.04576 | 9.68889  | 14.81396 | 13.76807 | 8.83159 | 0.00000 | 0.00000 | 0.00000 |
| Cooling Degree Days Weather Adjustment (MWh)          | 0       | 0       | 0       | 0       | 1,439    | 294      | 2,403    | 1,583    | -4      | 0       | 0       | 0       |
| Precipitation Weather Adjustment (10-yr Normal)       |         |         |         |         |          |          |          |          |         |         |         |         |
| Variance from Normal                                  | Jan-20  | Feb-20  | Mar-20  | Apr-20  | May-20   | Jun-20   | Jul-20   | Aug-20   | Sep-20  | Oct-20  | Nov-20  | Dec-20  |
| Precipitation Weather Coefficients                    | 0.12    | 0.19    | 1.88    | -0.23   | -1.02    | -0.90    | -0.90    | -1.03    | -1.75   | -0.70   | -1.11   | -0.56   |
| Precipitation Weather Adjustment (MWh)                | 0.000   | 0.000   | 0.000   | 0.000   | -237.239 | -237.239 | -237.239 | -237.239 | 0.000   | 0.000   | 0.000   | 0.000   |
| <b>Roosevelt Weather Adjustment (4)</b>               | 0       | 0       | 0       | 0       | 1,682    | 507      | 2,617    | 1,827    | (4)     | 0       | 0       | 0       |

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**Central Valley Coefficients (Modeled with MWH)**

|      |       | Model Coefficients |         |          |         |
|------|-------|--------------------|---------|----------|---------|
| Year | Month | Date               | HDD     | CDD      | Precip  |
| 2020 | Jan   | Jan-2020           | 0.00000 | 0.00000  | 0.00000 |
| 2020 | Feb   | Feb-2020           | 0.00000 | 0.00000  | 0.00000 |
| 2020 | Mar   | Mar-2020           | 0.00000 | 0.00000  | 0.00000 |
| 2020 | Apr   | Apr-2020           | 0.00000 | 0.00000  | 0.00000 |
| 2020 | May   | May-2020           | 0.00000 | 17.51162 | 0.00000 |
| 2020 | Jun   | Jun-2020           | 0.00000 | 16.24880 | 0.00000 |
| 2020 | Jul   | Jul-2020           | 0.00000 | 22.12417 | 0.00000 |
| 2020 | Aug   | Aug-2020           | 0.00000 | 20.94975 | 0.00000 |
| 2020 | Sep   | Sep-2020           | 0.00000 | 6.37338  | 0.00000 |
| 2020 | Oct   | Oct-2020           | 0.00000 | 0.00000  | 0.00000 |
| 2020 | Nov   | Nov-2020           | 0.00000 | 0.00000  | 0.00000 |
| 2020 | Dec   | Dec-2020           | 0.00000 | 0.00000  | 0.00000 |
| 2021 | Jan   | Jan-2021           | 0.00000 | 0.00000  | 0.00000 |
| 2021 | Feb   | Feb-2021           | 0.00000 | 0.00000  | 0.00000 |
| 2021 | Mar   | Mar-2021           | 0.00000 | 0.00000  | 0.00000 |

**Farmers Coefficients (Modeled with MWH)**

|      |       | Model Coefficients |          |         |  |
|------|-------|--------------------|----------|---------|--|
| Year | Month | HDD                | CDD      | Precip  |  |
| 2020 | Jan   | 0.00000            | 0.00000  | 0.00000 |  |
| 2020 | Feb   | 0.00000            | 0.00000  | 0.00000 |  |
| 2020 | Mar   | 0.00000            | 0.00000  | 0.00000 |  |
| 2020 | Apr   | 0.00000            | 0.00000  | 0.00000 |  |
| 2020 | May   | 0.00000            | 25.09077 | 0.00000 |  |
| 2020 | Jun   | 0.00000            | 18.99805 | 0.00000 |  |
| 2020 | Jul   | 0.00000            | 29.30913 | 0.00000 |  |
| 2020 | Aug   | 0.00000            | 27.49039 | 0.00000 |  |
| 2020 | Sep   | 0.00000            | 17.07785 | 0.00000 |  |
| 2020 | Oct   | 0.00000            | 22.71847 | 0.00000 |  |
| 2020 | Nov   | 0.00000            | 0.00000  | 0.00000 |  |
| 2020 | Dec   | 0.00000            | 0.00000  | 0.00000 |  |
| 2021 | Jan   | 0.00000            | 0.00000  | 0.00000 |  |
| 2021 | Feb   | 0.00000            | 0.00000  | 0.00000 |  |
| 2021 | Mar   | 0.00000            | 0.00000  | 0.00000 |  |



**Southwestern Public Service Company  
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**Lea County Coefficients (Modeled with MWH)**

| Year | Month | <u>Model Coefficients</u> |          |         |
|------|-------|---------------------------|----------|---------|
|      |       | HDD                       | CDD      | Precip  |
| 2020 | Jan   | 0.00000                   | 0.00000  | 0.00000 |
| 2020 | Feb   | 0.00000                   | 0.00000  | 0.00000 |
| 2020 | Mar   | 0.00000                   | 0.00000  | 0.00000 |
| 2020 | Apr   | 0.00000                   | 0.00000  | 0.00000 |
| 2020 | May   | 0.00000                   | 63.24128 | 0.00000 |
| 2020 | Jun   | 0.00000                   | 41.60705 | 0.00000 |
| 2020 | Jul   | 0.00000                   | 57.85718 | 0.00000 |
| 2020 | Aug   | 0.00000                   | 67.22982 | 0.00000 |
| 2020 | Sep   | 0.00000                   | 31.59260 | 0.00000 |
| 2020 | Oct   | 0.00000                   | 0.00000  | 0.00000 |
| 2020 | Nov   | 0.00000                   | 0.00000  | 0.00000 |
| 2020 | Dec   | 0.00000                   | 0.00000  | 0.00000 |
| 2021 | Jan   | 0.00000                   | 0.00000  | 0.00000 |
| 2021 | Feb   | 0.00000                   | 0.00000  | 0.00000 |
| 2021 | Mar   | 0.00000                   | 0.00000  | 0.00000 |

**Roosevelt Coefficients (Modeled with MWH)**

| Year | Month | <u>Model Coefficients</u> |          |           |
|------|-------|---------------------------|----------|-----------|
|      |       | HDD                       | CDD      | Precip    |
| 2020 | Jan   | 0.00000                   | 0.00000  | 0.0000    |
| 2020 | Feb   | 0.00000                   | 0.00000  | 0.0000    |
| 2020 | Mar   | 0.00000                   | 0.00000  | 0.0000    |
| 2020 | Apr   | 0.00000                   | 0.00000  | 0.0000    |
| 2020 | May   | 0.00000                   | 12.04576 | -237.2387 |
| 2020 | Jun   | 0.00000                   | 9.68889  | -237.2387 |
| 2020 | Jul   | 0.00000                   | 14.81396 | -237.2387 |
| 2020 | Aug   | 0.00000                   | 13.76807 | -237.2387 |
| 2020 | Sep   | 0.00000                   | 8.83159  | 0.0000    |
| 2020 | Oct   | 0.00000                   | 0.00000  | 0.0000    |
| 2020 | Nov   | 0.00000                   | 0.00000  | 0.0000    |
| 2020 | Dec   | 0.00000                   | 0.00000  | 0.0000    |
| 2021 | Jan   | 0.00000                   | 0.00000  | 0.0000    |
| 2021 | Feb   | 0.00000                   | 0.00000  | 0.0000    |
| 2021 | Mar   | 0.00000                   | 0.00000  | 0.0000    |

**Southwestern Public Service Company  
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**SPS Wholesale Weather Impacted Sales**

