

DOCKET NO. _____

APPLICATION OF SOUTHWESTERN § PUBLIC UTILITY COMMISSION
PUBLIC SERVICE COMPANY FOR §
AUTHORITY TO CHANGE RATES § OF TEXAS

DIRECT TESTIMONY
of
MARK P. MOELLER

on behalf of

SOUTHWESTERN PUBLIC SERVICE COMPANY

(Filename: MoellerRRDirect.doc)

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GLOSSARY OF ACRONYMS AND DEFINED TERMS

<u>Acronym/Defined Term</u>	<u>Meaning</u>
A&G	Administrative and General
ADIT	Accumulated Deferred Income Taxes
AFUDC	Allowance for Funds Used During Construction
Alliance	Alliance Consulting Group
ARAM	Average Rate Assumption Method
B&M	Burns & McDonnell
Commission	Public Utility Commission of Texas
CWIP	Construction Work in Progress
E&S	Engineering and Supervision
FERC	Federal Energy Regulatory Commission
FIT	Federal Income Tax
ITC	Investment Tax Credit
MACRS	Modified Accelerated Cost Recovery System
Operating Companies	Northern States Power Company, a Minnesota corporation; Northern States Power Company, a Wisconsin corporation; Public Service Company of Colorado, a Colorado corporation; and SPS
Production Formula	PSCo Production Formula Rate Template
PSCo	Public Service Company of Colorado, a Colorado corporation
PURA	Public Utility Regulatory Act
RFP	Rate Filing Package

<u>Acronym/Defined Term</u>	<u>Meaning</u>
SPS	Southwestern Public Service Company, a New Mexico corporation
TCJA	Tax Cuts and Job Act
Test Year	April 1, 2018 through March 31, 2019
Tolk	Tolk Generating Station
Total Company or total company	Total SPS (before jurisdictional allocation)
Transmission Template	PSCo Transmission Formula Rate Template
Update Period	April 1, 2019 through June 30, 2019
WBS	Work Breakdown Structure
Xcel Energy	Xcel Energy Inc.
XES	Xcel Energy Services Inc.

LIST OF ATTACHMENTS

<u>Attachment</u>	<u>Description</u>
MPM-RR-1	SPS's Depreciation Expense (Filename: Attachment MPM-RR-1.xlsx)
MPM-RR-2	Calculation to Unblend Depreciation Reserve (Filename: Attachment MPM-RR-2.xlsx)
MPM-RR-3	Calculation of Accumulated Deferred Income Tax Adjustment (Filename: Attachment MPM-RR-3.xlsx)
MPM-RR-4(V)	Capital Additions, July 1, 2017 through March 31, 2019, Separated by Sponsoring Witness (Filename: Attachment MPM-RR-4(V).xlsx)
MPM-RR-5	Capital Additions April 1, 2019 through June 30, 2019, Separated by Sponsoring Witness (Filename: Attachment MPM-RR-5.xlsx)
MPM-RR-6	Plant-Related Roll Forwards for the period July 1, 2017 through June 30, 2019 (Filename: Attachment MPM-RR-6.xlsx)
MPM-RR-7	Affiliate Charge, July 1, 2017 through March 31, 2019, Separated by Cost Component and Sponsoring Witness (Filename: Attachment MPM-RR-7.xls)
MPM-RR-8	Affiliate Charge – Cost Components (Filename: Attachment MPM-RR-8.xls)
MPM-RR-9	Allocating Software Work Orders (Filename: Attachment MPM-RR-9.xls)
MPM-RR-10	Example of Software Allocated Charge Processing (Filename: Attachment MPM-RR-10.xls)

**DIRECT TESTIMONY
OF
MARK P. MOELLER**

1 **I. WITNESS IDENTIFICATION AND QUALIFICATIONS**

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

3 A. My name is Mark P. Moeller. My business address is 401 Nicollet Mall,
4 Minneapolis, Minnesota 55401.

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

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

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

10 A. I am employed by Xcel Energy Services Inc. (“XES”), a wholly-owned subsidiary
11 of Xcel Energy Inc. (“Xcel Energy”), as Director, Capital Asset Accounting. XES is
12 the centralized service company for the Xcel Energy holding company system, and
13 provides services to the subsidiaries of Xcel Energy.

14 **Q. Please briefly outline your responsibilities as Director of Capital Asset**
15 **Accounting.**

16 A. As Director of Capital Asset Accounting, I lead the Capital Asset Accounting
17 department and am responsible for various capital asset functions associated with
18 accounting, reporting, tax and rate proposals involving depreciation for SPS and
19 other Xcel Energy Operating Companies.¹

¹ Northern States Power Company, a Minnesota corporation; Northern States Power Company, a Wisconsin corporation; Public Service Company of Colorado, a Colorado corporation; and SPS.

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

2 A. I graduated from Saint John’s University in Collegeville, Minnesota, with a Bachelor
3 of Science degree in Accounting in 1989 and also received a Master of Business
4 Administration degree from the University of Minnesota, Carlson School of
5 Management in 1996.

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

7 A. Since January 2019, I have been employed as Director, Capital Asset Accounting.
8 Prior to this role, I served in several other financial director and manager roles at
9 XES including Corporate Accounting, Financial Process and Governance, Financial
10 Performance and Reporting, Financial Controls. I led the implementation of Xcel
11 Energy’s conversion from its JDE general ledger system to an SAP general ledger
12 system in 2016, and previously led Xcel Energy’s implementation of Sarbanes-Oxley
13 compliance processes in 2003. I have been employed at XES since April 2003.

14 **Q. Do you hold any professional licenses?**

15 A. Yes. I am a CPA certificate holder, but am not an active CPA.

16 **Q. Have you testified before any regulatory authorities?**

17 A. Yes. I recently submitted several testimonies on behalf of Public Service Company
18 of Colorado (“PSCo”). In Docket No. ER19-2084-000, I submitted testimony
19 supporting revisions to the PSCo Production Formula Rate Template (“Production
20 Formula”) to (i) revise Common Utility Plant depreciation rates, (ii) establish a
21 regulatory asset for the PSCo portion of the Craig Unit 1 generating plant (which is
22 being retired early), and (iii) incorporate the impacts of the Tax Cuts and Job Act
23 (“TCJA”) on accumulated deferred income taxes (“ADIT”). I also submitted

1 testimony in Docket No. ER19-2077-000, supporting revisions to the PSCo
2 Transmission Formula Rate Template (“Transmission Template”) to similarly revise
3 Common Utility Plant depreciation rates and incorporate impacts of the TCJA on
4 ADIT. The revisions to the Production Formula and Transmission Template were
5 proposed to be effective January 1, 2018. I submitted testimony in Docket No. ER19-
6 2272-000. The purpose of that testimony was to support tariff revisions that will
7 establish regulatory assets and establish the initial amortization period for the costs
8 associated with the early retirement of Comanche Unit 1, Comanche Unit 2, and
9 related common assets at the Comanche Station. In addition to my testimony
10 supporting capital, I have also filed testimony related to Xcel Energy’s benefit plans
11 in multiple retail rate cases in Minnesota, Colorado, Texas and New Mexico between
12 2008 and 2013.

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

3 **Q. What are your assignments in this proceeding?**

4 A. One of my assignments in this proceeding is to discuss SPS's depreciation expense,
5 its accumulated depreciation reserve, and its ADIT balance. In particular, I discuss
6 the following topics:

- 7 • SPS's depreciation expense based on service lives and depreciation rates
8 approved in Docket Nos. 43695, 46936, and 47527;
- 9 • I sponsor and support the ending balances for SPS's plant accounts, and I
10 apply the depreciation rates calculated by SPS witness Dane A. Watson
11 to those plant account balances to develop SPS's proposed depreciation
12 expense;
- 13 • SPS's development of the balance of accumulated depreciation for the
14 Texas retail jurisdiction and the related balance of ADIT, which I refer to
15 as the "unblending adjustment"; and
- 16 • SPS's calculation of deferred tax amounts to reflect both state and federal
17 tax burdens.

18 I next summarize SPS actual and proposed capital additions during the
19 24-month period from July 1, 2017 through June 30, 2019. Specifically, I discuss:

- 20 • the actual capital additions closed to plant-in-service from July 1, 2017
21 through March 31, 2019;
- 22 • the capital additions that SPS forecasts it will close to plant-in-service
23 during the period of April 1, 2019 through June 30, 2019 ("Update
24 Period");
- 25 • the inclusion of affiliate charges in capital additions closed to plant-in-
26 service during the period July 1, 2017 to March 31, 2019;
- 27 • the estimation and inclusion of affiliate charges in capital additions
28 closed to plant-in-service during the Update Period;
- 29 • SPS's adjustment to remove the carrying costs associated with the shared
30 assets that have been charged to SPS and the return on assets that SPS
31 receives from other affiliates; and

1 The ADIT balance was increased by \$20,715,333 at March 31, 2019 with
2 an incremental decrease of \$667,575 at June 30, 2019 to reflect the
3 impact that the Texas-only depreciation rates have on ADIT;

- 4 • SPS requests to include in rate base \$791,273,460 (total company) in
5 capital additions closed to plant-in-service during the period from July 1,
6 2017 to March 31, 2019, including the associated capitalized affiliate
7 charges of \$55,337,295 (total company). These capital additions are
8 reasonable and necessary, were prudently incurred, and support SPS's
9 ability to provide electric service to its customers. As described in more
10 detail by SPS witness Melissa L. Schmidt, the charges from SPS's
11 affiliates for a particular service are no higher than the charges by that
12 affiliate to any other entity for the same or similar service. The
13 capitalized affiliate costs presented in my Attachment MPM-RR-4(V) are
14 reasonable and necessary capital costs, were prudently incurred, and
15 support SPS's ability to provide electric service to its customers;
- 16 • SPS's estimated capital additions of \$951,299,705 (total company) closed
17 to plant-in-service during the Update Period, including the associated
18 capitalized affiliate charges of \$63,778,601 (total company), are
19 reasonable and necessary, were prudently incurred, and support SPS's
20 ability to provide electric service to its customers. The estimated
21 capitalized affiliate costs in the Update Period are similar to those
22 included for projects placed in service during the previous 21 months,
23 and the total functional estimates are provided based on historic
24 percentages for the different asset classes; and
- 25 • Consistent with the Commission's decision in Docket No. 43695, SPS
26 has made an adjustment to its shared asset expense to remove \$2,537,396
27 of carrying costs that SPS incurred from affiliates and to remove
28 \$3,110,579 of revenue SPS has received from affiliates related to SPS's
29 return on its shared assets.

30 **Q. Will your testimony be updated for costs incurred in the three months following**
31 **the Test Year, which are April 1, 2019 through June 30, 2019?**

32 A. Yes. As initially filed, the capital costs reflected in Attachment MPM-RR-5,
33 including the associated capitalized affiliate charges, are estimated amounts. As
34 discussed by SPS witness William A. Grant, SPS will file actual costs for all items
35 estimated in the Update Period, including an updated version of Attachment
36 MPM-RR-5, no later than the 45th day after the date of the initial filing of this rate

1 case, as required by Public Utility Regulatory Act (“PURA”) § 36.112 and 16 Tex.
2 Admin. Code § 25.246. The capitalized affiliate charges as filed reflect historical
3 percentages for affiliate charges for each of the asset classes, or functional areas.
4 SPS’s update will reflect actual affiliate charges associated with the actual capital
5 projects.

6 **Q. Were Attachments MPM-RR-1 through MPM-RR-10 and the RFP schedules**
7 **that you sponsor or co-sponsor prepared by you or under your direct**
8 **supervision and control?**

9 A. Yes.

10 **Q. Do you incorporate into your testimony the RFP schedules and portions of the**
11 **Executive Summary that you sponsor or co-sponsor?**

12 A. Yes.

1 **III. SPONSORED RFP SCHEDULES**

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

3 A. In this section of my testimony, I address the RFP schedules that I sponsor or
4 co-sponsor.

5 **Q. Please describe the RFP schedules that you sponsor and co-sponsor in this**
6 **proceeding.**

7 A. The following table provides the RFP schedules that I sponsor or co-sponsor, along
8 with an explanation of the information contained in the schedules.

9 **Table MPM-RR-2**

Schedule	Content
C-1: Original Cost of Utility Plant	Summarizes the amounts of utility plant classified by major account of the Uniform System of Accounts as of the beginning of the test year, April 1, 2018 through March 31, 2019 (“Test Year”), and at the end of the Update Period. Includes the book additions, retirements, and adjustments made during the Test Year and Update Period; the book balances at the end of the Test Year and Update Period; and claimed adjustments to the book balances and the total cost of plant. I sponsor all of the information on this schedule. This schedule will be updated to replace estimates with actual amounts.
C-2: Detail of Original Cost of Utility Plant	Provides for the major plant accounts, the amounts by detailed plant accounts prescribed by the Uniform System of Accounts with subtotals by primary or functional classifications, and the claimed adjustments to the book balances, including the estimates for the Update Period. I sponsor all of the information on this schedule. This schedule will be updated to replace estimates with actual amounts.

Schedule	Content
C-3: Monthly Detail of Utility Plant-in-service	Includes the monthly book balance of plant by primary or functional classification and detailed by plant account for each of the 12 months in the Test Year, with any adjustments to the Test Year-end balances, including the Update Period adjustments, included in adjoining columns. I sponsor all of the information on this schedule. This schedule will be updated to replace estimates with actual amounts.
C-4.1: Construction Work in Progress ("CWIP") by Functional Group	Includes a listing of items by functional group included in CWIP as of the end of the Test Year. I sponsor all of the information on this schedule. This schedule will be updated to replace estimates with actual amounts.
C-5: Allowance for Funds Used During Construction ("AFUDC") or Interest During Construction	Includes a complete statement of the methods, procedures, and calculations followed in capitalizing AFUDC (or interest during construction) and other construction overhead, as well as the capitalization rates for the five years ending with the Test Year and the amounts generated and transferred to plant-in-service in each of those years. I sponsor all of the information on this schedule. This schedule will be updated to replace estimates with actual amounts.
D: Accumulated Depreciation	Includes a narrative that includes the type of computer program in which data the D series of schedules are provided, the schedules provided on CD, the file names with each schedule, and other general information as appropriate. I sponsor all of the information on this schedule.
D-1: By Functional Group and/or Primary Account	Includes the accumulated provisions for depreciation detailed by functional group and/or primary account classification as of the beginning of the Test Year and the book accruals, retirements, and adjustments made during the Test Year, together with the balances at the end of the Test Year. I sponsor all of the information on this schedule. This schedule will be updated to replace estimates with actual amounts.