| Sales (In MWh)<br>Calendar Month | Central       |                |                |                |                | Lea              |                |                |                |                | Sales (In MWh)<br>WN Calendar Month |                |                |                |                |
|----------------------------------|---------------|----------------|----------------|----------------|----------------|------------------|----------------|----------------|----------------|----------------|-------------------------------------|----------------|----------------|----------------|----------------|
|                                  | Valley        |                |                |                |                | Farmers          |                |                |                |                | Central                             |                |                |                |                |
|                                  | Total         |                |                |                |                | Roosevelt        |                |                |                |                | Total                               |                |                |                |                |
| Jan-20                           | Actual        | 47,839         | 13,033         | 39,125         | 6,896          | 106,893          | 47,839         | 13,033         | 39,125         | 6,896          | 106,893                             | 47,839         | 13,033         | 39,125         | 6,896          |
| Feb-20                           | Actual        | 43,065         | 12,816         | 61,199         | 7,817          | 124,898          | 43,065         | 12,816         | 61,199         | 7,817          | 124,898                             | 43,065         | 12,816         | 61,199         | 7,817          |
| Mar-20                           | Actual        | 43,377         | 14,116         | 59,143         | 8,650          | 125,287          | 43,377         | 14,116         | 59,143         | 8,650          | 125,287                             | 43,377         | 14,116         | 59,143         | 8,650          |
| Apr-20                           | Actual        | 40,275         | 15,348         | 54,028         | 8,232          | 117,883          | 40,275         | 15,348         | 54,028         | 8,232          | 117,883                             | 40,275         | 15,348         | 54,028         | 8,232          |
| May-20                           | Actual        | 31,373         | 17,608         | 54,697         | 8,275          | 111,952          | 30,202         | 15,789         | 50,034         | 7,284          | 103,309                             | 30,202         | 15,789         | 50,034         | 7,284          |
| Jun-20                           | Actual        | 39,330         | 19,341         | 64,206         | 9,567          | 132,443          | 39,034         | 18,990         | 63,404         | 9,264          | 130,691                             | 39,034         | 18,990         | 63,404         | 9,264          |
| Jul-20                           | Actual        | 43,247         | 24,664         | 77,800         | 11,004         | 156,715          | 41,110         | 21,649         | 71,610         | 9,374          | 143,742                             | 41,110         | 21,649         | 71,610         | 9,374          |
| Aug-20                           | Actual        | 43,526         | 24,429         | 74,462         | 10,755         | 153,173          | 42,057         | 22,387         | 69,385         | 9,621          | 143,451                             | 42,057         | 22,387         | 69,385         | 9,621          |
| Sep-20                           | Actual        | 38,495         | 20,288         | 64,262         | 8,623          | 131,668          | 38,497         | 20,294         | 64,273         | 8,625          | 131,689                             | 38,497         | 20,294         | 64,273         | 8,625          |
| Oct-20                           | Actual        | 37,781         | 16,148         | 55,873         | 9,111          | 118,913          | 37,781         | 15,415         | 55,873         | 9,111          | 118,180                             | 37,781         | 15,415         | 55,873         | 9,111          |
| Nov-20                           | Actual        | 32,302         | 12,795         | 48,740         | 7,071          | 100,908          | 32,302         | 12,795         | 48,740         | 7,071          | 100,908                             | 32,302         | 12,795         | 48,740         | 7,071          |
| Dec-20                           | Actual        | 38,800         | 14,458         | 55,378         | 8,110          | 116,746          | 38,800         | 14,458         | 55,378         | 8,110          | 116,746                             | 38,800         | 14,458         | 55,378         | 8,110          |
| <b>Updated Test Year Total</b>   | <b>Actual</b> | <b>479,412</b> | <b>205,044</b> | <b>708,912</b> | <b>104,111</b> | <b>1,497,479</b> | <b>474,341</b> | <b>197,089</b> | <b>692,191</b> | <b>100,055</b> | <b>1,463,676</b>                    | <b>474,341</b> | <b>197,089</b> | <b>692,191</b> | <b>100,055</b> |

**Southwestern Public Service Company  
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**SPS Wholesale Weather Impacted Sales**

| Sales (In MWh)<br>Calendar Month | Weather Impacted Sales 10-Year Normal |              |               |               |              | Total         |
|----------------------------------|---------------------------------------|--------------|---------------|---------------|--------------|---------------|
|                                  | Central<br>Valley                     | Farmers      | Lea<br>County | Roosevelt     |              |               |
| Jan-20                           | Actual                                | 0            | 0             | 0             | 0            | 0             |
| Feb-20                           | Actual                                | 0            | 0             | 0             | 0            | 0             |
| Mar-20                           | Actual                                | 0            | 0             | 0             | 0            | 0             |
| Apr-20                           | Actual                                | 0            | 0             | 0             | 0            | 0             |
| May-20                           | Actual                                | 1,171        | 1,819         | 4,663         | 992          | 8,644         |
| Jun-20                           | Actual                                | 296          | 351           | 802           | 303          | 1,752         |
| Jul-20                           | Actual                                | 2,138        | 3,015         | 6,190         | 1,630        | 12,973        |
| Aug-20                           | Actual                                | 1,469        | 2,043         | 5,077         | 1,134        | 9,722         |
| Sep-20                           | Actual                                | (2)          | (6)           | (11)          | (3)          | (21)          |
| Oct-20                           | Actual                                | 0            | 733           | 0             | 0            | 733           |
| Nov-20                           | Actual                                | 0            | 0             | 0             | 0            | 0             |
| Dec-20                           | Actual                                | 0            | 0             | 0             | 0            | 0             |
| <b>Updated Test Year Total</b>   | <b>Actual</b>                         | <b>5,071</b> | <b>7,955</b>  | <b>16,721</b> | <b>4,056</b> | <b>33,802</b> |
|                                  |                                       |              |               |               |              | 2.3%          |

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New Mexico Wholesale Weather Impacted Sales Calculation  
Using Roswell Weather (Normal Period 2009-2018)

| New Mexico Wholesale Weather Adjustment Summary |                |                |                |                |                 |                |                 |                 |                |                |                |                |        | Updated<br>Test Year<br>Total |
|-------------------------------------------------|----------------|----------------|----------------|----------------|-----------------|----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|--------|-------------------------------|
|                                                 | Actual         | Actual         | Actual         | Actual         | Actual          | Actual         | Actual          | Actual          | Actual         | Actual         | Actual         | Actual         | Actual |                               |
| Heating Degree Days 10-yr Normal                | Jan-20<br>744  | Feb-20<br>533  | Mar-20<br>299  | Apr-20<br>120  | May-20<br>30    | Jun-20<br>0    | Jul-20<br>0     | Aug-20<br>0     | Sep-20<br>6    | Oct-20<br>121  | Nov-20<br>435  | Dec-20<br>748  |        | 3,035                         |
| Heating Degree Days Actual                      | 604            | 559            | 240            | 111            | 2               | 0              | 0               | 0               | 41             | 169            | 303            | 677            |        | 2,706                         |
| Variance from Normal                            | (140)          | 26             | (59)           | (9)            | (28)            | 0              | 0               | 0               | 35             | 48             | (132)          | (71)           |        | (329)                         |
| Cooling Degree Days 10-yr Normal                | Jan-20<br>0    | Feb-20<br>0    | Mar-20<br>9    | Apr-20<br>57   | May-20<br>209   | Jun-20<br>500  | Jul-20<br>545   | Aug-20<br>509   | Sep-20<br>269  | Oct-20<br>59   | Nov-20<br>1    | Dec-20<br>0    |        | 2,156                         |
| Cooling Degree Days Actual                      | 0              | 0              | 9              | 76             | 328             | 530            | 707             | 624             | 268            | 111            | 9              | 0              |        | 2,662                         |
| Variance from Normal                            | 0              | (0)            | 0              | 19             | 120             | 30             | 162             | 115             | (0)            | 52             | 8              | 0              |        | 507                           |
| Precipitation 10-yr Normal                      | Jan-20<br>0.32 | Feb-20<br>0.38 | Mar-20<br>0.20 | Apr-20<br>0.46 | May-20<br>1.22  | Jun-20<br>1.29 | Jul-20<br>1.71  | Aug-20<br>1.60  | Sep-20<br>1.84 | Oct-20<br>1.39 | Nov-20<br>0.23 | Dec-20<br>0.56 |        | 11.20                         |
| Precipitation Actual                            | 0.44           | 0.57           | 2.07           | 0.23           | 0.20            | 0.39           | 0.81            | 0.57            | 0.09           | 0.69           | 0.12           | 0.00           |        | 6.18                          |
| Variance from Normal                            | 0.12           | 0.19           | 1.88           | (0.23)         | (1.02)          | (0.90)         | (0.90)          | (1.03)          | (1.75)         | (0.70)         | (0.11)         | (0.56)         |        | (5.02)                        |
| Central Valley (1)                              | Jan-20<br>0    | Feb-20<br>0    | Mar-20<br>0    | Apr-20<br>0    | May-20<br>1,171 | Jun-20<br>296  | Jul-20<br>2,138 | Aug-20<br>1,469 | Sep-20<br>(2)  | Oct-20<br>0    | Nov-20<br>0    | Dec-20<br>0    |        | 5,071                         |
| Farmers (2)                                     | 0              | 0              | 0              | 0              | 1,819           | 351            | 3,015           | 2,043           | (6)            | 733            | 0              | 0              |        | 7,955                         |
| Lea County (3)                                  | 0              | 0              | 0              | 0              | 4,663           | 802            | 6,190           | 5,077           | (11)           | 0              | 0              | 0              |        | 16,721                        |
| Roosevelt (4)                                   | 0              | 0              | 0              | 0              | 992             | 303            | 1,630           | 1,134           | (3)            | 0              | 0              | 0              |        | 4,056                         |
| New Mexico Wholesale Weather Adjustment Total   | 0              | 0              | 0              | 0              | 8,644           | 1,752          | 12,973          | 9,722           | (21)           | 733            | 0              | 0              |        | 33,802                        |