Schedule	Content
D-2: Booking Methods	Includes a description of the methods and procedures followed in booking depreciation of plant, retirements, and abandonments. I sponsor all of the information on this schedule.
D-3: Plant Held for Future Use	Includes a listing of plant held for future use included in FERC Account 105. I sponsor all of the information on this schedule. This schedule will be updated to replace estimates with actual amounts.
D-4: Depreciation Expense	Includes utility plant depreciation expense by functional group and/or primary account classifications. I sponsor all of the information on this schedule. This schedule will be updated to replace estimates with actual amounts.
D-5: Depreciation Rate Study	A copy of the depreciation study used to justify the change in depreciation rates. I sponsor all of the information on this schedule.
D-6: Retirement Data for All Generating Units	Provides projected retirement dates utilized in the current depreciation study and those used for long-term planning purposes for all generating units in service or anticipated to be in service within 12 months of the Test Year. I sponsor all of the information on this schedule.
D-7: Summary of Book Salvage	Summarizes the Test Year salvage value for each FERC account or functional group. I sponsor all of the information on this schedule.
D-8: Service Life	Provides by account number, the average service life of each asset or group of assets (sorted by functional use), indicating which Iowa Curve was used to determine the average service life. I sponsor all of the information on this schedule.

Schedule	Content
G-7.1: Reconciliation of Test Year Book Net Income to Taxable Net Income	This schedule includes a reconciliation of book net income and taxable net income for the Test Year and for the most recent year for which a tax return was filed. I co-sponsor this schedule along with SPS witness Naomi Koch. This schedule will be updated to replace estimates with actual amounts.
G-7.1a: Reconciliation of Timing Differences	This schedule includes a reconciliation detailing the timing differences and other items that would produce federal income tax at a rate differing from the statutory rate. I co-sponsor this schedule with Ms. Koch. This schedule will be updated to replace estimates with actual amounts.
G-7.2: Plant Adjustments	This schedule provides the following information for new generating units and any requested plant adjustment to the Test Year: (1) tax in-service date, (2) tax basis, (3) all applicable forms of tax depreciation method, class, etc., (4) amount of all applicable forms of tax depreciation for the Test Year and amounts projected for the subsequent two years, and (5) amount of ADIT as of the end of the Test Year.
G-7.4: ADIT	This schedule provides Test Year year-end ADIT balances, including the book balance, the requested adjustments to the balances, and the resulting adjusted ADIT balances. I co-sponsor this schedule with SPS witnesses Arthur P. Freitas and Ms. Koch. This schedule will be updated to replace estimates with actual amounts.
G-7.4a: ADIT - Description of Timing Differences	This schedule includes a description of the nature of each timing difference listed in Schedule G-7.4. I co-sponsor this schedule with Mr. Freitas and Ms. Koch. This schedule will be updated to replace estimates with actual amounts.

Schedule	Content
G-7.4b: Adjustments to ADIT	This schedule provides supporting explanations and detailed calculations for each adjustment to the Test Year year-end balances in Schedule G-7.4. I co-sponsor this schedule with Mr. Freitas and Ms. Koch. This schedule will be updated to replace estimates with actual amounts.
G-7.4c: ADIT and ITC - Plant Adjustments & Additions	This schedule provides ADIT balances and Investment Tax Credit (“ITC”) balances at Test Year year-end related to additions to new generating plant-in-service and any plant adjustments to the year-end balances. I co-sponsor this schedule with Ms. Koch.
G-7.5: Analysis of ITCs	Presents an analysis of the ITCs adjustment. I co-sponsor this schedule with Ms. Koch.
G-7.5a: Utilized	Provides and analysis of ITCs utilized for tax return purposes. I co-sponsor this schedule with Ms. Koch.
G-7.5b: Generated but not Utilized	Provides detail ITCs generated but not utilized along with an explanation of why such credits have not been utilized. I co-sponsor this schedule with Ms. Koch.
G-7.5c: Utilized - Stand Alone Basis	To be filed by utilities filing a consolidated tax return. Provides an analysis of investment tax credits utilized for tax return purposes as though SPS had filed its tax returns on a stand-alone basis for electric operations only. I co-sponsor this schedule with Ms. Koch.
G-7.5d: ITC Election	Provides details of any and all elections made by SPS with regard to investment tax credits. I co-sponsor this schedule with Ms. Koch.
G-7.5e: FERC Account 255 Balance	Provides the FERC Account 255 balance (together with all subaccounts) at Test Year year-end. I co-sponsor this schedule with Ms. Koch.

Schedule	Content
G-7.6	Provides an analysis of income tax calculated using Tax Method 2. I co-sponsor this schedule with Ms. Koch and Mr. Freitas. This schedule will be updated to replace estimates with actual amounts.
G-7.6a	Provides support for the Total Deferred Income Taxes found on Schedule G-7.6. I co-sponsor this schedule with Ms. Koch and Mr. Freitas. This schedule will be updated to replace estimates with actual amounts.
G-7.7: Analysis of Additional Depreciation Requested	Provides a detailed calculation of the requested adjustment to return for additional depreciation. I co-sponsor this schedule with Mr. Freitas. The portion of the schedule that I sponsor relates to the additional depreciation amounts requested. This schedule will be updated to replace estimates with actual amounts.
G-7.8	Provides an analysis of income tax calculated using Tax Method 1. I co-sponsor this schedule with Ms. Koch and Mr. Freitas. This schedule will be updated to replace estimates with actual amounts.
G-7.9: Amortization of Projected & Unprotected Excess Deferred Taxes	Provides a summary of SPS's requested amortization of unprotected and protected excess deferred taxes, with explanations of methodologies used. I co-sponsor this schedule with Mr. Freitas. This schedule will be updated to replace estimates with actual amounts.
G-7.9a: Analysis of Excess Deferred Taxes by Timing Difference	Provides the excess in Schedule G-7.9 by timing difference. It also provides the unamortized balance of excess deferred taxes at Test Year year-end by timing difference. I sponsor all of the information on this schedule. This schedule will be updated to replace estimates with actual amounts.

Schedule	Content
G-7.9b: Reconciliation of Excess	Provides the unamortized excess at Test Year year-end and a reconciliation to the unamortized excess as established in the most recent final order by timing difference. I sponsor all of the information on this schedule.
G-7.9c: Analysis of Reserve Accounting for Excess Deferred Taxes	Provides balances at Test Year year-end in accounts established for reserve accounting. I sponsor all of the information on this schedule.
G-7.10: Effects of Accounting Order Deferrals	Lists and explains all effects on requested Federal Income Tax (“FIT”) and ADIT of SPS’s accounting order (cost) deferrals. I co-sponsor this schedule with Ms. Koch.
G-7.13: List of FIT Testimony	This schedule contains a list of testimony addressing federal income taxes and ADIT. I co-sponsor this schedule with Ms. Koch and Mr. Freitas.
G-17.3c: Changes in Accounting for Deferred FIT	Provides an explanation of any changes in company accounting for deferred FIT. I co-sponsor this schedule with Ms. Koch.
H-5.1: Capital Cost Methodology	Describes the methods and criteria used to select and determine what and how unit improvements, modifications, and repairs become capitalized cost items or projects. Provides a descriptive list of current applicable procedures. Also provided as workpapers are the retirement units and expense items information (Retirement Catalog). I sponsor all of the information on this Schedule.
P-11: Distribution Plant Study	Provides a distribution plant study by FERC primary account. I co-sponsor this schedule with SPS witness Richard M. Luth. This schedule will be updated to replace estimates with actual amounts.

- 1 Schedules C-1, C-2, C-3, C-4.1, C-5, D-1, D-3, D-4, G-7.1, G-7.1a, G-7.4,
- 2 G-7.4a, G-7.4b, G-7.6, G-7.6a, G-7.7, G-7.8, G-7.9, G-7.9a, and P-11 will be updated

1 in the case update filing 45 days after the application is filed.

1 **IV. CAPITAL ADDITIONS**

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

3 A. In this section of my testimony, I discuss SPS's request to include in rate base its
4 capital additions closed to plant-in-service during the period from July 1, 2017
5 through March 31, 2019. SPS's capital additions from January 1, 2016 through June
6 30, 2017 were approved by the Commission in Docket No. 47527. Thus, the 21
7 months starting July 1, 2017 covers the period after June 30, 2017 through March 31,
8 2019, the end of the Test Year in this case. I also address the inclusion of capital
9 additions closed during the Update Period.

10 **Q. Do the requested capital additions include affiliate charges?**

11 A. Yes. Capital additions from both the period from July 1, 2017 through March 31,
12 2019 and the Update Period include affiliate charges. In regard to those affiliate
13 charges, this section of my testimony will: (1) demonstrate that these costs are
14 appropriate construction charges; (2) validate that the term "direct charge" in fact
15 means just that; and (3) establish that SPS was charged equitably for the work
16 received.

17 My discussion will divide the affiliate charges into two segments, Software
18 and All Other Plant. It is appropriate to split the charges in this manner because the
19 charges for capitalized software are mostly assigned to SPS through an allocation.
20 Though allocated, these costs are still appropriately included in rate base, but the
21 equitable nature of this assignment method will be described separately from the
22 direct charge method generally used for other construction costs.

1 **Q. Have you prepared a list of SPS’s requested capital additions for the period July**
2 **1, 2017 through March 31, 2019?**

3 A. Yes. My Attachment MPM-RR-4(V) is a list of SPS’s requested capital additions for
4 the period July 1, 2017 through March 31, 2019. This attachment provides the
5 following information:

Column A —	Work Breakdown Structure (“WBS”) Level 4 Number	Provides the WBS Level 4 number for the project.
Column B —	WBS Level 4 Description	Provides a short title for the WBS Level 4 number for the project.
Column C —	Asset Class	Identifies the type of asset.
Column D —	Witness	Identifies the witness supporting the project.
Column E —	Project Category	Provides the project category that is descriptive of the project’s type.
Column F —	WBS Level 2 Description	Provides the WBS Level 2 number for the project.
Column G—	WBS Level 2 Description	Provides a short title for the WBS Level 2 number for the project.
Column H —	In-Service Date	Provides the in-service date of the WBS Level 2 number of the project.
Column I —	Additions to Plant-in-Service (Jul. 2017 – Mar. 2019)	The total company dollar amount of the addition to plant-in-service for the project.
Column J —	XES Charges (Included in Column I)	The amount of charges from XES that is included in the total company dollar amount of addition to plant-in-service for the project in Column I.

Column K —	Other Affiliate Charges (Included in Column I)	The amount of charges from affiliates other than XES that is included in the total company dollar amount of addition to plant-in-service for the project in Column I.
Column L —	Total Affiliate Charges (Included in Column I)	Total of Columns J and K associated with new plant-in-service shown in Column I.
Column M —	Total Native Charges (Columns I less L) Within the Total Additions to Plant-in-Service Shown in Column (I)	The dollar amount (total company) of the addition to plant-in-service in Column I that is not an affiliate charge.

1 **Q. Do you also have a list of capital additions for the Update Period?**

2 A. Yes. My Attachment MPM-RR-5 is a list of SPS's requested capital additions for
3 the Update Period. This attachment provides the following information:

Column A —	Asset Class	Identifies the type of asset.
Column B —	Witness	Identifies the witness supporting the project.
Column C —	Project Category	Provides the project category that is descriptive of the project's type.
Column D —	Additions to Plant-in-service (Apr. 2019 – Jun. 2019)	The budgeted total company dollar amount of the addition to plant-in-service for the project.
Column E —	Total Affiliate Charges (Included in Column D)	The total charges from XES and other affiliates included in the total company dollar amount of addition to plant-in-service for the project in Column D.
Column F —	Project Description	Provides a short description for the project and its major components.

1 **Q. Are you the only SPS witness who discusses capital additions?**

2 A. No. I discuss the accounting practices applicable to capital, including overhead
3 pools applied to capital projects and affiliate charges. The following six SPS
4 witnesses support the reasonableness and necessity of the specific capital projects
5 within the overall requested capital additions from both the July 1, 2017 through
6 March 31, 2019 period and the Update Period:

Casey Meeks	Distribution and related general plant.
Lawrence A. Bick	General plant (related to facilities and property services).
Stephen J. Brown	Physical Security plant.
Mark Lytal	Production and related general plant.
David C. Harkness	General plant (related to information technology) and software.
Jarred Cooley	Transmission and related general plant.

7 These witnesses are involved in the analysis and review that their respective
8 business areas perform to ensure the capital expenditures are crucial and necessary to
9 support their areas. I am responsible for the calculations of plant-related balances
10 and expenses, which can be derived only after the business areas have completed
11 their analyses. The process of moving the costs from CWIP to plant produces the
12 capital additions that then form the basis from which all the other plant-related
13 information can be provided.

14 **Q. How do capital additions affect rate base?**

15 A. In regard to plant assets, rate base has two main components: the plant-in-service
16 balance and the accumulated-provision-for-depreciation balance. Plant additions

1 increase the amount of plant-related rate base. Annual depreciation expense added to
2 the accumulated provision for depreciation causes rate base to decrease. If plant
3 additions were equal to depreciation expense in a given year, the plant-related rate
4 base would remain constant. If plant-related rate base increases from one year to the
5 next, it is because plant additions exceed the depreciation expense.

6 **A. Plant Additions Placed In Service between July 1, 2017 and March**
7 **31, 2019**

8 **Q. What is the amount of SPS's requested capital additions for the period July**
9 **2017 through March 2019?**

10 A. Total capital additions to plant-in-service for the period July 1, 2017 through March
11 31, 2019 are \$791,273,460. This includes capitalized affiliate charges of
12 \$55,337,295.