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|                                                              |          |          |          |          |           |           |           |           |          |          |          |          |
|--------------------------------------------------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|
| <b>Central Valley</b>                                        |          |          |          |          |           |           |           |           |          |          |          |          |
| <b>Cooling Degree Days Weather Adjustment (10-yr Normal)</b> |          |          |          |          |           |           |           |           |          |          |          |          |
| Variance from Normal                                         | Jan-20   | Feb-20   | Mar-20   | Apr-20   | May-20    | Jun-20    | Jul-20    | Aug-20    | Sep-20   | Oct-20   | Nov-20   | Dec-20   |
| Cooling Degree Days Weather Coefficients                     | 0.00000  | 0.00000  | 0.00000  | 0.00000  | 0.00000   | 9,76535   | 13,17852  | 12,77050  | 4,01095  | 0.00000  | 0.00000  | 0.00000  |
| Cooling Degree Days Weather Adjustment (MWh)                 | 0        | 0        | 0        | 0        | 1,171     | 296       | 2,138     | 1,469     | (2)      | 0        | 0        | 0        |
| <b>Central Valley Weather Adjustment (1)</b>                 |          |          |          |          |           |           |           |           |          |          |          |          |
|                                                              | 0        | 0        | 0        | 0        | 1,171     | 296       | 2,138     | 1,469     | (2)      | 0        | 0        | 0        |
| <b>Farmers</b>                                               |          |          |          |          |           |           |           |           |          |          |          |          |
| <b>Cooling Degree Days Weather Adjustment (10-yr Normal)</b> |          |          |          |          |           |           |           |           |          |          |          |          |
| Variance from Normal                                         | Jan-20   | Feb-20   | Mar-20   | Apr-20   | May-20    | Jun-20    | Jul-20    | Aug-20    | Sep-20   | Oct-20   | Nov-20   | Dec-20   |
| Cooling Degree Days Weather Coefficients                     | 0.00000  | 0.00000  | 0.00000  | 0.00000  | 15,21854  | 11,59129  | 18,58806  | 17,76154  | 11,39098 | 13,98595 | 0.00000  | 0.00000  |
| Cooling Degree Days Weather Adjustment (MWh)                 | 0        | 0        | 0        | 0        | 1,819     | 351       | 3,015     | 2,043     | (6)      | 733      | 0        | 0        |
| <b>Farmers Weather Adjustment (2)</b>                        |          |          |          |          |           |           |           |           |          |          |          |          |
|                                                              | 0        | 0        | 0        | 0        | 1,819     | 351       | 3,015     | 2,043     | (6)      | 733      | 0        | 0        |
| <b>Lea County</b>                                            |          |          |          |          |           |           |           |           |          |          |          |          |
| <b>Cooling Degree Days Weather Adjustment (10-yr Normal)</b> |          |          |          |          |           |           |           |           |          |          |          |          |
| Variance from Normal                                         | Jan-20   | Feb-20   | Mar-20   | Apr-20   | May-20    | Jun-20    | Jul-20    | Aug-20    | Sep-20   | Oct-20   | Nov-20   | Dec-20   |
| Cooling Degree Days Weather Coefficients                     | 0.00000  | 0.00000  | 0.00000  | 0.00000  | 39,01825  | 26,46884  | 38,16220  | 44,14613  | 21,29313 | 0.00000  | 0.00000  | 0.00000  |
| Cooling Degree Days Weather Adjustment (MWh)                 | 0        | 0        | 0        | 0        | 4,663     | 802       | 6,190     | 5,077     | (11)     | 0        | 0        | 0        |
| <b>Lea County Weather Adjustment (3)</b>                     |          |          |          |          |           |           |           |           |          |          |          |          |
|                                                              | 0        | 0        | 0        | 0        | 4,663     | 802       | 6,190     | 5,077     | (11)     | 0        | 0        | 0        |
| <b>Roosevelt</b>                                             |          |          |          |          |           |           |           |           |          |          |          |          |
| <b>Cooling Degree Days Weather Adjustment (10-yr Normal)</b> |          |          |          |          |           |           |           |           |          |          |          |          |
| Variance from Normal                                         | Jan-20   | Feb-20   | Mar-20   | Apr-20   | May-20    | Jun-20    | Jul-20    | Aug-20    | Sep-20   | Oct-20   | Nov-20   | Dec-20   |
| Cooling Degree Days Weather Coefficients                     | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 7,101504  | 5,789728  | 9,228846  | 8,544848  | 5,363512 | 0.000000 | 0.000000 | 0.000000 |
| Cooling Degree Days Weather Adjustment (MWh)                 | 0        | 0        | 0        | 0        | 849       | 175       | 1,497     | 983       | -3       | 0        | 0        | 0        |
| <b>Precipitation Weather Adjustment (10-yr Normal)</b>       |          |          |          |          |           |           |           |           |          |          |          |          |
| Variance from Normal                                         | Jan-20   | Feb-20   | Mar-20   | Apr-20   | May-20    | Jun-20    | Jul-20    | Aug-20    | Sep-20   | Oct-20   | Nov-20   | Dec-20   |
| Precipitation Weather Coefficients                           | 0.12     | 0.19     | 1.88     | -0.23    | -1.02     | -0.90     | -0.90     | -1.03     | -1.75    | -0.70    | -0.11    | -0.56    |
| Precipitation Weather Adjustment (MWh)                       | 0.0000   | 0.0000   | 0.0000   | 0.0000   | -139,8626 | -141,7653 | -147,7957 | -147,2369 | 0.0000   | 0.0000   | 0.0000   | 0.0000   |
| <b>Roosevelt Weather Adjustment (4)</b>                      |          |          |          |          |           |           |           |           |          |          |          |          |
|                                                              | 0        | 0        | 0        | 0        | 992       | 303       | 1,630     | 1,134     | (3)      | 0        | 0        | 0        |

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| Central Valley Coefficients (Modeled with MWH) |       |          |         |         |         |  | Farmers Coefficients (Modeled with MWH) |       |         |          |         |  |  |
|------------------------------------------------|-------|----------|---------|---------|---------|--|-----------------------------------------|-------|---------|----------|---------|--|--|
| Model Coefficients                             |       |          |         |         |         |  | Model Coefficients                      |       |         |          |         |  |  |
| Year                                           | Month | Date     | HDD     | CDD     | Precip  |  | Year                                    | Month | HDD     | CDD      | Precip  |  |  |
| 2020                                           | Jan   | Jan-2020 | 0.00000 | 0.00000 | 0.00000 |  | 2020                                    | Jan   | 0.00000 | 0.00000  | 0.00000 |  |  |
| 2020                                           | Feb   | Feb-2020 | 0.00000 | 0.00000 | 0.00000 |  | 2020                                    | Feb   | 0.00000 | 0.00000  | 0.00000 |  |  |
| 2020                                           | Mar   | Mar-2020 | 0.00000 | 0.00000 | 0.00000 |  | 2020                                    | Mar   | 0.00000 | 0.00000  | 0.00000 |  |  |
| 2020                                           | Apr   | Apr-2020 | 0.00000 | 0.00000 | 0.00000 |  | 2020                                    | Apr   | 0.00000 | 0.00000  | 0.00000 |  |  |
| 2020                                           | May   | May-2020 | 0.00000 | 0.00000 | 0.00000 |  | 2020                                    | May   | 0.00000 | 15.21854 | 0.00000 |  |  |
| 2020                                           | Jun   | Jun-2020 | 0.00000 | 0.00000 | 0.00000 |  | 2020                                    | Jun   | 0.00000 | 11.59129 | 0.00000 |  |  |
| 2020                                           | Jul   | Jul-2020 | 0.00000 | 0.00000 | 0.00000 |  | 2020                                    | Jul   | 0.00000 | 18.58806 | 0.00000 |  |  |
| 2020                                           | Aug   | Aug-2020 | 0.00000 | 0.00000 | 0.00000 |  | 2020                                    | Aug   | 0.00000 | 17.76154 | 0.00000 |  |  |
| 2020                                           | Sep   | Sep-2020 | 0.00000 | 0.00000 | 0.00000 |  | 2020                                    | Sep   | 0.00000 | 11.39098 | 0.00000 |  |  |
| 2020                                           | Oct   | Oct-2020 | 0.00000 | 0.00000 | 0.00000 |  | 2020                                    | Oct   | 0.00000 | 13.98595 | 0.00000 |  |  |
| 2020                                           | Nov   | Nov-2020 | 0.00000 | 0.00000 | 0.00000 |  | 2020                                    | Nov   | 0.00000 | 0.00000  | 0.00000 |  |  |
| 2020                                           | Dec   | Dec-2020 | 0.00000 | 0.00000 | 0.00000 |  | 2020                                    | Dec   | 0.00000 | 0.00000  | 0.00000 |  |  |
| 2021                                           | Jan   | Jan-2021 | 0.00000 | 0.00000 | 0.00000 |  | 2021                                    | Jan   | 0.00000 | 0.00000  | 0.00000 |  |  |
| 2021                                           | Feb   | Feb-2021 | 0.00000 | 0.00000 | 0.00000 |  | 2021                                    | Feb   | 0.00000 | 0.00000  | 0.00000 |  |  |
| 2021                                           | Mar   | Mar-2021 | 0.00000 | 0.00000 | 0.00000 |  | 2021                                    | Mar   | 0.00000 | 0.00000  | 0.00000 |  |  |