13 **Q. Please describe the significance of the in-service date as it appears in Column H**
14 **on the individual witness tabs of Attachment MPM-RR-4(V).**

15 A. The in-service date is the date upon which the asset is in use and when the asset is
16 moved from CWIP to plant-in-service. When the asset is moved to plant-in-service,
17 the utility stops accruing AFUDC and begins accruing book depreciation. Some
18 capital work involves multiple assets being constructed in the same work order with
19 many in-service dates (commonly referred to as "blanket" work orders). On
20 Attachment MPM-RR-4(V), Column H, blanket work orders may show in-service
21 date outside of the July 1, 2017 through March 31, 2019 period or not show an
22 in-service date at all. Typically, charges can continue for a short period after the
23 in-service date is recognized on a work order. These "trailing charges" are for

1 recognition of the final bills from vendors, testing of the equipment, restoration of
2 the ground, settlement of any disputes, and returning unused stock to inventory.

3 **Q. Could there be additional costs associated with the projects on your Attachment**
4 **MPM-RR-4(V) that were recorded after March 31, 2019?**

5 A. Yes. Some of the capital projects reflected on my Attachment MPM-RR-4(V) could
6 have “trailing charges” that were recorded after March 31, 2019. These charges
7 would be included in SPS’s 45-day update filing, provided they close to plant-in-
8 service during the Update Period.

9 **Q. What part of construction costs is included in rate base?**

10 A. The construction costs for SPS’s capital projects are not included in rate base until
11 the asset is fully constructed and closed to plant-in-service. The asset must be used
12 and useful before it is included in rate base. When an asset becomes used and useful,
13 the accumulation of construction charges is closed to plant-in-service, FERC
14 Account 106, *Construction Completed Not Classified* (a holding account used after
15 the asset is in use but before it has been allocated to the individual retirement units
16 constructed), and then to FERC Account 101, *Electric Plant-in-service* (the account
17 where the asset is transferred after it is allocated to retirement units). Therefore, an
18 asset in its construction phase is not included in rate base until it is closed from
19 construction and recognized as a plant addition in either FERC Accounts 106 or 101.
20 As I mentioned earlier, my Attachment MPM-RR-4(V) lists all capital additions for
21 the period July 1, 2017 through March 31, 2019.

1 **B. Capital Projects Placed In Service Between April 1, 2019 and June**
2 **30, 2019**

3 **Q. What topic do you discuss in this subsection of your testimony?**

4 A. I discuss SPS's capital additions, including estimated affiliate charges, closed to
5 plant-in-service during the Update Period, April 1, 2019 through June 30, 2019, as
6 provided in Attachment MPM-RR-5. These amounts are estimates of the dollars
7 placed in service during the Update Period, but as Mr. Grant explains, SPS will
8 update Attachment MPM-RR-5 with actual costs 45 days after SPS files its
9 Application.

10 **Q. What is the total estimated cost of capital projects planned to be placed in**
11 **service between April 1, 2019 and June 30, 2019?**

12 A. As shown on Attachment MPM-RR-5, the total estimated cost is \$951,299,705 (total
13 company), which includes estimated total affiliate costs of \$63,778,601. Because
14 SPS does not forecast affiliate charges separately, these amounts were estimated by
15 applying the historical percentages of affiliate costs related to each asset class to the
16 total amount of capital additions for each class. These calculations are shown on
17 Attachment MPM-RR-5.

18 **Q. What is the basis for the estimate for capital costs during this period?**

19 A. The estimated costs were taken from the SPS capital budgets. SPS witness Adam
20 Dietenberger discusses the capital budgeting process used to derive the estimated
21 costs of capital additions for the time period. The budget reflected actual amounts
22 closed through March 2019 and forecasted activity for the remaining months. The

1 total budgeted ending plant balances as of June 30, 2019 were used to determine the
2 Update Period rate base amounts.

3 **Q. What types of plant-related costs are included with the capital additions placed**
4 **in service during the Update Period?**

5 A. The plant-related expenses that are included in these capital additions are book
6 depreciation, tax depreciation and deductions, and annual deferred taxes.
7 Accumulated book depreciation and accumulated deferred tax balances are also
8 included in the calculation of the plant-related expenses. These costs have been
9 calculated on the same basis as those used in the period from April 1, 2018 through
10 March 31, 2019. Attachment MPM-RR-6 shows the capital expenditures associated
11 with the installation of new assets between July 1, 2017 and June 30, 2019 by
12 functional class and converts them into plant additions based on the in-service date
13 of the asset. These costs reflect the entire cost necessary to put the assets in use,
14 excluding AFUDC, which is added by SPS's Capital Asset Accounting group when
15 it calculates the plant-related expenses. The capital expenditures are forecasted in
16 total and are not forecasted in the specific cost components that are available with the
17 actual charges. Thus, any cost component expected to occur with the actual charges
18 is assumed to be included within this total capital expenditure forecast.

19 **Q. How are you involved in the development of the capital additions amounts for**
20 **the period from April 1, 2019 through June 30, 2019?**

21 A. My department, Capital Asset Accounting, is responsible for all aspects of the fixed-
22 asset accounting for SPS. Based on the capital expenditures forecasted by the

1 business area witnesses, my department has developed and provided the information
2 regarding plant balances and plant-related information based on SPS capital budgets,
3 and that information has been used in the rate base and revenue requirement analyses
4 for the period from April 1, 2019 through June 30, 2019 as presented in Mr. Freitas's
5 direct testimony.

6 **Q. Does SPS have any other plant-related adjustments?**

7 A. Yes. SPS adjusted plant balances and related depreciation related to FERC Account
8 371, *Installations on Customer Premises*, and FERC Account 373, *Street Lights*. In
9 2018, SPS inadvertently retired or transferred the majority of assets in FERC
10 Account 371. The adjustment was made to correct those erroneous transactions.

11 **C. Affiliate Charges in Capital Additions**

12 **Q. Earlier, you stated that a portion of SPS's requested capital additions reflects**
13 **affiliate charges. What regulatory standard did SPS use in preparing its direct**
14 **case on affiliate transactions?**

15 A. PURA § 36.058 and *Railroad Commission of Texas v. Rio Grande Gas Company*² set
16 out the requirements for the recovery of charges from an affiliate to a regulated
17 utility. These requirements govern SPS's ability to recover charges from any of
18 SPS's affiliates (including XES and the other Operating Companies) to SPS. To
19 recover affiliate charges, SPS has to present affiliate costs by individual "item or
20 class of items" (affiliate classes). There is no presumption that affiliate charges are

² 683 S.W.2d 783 (Tex. App. – Austin 1984, no writ).

1 reasonable for ratemaking purposes. Instead, affiliate charges are presumed to be
2 unreasonable.

3 To recover affiliate costs, SPS has to prove three facts:

- 4 1. the services provided by the affiliate, and the costs of those services,
5 are necessary;
- 6 2. the services provided by the affiliate, and the costs of those services,
7 are reasonable;³ and
- 8 3. each charge from SPS's affiliates (e.g., PSCo) for these services is no
9 higher than the charge by those affiliates to any other entity for the
10 same or similar service.

11 My testimony will establish that SPS meets this regulatory standard. Mr.
12 Dietenberger also explains that SPS's operation and maintenance affiliate charges
13 satisfy the relevant regulatory standards.

14 **Q. Please describe the affiliate costs included in capital additions.**

15 A. Affiliate costs included in capital additions are those costs charged either by XES or
16 another Operating Company to an SPS-specific capital work order for construction of
17 an asset owned and utilized entirely by SPS where the construction has been closed
18 to plant-in-service before the end of the Test Year. The terms "affiliate cost" and
19 "XES charge" are synonymous in this discussion and are defined to include costs
20 from all Xcel Energy legal entities other than SPS. Lastly, "capital additions" and
21 "plant additions" are the same, and along with "CWIP closings to plant-in-service,"

³ Unreasonable expenses are the types of expenses described in PURA § 36.062 and 16 Tex. Admin. Code § 25.231(b)(2): lobbying, including lobby costs embedded within trade association dues; political contributions; expenditures promoting religious causes; dues for country clubs, social or recreational clubs, or fraternal or religious organizations; funds to promote the increased consumption of electricity; costs to process refunds or bill credits; civil or criminal penalties or fines; payments, other than those made under an insurance or risk sharing arrangement before the date of loss, to cover accidents, equipment failure, or negligence at an electric utility facility owned by an entity not selling power within the State of Texas; and a catch-all of

1 represent the two sides to an accounting transaction that moves the finished asset
2 from CWIP to plant.

3 **Q. Is it possible to derive this information from the information submitted with**
4 **your direct testimony?**

5 A. Yes. For capital additions from July 1, 2017 through March 31, 2019, the
6 information is first presented in Attachment MPM-RR-4(V) showing the total
7 affiliate costs included in plant-in-service for the defined period. The affiliate costs
8 came from either an XES charge (Column I) or another Operating Company
9 (Column J). A third column was provided totaling the affiliate charges per work
10 order (Column K). The charges are those that were part of the amount closed to
11 plant-in-service in the given period, such that the charges were part of rate base. As
12 with all construction that was in process before April 1, 2019, the affiliate costs
13 included in Attachment MPM-RR-4(V) incorporated any charges that were part of
14 construction prior to April 1, 2019, but became used and useful plant within the
15 period July 1, 2017 through March 31, 2019.

16 Attachment MPM-RR-5 shows the estimated plant additions placed in service
17 during the period of April 1, 2019 through June 30, 2019, and includes a calculated
18 amount for affiliate costs based upon the historic percentages for each type of plant
19 (i.e., Production, Transmission, Distribution, and General). SPS will provide final
20 actual costs, including affiliate costs, in the 45-day case update filing.

expenditures found by the Commission to be unreasonable, unnecessary, or not in the public interest.

1 **Q. Can you give an example of an affiliate cost in a construction work order?**

2 A. Yes. For example, if an XES employee worked one hour on a construction project
3 and an SPS employee worked one hour on the same project, there would be two labor
4 hours charged. Assuming both employees have a labor rate of \$25 per hour, the
5 work order would contain \$50 in labor. After adding \$100 of materials purchased by
6 the SPS employee and installed, the work order total would be \$150. Assuming the
7 work order was closed to plant-in-service by March 31, 2019 or during the Update
8 Period, the charges would be part of rate base. Thus, \$150 would be in rate base in
9 this case and \$25 of this \$150 total would be the affiliate costs included in rate base.

10 **Q. Have you provided a summary of the information provided in Attachment**
11 **MPM-RR-4(V)?**

12 A. Yes. The information from Attachment MPM-RR-4(V) has been compressed to
13 show a summary by asset class of the work orders that closed to plant-in-service
14 during the period from July 1, 2017 through March 31, 2019. This summarized
15 worksheet is provided on the first page in Attachment MPM-RR-4(V). The summary
16 worksheet labeled “Summary by Asset Class” shows total plant additions for all
17 work orders, whether or not they had affiliate charges. The summary for all work
18 orders that became part of rate base for the period mentioned above are also
19 summarized in the following table:

1

Table MPM-RR-3
Capital Additions in Rate Base
July 1, 2017 through March 31, 2019
(Total Company)

	Affiliate Costs	Native Costs	Total Costs
Production	\$4,804,146	\$55,701,993	\$60,506,139
Transmission	7,788,012	441,970,937	449,758,949
Distribution	408,554	156,358,356	156,766,910
General	3,635,367	74,150,784	77,786,151
Software	38,701,216	7,754,095	46,455,311
Total	\$55,337,295	\$735,936,165	\$791,273,460

2

The discussion on the appropriateness of the inclusion of affiliate costs in rate

3

base from capital additions placed in service during the period July 1, 2017 through

4

March 30, 2019, centers on the \$55,337,295 shown above.

5

Q. Please explain the cost components for the affiliate charges to construction.

6

A. Attachment MPM-RR-7 provides a further breakdown of the affiliate costs into

7

various cost components. These cost components are standard construction costs,

8

such as direct costs for labor and materials, and support costs, such as equipment and

9

other related expenses. The following table shows the cost breakdown for the

10

affiliate costs separated into the software work orders and non-software work orders.

1

Table MPM-RR-4

**Cost Component Breakdown of Affiliate Costs in Plant Additions
from July 1, 2017 through March 31, 2019**

(Total Company \$)

	Software Work Orders	All Other Work Orders	Total Work Orders
Contract Work	\$25,170,801	\$5,199,100	\$30,369,901
Materials and Supplies	56,059	48,876	104,936
Labor	4,540,481	9,425,044	13,965,525
Other	8,933,875	1,963,058	10,896,934
Total	\$38,701,216	\$16,636,079	\$55,337,295

2

The pie chart below summarizes this data for the total affiliate costs included

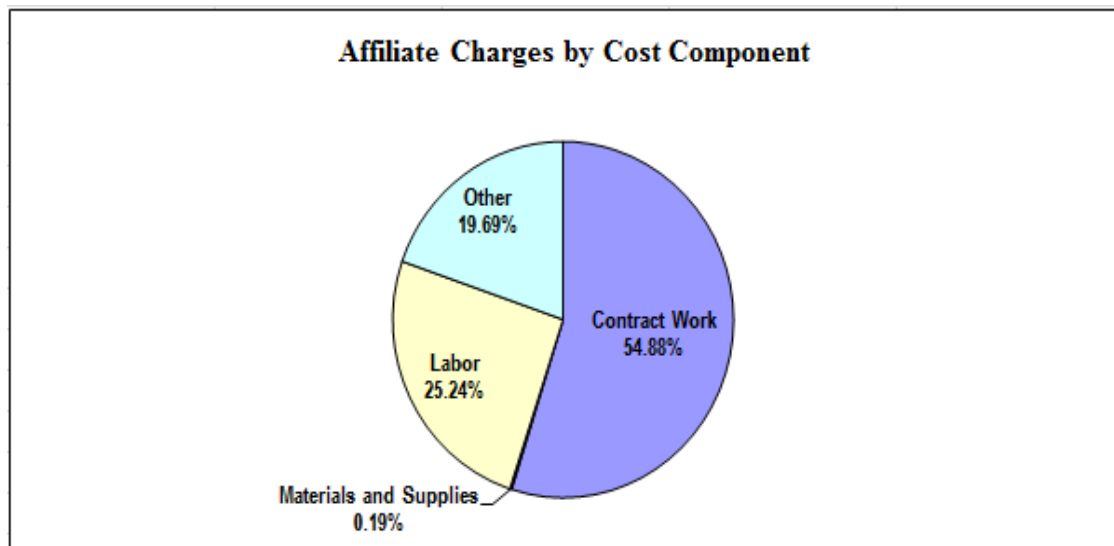
3

in plant additions. As the chart shows, 80.3% of the costs are contained in three cost

4

categories: Contract Work, Labor, and Materials and Supplies.

5

Chart MPM-RR-1

6

1 **Q. Please define each of the cost components.**

2 A. The definitions are based on the FERC Uniform System of Accounts, in the Electric
3 Plant Instructions, Section 3, Components of Construction Cost.⁴ The charges
4 contained in Attachment MPM-RR-4(V) are further divided into the object accounts
5 that were used when recording costs in the accounting systems, which facilitated the
6 breakdown of cost components as shown in Attachment MPM-RR-7. A listing of the
7 object accounts that were used to recognize affiliate charges is provided in
8 Attachment MPM-RR-8. The object accounts listed in Attachment MPM-RR-8 have
9 been grouped by the FERC Cost Component categories used in Attachment
10 MPM-RR-7.

11 **Q. Please explain the costs designated as “Contract Work” provided in Attachment**
12 **MPM-RR-8.**

13 A. The largest of the affiliate cost components, totaling \$30,369,901 and representing
14 54.9% of total affiliate charges, is Contract Work. The contract work being done and
15 charged through XES is directly related to various contracts that were entered into on
16 behalf of the Operating Companies, including SPS. These costs can relate to all
17 aspects of construction, but most often are related to the labor component of
18 construction. About 82.9% of the contract work was related to the development of
19 software (totaling \$25,170,801).

⁴ 18 CFR Part 101, *Electric Plant Instruction No. 3, Components of Construction Cost* (2017).

1 **Q. Please explain the costs designated as “Labor” provided in Attachment**
2 **MPM-RR-8.**

3 A. The Labor category includes costs for services provided to SPS by XES employees.
4 Services provided by an outside vendor hired by XES are recognized in contract
5 work. The labor cost component includes the direct time spent by SPS employees on
6 construction work and any associated labor costs for XES employees for specific
7 SPS construction projects.

8 The employee will record the time spent on a particular work order in the
9 time system. The rate charged to the work order is based on the hourly cost of this
10 employee, including all loadings applicable to this employee. The typical loadings
11 are pension, insurance, payroll taxes, incentive, injuries and damages, and non-
12 productive time. If the employee incurs overtime pay during the work on this
13 construction project, that also is included. Labor costs, totaling \$13,965,525,
14 represent 25.2% of total affiliate costs. Approximately 32.5% of these costs are
15 related to the development of software.

16 **Q. Please explain the costs designated as “Materials and Supplies” provided in**
17 **Attachment MPM-RR-8.**

18 A. The material and supplies contained in the affiliate charges include items purchased
19 by an XES employee for a specific SPS construction project. The Materials and
20 Supplies component totals \$104,936 and represents 0.2% of total affiliate charges.
21 This typically includes minor items used in construction. Larger material purchases
22 (i.e., steel towers, concrete, conductor, and poles) are bought directly by SPS and not
23 through XES.

1 **Q. Are there any other cost components within the affiliate charges?**

2 A. Yes. There are additional cost components, characterized as “Other” in Attachment
3 MPM-RR-8. This group includes all other cost components not captured in the other
4 designations previously discussed, and includes charges such as rent, overheads,
5 transportation, insurance, and construction reimbursements. In total, these other cost
6 components total \$10,896,934, which collectively represent 19.7% of the total
7 affiliate costs. These costs follow the same processing as the other cost components.

8 **Q. How were these affiliate cost components billed to SPS?**

9 A. The construction affiliate charges were assigned in two direct manners: (1) costs
10 charged directly to the SPS work order; or (2) costs charged directly to a work order
11 that is further allocated to SPS. Of the total affiliate construction charges, 30.0% are
12 directly charged to an SPS construction work order when incurred. The costs
13 directly assigned to a construction project and then apportioned to the SPS work
14 order are those costs for construction-related software, which represent 70% of the
15 affiliate costs (this process is described later in my testimony.) Furthermore, there
16 are overhead costs that are allocated from a clearing work order, but even these are
17 direct charged to an SPS general work order and then spread among SPS-specific
18 work orders. Overhead costs are also discussed later in my testimony.

19 **Q. Are the capitalized affiliate charges provided at cost?**

20 A. Yes. XES and SPS’s other affiliates provide their services at cost. There is no
21 component for profit in the capitalized affiliate charges. Additionally, the charges
22 from XES and SPS’s other affiliate are at the same price per unit as the charges made
23 to the other Xcel Energy affiliates for the same services.

1 **Q. Are the capitalized affiliate charges reasonable and necessary?**

2 A. As further explained by the other SPS witnesses supporting capital additions and the
3 associated affiliate charges for the separate functional areas, the affiliate charges are
4 reasonable and necessary for SPS's continued operations. The services provided by
5 XES and the other affiliates allow for the efficient and quality construction of SPS's
6 capital projects.

7 **D. Software Construction**

8 **Q. How have software work orders been included in the list of capital additions?**

9 A. The costs included in rate base related to the construction of software from July 1,
10 2017 through March 31, 2019 are separated in Attachment MPM-RR-4(V). The
11 software work orders are included in the "General" line when discussing plant assets.
12 I have split this "General" category into software and Other General Plant assets.
13 The General Plant category was separated so that it was evident that capitalized
14 software costs were included in the information provided. Capitalized software
15 includes all the systems SPS uses to run its business, including the accounting
16 general ledger system.

17 **Q. Are affiliate costs for software direct-assigned to the SPS work orders?**

18 A. In general, no. For the vast majority of software projects, affiliate costs are allocated
19 each month from a special allocating work order to each of the four Operating
20 Companies, including SPS. Each software project is given an allocating work order
21 (five-digit work order). Charges recognized each month are allocated to the
22 Operating Company's construction work order based on predetermined percentages.
23 A similar process is followed to develop the forecasted plant additions included in

1 the Update Period. Allocation percentages are applied to the total forecasted
2 software project costs to calculate the total software addition to include in the
3 forecast for SPS.

4 **Q. Please explain further how costs related to software construction are charged to**
5 **SPS work orders.**

6 A. Software is an intangible asset and, as such, is the only asset that is broken down into
7 each owner's fractional share in the construction process. These costs represent the
8 only fixed asset where a percentage of the total installation is placed on each
9 operating company's books. This is accomplished through a controlled and
10 systematic process. Costs are directly charged on the invoice or other source
11 document to the affiliate or affiliates benefiting from the service whenever possible.
12 If costs cannot be directly charged, then the costs are charged to a XES indirect work
13 order that will assign the costs using a cost-causative method to the affiliates
14 benefiting from the software system application or service. For costs that can be
15 identified as benefiting a particular business area, those services would be charged to
16 a XES indirect work order using the approved allocation factor for that business area.

17 The five-digit work orders are similar to the indirect work orders, except at
18 the end of the process, SPS will own and control an asset. The steps followed are
19 outlined below:

- 20 1. Before the costs are first recognized, a five digit work order is set up with all
21 of the associated construction internal orders, where all the costs will
22 ultimately reside.
- 23 2. The five-digit work order is assigned allocation percentages for each
24 Operating Company based on the use of the software system.

- 1 3. An XES employee enters the cost into the work management system, the
2 time system, or the general ledger using the five-digit work order.
- 3 4. The employee uses the XES company code of “50.”
- 4 5. Before the XES billing routine can be done, an allocating routine takes all
5 charges in the five-digit work order and assigns costs based on the allocation
6 table that was established when the five-digit work order was created.
- 7 6. At the end of each month, these charges are sent through the XES billing
8 routine.
- 9 7. The entry with a construction work order and a capital object account are
10 processed simply by changing the company code from “50” (for XES) to
11 “13” (for SPS).
- 12 8. A bill is created that charges the cost of this work from XES to SPS.

13 **Q. How are the allocations established for the five-digit work orders?**

14 A. As stated earlier, each allocation table is established based on the nature and use of
15 the software system. Attachment MPM-RR-10 provides an example of the allocation
16 process by showing an allocation table for two hypothetical charges to the PowerPlan
17 upgrade project. The allocation percentage for this example and all the other
18 five-digit work orders related to software is provided in Attachment MPM-RR-9.
19 The apportionment methods are selected to reflect the underlying utilization of the
20 system that is being allocated.

21 **Q. Please explain the costs designated as “software purchases” included within**
22 **Materials and Supplies provided in Attachment MPM-RR-4(V)?**

23 A. There is no physical material associated with software. The main components of
24 software are the software programs for the system being used and the labor
25 associated with putting those programs into productive use based on the user’s
26 specific requirements. The programs are licensed from the specific vendor that is

1 chosen. For example, the cost to license and use the programs of the Integrated
2 Energy Management System is the material cost of the software. Some software
3 publishers will provide tangible items such as user and technical manuals and CDs or
4 other media containing the programs, but other software publishers will
5 electronically transmit manuals and the programs rather than provide tangible media.

6 In either situation, however, the cost associated with the software is the license to
7 use the software.

8 **Q. How were these software purchase costs billed to SPS?**

9 A. XES uses the same method for charging a construction project as an SPS employee
10 uses (i.e., the employee directly assigns the cost to the SPS work order). To facilitate
11 the accumulation of construction costs for software, an allocation of the direct costs
12 is performed monthly based on pre-determined factors directly relating to the use of
13 the asset. This allocation is not the same as a dynamic allocator that changes as the
14 underlying factors evolve.

15 For example, consider a situation where, at the end of the construction period,
16 SPS owns a software asset that will be used to bill customers for electric service.
17 The construction dollars assigned to SPS would be based on the number of meters
18 SPS had when the allocating factors were set. The asset on SPS's books does not
19 change throughout time as the ratio of its meters to the total dollar allocation changes
20 from one year to the next. This systematic, consistent method of assignment of asset
21 costs in a manner that appropriately reflects the use of the ultimate asset is both
22 reasonable and equitable. The total dollar value charged to SPS may be higher or
23 lower than the total charged to a sister company (based on the different number of

1 customers or meters in each), but the per unit cost basis (i.e., the cost per customer or
2 cost per meter) is, under the process described, the same for all affiliates.

3 **Q. Are the charges from XES to SPS included within capitalized costs no higher**
4 **than the charges from XES to SPS's affiliates during the same period of time for**
5 **the same or similar service?**

6 A. Yes. Attachment MPM-RR-9 has documentation for all the five-digit work orders
7 for the period July 1, 2017 through March 31, 2019. This documentation contains
8 the SPS construction work orders that are also shown in Attachment MPM-RR-4(V),
9 as well as the allocation percentages for all Operating Companies including SPS.
10 Attachment MPM-RR-10 provides an example of this apportionment from five-digit
11 work orders to construction work orders.

12 **E. Overhead Construction Costs**

13 **Q. Do the capital additions costs presented in Attachments MPM-RR-4(V) and**
14 **MPM-RR-5 include overhead costs?**

15 A. Yes. Overhead costs are part of the cost of capital additions. Overhead construction
16 costs are reflected in capital work orders.

17 **Q. Please describe overhead construction costs work orders.**

18 A. The FERC Uniform System of Accounts describes overhead construction costs as
19 follows:⁵

⁵ 18 CFR Part 101, *Electric Plant Instruction No. 4, Overhead Construction Costs*, ¶A (2015).

1 Overhead Construction Costs

2 All overhead construction costs, such as engineering, supervision,
3 general office salaries and expenses, construction engineering and
4 supervision by others than the accounting utility, law expenses,
5 insurance, injuries and damages, relief and pensions, taxes and
6 interest, shall be charge to particular jobs or units on the basis of the
7 amounts of such overheads reasonably applicable thereto, to the end
8 that each job or unit shall bear its equitable proportion of such costs
9 and that the entire cost of the unit, both direct and overhead, shall be
10 deducted from the plant accounts at the time the property is retired.

11 The main overhead is Engineering and Supervision (“E&S”). The other
12 overhead cost that SPS reflects in capital work orders is Administrative and General
13 (“A&G”). The overhead process is used to efficiently assign costs to construction
14 for engineering, supervision, and central office departments to the various work
15 orders for the many jobs being done each day.

16 **Q. Please describe the E&S overhead work orders.**

17 A. This overhead cost, which is applied to each work order, reflects general engineering
18 and supervision costs that support construction activities. SPS’s Construction
19 Overhead Procedures (provided in SPS’s RFP Schedule C-5), describes the E&S
20 charges as follows:

21 Engineering & Supervision

22 Engineering and Supervision costs are capitalized as construction
23 overheads. Where it is not practicable to direct charge the pay and
24 expenses of the engineers, surveyors, draftsmen, inspectors, first line
25 management, and their assistants to construction, the Company uses
26 an overhead to achieve this task. These costs are gathered in a
27 general overhead pool and first split between capital, operating, and
28 maintenance based on the direct charges for each of these categories.
29 The capital construction amount then is allocated to each work order
30 appropriately based on current month charges. The E&S charges are
31 gathered separately by functional class (production, transmission, and
32 distribution) to further define the allocation.

1 For SPS, there are three E&S overhead work orders—one each for
2 Production, Transmission, and Distribution.

3 The average E&S rate during the Test Year for Distribution Lines was
4 32.94%, and by the nature of construction, many small jobs use the E&S mechanism
5 the most. For Transmission Lines, the average E&S rate was 4.20% in the Test Year.
6 Production uses the E&S overhead mechanism the least, with an average rate of
7 2.78% in the Test Year. These rates represent the total expected costs that will be
8 gathered in the E&S account in a year relative to the total construction where E&S
9 will be charged for the same period. The more often that a business area uses this
10 mechanism, the more that is allocated, which also raises the average rate.

11 For example, consider a situation where an SPS Transmission engineer works
12 on 100 different transmission line jobs within a month. This engineer would charge
13 time to the Transmission Line E&S overhead pool for that transmission line work.
14 At the end of the month, all Transmission Line jobs that were slated to receive
15 charges from the Transmission Line E&S pool would get a percentage based on the
16 current month's charges.