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| <b>Lea County Coefficients (Modeled with MWH)</b> |       |         |          |         | <b>Roosevelt Coefficients (Modeled with MWH)</b> |       |          |          |           |
|---------------------------------------------------|-------|---------|----------|---------|--------------------------------------------------|-------|----------|----------|-----------|
| <u>Model Coefficients</u>                         |       |         |          |         | <u>Model Coefficients</u>                        |       |          |          |           |
| Year                                              | Month | HDD     | CDD      | Precip  | Year                                             | Month | HDD      | CDD      | Precip    |
| 2020                                              | Jan   | 0.00000 | 0.00000  | 0.00000 | 2020                                             | Jan   | 0.000000 | 0.000000 | 0.0000    |
| 2020                                              | Feb   | 0.00000 | 0.00000  | 0.00000 | 2020                                             | Feb   | 0.000000 | 0.000000 | 0.0000    |
| 2020                                              | Mar   | 0.00000 | 0.00000  | 0.00000 | 2020                                             | Mar   | 0.000000 | 0.000000 | 0.0000    |
| 2020                                              | Apr   | 0.00000 | 0.00000  | 0.00000 | 2020                                             | Apr   | 0.000000 | 0.000000 | 0.0000    |
| 2020                                              | May   | 0.00000 | 39.01825 | 0.00000 | 2020                                             | May   | 0.000000 | 7.101504 | -139.8626 |
| 2020                                              | Jun   | 0.00000 | 26.46884 | 0.00000 | 2020                                             | Jun   | 0.000000 | 5.789728 | -141.7653 |
| 2020                                              | Jul   | 0.00000 | 38.16220 | 0.00000 | 2020                                             | Jul   | 0.000000 | 9.228846 | -147.7957 |
| 2020                                              | Aug   | 0.00000 | 44.14613 | 0.00000 | 2020                                             | Aug   | 0.000000 | 8.544848 | -147.2369 |
| 2020                                              | Sep   | 0.00000 | 21.29313 | 0.00000 | 2020                                             | Sep   | 0.000000 | 5.363512 | 0.0000    |
| 2020                                              | Oct   | 0.00000 | 0.00000  | 0.00000 | 2020                                             | Oct   | 0.000000 | 0.000000 | 0.0000    |
| 2020                                              | Nov   | 0.00000 | 0.00000  | 0.00000 | 2020                                             | Nov   | 0.000000 | 0.000000 | 0.0000    |
| 2020                                              | Dec   | 0.00000 | 0.00000  | 0.00000 | 2020                                             | Dec   | 0.000000 | 0.000000 | 0.0000    |
| 2021                                              | Jan   | 0.00000 | 0.00000  | 0.00000 | 2021                                             | Jan   | 0.000000 | 0.000000 | 0.0000    |
| 2021                                              | Feb   | 0.00000 | 0.00000  | 0.00000 | 2021                                             | Feb   | 0.000000 | 0.000000 | 0.0000    |
| 2021                                              | Mar   | 0.00000 | 0.00000  | 0.00000 | 2021                                             | Mar   | 0.000000 | 0.000000 | 0.0000    |

**Southwestern Public Service Company  
Weather Normalization of Updated Test Year Sales  
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| Year | Month | Production     |         |            |           | Transmission (Production + Load Reduction) |         |            |           |
|------|-------|----------------|---------|------------|-----------|--------------------------------------------|---------|------------|-----------|
|      |       | Central Valley | Farmers | Lea County | Roosevelt | Central Valley                             | Farmers | Lea County | Roosevelt |
| 2020 | Jan   | 47,839         | 13,033  | 39,125     | 6,896     | 69,444                                     | 23,115  | 69,032     | 12,317    |
| 2020 | Feb   | 43,065         | 12,816  | 61,199     | 7,817     | 63,586                                     | 22,922  | 89,495     | 11,859    |
| 2020 | Mar   | 43,377         | 14,116  | 59,143     | 8,650     | 65,976                                     | 24,866  | 91,053     | 14,025    |
| 2020 | Apr   | 40,275         | 15,348  | 54,028     | 8,232     | 63,987                                     | 26,158  | 86,799     | 13,808    |
| 2020 | May   | 31,373         | 17,608  | 54,697     | 8,275     | 56,068                                     | 29,030  | 88,653     | 14,036    |
| 2020 | Jun   | 39,330         | 19,341  | 64,206     | 9,567     | 65,442                                     | 31,700  | 100,926    | 16,009    |
| 2020 | Jul   | 43,247         | 24,664  | 77,800     | 11,004    | 72,604                                     | 38,889  | 117,951    | 17,664    |
| 2020 | Aug   | 43,526         | 24,429  | 74,462     | 10,755    | 71,403                                     | 37,811  | 113,397    | 17,330    |
| 2020 | Sep   | 38,495         | 20,288  | 64,262     | 8,623     | 61,169                                     | 30,417  | 95,345     | 14,198    |
| 2020 | Oct   | 37,781         | 16,148  | 55,873     | 9,111     | 59,386                                     | 26,230  | 85,400     | 13,772    |
| 2020 | Nov   | 32,302         | 12,795  | 48,740     | 7,071     | 53,392                                     | 23,185  | 78,515     | 11,878    |
| 2020 | Dec   | 38,800         | 14,458  | 55,378     | 8,110     | 60,482                                     | 24,920  | 85,702     | 12,811    |



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|     | Ratio (Production/Transmission) |         |            |           |  | Reductions in kWh, at meter |              |              |             |
|-----|---------------------------------|---------|------------|-----------|--|-----------------------------|--------------|--------------|-------------|
|     | Central Valley                  | Farmers | Lea County | Roosevelt |  | Central Valley              | Farmers      | Lea County   | Roosevelt   |
| Jan | 69%                             | 56%     | 57%        | 56%       |  | (21,605,046)                | (10,082,355) | (29,906,339) | (5,420,621) |
| Feb | 68%                             | 56%     | 68%        | 66%       |  | (20,520,922)                | (10,105,586) | (28,295,641) | (4,042,234) |
| Mar | 66%                             | 57%     | 65%        | 62%       |  | (22,598,181)                | (10,750,253) | (31,910,033) | (5,375,126) |
| Apr | 63%                             | 59%     | 62%        | 60%       |  | (23,711,344)                | (10,810,267) | (32,771,525) | (5,575,496) |
| May | 56%                             | 61%     | 62%        | 59%       |  | (24,694,800)                | (11,422,022) | (33,956,318) | (5,761,346) |
| Jun | 60%                             | 61%     | 64%        | 60%       |  | (26,111,905)                | (12,359,015) | (36,720,834) | (6,442,795) |
| Jul | 60%                             | 63%     | 66%        | 62%       |  | (29,356,534)                | (14,225,258) | (40,151,313) | (6,659,620) |
| Aug | 61%                             | 65%     | 66%        | 62%       |  | (27,877,478)                | (13,381,190) | (38,935,545) | (6,574,439) |
| Sep | 63%                             | 67%     | 67%        | 61%       |  | (22,673,682)                | (10,128,817) | (31,083,389) | (5,575,496) |
| Oct | 64%                             | 62%     | 65%        | 66%       |  | (21,605,046)                | (10,082,355) | (29,526,896) | (4,661,734) |
| Nov | 60%                             | 55%     | 62%        | 60%       |  | (21,090,087)                | (10,390,169) | (29,774,696) | (4,806,929) |
| Dec | 64%                             | 58%     | 65%        | 63%       |  | (21,682,483)                | (10,461,798) | (30,324,502) | (4,700,453) |

Southwestern Public Service Company  
Weather Normalization of Updated Test Year Peak Demand

Updated Test Year Peak Day Weather Variance from the 10-yr Average by Concept - Retail