17 **Q. Please describe the A&G overhead work orders.**

18 A. These charges ensure the proper assignment of the central office costs to each work
19 order. SPS's Construction Overhead Procedures (provided in SPS's RFP Schedule
20 C-5), describes the A&G charges as follows:

21 Administrative & General (A&G)

22 Administrative and General costs are capitalized as construction
23 overheads. The overhead relates to all the personnel in the
24 administrative office that work on construction to assure its continued
25 operation, but are not direct to any one project. A prime example is
26 the payroll analyst to assure the construction labor receives its payroll

1 checks. It is inefficient for these employees to direct charge all the
2 work orders and thus an overhead is used.

3 Every other year, the Company performs an A&G study that reviews
4 the time employees in certain administrative departments spend on
5 capital work. The percent of payroll for these employees is charged
6 to an overhead pool, one-twelfth each month. The overhead pool is
7 allocated to each work order based on current month charges.

8 For SPS, there is one A&G overhead work order for all construction. The
9 average A&G rate for the Test Year was 0.05%. The departments that participate in
10 the A&G study and that are allowed to charge through this mechanism are: (1) all
11 accounting departments that deal with construction (such as accounts receivable,
12 accounts payable, and capital asset accounting); (2) all human resource departments
13 that deal with the labor force (such as payroll and benefits); and (3) the legal
14 department. Thus, for every \$100 in new construction charges, five cents is added
15 for the supporting central office departments.

16 **Q. Do these overhead work orders have affiliate costs in them?**

17 A. Yes. The E&S overhead work orders accumulate costs from SPS and XES
18 personnel. The A&G overhead work orders accumulate costs from XES personnel
19 who have participated in the semi-annual study and who have identified that some of
20 their time is spent in support of construction. The semi-annual study determines a
21 fixed amount of costs related to the central office departments and direct assigns a
22 portion to SPS's overhead pool each month. These overhead charges from XES to
23 SPS are priced in a fair manner because the charges reflect XES's cost of providing
24 the service, and because XES charges SPS no more for services than it charges other
25 entities for those services.

- 1 **Q.** **Should these overhead costs be included in rate base in this case?**
- 2 A. Yes. Although a clearing work order was used to gather costs common to
- 3 construction and facilitate an efficient assignment of these costs to the assets being
- 4 constructed, the overhead costs are appropriate costs of the asset.

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V. DEPRECIATION AND ADIT ISSUES

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

A. In this section of my testimony, I discuss SPS’s requested depreciation expense based on the depreciation rates and amortization periods approved in Docket Nos. 43695, 46936, and 47527. I also introduce depreciation rates to reflect the in-servicing of the Hale Wind Project. Finally, I address the method that SPS proposes in this case to reflect the combined effect of state and federal tax burdens on the ADIT balances for the plant assets included in this case.

Q. Is any other witness addressing depreciation rates or depreciation expense?

A. Yes. SPS witness Dane A. Watson is providing testimony supporting the new proposed depreciation and amortization rates.

A. Depreciation

Q. Is SPS presenting a new depreciation study in this proceeding?

A. Yes. SPS hired Alliance Consulting Group (“Alliance”) to prepare a depreciation study. The depreciation study produced by Alliance (which includes an in-depth discussion of depreciation analytics and a further explanation of the theoretical reserve) is provided as Attachment DAW-RR-2 to the direct testimony of Mr. Watson.

SPS also hired Burns & McDonnell (“B&M”) to prepare a dismantling study, which estimates the final removal cost for a facility. That removal cost estimate is used to develop the net salvage component of the proposed depreciation rate. B&M’s dismantling study is a site-specific and comprehensive estimate of the

1 dismantling costs, including an estimate of residual salvage value, for all SPS
2 generating units. The dismantling study produced by B&M is provided as
3 Attachment JTK-2 to the direct testimony of SPS witness Jeffrey T. Kopp.

4 **Q. How do the depreciation and dismantling study fit together?**

5 A. A depreciation study is performed to determine a depreciation rate that is sufficient
6 to recover both the original investment in the asset and the estimated cost to
7 dismantle and remove the asset. The total amount necessary to recover the
8 remaining investment and the removal costs is then spread over the average
9 remaining lives of the assets.

10 **Q. Is the depreciation expense requested in this case the same as it was in prior**
11 **cases?**

12 A. No. The amount of depreciation and amortization expense has changed because SPS
13 has placed additional plant in service compared to prior cases and are incorporating
14 new depreciation and amortization rates. Table MPM-RR-5 (next page) shows the
15 total company increase in depreciation and amortization expense attributable to
16 capital additions for the period from July 1, 2017 through March 31, 2019, as well as
17 the increase in depreciation and amortization expense attributable to projected capital
18 additions during the Update Period. It also shows the increase in depreciation and
19 amortization expense attributable to the development of new depreciation and
20 amortization rates.

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Table MPM-RR-5

	Depreciation and Amortization Expense Increase/(Decrease) Due to Change in Depreciable Plant July 1, 2017 – Mar. 31, 2019*	Depreciation and Amortization Expense Increase Due to Change in Depreciable Plant Apr. 1, 2019 – Jun. 30, 2019*	Depreciation and Amortization Expense Increase Due to Updated Depreciation and Amortization Rates Jul. 1, 2017 – Jun. 30, 2019*	Total Depreciation and Amortization Increase by Function
Steam Production	\$1,074,465	\$682,095	\$40,168,374	\$41,924,934
Other Production	(59,339)	23,398,861	5,223,021	28,562,543
Transmission	9,296,593	4,375,622	16,606,962	30,279,177
Distribution – Texas Assets	1,982,143	428,401	1,918,173	4,328,717
Distribution – New Mexico Assets	1,356,712	173,538	1,119,004	2,649,254
General	3,935,329	1,995,289	(825,202)	5,105,416
Intangible	2,946,811	543,042	2,309	3,492,162
Total Increase	\$20,532,714	\$31,596,848	\$64,212,641	\$116,342,203

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*Amounts presented in Table MPM-RR-5 differ from the Update Period depreciation expense adjustments per Table APF-RR-9 in the Direct Testimony of Arthur P. Freitas due to capitalized depreciation expense for transportation equipment.

3

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Q. Does the depreciation study reflect any changes in the retirement dates used for calculating the remaining life for generation units?

6

A. Yes. As explained in more detail by Mr. Grant, SPS is proposing in this case to abandon a portion of the Tolk Generating Station (“Tolk”) in 2032 because of groundwater shortages at that station. Consistent with that request, SPS asked Mr. Watson to establish depreciation rates for certain Tolk assets consistent with the revised service lives of those assets.

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11

1 **Q. How will changing the service lives of assets at Tolk affect depreciation**
2 **expense?**

3 A. Shortening the services lives of the assets will increase the depreciation expense for
4 the assets at that facility by \$10,116,342 (total company).

5 **Q. Does the depreciation study reflect any assets for which an initial approval of**
6 **depreciation rates is being requested?**

7 A. Yes. SPS is seeking initial approval of a 4.07% depreciation rate for the Hale Wind
8 Project, a 478-megawatt wind generating facility placed in service in June 2019.
9 The rates are based on a 25-year service life and a 1.71% negative net salvage value.

10 Additionally, SPS is requesting approval for miscellaneous computer
11 software assets used to support base systems. There are currently no assets in this
12 group. The depreciation study is recommending a life of 7 years and an annual
13 amortization rate of 14.29% for these assets.

14 **B. Developing a Texas-Only Balance of Accumulated Depreciation**

15 **Q. What is the relationship between depreciation rates and the balance of**
16 **accumulated depreciation?**

17 A. The higher the depreciation rate, the faster the balance of accumulated depreciation
18 grows. (Accumulated depreciation is also referred to as the depreciation reserve.)
19 Thus, if the depreciation rate for an asset is, for example, 4%, there will be more
20 accumulated depreciation over time than if the depreciation rate were 2.5%.

21 **Q. Are all rate-setting jurisdictions required to set the same depreciation rates?**

22 A. No. Each jurisdiction sets its own depreciation rates for assets or classes of assets.
23 Thus, a utility operating in several jurisdictions, as SPS does, can have a different

1 depreciation rate in each jurisdiction for the same asset. Consequently, the
2 accumulated depreciation balance will be different in each jurisdiction.

3 **Q. Please explain what you mean by a “blended” depreciation reserve?**

4 A. The financial depreciation reserve shown on SPS’s financial books is a blend of all
5 of the jurisdictional depreciation rates weighted by the jurisdictional allocators for
6 the applicable time period. Suppose, for example, that SPS had the following
7 depreciation rates and jurisdictional allocators for a particular FERC account during
8 the period in question:

9 **Table MPM-RR-6**

Sample Calculation of Blended Depreciation Rate			
Jurisdiction	Jurisdictional Depreciation Rate	Jurisdictional Allocator	Blended Depreciation Rate
Texas Retail	1.8400%	52.396%	.9641%
FERC Wholesale	1.8840%	28.375%	.5345%
New Mexico Retail	2.1116%	19.229%	.4060%
Blended Financial			1.9047%

10 In this example, the blended depreciation rate for this period would be 1.9047%.

11 **Q. Using the example in Table MPM-RR-6, should rates be set using the 1.9047%**
12 **blended jurisdictional allocator for this FERC account?**

13 A. No. Although blending is necessary to derive a single depreciation reserve number
14 for financial reporting purposes, using that number for ratemaking purposes would
15 give jurisdictions with low depreciation rates credit for more depreciation than the
16 customers in those jurisdictions have paid for through rates. Conversely, it would
17 give customers in jurisdictions with high depreciation rates credit for less

1 depreciation than they have paid for through rates. In the particular example set
2 forth in Table MPM-RR-6, using the reserve amount calculated using a blended
3 depreciation rate would give Texas and FERC customers credit for more depreciation
4 than they have paid for in prior rates, and it would give New Mexico customers
5 credit for less depreciation than they have paid for in prior rates. Because the
6 depreciation reserve is an offset to rate base, using a blended depreciation reserve
7 would cause the Texas and FERC rate bases to be too low and the New Mexico rate
8 base to be too high.

9 **Q. How can the utility avoid giving too much or too little depreciation credit to the**
10 **various jurisdictions for ratemaking purposes?**

11 A. The utility can avoid that problem by unblending the financial depreciation reserve to
12 reflect each jurisdiction's depreciation reserve. That is what SPS has done in this
13 case.

14 **Q. Is this a new approach to determining the depreciation reserve in a rate case?**

15 A. No. SPS used this approach to determine its proposed accumulated depreciation in
16 its last seven base rate cases: Docket Nos. 35763, 38147, 40824, 42004, 43695,
17 45524, and 47527. Further, SPS has used this approach to determine its proposed
18 accumulated depreciation in the New Mexico Public Regulation Commission also
19 has approved the unblending of SPS's accumulated depreciation,⁶ and FERC has
20 directed SPS to use this approach in wholesale rate cases.

⁶ *In the Matter of Southwestern Public Service Company's Application for Revision of Its Retail Electric Rates Pursuant to Advice Notice Nos. 208 and 209 and All Associated Approvals*, Case No. 07-00319-UT (Aug. 26, 2008); *In the Matter of Southwestern Public Service Company's Application for*

1 **Q. Please explain how SPS unblended the financial depreciation reserve to achieve**
2 **a Texas-only depreciation reserve.**

3 A. SPS started with the financial depreciation reserve and calculated an adjustment to
4 produce a depreciation reserve, at a total company level, assuming all three
5 jurisdictions used the Commission-approved depreciation rates. In other words, SPS
6 recalculated what the total company depreciation reserve would be if all three
7 jurisdictions always used the same depreciation rates as those set by the Commission.
8 The unblending adjustment decreased the financial depreciation reserve by
9 \$102,422,849 as of March 31, 2019, and it resulted in an incremental increase of
10 \$9,537,078 for the Update Period. Given that this adjustment resulted in a total
11 company depreciation reserve for the Texas jurisdiction, the standard jurisdictional
12 allocation on rate base could be performed to arrive at the proper return on rate base.
13 The details of the calculation are provided as Attachment MPM-RR-2.

14 I refer to my adjustment as “unblending” the depreciation reserve, in the
15 sense that I have taken the financial depreciation reserve (i.e., the depreciation
16 reserve shown on SPS’s financial books), which reflects a blend of the depreciation
17 rates from SPS’s three jurisdictions, and have adjusted, or restated, the balance to be
18 a total company depreciation reserve as if each jurisdiction had used the depreciation
19 rates approved by their Commission. Applying the current jurisdictional rates to
20 each jurisdiction’s total company reserve should result in the financial reserve. The
21 method that SPS uses to unblend the jurisdictional reserve assures that the
22 accumulated financial reserve is fully assigned among the three jurisdictions.

Revision of its Retail Rates Under Advice Notice No. 245, Case No. 12-00350-UT (Mar. 26, 2014).

1 **C. Plant Deferred Taxes for Texas Ratemaking**

2 **Q. What are deferred taxes?**

3 A. Deferred taxes represent the difference between a utility's tax liability using book
4 depreciation rates and its tax liability using tax depreciation rates.⁷ For ratemaking
5 and accounting purposes, depreciation expense is recorded on a straight-line basis,
6 whereas depreciation expense is typically accelerated for tax purposes. Thus, in the
7 early years of an asset's service life, the utility records more depreciation expense for
8 tax purposes than it does for book purposes. This timing difference is then
9 multiplied by the current tax rate to determine the current deferred tax, which is
10 added to the previously accumulated differences to create the ADIT balance.
11 Because depreciation is an expense that reduces taxable income, accelerating
12 depreciation expense reduces the utility's taxable income relative to what it would
13 have been in the absence of accelerated depreciation.

14 **Q. Does SPS currently have a significant ADIT balance?**

15 A. Yes. The method generally used to calculate federal tax depreciation deductions is
16 the Modified Accelerated Cost Recovery System ("MACRS"), which is a form of
17 accelerated depreciation. At various times in recent years, however, Congress has
18 enacted laws to spur investment that have allowed for further acceleration beyond the
19 MACRS method. The various laws enacted have allowed for 30%, 50%, and even
20 100% of the tax asset to be depreciated in the first year, with the remaining
21 investment following the MACRS method (at least for the 30% and 50%
22 accelerations). This additional acceleration over the MACRS method is referred to

⁷ Book-tax timing differences can also arise in non-depreciable FERC accounts. My discussion,

1 as “bonus depreciation.” Because of the bonus depreciation, SPS currently has a
2 large ADIT balance relative to what it would be without bonus depreciation. That
3 balance reduces SPS’s rate base and thus reduces the balance on which SPS earns a
4 return. Part of that ADIT balance is now considered “excess ADIT” as a result of
5 lower tax rates produced by the TCJA of 2017, and that excess ADIT will be
6 returned to customers over the lives of the assets.

7 **Q. What method of calculating ADIT balances has SPS used to prepare the cost of**
8 **service for this rate case?**

9 A. The ADIT balances presented in this rate case represent fully normalized federal and
10 state plant ADIT balances calculated using the Average Rate Assumption Method
11 (“ARAM”). Under this method, deferred taxes are calculated at the current rate, and
12 the deferred taxes flow back at the average of all the current rates used to set up the
13 deferred balance. The calculation occurs for all years in which the tax depreciation
14 (and deductions) is greater than the book depreciation, and it flows back when the
15 reverse occurs.

16 **Q. Why it important for ARAM to flow back evenly over the remaining life of the**
17 **asset?**

18 A. Using ARAM assures that the impact associated with a tax rate change, either an
19 increase or decrease, flows back to customers over the entire remaining life of the
20 particular asset in question. This prevents customers in a single year from being
21 either disproportionately rewarded or punished by the change in tax rates. When a
22 tax rate is decreased, as it is in this case, the overall deferred liability is not

however, focuses on plant accounts that are subject to depreciation and amortization.

1 immediately adjusted downward, reducing the rate base offset of the deferred
2 liability in the current period. ARAM ensures the deferred amounts flow back at
3 consistent established rates.

4 **Q. Is there a deferred tax adjustment associated with the depreciation unblending**
5 **adjustment?**

6 A. Yes. As explained earlier, the ADIT is for the most part a timing difference between
7 the recognition of tax depreciation on an asset versus the recognition of book
8 depreciation on that same asset. The entire asset cost is depreciated for both book
9 and tax purposes over the life of the asset, but the period over which depreciation
10 occurs and the method for calculating depreciation may differ. Tax depreciation uses
11 lives prescribed by the Internal Revenue Service, which are usually shorter than lives
12 approved for book depreciation. Tax depreciation also uses the accelerated recovery
13 methods, such as sum-of-the-year-digits or double-declining-balance method, while
14 the book depreciation calculation is based on the straight-line method. Generally
15 speaking, ADIT is the difference between the net plant for book purposes and the net
16 plant for tax purposes. Therefore, a change to the depreciation reserve to unblend
17 depreciation would affect net plant (original plant cost less depreciation reserve) for
18 the books and subsequently affect the ADIT.

19 Note, however, that the depreciation reserve adjustment discussed earlier
20 relates to assets that were installed and depreciated over many years. When an asset
21 is placed in service, it maintains the year of installation in the tax records and, in
22 turn, the asset is linked to the tax rules in effect for that year. These in-service years

1 are known as tax vintages.⁸ Deferred tax rules have changed over time, and
2 calculating the depreciation adjustment using only the rules in effect today would
3 ignore all the rules still applicable to earlier vintages. Thus, it is not nearly as simple
4 as taking the accumulated depreciation adjustment times the current federal tax rate.

5 In addition, adjustments to ADIT in rate base that do not reflect the amounts
6 on SPS's books could be perceived as not complying with the normalization
7 requirements of the Internal Revenue Code. As such, it is inaccurate to use a simple
8 calculation to unblend the ADIT portion of rate base.

9 In its last several rate cases, SPS has used a method to unblend the ADIT that
10 was designed to greatly minimize any potential normalization violation. The
11 financial ADIT is the appropriate balance based on the Internal Revenue Service
12 normalization rules. That said, the ADIT that is on the financial books should be
13 fully allocated to each jurisdiction to avoid having an over-provision or under-
14 provision of deferred taxes over the lives of the assets.

15 Attachment MPM-RR-3 contains the detailed calculations. The calculation
16 begins with the total company figures for net tax and net book as of March 31, 2019
17 for the Test Year and June 30, 2019 for the Update Period. Each jurisdiction is run
18 parallel to the total company with the unblending accumulated depreciation
19 adjustment affecting each jurisdiction's net book amount.

⁸ SPS has tax vintages dating back to 1951.

1 **Q. Is this the same methodology that SPS filed in its most recent rate case filed**
2 **with the Commission?**

3 A. Yes. SPS has used the same methodology in its last seven base rate cases: Docket
4 Nos. 35763, 38147, 40824, 42004, 43695, 45524, and 47527. In the current case,
5 this methodology was applied to the March 31, 2019 balance for the Test Year and to
6 the June 30, 2019 ADIT balance for the Update Period.

7 **Q. What is the dollar amount of your adjustment?**

8 A. The adjustment increased the ADIT balance by \$20,715,333 at March 31, 2019, with
9 an incremental decrease of \$667,575 for the Update Period. Please refer to
10 Attachment MPM-RR-3.

1 **VI. ADJUSTMENT FOR SHARED ASSET**

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

3 A. I provide background information about the adjustment Ms. Schmidt presents
4 regarding shared assets.

5 **Q. What are shared assets?**

6 A. Shared assets are those assets or facilities that are used by an Xcel Energy affiliate
7 (e.g., XES) and are owned by one of the Xcel Energy Operating Companies. The
8 shared asset is recorded on the books of the Xcel Energy Operating Company that
9 owns the asset. Because the asset is owned by one of the Operating Companies, but
10 used by, for example, XES employees performing work for other Operating
11 Companies, the costs for that asset must be shared among the Operating Companies
12 receiving services from the XES employees using that asset. The costs that the
13 owner incurs for these assets include book depreciation, tax depreciation, related
14 deferred taxes, removal cost recovery, property taxes, and a return on investment or
15 carrying costs.

16 **Q. How are shared assets charged out to other Operating Companies?**

17 A. The shared asset or facilities costs are allocated from the XES clearing account and
18 charged to operation and maintenance expense and other clearing accounts on the
19 books of the affiliate, such as SPS, that receive services from XES employees that
20 use those facilities. Ms. Schmidt further discusses the allocation process.

21 **Q. What are carrying costs associated with shared assets?**

22 A. Carrying costs are those amounts reflecting the return on investment associated with
23 a shared asset. The carrying costs are determined by each Operating Company's

1 return on investment as approved by the relevant regulatory authorities. The XES
2 Shared Asset Agreement with SPS, which sets out the terms of the shared assets
3 arrangement, was filed with Ms. Schmidt's direct testimony as Attachment
4 MLS-RR-14.

5 **Q. Is SPS seeking to recover expenses owed or revenues received for carrying costs**
6 **for shared assets in this case?**

7 A. No. In compliance with the Commission's Final Order in Docket No. 43695, SPS
8 has removed \$2,537,396 of carrying costs on shared assets SPS incurred from its
9 affiliates. Additionally, SPS has removed \$3,110,579 in revenue SPS has received
10 from its affiliates related to carrying costs for assets that an affiliate owns and
11 records on its books. Mr. Freitas further addresses this adjustment in his direct
12 testimony.

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

14 A. Yes.

AFFIDAVIT

STATE OF MINNESOTA)
)
COUNTY OF HENNEPIN)

MARK P. MOELLER, first being sworn on her oath, states:

I am the witness identified in the preceding testimony. I have read the testimony and the accompanying attachment(s) 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.

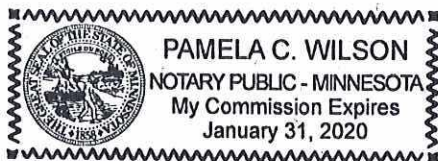


MARK P. MOELLER

Subscribed and sworn to before me this 29th day of July, 2019 by MARK P. MOELLER



Notary Public, State of Minnesota



My Commission Expires: 1-31-2020

Southwestern Public Service Company

Annualized Depreciation Expense Impact
For Year ended June 30, 2017, March 31, 2019, and June 30, 2019

Functional Class	Depreciable Plant Balance				Approved Rates (Note 1)		
	6/30/2017	3/31/2019	6/30/2019	Change	6/30/2017	3/31/2019	6/30/2019
	[A]	[B]	[C]	[D] = [C] - [A]	[E]	[F]	[G]
<u>Depreciation</u>							
Steam Production	\$ 1,831,118,163	\$ 1,870,111,770	\$ 1,897,760,881	\$ 66,642,718	\$ 47,758,968	\$ 48,832,545	\$ 49,514,640
Other Production	291,650,812	289,214,125	979,590,706	687,939,894	7,088,765	7,029,426	30,428,287
Electric Transmission	2,471,533,218	2,852,535,837	3,035,833,174	564,299,956	58,396,521	67,366,415	71,704,181
Electric Distribution - New Mexico Assets	438,049,922	490,194,422	496,402,423	58,352,501	11,501,920	12,845,517	13,018,825
Electric Distribution - Texas Assets	816,149,891	893,269,457	911,027,069	94,877,178	21,619,372	23,595,027	24,023,428
Electric General	399,864,097	469,283,074	485,781,601	85,917,504	28,301,454	32,236,784	34,232,072
Total Depreciation Change	\$ 6,248,366,104	\$ 6,864,608,685	\$ 7,806,395,855	\$ 1,558,029,751	\$ 174,667,000	\$ 191,905,713	\$ 222,921,433
<u>Amortization</u>							
Electric Intangibles	\$ 144,006,396	\$ 175,491,762	\$ 178,714,431	\$ 34,708,035	\$ 22,073,818	\$ 25,020,629	\$ 25,563,671
Steam Production	12,700,744	12,722,831	12,722,831	22,088	467,041	467,929	467,929
Other Production	676	676	676	-	-	-	-
Electric Transmission	126,133,905	152,353,790	155,391,938	29,258,033	1,571,628	1,898,328	1,936,184
Electric Distribution - New Mexico Assets	6,153,205	7,085,074	7,101,407	948,202	86,600	99,715	99,945
Electric Distribution - Texas Assets	2,359,951	2,820,897	2,820,897	460,947	33,214	39,701	39,701
Electric General	8,138,684	4,284,174	4,284,174	(3,854,510)	1,136	1,136	1,136
Total Amortization Change	\$ 299,493,560	\$ 354,759,205	\$ 361,036,354	\$ 61,542,794	\$ 24,233,438	\$ 27,527,439	\$ 28,108,566

(Note 1) Annualized Depreciation Expense reflect the Commission approved depreciation rates in Docket No 43695, 45524, and 47527.

Southwestern Public Service Company

Annualized Depreciation Expense Impact
For Year ended June 30, 2017, March 31, 2019, and June 30, 2019

Functional Class	Annualized Depreciation					Change			
	Proposed Rates								
	6/30/2017	3/31/2019	6/30/2019	[H]	[I]	[J]	Change Due to Change in Actual Depreciable Plant 7/1/2017 - 3/31/2019	Change Due to Change in Actual Depreciable Plant 4/1/2019 - 6/30/2019	Change Due to Change in Depreciation and Amortization Rates at 6/30/2019
<u>Depreciation</u>									
Steam Production	\$ 88,498,194	\$ 88,149,858	\$ 89,540,713				\$ 1,073,577	\$ 682,095	\$ 40,026,073
Other Production	7,710,514	7,649,698	35,651,308				(59,339)	23,398,861	5,223,021
Electric Transmission	71,964,388	82,963,582	88,273,849				8,969,894	4,337,766	16,569,668
Electric Distribution - New Mexico Assets	12,481,284	13,944,223	14,136,224				1,343,596	173,309	1,117,399
Electric Distribution - Texas Assets	23,312,447	25,465,086	25,940,963				1,975,655	428,401	1,917,535
Electric General	27,604,439	31,417,524	33,407,197				3,935,329	1,995,289	(824,875)
Total Depreciation Change	\$ 231,571,266	\$ 249,589,971	\$ 286,950,255				\$ 17,238,713	\$ 31,015,720	\$ 64,028,822
<u>Amortization</u>									
Electric Intangibles	\$ 22,075,292	\$ 25,022,933	\$ 25,565,980				\$ 2,946,811	\$ 543,042	\$ 2,309
Steam Production	609,108	610,230	610,230				888	(0)	142,301
Other Production	-	-	-				-	-	-
Electric Transmission	1,601,901	1,934,893	1,973,478				326,700	37,855	37,294
Electric Distribution - New Mexico Assets	87,991	101,317	101,550				13,115	230	1,605
Electric Distribution - Texas Assets	33,747	40,339	40,339				6,487	-	638
Electric General	809	809	809				-	-	(327)
Total Amortization Change	\$ 24,408,849	\$ 27,710,521	\$ 28,292,386				\$ 3,294,001	\$ 581,127	\$ 183,820
									\$ 4,058,948

(Note 1) Annualized Depreciation Expense rel

Southwestern Public Service Company
Calculation to Unblend Depreciation Reserve
March 31, 2019

Total Company by Functional Class

Line No.		Financial (FIN)	Jurisdiction (IUR)			Notes
			Texas	Mexico	FERC	
		(A)	(B)	(C)	(D)	
1	Electric Steam Production Plant Total					
2	Jurisdictional Percent (1)		53.70%	21.58%	24.73%	
3	Total Company Accumulated Depreciation	1,134,946,207	1,009,253,918	1,195,355,399	1,355,209,822	Each Jurisdiction represents Total Company
4	Accumulated Depreciation * Juris %	1,134,946,207	541,953,206	257,914,662	335,078,339	Sum of B, C, D = A
5	Adjustment	0	0	0	0	Allocate Difference Between Financial Lines 3 and 4
6	Adjustment (Gross-up)		0	0	0	
7	Jurisdictional Accumulated Depreciation Adjusted	1,134,946,207	541,953,206	257,914,662	335,078,339	Sum of B, C, D = A
8	Total Company Accumulated Depreciation Adjusted (Gross-up)		1,009,253,918	1,195,355,399	1,355,209,822	Gross up so each Jurisdiction represents Total Company. Lines 3 + 6 = Line 8
9	Unblended Adjustment		(125,692,289)	60,409,192	220,263,615	Unblended Adjustment = Jurisdiction Total Company Accumulated Depreciation Adjusted (Line 8, Col. B, C, or D) - Financial Accumulated Depreciation [Col. A, Line 7]
10	Electric Other Production Plant Total					
11	Jurisdictional Percent (1)		53.70%	21.58%	24.73%	
12	Total Company Accumulated Depreciation	88,904,898	82,258,484	92,456,301	100,240,510	Each Jurisdiction represents Total Company
13	Accumulated Depreciation * Juris %	88,904,898	44,171,490	19,948,741	24,784,667	Sum of B, C, D = A
14	Adjustment	0	0	0	0	Allocate Difference Between Financial Lines 12 and 13
15	Adjustment (Gross-up)		0	0	0	
16	Total Company Adjusted	88,904,898	44,171,490	19,948,741	24,784,667	Sum of B, C, D = A
17	Total Company Adjusted (Gross-up)		82,258,484	92,456,301	100,240,510	Gross up so each Jurisdiction represents Total Company. Lines 12 + 15 = Line 17
18	Unblended Adjustment		(6,646,414)	3,551,403	11,335,613	Unblended Adjustment = Jurisdiction Total Company Accumulated Depreciation Adjusted (Line 17, Col. B, C, or D) - Financial Accumulated Depreciation [Col. A, Line 16]