|                                                       | Actual | Actual | Actual | Actual  | Actual | Actual | Actual | Actual | Actual  | Actual  | Actual  | Actual | Actual | Actual | Actual | Actual | Actual | Actual | Update<br>Summer<br>4-mth Avg |
|-------------------------------------------------------|--------|--------|--------|---------|--------|--------|--------|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|-------------------------------|
| Jan-20                                                | 25.4   | 28.1   | 44.2   | 70.0    | 75.5   | 85.3   | 86.4   | 79.7   | 71.1    | 37.2    | 25.9    | 84.0   |        |        |        |        |        |        |                               |
| Feb-20                                                | 33.6   | 31.6   | 40.9   | 69.4    | 77.2   | 85.6   | 92.5   | 68.7   | 49.0    | 86.0    |         |        |        |        |        |        |        |        |                               |
| Mar-20                                                | 8.3    | 3.5    | -3.2   | -0.6    | 1.7    | 0.4    | 6.2    | 1.8    | 2.0     | 31.5    | 23.1    | 2.1    |        |        |        |        |        |        |                               |
| Apr-20                                                | 32.6%  | 12.5%  | -7.3%  | -0.8%   | 2.3%   | 0.4%   | 7.2%   | 2.1%   | -0.1%   | 2.8%    | 84.5%   | 89.2%  | 2.5%   |        |        |        |        |        |                               |
| May-20                                                |        |        |        |         |        |        |        |        |         |         |         |        |        |        |        |        |        |        |                               |
| Jun-20                                                |        |        |        |         |        |        |        |        |         |         |         |        |        |        |        |        |        |        |                               |
| Jul-20                                                |        |        |        |         |        |        |        |        |         |         |         |        |        |        |        |        |        |        |                               |
| Aug-20                                                |        |        |        |         |        |        |        |        |         |         |         |        |        |        |        |        |        |        |                               |
| Sep-20                                                |        |        |        |         |        |        |        |        |         |         |         |        |        |        |        |        |        |        |                               |
| Oct-20                                                |        |        |        |         |        |        |        |        |         |         |         |        |        |        |        |        |        |        |                               |
| Nov-20                                                |        |        |        |         |        |        |        |        |         |         |         |        |        |        |        |        |        |        |                               |
| Dec-20                                                |        |        |        |         |        |        |        |        |         |         |         |        |        |        |        |        |        |        |                               |
| Norm Avg Peak Day Temperature                         | 39.6   | 36.9   | 21.7   | 1.7     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.3     | 28.1    | 39.1   | 0.0    |        |        |        |        |        |                               |
| Act Peak Day Heating Degree Days                      | 31.4   | 33.4   | 24.1   | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 16.0   | 0.0    |        |        |        |        |        |                               |
| Variance                                              | -8.3   | -3.5   | 2.3    | -1.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | -0.3    | -28.1   | -23.1  | 0.0    |        |        |        |        |        |                               |
| % Variance                                            | -20.9% | -9.5%  | 10.7%  | -100.0% |        |        |        |        |         | -100.0% | -100.0% | -59.1% |        |        |        |        |        |        |                               |
| Norm Precipitation for the week prior to the Peak Day | 0.13   | 0.12   | 0.17   | 0.15    | 0.33   | 0.12   | 0.18   | 0.72   | 0.11    | 0.26    | 0.08    | 0.22   | 0.28   |        |        |        |        |        |                               |
| Act Precipitation for the week prior to the Peak Day  | 0.02   | 0.12   | 1.34   | 0.00    | 0.22   | 0.24   | 0.19   | 0.00   | 0.00    | 0.00    | 0.00    | 0.03   | 0.11   |        |        |        |        |        |                               |
| Variance                                              | -0.12  | 0.00   | 1.17   | -0.15   | -0.11  | 0.11   | 0.02   | -0.71  | -0.11   | -0.26   | -0.08   | -0.19  | -0.17  |        |        |        |        |        |                               |
| % Variance                                            | -86.8% | 3.2%   | 709.7% | -100.0% | -33.3% | 91.4%  | 8.5%   | -99.3% | -100.0% | -100.0% | -100.0% | -87.1% | -61.6% |        |        |        |        |        |                               |

Updated Test Year Peak Day Weather Variance from the 10-yr Average by Concept - Full Req Wholesale

|                                                       | Actual | Actual | Actual  | Actual  | Actual  | Actual | Actual  | Actual | Actual  | Actual  | Actual  | Actual  | Actual | Actual | Actual | Actual | Actual | Actual | Update<br>Summer<br>4-mth Avg |
|-------------------------------------------------------|--------|--------|---------|---------|---------|--------|---------|--------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|-------------------------------|
| Jan-20                                                | 30.2   | 34.0   | 46.8    | 70.2    | 77.8    | 86.0   | 86.1    | 84.7   | 79.5    | 72.0    | 40.8    | 29.4    | 84.1   |        |        |        |        |        |                               |
| Feb-20                                                | 40.5   | 37.5   | 46.5    | 71.5    | 81.0    | 85.5   | 92.5    | 86.5   | 83.0    | 74.0    | 67.5    | 49.0    | 86.9   |        |        |        |        |        |                               |
| Mar-20                                                | 10.4   | 3.5    | -0.3    | 1.3     | 3.3     | -0.5   | 6.4     | 1.8    | 3.6     | 2.1     | 26.8    | 19.6    | 2.8    |        |        |        |        |        |                               |
| Apr-20                                                | 34.3%  | 10.3%  | -0.5%   | 1.9%    | 4.2%    | -0.6%  | 7.4%    | 2.1%   | 4.5%    | 2.8%    | 65.6%   | 66.7%   | 3.3%   |        |        |        |        |        |                               |
| May-20                                                |        |        |         |         |         |        |         |        |         |         |         |         |        |        |        |        |        |        |                               |
| Jun-20                                                |        |        |         |         |         |        |         |        |         |         |         |         |        |        |        |        |        |        |                               |
| Jul-20                                                |        |        |         |         |         |        |         |        |         |         |         |         |        |        |        |        |        |        |                               |
| Aug-20                                                |        |        |         |         |         |        |         |        |         |         |         |         |        |        |        |        |        |        |                               |
| Sep-20                                                |        |        |         |         |         |        |         |        |         |         |         |         |        |        |        |        |        |        |                               |
| Oct-20                                                |        |        |         |         |         |        |         |        |         |         |         |         |        |        |        |        |        |        |                               |
| Nov-20                                                |        |        |         |         |         |        |         |        |         |         |         |         |        |        |        |        |        |        |                               |
| Dec-20                                                |        |        |         |         |         |        |         |        |         |         |         |         |        |        |        |        |        |        |                               |
| Norm Avg Peak Day Temperature                         | 34.9   | 31.0   | 18.9    | 1.5     | 0.0     | 0.0    | 0.0     | 0.0    | 0.0     | 0.0     | 24.5    | 35.6    | 0.0    |        |        |        |        |        |                               |
| Act Peak Day Heating Degree Days                      | 24.5   | 27.5   | 18.5    | 0.0     | 0.0     | 0.0    | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 16.0    | 0.0    |        |        |        |        |        |                               |
| Variance                                              | -10.4  | -3.5   | -0.4    | -1.5    | 0.0     | 0.0    | 0.0     | 0.0    | 0.0     | 0.0     | -24.5   | -19.6   | 0.0    |        |        |        |        |        |                               |
| % Variance                                            | -29.7% | -11.3% | -1.9%   | -100.0% |         |        |         |        |         |         | -100.0% | -55.1%  |        |        |        |        |        |        |                               |
| Norm Precipitation for the week prior to the Peak Day | 0.11   | 0.05   | 0.08    | 0.13    | 0.09    | 0.06   | 0.22    | 0.28   | 0.19    | 0.16    | 0.08    | 0.19    | 0.19   |        |        |        |        |        |                               |
| Act Precipitation for the week prior to the Peak Day  | 0.04   | 0.28   | 1.02    | 0.00    | 0.00    | 0.37   | 0.00    | 0.02   | 0.00    | 0.00    | 0.00    | 0.00    | 0.10   |        |        |        |        |        |                               |
| Variance                                              | -0.07  | 0.23   | 0.94    | -0.13   | -0.09   | 0.31   | -0.22   | -0.26  | -0.19   | -0.16   | -0.08   | -0.19   | -0.09  |        |        |        |        |        |                               |
| % Variance                                            | -61.9% | 460.0% | 1143.9% | -100.0% | -100.0% | 527.1% | -100.0% | -92.7% | -100.0% | -100.0% | -100.0% | -100.0% | -47.4% |        |        |        |        |        |                               |

Updated Test Year Peak Day Weather Variance from the 10-yr Average by Concept (GSEC)

|                                  | Actual | Actual | Actual | Actual  | Actual | Actual | Actual | Actual  | Actual  | Actual  | Actual  | Actual  | Actual | Actual | Actual | Actual | Actual | Actual | Update<br>Summer<br>4-mth Avg |
|----------------------------------|--------|--------|--------|---------|--------|--------|--------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|-------------------------------|
| Jan-20                           | 23.8   | 26.1   | 43.3   | 70.0    | 74.7   | 85.0   | 86.4   | 79.8    | 70.8    | 36.4    | 24.8    | 84.0    |        |        |        |        |        |        |                               |
| Feb-20                           | 31.4   | 29.6   | 39.1   | 68.8    | 75.9   | 85.6   | 92.5   | 69.1    | 48.5    | 86.1    |         |         |        |        |        |        |        |        |                               |
| Mar-20                           | 7.6    | 3.5    | -4.2   | -1.2    | 1.2    | 0.6    | 6.1    | 1.8     | 1.9     | 32.7    | 23.7    | 2.1     |        |        |        |        |        |        |                               |
| Apr-20                           | 31.9%  | 13.4%  | -9.6%  | -1.7%   | 1.6%   | 0.7%   | 7.1%   | 2.2%    | -0.2%   | 2.7%    | 90.0%   | 95.8%   | 2.5%   |        |        |        |        |        |                               |
| May-20                           |        |        |        |         |        |        |        |         |         |         |         |         |        |        |        |        |        |        |                               |
| Jun-20                           |        |        |        |         |        |        |        |         |         |         |         |         |        |        |        |        |        |        |                               |
| Jul-20                           |        |        |        |         |        |        |        |         |         |         |         |         |        |        |        |        |        |        |                               |
| Aug-20                           |        |        |        |         |        |        |        |         |         |         |         |         |        |        |        |        |        |        |                               |
| Sep-20                           |        |        |        |         |        |        |        |         |         |         |         |         |        |        |        |        |        |        |                               |
| Oct-20                           |        |        |        |         |        |        |        |         |         |         |         |         |        |        |        |        |        |        |                               |
| Nov-20                           |        |        |        |         |        |        |        |         |         |         |         |         |        |        |        |        |        |        |                               |
| Dec-20                           |        |        |        |         |        |        |        |         |         |         |         |         |        |        |        |        |        |        |                               |
| Norm Avg Peak Day Temperature    | 0.14   | 0.14   | 0.19   | 0.15    | 0.40   | 0.15   | 0.16   | 0.86    | 0.09    | 0.29    | 0.09    | 0.23    | 0.31   |        |        |        |        |        |                               |
| Act Peak Day Heating Degree Days | 0.01   | 0.07   | 1.44   | 0.00    | 0.29   | 0.20   | 0.25   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.11   |        |        |        |        |        |                               |
| Variance                         | -0.13  | -0.07  | 1.25   | -0.15   | -0.11  | 0.05   | 0.09   | -0.86   | -0.09   | -0.29   | -0.09   | -0.23   | -0.20  |        |        |        |        |        |                               |
| % Variance                       | -92.8% | -50.5% | 650.9% | -100.0% | -28.5% | 35.0%  | 55.8%  | -100.0% | -100.0% | -100.0% | -100.0% | -100.0% | -64.2% |        |        |        |        |        |                               |