Southwestern Public Service Company
Calculation to Unblend Depreciation Reserve
March 31, 2019

Total Company by Functional Class

Line No.		Financial (FIN)	Jurisdiction (JUR)			Notes
			Texas	New Mexico	FERC	
Electric Transmission Plant Total						
19	Jurisdictional Percent (1)		45.73%	19.63%	34.64%	
20	Total Company Accumulated Depreciation	450,522,839	479,979,872	498,103,294	384,683,013	Each Jurisdiction represents Total Company
21	Accumulated Depreciation * Juris %	450,522,839	219,500,075	97,756,258	133,266,505	Sum of B, C, D = A
22	Adjustment	0	0	0	0	Allocate Difference Between Financial Lines 21 and 22
23	Adjustment (Gross-up)		0	0	0	
24	Total Company Adjusted	450,522,839	219,500,075	97,756,258	133,266,505	Sum of B, C, D = A
25						Gross up so each Jurisdiction represents Total Company. Lines 21 + 24 =
26	Total Company Adjusted (Gross-up)		479,979,872	498,103,294	384,683,013	Line 26
27	Unblended Adjustment		29,457,033	47,580,455	(65,839,826)	Unblended Adjustment = Jurisdiction Total Company Accumulated Depreciation Adjusted (Line 26, Col. B, C, or D) - Financial Accumulated Depreciation [Col. A, Line 25]
Electric Distribution Plant Total (2)						
28						
29	Total Company Accumulated Depreciation	364,242,879	364,242,879	364,242,879	364,242,879	Each Jurisdiction represents Total Company
30						
Electric General Plant Total						
31	Jurisdictional Percent (1)		57.82%	24.72%	17.46%	
32	Total Company Accumulated Depreciation	202,294,011	202,888,836	190,146,583	216,048,461	Each Jurisdiction represents Total Company
33	Accumulated Depreciation * Juris %	202,036,721	117,301,601	47,007,658	37,727,462	Sum of B, C, D = A
34	Adjustment	257,290	(58,958)	(123,803)	440,052	Allocate Difference Between Financial Lines 33 and 34
35	Adjustment (Gross-up)		(101,977)	(500,784)	2,519,980	
36	Total Company Adjusted	202,294,011	117,242,642	46,883,855	38,167,514	Sum of B, C, D = A
37						Gross up so each Jurisdiction represents Total Company. Lines 33 + 36 =
38	Total Company Adjusted (Gross-up)		202,786,860	189,645,799	218,568,441	Line 38
39	Unblended Adjustment		492,848	(12,648,213)	16,274,429	Unblended Adjustment = Jurisdiction Total Company Accumulated Depreciation Adjusted (Line 38, Col. B, C, or D) - Financial Accumulated Depreciation [Col. A, Line 37]
Electric Intangible Plant Total						
40	Jurisdictional Percent (1)		57.82%	24.72%	17.46%	
41	Total Company Accumulated Depreciation	111,141,247	111,095,161	111,095,161	111,095,161	Each Jurisdiction represents Total Company
42	Accumulated Depreciation * Juris %	111,095,161	64,230,445	27,464,724	19,399,992	Sum of B, C, D = A
43	Adjustment	46,086	6,971	2,981	36,133	Allocate Difference Between Financial Lines 42 and 43
44	Adjustment (Gross-up)		12,058	12,058	206,919	
45	Total Company Adjusted	111,141,247	64,237,416	27,467,704	19,436,126	Sum of B, C, D = A
46						Gross up so each Jurisdiction represents Total Company. Lines 42 + 45 =
47	Total Company Adjusted (Gross-up)		111,107,219	111,107,219	111,302,080	Line 47
48	Unblended Adjustment		(34,028)	(34,028)	160,833	Unblended Adjustment = Jurisdiction Total Company Accumulated Depreciation Adjusted (Line 47, Col. B, C, or D) - Financial Accumulated Depreciation [Col. A, Line 46]

Southwestern Public Service Company
Calculation to Unblend Depreciation Reserve
March 31, 2019

Total Company by Functional Class

Line No.		Jurisdiction (JUR)				Notes
		Financial (FIN)	Texas	New Mexico	FERC	
42	Total Company - Utility					
43						
44						
45	Total Company Accumulated Depreciation	N/A	N/A	N/A	N/A	N/A
46	Less: Electric Distribution Accumulated Depreciation	2,352,052,080	2,249,719,150	2,451,399,616	2,531,519,845	Each Jurisdiction represents Total Company
47	Total Co. Accumulated Depreciation excluding Distribution	(364,242,879)	(364,242,879)	(364,242,879)	(364,242,879)	Each Jurisdiction represents Total Company
48	Total JUR Accumulated Depreciation	1,987,809,202	1,885,476,271	2,087,156,737	2,167,276,967	Sum of B, C, D = A
49	Jurisdictional Accumulated Depreciation as % of Total Adjustment	N/A	N/A	N/A	N/A	
50	Adjustment (Gross-up)	303,376	(51,987)	(120,822)	476,185	Allocate Difference Between Financial Lines 53 and 55
51	Total Company Adjusted	1,987,809,202	987,104,830	449,971,221	550,733,151	Sum of B, C, D = A
52	Total Company Adjusted (Gross-up)		1,885,386,353	2,086,668,011	2,170,003,866	Gross up so each Jurisdiction represents Total Company. Lines 53 + 57 = Unblended Adjustment = Jurisdiction Total Company Accumulated Depreciation Adjusted (Line 59, Col. B, C, or D) - Financial Accumulated Depreciation [Col. A, Line 58]
53	Unblended Adjustment		(102,422,849)	98,858,809	182,194,664	
54	(1) Jurisdictional Percent used in forecast system to calculate unblending adjustment. It does not match the final jurisdictional allocators calculated for the rate case.					
55	(2) Electric Distribution Accumulated Depreciation is not subject to an unblending adjustment since all assets are directly assigned to each jurisdiction.					

Southwestern Public Service Company
Calculation to Unblend Depreciation Reserve
June 30, 2017

Total Company by Functional Class

Line No.		Financial (FIN)	Jurisdiction (IUR)			Notes
			Texas	New Mexico	FERC	
		(A)	(B)	(C)	(D)	
1	Electric Steam Production Plant Total					
2	Jurisdictional Percent (1)		55.61%	23.09%	21.30%	
3	Total Company Accumulated Depreciation	1,144,313,198	1,027,062,771	1,219,881,876	1,369,026,205	Each Jurisdiction represents Total Company
4	Accumulated Depreciation * Juris %	1,144,422,914	571,149,607	281,670,725	291,602,582	Sum of B, C, D = A
5	Adjustment	(109,716)	(155,900)	(23,190)	69,375	Allocate Difference Between Financial Lines 3 and 4
6	Adjustment (Gross-up)		(280,346)	(100,434)	325,705	
7	Jurisdictional Accumulated Depreciation Adjusted	1,144,313,198	570,993,706	281,647,535	291,671,957	Sum of B, C, D = A
8	Total Company Accumulated Depreciation Adjusted (Gross-up)		1,026,782,425	1,219,781,441	1,369,351,910	Gross up so each Jurisdiction represents Total Company. Lines 3 + 6 = Line 8
9	Unblended Adjustment		(117,530,773)	75,468,243	225,038,712	Unblended Adjustment = Jurisdiction Total Company Accumulated Depreciation Adjusted (Line 8, Col. B, C, or D) - Financial Accumulated Depreciation [Col. A, Line 7]
10	Electric Other Production Plant Total					
11	Jurisdictional Percent (1)		55.61%	23.09%	21.30%	
12	Total Company Accumulated Depreciation	91,622,012	85,398,350	96,468,154	103,301,817	Each Jurisdiction represents Total Company
13	Accumulated Depreciation * Juris %	91,767,806	47,490,022	22,274,497	22,003,287	Sum of B, C, D = A
14	Adjustment	(145,794)	(3,824)	(139,639)	(2,332)	Allocate Difference Between Financial Lines 12 and 13
15	Adjustment (Gross-up)		(6,876)	(604,758)	(10,947)	
16	Total Company Adjusted	91,622,012	47,486,198	22,134,858	22,000,955	Sum of B, C, D = A
17	Total Company Adjusted (Gross-up)		85,391,473	95,863,397	103,290,870	Gross up so each Jurisdiction represents Total Company. Lines 12 + 15 = Line 17
18	Unblended Adjustment		(6,230,539)	4,241,385	11,668,858	Unblended Adjustment = Jurisdiction Total Company Accumulated Depreciation Adjusted (Line 17, Col. B, C, or D) - Financial Accumulated Depreciation [Col. A, Line 16]

Southwestern Public Service Company
Calculation to Unblend Depreciation Reserve
June 30, 2017

Total Company by Functional Class

Line No.	Jurisdiction (IUR)	Financial (FIN)	Texas	New Mexico	FERC	Notes
19	Electric Transmission Plant Total					
20	Jurisdictional Percent (1)		45.73%	19.63%	34.64%	
21	Total Company Accumulated Depreciation	466,073,428	496,103,921	516,122,399	398,078,156	Each Jurisdiction represents Total Company
22	Accumulated Depreciation * Juris %	466,073,426	226,873,780	101,292,634	137,907,012	Sum of B, C, D = A
23	Adjustment	3	1	0	1	Allocate Difference Between Financial Lines 21 and 22
24	Adjustment (Gross-up)		2	2	4	
25	Total Company Adjusted	466,073,428	226,873,781	101,292,634	137,907,013	Sum of B, C, D = A
26	Total Company Adjusted (Gross-up)		496,103,923	516,122,401	398,078,160	Gross up so each Jurisdiction represents Total Company. Lines 21 + 24 = Line 26
27	Unblended Adjustment		30,030,495	50,048,973	(67,995,269)	Unblended Adjustment = Jurisdiction Total Company Accumulated Depreciation Adjusted (Line 26, Col. B, C, or D) - Financial Accumulated Depreciation [Col. A, Line 25]
28	Electric Distribution Plant Total (2)					
29	Total Company Accumulated Depreciation	369,402,958	369,402,958	369,402,958	369,402,958	Each Jurisdiction represents Total Company
31	Electric General Plant Total					
32	Jurisdictional Percent (1)		57.82%	24.72%	17.46%	
33	Total Company Accumulated Depreciation	210,376,306	210,387,257	197,230,155	223,775,197	Each Jurisdiction represents Total Company
34	Accumulated Depreciation * Juris %	209,819,348	121,983,759	48,758,844	39,076,744	Sum of B, C, D = A
35	Adjustment	556,959	135,381	(60,571)	482,149	Allocate Difference Between Financial Lines 33 and 34
36	Adjustment (Gross-up)		234,159	(245,009)	2,761,052	
37	Total Company Adjusted	210,376,306	122,119,140	48,698,274	39,558,892	Sum of B, C, D = A
38	Total Company Adjusted (Gross-up)	-	211,221,416	196,985,145	226,536,249	Gross up so each Jurisdiction represents Total Company. Lines 33 + 36 = Line 38
39	Unblended Adjustment		845,110	(13,391,161)	16,159,942	Unblended Adjustment = Jurisdiction Total Company Accumulated Depreciation Adjusted (Line 38, Col. B, C, or D) - Financial Accumulated Depreciation [Col. A, Line 37]
40	Electric Intangible Plant Total					
41	Jurisdictional Percent (1)		57.82%	24.72%	17.46%	
42	Total Company Accumulated Depreciation	117,432,655	117,420,565	117,420,565	117,420,565	Sum of B, C, D = A
43	Accumulated Depreciation * Juris %	117,420,565	67,887,522	29,028,477	20,504,566	Sum of B, C, D = A
44	Adjustment	12,090	6,990	2,989	2,111	Allocate Difference Between Financial Lines 42 and 43
45	Adjustment (Gross-up)		12,090	12,090	12,090	
46	Total Company Adjusted	117,432,655	67,894,511	29,031,466	20,506,677	Sum of B, C, D = A
47	Total Company Adjusted (Gross-up)	(0)	117,432,655	117,432,655	117,432,655	Gross up so each Jurisdiction represents Total Company. Lines 42 + 45 = Line 47
48	Unblended Adjustment		(0)	0	(0)	Unblended Adjustment = Jurisdiction Total Company Accumulated Depreciation Adjusted (Line 47, Col. B, C, or D) - Financial Accumulated Depreciation [Col. A, Line 46]

Southwestern Public Service Company
Calculation to Unblend Depreciation Reserve
June 30, 2017

Total Company by Functional Class

Line No.		Jurisdiction (JUR)				Notes
		Financial (FIN)	Texas	New Mexico	FERC	
49	Total Company - Utility					
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						

	Jurisdictional Percent	N/A	N/A	N/A	N/A	
	Total Company Accumulated Depreciation	2,399,220,557	2,306,375,821	2,516,526,106	2,581,004,897	Each Jurisdiction represents Total Company
	Less: Electric Distribution Accumulated Depreciation	(369,402,958)	(369,402,958)	(369,402,958)	(369,402,958)	
	Total Co. Accumulated Depreciation excluding Distribution	2,029,817,599	1,936,972,863	2,147,123,149	2,211,601,940	Each Jurisdiction represents Total Company
	Total JUR Accumulated Depreciation	2,029,504,058	1,035,384,690	483,025,177	511,094,190	Sum of B, C, D = A
	Jurisdictional Accumulated Depreciation as % of Total	N/A	N/A	N/A	N/A	
	Adjustment	313,541	(17,353)	(220,410)	551,305	Allocate Difference Between Financial Lines 53 and 55
	Adjustment (Gross-up)		(40,972)	(938,109)	3,087,903	
	Total Company Adjusted	2,029,817,599	1,035,367,337	482,804,767	511,645,495	Sum of B, C, D = A
	Total Company Adjusted (Gross-up)		1,936,931,892	2,146,185,039	2,214,689,843	Gross up so each Jurisdiction represents Total Company. Lines 53 + 57 = Line 59
	Unblended Adjustment		(92,885,707)	116,367,440	184,872,244	Unblended Adjustment = Jurisdiction Total Company Accumulated Depreciation Adjusted (Line 59, Col. B, C, or D) - Financial Accumulated Depreciation [Col. A, Line 58]

(1) Jurisdictional Percent used in forecast system to calculate unblending adjustment. It does not match the final jurisdictional allocators calculated for the rate case.
(2) Electric Distribution Accumulated Depreciation is not subject to an unblending adjustment since all assets are directly assigned to each jurisdiction.