Southwestern Public Service Company  
Weather Normalization of Updated Test Year Peak Demand

Updated Test Year Retail Peak Demand Weather Adjustment Detail  
Actual Historical Retail Peak Demand (MW)

|                   | Actual | Jan-20 | Feb-20 | Actual | Mar-20 | Actual | Apr-20 | Actual | May-20 | Actual | Jun-20 | Actual | Jul-20 | Actual | Aug-20 | Actual | Sep-20 | Actual | Oct-20 | Actual | Nov-20 | Actual | Dec-20 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Updated Test Year |        | 2,923  | 2,931  | 2,931  | 2,656  | 2,611  | 2,908  | 3,442  | 3,761  | 3,701  | 3,359  | 3,029  | 2,827  | 2,907  |        |        |        |        |        |        |        |        |        |

Average Temperature Weather Adjustment (10-yr Normal)

|                                             | Jan-20   | Feb-20   | Mar-20   | Apr-20   | May-20   | Jun-20    | Jul-20    | Aug-20    | Sep-20   | Oct-20   | Nov-20   | Dec-20   |
|---------------------------------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|----------|----------|----------|----------|
| Average Temperature Normal                  | 25.4     | 28.1     | 44.2     | 70.0     | 75.5     | 85.3      | 86.4      | 84.6      | 79.7     | 71.1     | 37.2     | 25.9     |
| Average Temperature Actual                  | 33.6     | 31.6     | 40.9     | 69.4     | 77.2     | 85.6      | 92.5      | 86.4      | 79.6     | 73.1     | 68.7     | 49.0     |
| Variance from Normal                        | 8.3      | 3.5      | -3.2     | -0.6     | 1.7      | 0.4       | 6.2       | 1.8       | -0.1     | 2.0      | 31.5     | 23.1     |
| Average Temperature Weather Coefficients    | 0.000000 | 0.000000 | 0.000000 | 3.438999 | 8.184218 | 10.770964 | 11.284703 | 11.419811 | 8.767722 | 3.752940 | 0.000000 | 0.000000 |
| Average Temperature Weather Adjustment (MW) | 0.0      | 0.0      | 0.0      | -2.0     | 14.0     | 3.9       | 69.7      | 20.7      | -0.9     | 7.4      | 0.0      | 0.0      |

Heating Degree Days Weather Adjustment (10-yr Normal)

|                                             | Jan-20   | Feb-20   | Mar-20   | Apr-20   | May-20   | Jun-20   | Jul-20   | Aug-20   | Sep-20   | Oct-20   | Nov-20   | Dec-20   |
|---------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Heating Degree Days Normal                  | 39.6     | 36.9     | 21.7     | 1.7      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.3      | 28.1     | 39.1     |
| Heating Degree Days Actual                  | 31.4     | 33.4     | 24.1     | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 16.0     |
| Variance from Normal                        | -8.3     | -3.5     | 2.3      | -1.7     | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | -0.3     | -28.1    | -23.1    |
| Heating Degree Days Weather Coefficients    | 8.271275 | 7.267876 | 5.423372 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 7.349147 | 8.781747 |
| Heating Degree Days Weather Adjustment (MW) | -68.4    | -25.4    | 12.6     | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | -206.3   | -202.9   |

Precipitation 1 week before Peak Day Weather Adjustment (10-yr Normal)

|                                       | Jan-20   | Feb-20   | Mar-20   | Apr-20     | May-20     | Jun-20     | Jul-20    | Aug-20    | Sep-20    | Oct-20   | Nov-20   | Dec-20   |
|---------------------------------------|----------|----------|----------|------------|------------|------------|-----------|-----------|-----------|----------|----------|----------|
| Precipitation Normal                  | 0.1      | 0.1      | 0.2      | 0.1        | 0.3        | 0.1        | 0.2       | 0.7       | 0.1       | 0.3      | 0.1      | 0.2      |
| Precipitation Actual                  | 0.0      | 0.1      | 1.3      | 0.0        | 0.2        | 0.2        | 0.2       | 0.0       | 0.0       | 0.0      | 0.0      | 0.0      |
| Variance from Normal                  | -0.1     | 0.0      | 1.2      | -0.1       | -0.1       | 0.1        | 0.0       | -0.7      | -0.1      | -0.3     | -0.1     | -0.2     |
| Precipitation Weather Coefficients    | 0.000000 | 0.000000 | 0.000000 | -146.38748 | -146.38748 | -146.38748 | -59.29032 | -59.29032 | -59.29032 | 0.000000 | 0.000000 | 0.000000 |
| Precipitation Weather Adjustment (MW) | 0.0      | 0.0      | 0.0      | 21.8       | 15.9       | -16.7      | -0.9      | 42.3      | 6.7       | 0.0      | 0.0      | 0.0      |

Southwestern Public Service Company  
Weather Normalization of Updated Test Year Peak Demand

Updated Test Year Full Requirement Wholesale Peak Demand Weather Adjustment Detail  
Actual Historical Full Requirement Wholesale Peak Demand (MW)

| Updated Test Year | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Actual Dec-20 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
|                   | 757    | 757    | 646    | 760    | 852    | 978    | 1,097  | 1,014  | 898    | 755    | 607    | 731           |

Average Temperature Weather Adjustment (10-yr Normal)

|                                             | Jan-20   | Feb-20   | Mar-20   | Apr-20   | May-20   | Jun-20   | Jul-20   | Aug-20   | Sep-20   | Oct-20   | Nov-20   | Actual Dec-20 |
|---------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------------|
| Average Temperature Normal                  | 30.2     | 34.0     | 46.8     | 70.2     | 77.8     | 86.0     | 86.1     | 84.7     | 79.5     | 72.0     | 40.8     | 29.4          |
| Average Temperature Actual                  | 40.5     | 37.5     | 46.5     | 71.5     | 81.0     | 85.5     | 92.5     | 86.5     | 83.0     | 74.0     | 67.5     | 49.0          |
| Variance from Normal                        | 10.4     | 3.5      | -0.3     | 1.3      | 3.3      | -0.5     | 6.4      | 1.8      | 3.6      | 2.1      | 26.8     | 19.6          |
| Average Temperature Weather Coefficients    | 0.000000 | 0.000000 | 0.000000 | 2.566543 | 3.907331 | 5.048770 | 5.351449 | 5.558946 | 4.747523 | 2.564554 | 0.000000 | 0.000000      |
| Average Temperature Weather Adjustment (MW) | 0.0      | 0.0      | 0.0      | 3.3      | 12.7     | -2.5     | 34.2     | 10.0     | 16.9     | 5.3      | 0.0      | 0.0           |

Heating Degree Days Weather Adjustment (10-yr Normal)

|                                             | Jan-20   | Feb-20   | Mar-20   | Apr-20   | May-20   | Jun-20   | Jul-20   | Aug-20   | Sep-20   | Oct-20   | Nov-20   | Actual Dec-20 |
|---------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------------|
| Heating Degree Days Normal                  | 34.9     | 31.0     | 18.9     | 1.5      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 24.5     | 35.6          |
| Heating Degree Days Actual                  | 24.5     | 27.5     | 18.5     | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 16.0          |
| Variance from Normal                        | -10.4    | -3.5     | -0.4     | -1.5     | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | -24.5    | -19.6         |
| Heating Degree Days Weather Coefficients    | 3.100868 | 3.429157 | 3.390289 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 2.755140 | 3.204796      |
| Heating Degree Days Weather Adjustment (MW) | -32.1    | -12.0    | -1.2     | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | -67.4    | -62.8         |

Precipitation 1 week before Peak Day Weather Adjustment (10-yr Normal)

|                                       | Jan-20   | Feb-20   | Mar-20   | Apr-20    | May-20    | Jun-20    | Jul-20    | Aug-20    | Sep-20    | Oct-20   | Nov-20   | Actual Dec-20 |
|---------------------------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|---------------|
| Precipitation Normal                  | 0.1      | 0.1      | 0.1      | 0.1       | 0.1       | 0.1       | 0.2       | 0.3       | 0.2       | 0.2      | 0.1      | 0.2           |
| Precipitation Actual                  | 0.0      | 0.3      | 1.0      | 0.0       | 0.0       | 0.4       | 0.0       | 0.0       | 0.0       | 0.0      | 0.0      | 0.0           |
| Variance from Normal                  | -0.1     | 0.2      | 0.9      | -0.1      | -0.1      | 0.3       | -0.2      | -0.3      | -0.2      | -0.2     | -0.1     | -0.2          |
| Precipitation Weather Coefficients    | 0.000000 | 0.000000 | 0.000000 | -45.13429 | -45.13429 | -45.13429 | -45.13429 | -45.13429 | -45.13429 | 0.000000 | 0.000000 | 0.000000      |
| Precipitation Weather Adjustment (MW) | 0.0      | 0.0      | 0.0      | 6.0       | 4.2       | -14.0     | 9.9       | 11.5      | 8.4       | 0.0      | 0.0      | 0.0           |

Southwestern Public Service Company  
Weather Normalization of Updated Test Year Peak Demand

Updated Test Year Full Requirement Wholesale Peak Demand Weather Adjustment Detail  
Actual Historical Full Requirement Wholesale Peak Demand (MW)

|                   | Actual | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Actual | Dec-20 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Updated Test Year |        | 259    | 257    | 219    | 223    | 232    | 228    | 262    | 245    | 298    | 255    | 210    |        | 236    |

Average Temperature Weather Adjustment (10-yr Normal)

|                                             | Jan-20   | Feb-20   | Mar-20   | Apr-20   | May-20   | Jun-20   | Jul-20   | Aug-20   | Sep-20   | Oct-20   | Nov-20   | Dec-20   |
|---------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average Temperature Normal                  | 30.2     | 34.0     | 46.8     | 70.2     | 77.8     | 86.0     | 86.1     | 84.7     | 79.5     | 72.0     | 40.8     | 29.4     |
| Average Temperature Actual                  | 40.5     | 37.5     | 46.5     | 71.5     | 81.0     | 85.5     | 92.5     | 86.5     | 83.0     | 74.0     | 67.5     | 49.0     |
| Variance from Normal                        | 10.4     | 3.5      | -0.3     | 1.3      | 3.3      | -0.5     | 6.4      | 1.8      | 3.6      | 2.1      | 26.8     | 19.6     |
| Average Temperature Weather Coefficients    | 0.000000 | 0.000000 | 0.000000 | 0.753482 | 1.066196 | 1.178917 | 1.278648 | 1.340834 | 1.576181 | 0.867325 | 0.000000 | 0.000000 |
| Average Temperature Weather Adjustment (MW) | 0.0      | 0.0      | 0.0      | 1.0      | 3.5      | -0.6     | 8.2      | 2.4      | 5.6      | 1.8      | 0.0      | 0.0      |

Heating Degree Days Weather Adjustment (10-yr Normal)

|                                             | Jan-20   | Feb-20   | Mar-20   | Apr-20   | May-20   | Jun-20   | Jul-20   | Aug-20   | Sep-20   | Oct-20   | Nov-20   | Dec-20   |
|---------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Heating Degree Days Normal                  | 34.9     | 31.0     | 18.9     | 1.5      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 24.5     | 35.6     |
| Heating Degree Days Actual                  | 24.5     | 27.5     | 18.5     | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 16.0     |
| Variance from Normal                        | -10.4    | -3.5     | -0.4     | -1.5     | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | -24.5    | -19.6    |
| Heating Degree Days Weather Coefficients    | 1.059774 | 1.165443 | 1.149847 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.954568 | 1.034354 |
| Heating Degree Days Weather Adjustment (MW) | -11.0    | -4.1     | -0.4     | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | -23.3    | -20.3    |

Precipitation 1 week before Peak Day Weather Adjustment (10-yr Normal)

|                                       | Jan-20   | Feb-20   | Mar-20   | Apr-20    | May-20    | Jun-20    | Jul-20    | Aug-20    | Sep-20    | Oct-20   | Nov-20   | Dec-20   |
|---------------------------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|
| Precipitation Normal                  | 0.1      | 0.1      | 0.1      | 0.1       | 0.1       | 0.1       | 0.2       | 0.3       | 0.2       | 0.2      | 0.1      | 0.2      |
| Precipitation Actual                  | 0.0      | 0.3      | 1.0      | 0.0       | 0.0       | 0.4       | 0.0       | 0.0       | 0.0       | 0.0      | 0.0      | 0.0      |
| Variance from Normal                  | -0.1     | 0.2      | 0.9      | -0.1      | -0.1      | 0.3       | -0.2      | -0.3      | -0.2      | -0.2     | -0.1     | -0.2     |
| Precipitation Weather Coefficients    | 0.000000 | 0.000000 | 0.000000 | -13.25046 | -12.31583 | -10.53912 | -10.78416 | -10.88653 | -14.98462 | 0.000000 | 0.000000 | 0.000000 |
| Precipitation Weather Adjustment (MW) | 0.0      | 0.0      | 0.0      | 1.7       | 1.1       | -3.3      | 2.4       | 2.8       | 2.8       | 0.0      | 0.0      | 0.0      |

Southwestern Public Service Company  
Weather Normalization of Updated Test Year Peak Demand

Updated Test Year Golden Spread Full Load Peak Demand Weather Adjustment Detail  
Actual Historical Golden Spread Full Load Peak Demand (MW)

| Updated Test Year | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Actual Dec-20 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
|                   | 536    | 552    | 591    | 922    | 947    | 1,158  | 1,386  | 1,340  | 1,102  | 760    | 563    | 556           |

| Average Temperature Weather Adjustment (10-yr Normal) |          |          |          |          |          |          |          |          |          |          |          |          |
|-------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                                                       | Jan-20   | Feb-20   | Mar-20   | Apr-20   | May-20   | Jun-20   | Jul-20   | Aug-20   | Sep-20   | Oct-20   | Nov-20   | Dec-20   |
| Average Temperature Normal                            | 23.8     | 26.1     | 43.3     | 70.0     | 74.7     | 85.0     | 86.4     | 84.6     | 79.8     | 70.8     | 36.4     | 24.8     |
| Average Temperature Actual                            | 31.4     | 29.6     | 39.1     | 68.8     | 75.9     | 85.6     | 92.5     | 86.4     | 79.6     | 72.8     | 69.1     | 48.5     |
| Variance from Normal                                  | 7.6      | 3.5      | -4.2     | -1.2     | 1.2      | 0.6      | 6.1      | 1.8      | -0.1     | 1.9      | 32.7     | 23.7     |
| Average Temperature Weather Coefficients              | 0.000000 | 0.000000 | 1.867790 | 3.635572 | 4.417169 | 6.068024 | 8.007537 | 8.101160 | 4.521202 | 0.702902 | 0.000000 | 0.000000 |
| Average Temperature Weather Adjustment (MW)           | 0.0      | 0.0      | -7.8     | -4.3     | 5.4      | 3.8      | 48.8     | 14.7     | -0.7     | 1.4      | 0.0      | 0.0      |

| Precipitation 1 week before Peak Day Weather Adjustment (10-yr Normal) |          |          |          |            |            |            |           |           |           |          |          |          |
|------------------------------------------------------------------------|----------|----------|----------|------------|------------|------------|-----------|-----------|-----------|----------|----------|----------|
|                                                                        | Jan-20   | Feb-20   | Mar-20   | Apr-20     | May-20     | Jun-20     | Jul-20    | Aug-20    | Sep-20    | Oct-20   | Nov-20   | Dec-20   |
| Precipitation Normal                                                   | 0.1      | 0.1      | 0.2      | 0.2        | 0.4        | 0.1        | 0.2       | 0.9       | 0.1       | 0.3      | 0.1      | 0.2      |
| Precipitation Actual                                                   | 0.0      | 0.1      | 1.4      | 0.0        | 0.3        | 0.2        | 0.3       | 0.0       | 0.0       | 0.0      | 0.0      | 0.0      |
| Variance from Normal                                                   | -0.1     | -0.1     | 1.2      | -0.2       | -0.1       | 0.1        | 0.1       | -0.9      | -0.1      | -0.3     | -0.1     | -0.2     |
| Precipitation Weather Coefficients                                     | 0.000000 | 0.000000 | 0.000000 | -112.51078 | -112.51078 | -112.51078 | -54.95297 | -54.95297 | -54.95297 | 0.000000 | 0.000000 | 0.000000 |
| Precipitation Weather Adjustment (MW)                                  | 0.0      | 0.0      | 0.0      | 17.3       | 12.8       | -5.8       | -5.0      | 47.4      | 4.9       | 0.0      | 0.0      | 0.0      |

Southwestern Public Service Company  
Weather Normalization of Updated Test Year Peak Demand

| GSEC Full Load Peak Demand |                    |       |           |            |            |         |                    |           |           |           |           |            |
|----------------------------|--------------------|-------|-----------|------------|------------|---------|--------------------|-----------|-----------|-----------|-----------|------------|
| Date                       | Model Coefficients |       |           |            |            |         | Model Coefficients |           |           |           |           |            |
|                            | Year               | Month | PD        | HDD        | PD         | Avg     | Temp               | PD        | HDD       | PD        | Avg       | Temp       |
| Jan-20                     | 2020               | 1     | 8.2712754 | 0.0000000  | 0.0000000  | 0.00000 | 0.00000            | 3.1008676 | 0.0000000 | 0.0000000 | 0.0000000 | 0.00000    |
| Feb-20                     | 2020               | 2     | 7.2678755 | 0.0000000  | 0.0000000  | 0.00000 | 0.00000            | 3.4291574 | 0.0000000 | 0.0000000 | 0.0000000 | 0.00000    |
| Mar-20                     | 2020               | 3     | 5.4233719 | 0.0000000  | 0.0000000  | 0.00000 | 0.00000            | 3.3902888 | 0.0000000 | 0.0000000 | 1.8677895 | 0.00000    |
| Apr-20                     | 2020               | 4     | 0.0000000 | 3.4389994  | -146.38748 | 0.00000 | 0.00000            | 0.0000000 | 2.5665432 | -45.13429 | 3.6355718 | -112.51078 |
| May-20                     | 2020               | 5     | 0.0000000 | 8.1842178  | -146.38748 | 0.00000 | 0.00000            | 0.0000000 | 3.9073315 | -45.13429 | 4.4171690 | -112.51078 |
| Jun-20                     | 2020               | 6     | 0.0000000 | 10.7709638 | -146.38748 | 0.00000 | 0.00000            | 0.0000000 | 5.0487697 | -45.13429 | 6.0680237 | -112.51078 |
| Jul-20                     | 2020               | 7     | 0.0000000 | 11.2847035 | -59.29032  | 0.00000 | 0.00000            | 0.0000000 | 5.3514494 | -45.13429 | 8.0075368 | -54.95297  |
| Aug-20                     | 2020               | 8     | 0.0000000 | 11.4198105 | -59.29032  | 0.00000 | 0.00000            | 0.0000000 | 5.5589464 | -45.13429 | 8.1011598 | -54.95297  |
| Sep-20                     | 2020               | 9     | 0.0000000 | 8.7677219  | -59.29032  | 0.00000 | 0.00000            | 0.0000000 | 4.7475225 | -45.13429 | 4.5212021 | -54.95297  |
| Oct-20                     | 2020               | 10    | 0.0000000 | 3.7529404  | 0.00000    | 0.00000 | 0.00000            | 0.0000000 | 2.5645540 | 0.00000   | 0.7029020 | 0.00000    |
| Nov-20                     | 2020               | 11    | 7.3491467 | 0.0000000  | 0.00000    | 0.00000 | 0.00000            | 2.7551399 | 0.0000000 | 0.0000000 | 0.0000000 | 0.00000    |
| Dec-20                     | 2020               | 12    | 8.7817475 | 0.0000000  | 0.00000    | 0.00000 | 0.00000            | 3.2047964 | 0.0000000 | 0.0000000 | 0.0000000 | 0.00000    |

| Full Req Wholesale Peak Demand |                    |       |           |           |           |         |                    |      |       |           |           |           |            |           |         |         |         |
|--------------------------------|--------------------|-------|-----------|-----------|-----------|---------|--------------------|------|-------|-----------|-----------|-----------|------------|-----------|---------|---------|---------|
| Date                           | Model Coefficients |       |           |           |           |         | Model Coefficients |      |       |           |           |           |            |           |         |         |         |
|                                | Year               | Month | PD        | HDD       | PD        | Avg     | Temp               | Year | Month | PD        | HDD       | PD        | Avg        | Temp      | Precip  | 1WK     | B4      |
| Jan-20                         | 2020               | 1     | 3.1008676 | 0.0000000 | 0.0000000 | 0.00000 | 0.00000            | 2020 | 1     | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000 | 0.00000 | 0.00000 | 0.00000 |
| Feb-20                         | 2020               | 2     | 3.4291574 | 0.0000000 | 0.0000000 | 0.00000 | 0.00000            | 2020 | 2     | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000 | 0.00000 | 0.00000 | 0.00000 |
| Mar-20                         | 2020               | 3     | 3.3902888 | 0.0000000 | 0.0000000 | 0.00000 | 0.00000            | 2020 | 3     | 0.0000000 | 0.0000000 | 1.8677895 | 0.0000000  | 0.0000000 | 0.00000 | 0.00000 | 0.00000 |
| Apr-20                         | 2020               | 4     | 0.0000000 | 2.5665432 | -45.13429 | 0.00000 | 0.00000            | 2020 | 4     | 0.0000000 | 0.0000000 | 3.6355718 | -112.51078 | 0.0000000 | 0.00000 | 0.00000 | 0.00000 |
| May-20                         | 2020               | 5     | 0.0000000 | 3.9073315 | -45.13429 | 0.00000 | 0.00000            | 2020 | 5     | 0.0000000 | 0.0000000 | 4.4171690 | -112.51078 | 0.0000000 | 0.00000 | 0.00000 | 0.00000 |
| Jun-20                         | 2020               | 6     | 0.0000000 | 5.0487697 | -45.13429 | 0.00000 | 0.00000            | 2020 | 6     | 0.0000000 | 0.0000000 | 6.0680237 | -112.51078 | 0.0000000 | 0.00000 | 0.00000 | 0.00000 |
| Jul-20                         | 2020               | 7     | 0.0000000 | 5.3514494 | -45.13429 | 0.00000 | 0.00000            | 2020 | 7     | 0.0000000 | 0.0000000 | 8.0075568 | -54.95297  | 0.0000000 | 0.00000 | 0.00000 | 0.00000 |
| Aug-20                         | 2020               | 8     | 0.0000000 | 5.5589464 | -45.13429 | 0.00000 | 0.00000            | 2020 | 8     | 0.0000000 | 0.0000000 | 8.1011598 | -54.95297  | 0.0000000 | 0.00000 | 0.00000 | 0.00000 |
| Sep-20                         | 2020               | 9     | 0.0000000 | 4.7475225 | -45.13429 | 0.00000 | 0.00000            | 2020 | 9     | 0.0000000 | 0.0000000 | 4.5212021 | -54.95297  | 0.0000000 | 0.00000 | 0.00000 | 0.00000 |
| Oct-20                         | 2020               | 10    | 0.0000000 | 2.5645540 | 0.00000   | 0.00000 | 0.00000            | 2020 | 10    | 0.0000000 | 0.0000000 | 0.7029020 | 0.00000    | 0.0000000 | 0.00000 | 0.00000 | 0.00000 |
| Nov-20                         | 2020               | 11    | 2.7551399 | 0.0000000 | 0.00000   | 0.00000 | 0.00000            | 2020 | 11    | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000 | 0.00000 | 0.00000 | 0.00000 |
| Dec-20                         | 2020               | 12    | 3.2047964 | 0.0000000 | 0.00000   | 0.00000 | 0.00000            | 2020 | 12    | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000 | 0.00000 | 0.00000 | 0.00000 |

| GSEC Full Load Peak Demand |       |                    |           |           |           |         |         |         |         |  |  |
|----------------------------|-------|--------------------|-----------|-----------|-----------|---------|---------|---------|---------|--|--|
|                            |       | Model Coefficients |           |           |           |         |         |         |         |  |  |
| Year                       | Month | PD                 | HDD       | PD        | Avg       | Temp    | Precip  | 1WK     | B4      |  |  |
| 2020                       | 1     | 0.0000000          | 0.0000000 | 0.0000000 | 0.0000000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |  |  |
| 2020                       | 2     | 0.0000000          | 0.0000000 | 0.0000000 | 0.0000000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |  |  |
| 2020                       | 3     | 0.0000000          | 1.8677895 |           |           |         |         |         |         |  |  |
| 2020                       | 4     | 0.0000000          | 3.6355718 |           |           |         |         |         |         |  |  |
| 2020                       | 5     | 0.0000000          | 4.4171690 |           |           |         |         |         |         |  |  |
| 2020                       | 6     | 0.0000000          | 6.0680237 |           |           |         |         |         |         |  |  |
| 2020                       | 7     | 0.0000000          | 8.0075368 |           |           |         |         |         |         |  |  |
| 2020                       | 8     | 0.0000000          | 8.1011598 |           |           |         |         |         |         |  |  |
| 2020                       | 9     | 0.0000000          | 4.5212021 |           |           |         |         |         |         |  |  |
| 2020                       | 10    | 0.0000000          | 0.7029020 |           |           |         |         |         |         |  |  |
| 2020                       | 11    | 0.0000000          | 0.0000000 |           |           |         |         |         |         |  |  |
| 2020                       | 12    | 0.0000000          | 0.0000000 |           |           |         |         |         |         |  |  |