Southwestern Public Service Company

Unblended ADIT Adjustment - Total Plant
Ended March 31, 2019

Unblended Book Reserve Impact on DFIT					
Line No.		Financial	Texas	New Mexico	FERC
1	Normalized Timing Difference	3,195,516,231	3,289,206,682	3,101,333,922	3,021,261,048
2	Perm Difference/Flow Through Timing Difference	103,056,251	105,915,022	100,704,842	97,668,502
3	Total Timing Difference	3,298,572,482	3,395,121,704	3,202,038,764	3,118,929,550
4		3.12%	3.12%	3.15%	3.13%
5					
6	ADIT Impact	1,121,271,067	1,141,986,400	1,100,446,981	1,082,742,549
7					Total
8	Jursidictional ADIT using Financial Reserve		562,523,048	234,065,555	324,682,463
9	Jursidictional ADIT using Unblended Book Reserve		574,111,380	229,906,919	316,751,687
10	Difference between Jurisdictionalization Actual & Theoretical		(11,588,332)	4,158,636	7,930,776
11	Adjustment to Tie to Financial Total		0	0	501,080
12	Unblended Jurisdictional Accumulated Deferred		574,111,380	229,906,919	317,252,767
13					1,121,271,067
14	Unblended Adjustment to ADIT		11,588,332	(4,158,636)	(7,429,696)
15					
16	Jurisdictional Percent	100.000%	50.168%	20.875%	28.957%
17					
18					
19	Adjustment to Tie to Financial Total Company		(0)	(0)	2,026,597
20	ADIT Total Company		1,141,986,400	1,100,446,981	1,084,769,146
21					
22	Unblended Jurisdictional Accumulated Deferred Income Taxes		574,111,380	229,906,919	317,252,767
23					1,121,271,067
24	Unblended ADIT Adjustment Total Company		20,715,333	(20,824,085)	(36,501,921)

Southwestern Public Service Company

Unblended ADIT Adjustment - Total Plant
Ending June 30, 2019

Unblended Book Reserve Impact on DFIT					
Line No.		Financial	Texas	New Mexico	FERC
1	Normalized Timing Difference	3,242,645,483	3,334,323,080	3,144,901,647	3,068,897,242
2	Perm Difference/Flow Through Timing Difference	108,884,394	111,685,273	106,460,678	103,485,878
3	Total Timing Difference	3,351,529,877	3,446,008,353	3,251,362,325	3,172,383,121
4		3.25%	3.24%	3.27%	3.26%
5					
6	ADIT Impact	1,129,228,490	1,149,276,249	1,107,223,203	1,090,868,103
7					Total
8	Jursidictional ADIT using Financial Reserve		576,122,772	243,281,592	309,824,126
9	Jursidictional ADIT using Unblended Book Reserve		587,889,673	238,647,258	303,715,517
10	Difference between Jurisdictionalization Actual & Theoretical		(11,766,901)	4,634,335	6,108,609
11	Adjustment to Tie to Financial Total		(0)	(0)	(1,023,957)
12	Unblended Jurisdictional Accumulated Deferred		587,889,673	238,647,258	302,691,560
13					1,129,228,490
14	Unblended Adjustment to ADIT		11,766,901	(4,634,335)	(7,132,566)
15					
16	Jurisdictional Percent	100.000%	51.019%	21.544%	27.437%
17					
18					
19	Adjustment to Tie to Financial Total Company		(0)	(0)	(4,807,309)
20	ADIT Total Company		1,149,276,249	1,107,223,203	1,086,060,794
21					
22	Unblended Jurisdictional Accumulated Deferred Income Taxes		587,889,673	238,647,258	302,691,560
23					1,129,228,490
24	Unblended ADIT Adjustment Total Company		20,047,758	(22,005,287)	(43,167,696)

Southwestern Public Service Company

Capital Additions, July 1, 2017 through March 31, 2019,

Separated by Sponsoring Witness

2019 TX Rate Case

**APPLICATION OF
SOUTHWESTERN PUBLIC SERVICE COMPANY
FOR AUTHORITY TO CHANGE RATES**

MPM-RR-4(V)

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Summary by Asset Class

(A)	(D)	(E)
Asset Class	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
Production	\$ 718,025,615.63	\$ 57,010,743.11
Transmission	187,322,933.19	3,243,677.97
Distribution	26,229,960.17	68,358.55
General	16,498,527.46	771,065.30
Software	3,222,668.55	2,684,756.37
Total	\$ 951,299,705.00	\$ 63,778,601.31

⁽¹⁾ Capital projects are budgeted at the parent project level in total. Affiliate charges are not forecasted separately. See page 2 for calculation of the affiliate charge estimate based on historical percentages.

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Summary by Witness

(B)	(D)	(E)
Witness	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D) ⁽¹⁾
Lytal - Production	\$ 745,618,626.12	\$ 57,499,701.60
Cooley - Transmission	165,942,300.00	3,045,057.43
Meeks - Distribution	28,541,883.83	176,407.23
Harkness - Electric General & Software	10,477,439.60	3,023,811.01
Bick - Building	83,353.40	3,895.55
Brown - Physical Security	636,102.05	29,728.48
Total	\$ 951,299,705.00	\$ 63,778,601.31

⁽¹⁾ Capital projects are budgeted at the parent project level in total. Affiliate charges are not forecasted separately. Affiliate charges are estimated based on historical percentages experienced, as shown below:

July 2017 - March 2019 Percentages Used for Estimate		
Asset Class	XES Charges	Other Affiliate Charges
Production	7.9091%	0.0309%
Transmission	1.7279%	0.0037%
Distribution	0.2365%	0.0241%
General	4.6670%	0.0065%
Software	83.3061%	0.0023%

	(D)		(E)	
	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	XES Charges (Included in Column D)	Other Affiliate Charges (Included in Column D)	Total Affiliate Charges (Included in Column D) ⁽¹⁾
Lytal - Production	\$ 718,025,615.63	\$ 56,789,213.98	\$ 221,529.13	\$ 57,010,743.11
Lytal - Transmission	27,213,710.40	470,221.44	1,010.31	471,231.75
Lytal - General	379,300.09	17,702.08	24.66	17,726.74
Lytal Total	\$ 745,618,626.12	\$ 57,277,137.50	\$ 222,564.10	\$ 57,499,701.60
Cooley - Transmission	\$ 160,109,222.79	\$ 2,766,502.18	\$ 5,944.05	\$ 2,772,446.22
Cooley - General	5,833,077.21	272,231.94	379.27	272,611.20
Cooley Total	\$ 165,942,300.00	\$ 3,038,734.11	\$ 6,323.31	\$ 3,045,057.43
Meeks - Distribution	\$ 26,229,960.17	\$ 62,025.86	\$ 6,332.69	\$ 68,358.55
Meeks - General	2,311,923.66	107,898.36	150.32	108,048.68
Meeks Total	\$ 28,541,883.83	\$ 169,924.22	\$ 6,483.01	\$ 176,407.23
Harkness - General	\$ 7,254,771.05	\$ 338,582.93	\$ 471.71	\$ 339,054.64
Harkness - Software	3,222,668.55	2,684,680.98	75.40	2,684,756.37
Harkness Total	\$ 10,477,439.60	\$ 3,023,263.91	\$ 547.10	\$ 3,023,811.01
Bick - General	\$ 83,353.40	\$ 3,890.13	\$ 5.42	\$ 3,895.55
Brown - General	\$ 636,102.05	\$ 29,687.13	\$ 41.36	\$ 29,728.48
Total	\$ 951,299,705.00	\$ 63,542,637.00	\$ 235,964.31	\$ 63,778,601.31

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Energy Supply

(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
April-June 2019 Budget Amounts					
1	Electric Production	Lytal	Reliability and Performance Enhancement	\$ 483,395.88	Maddox Unit 1 -Replace Cooling Tower Fans & Gearboxes - This project is to replace all 5 Cooling tower mechanicals including motors, motor support frames, fans, fan blades, gearboxes, and drive shafts as well as associated hardware, and to replace the fan shrouds for the two most southern cells. These motors are all exhibiting signs of degradation, most noticeably excessive heat and vibration issues. Maintaining adequate cooling tower draft is essential in minimizing back pressure losses and supplying adequate cooling water to the auxiliary equipment. The gearbox supports have some deterioration, due to corrosion, to the point where replacement is justifiable. The fan blades have begun to delaminate at the tip which allows water to penetrate the fans and cause them to become unbalanced. Maddox Unit 3 -Replace Maddox Unit 3 Fire Suppression - This project is to replace the dry chem fire protection system in generator section. This includes: 1 - Fenwal net 8000 control panel, 2 r-Nac cards, mounting box, display; 1 - Smoke detector; 8 - Modules; 2 - EOL Releasing devices; 1 - 1000' of 4 conductor high temp wire, Nema cans and conduit as needed; 2 - 50# IND tanks and suppression agent; 2 - electric actuator kits; Piping as needed for rework of tanks; Programming and testing. The current dry chem tanks have faulty actuators and seals, and will steadily drain the tank pressure empty, leaving the unit without generator fire protection. The tanks are obsolete and repair parts are not obtainable for the actuators. The dry chem suppression agent is not available in town. SPS had previously been shipping the tanks off to Lubbock for a refill, however the vendor is no longer supplying that agent type. Maddox - Small Routines - This expenditure represents a group of minor projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Maddox (MAD) natural gas generating station.
2	Electric Production	Lytal	Reliability and Performance Enhancement	195,051.12	
3	Electric Production	Lytal	Reliability and Performance Enhancement	80,167.77	

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
4	Electric Production	Lytal	Reliability and Performance Enhancement	357,813.56	Plant X Unit 4 - Replace Economizer Header - This project is to replace the economizer inlet header including the terminal tubes in the boiler for Unit 4. The new economizer should be designed to accommodate cycling operation. Numerous economizer tube failures and leaks have caused unplanned outages. Leaks can be expected to increase in occurrence because of unit cycling. An inspection of the economizer header was completed in October of 2017. This inspection found thinning on the grid closest to the bore holes. Flow accelerated corrosion (FAC) was also noted during this inspection. Technical Resources and Compliance (TRaC) recommends that the header be replaced during the next major overhaul. Plant X - Small Routines - This expenditure represents a group of projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Plant X (PLX) natural gas generating station. Plant X Unit 4 - Replace Hot-Reheat Seamed Piping - This project is to replace the hot reheat (HRH) high energy (HE) seamed piping on Plant X Unit 4. This will require asbestos abatement of the line, the removal of all seamed pipe and installation of new seamless pipe including a full piping analysis and possible replacement of hangers. The HRH line has been verified to be seamed pipe. This project is part of a corporate initiative to replace HE seamed piping. An analysis done by Reliability Services and Overhaul Management (RSOM) in 2015, concluded that all HE seamed piping in the region should be replaced due to the probability of failure. The reheat steam line was originally built with seamed pipe. Acoustic emissions (AE) testing has been performed on this pipe and has not shown any evidence of cracking. However, this type of failure could be catastrophic resulting in significant property damage, outage time, and danger to personnel.
5	Electric Production	Lytal	Reliability and Performance Enhancement	299,370.46	
6	Electric Production	Lytal	Reliability and Performance Enhancement	2,049,234.19	

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
7	Electric Production	Lytal	Reliability and Performance Enhancement	509,053.81	Plant X Unit 4 - Upgrade Distributed Control System (DCS) Operator Station and CP - This project is to upgrade two Application Workstations, three Workstation Processors, two domain servers, three remote operator stations, a historian server and a repository server as well as upgrade the software version and licensing to the latest Foxboro version. A DCS Upgrade committee composed of Technical Resources and Compliance (TRaC), Engineering and Construction (E&C) and Plant Engineers (PETS) have developed a fleet-wide DCS Lifecycle Management plan to replace the DCS hardware and software. The hardware and software are obsolete. The committee is tracking the lifecycle of the DCS software and hardware components throughout the fleet and coordinating the upgrade schedule with the current plant outage schedules. The schedule reflects the realistic occurrence of a major failure that could create unit trips and extended down time. Xcel's Plant Process Network Security Policy EPR 4.200 Rev 2, Section 4.13 states that hardware and software systems should be current to allow patches for antivirus, and malware updates that are required to maintain cyber security protection as defined by the latest NERC Critical Infrastructure Protection (CIP) standard. Plant X Unit 4 - Generator Rewedge - This project is to rewedge the X4 generator. The scope of work includes all necessary pre-testing, removal and disposal of old wedges, installation of new wedges, cleaning of the stator core and winding, final testing, visual inspection on the stator core/end windings/blocking supports, inspect series connections and perform electrical testing. This also includes Bore-scope inspection beneath rotor coil retaining rings to inspect end windings and blocking supports as accessibility allows. A generator inspection was conducted during the last major overhaul. At that time, the final recommendation from Toshiba was to rewedge the stator. This was based on the test depth readings on the wedges. These readings indicated approximately 50% of the wedges were moderately or extremely loose.
8	Electric Production	Lytal	Reliability and Performance Enhancement	352,727.65	

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
9	Electric Production	Lytal	Reliability and Performance Enhancement	112,468.00	Cunningham Unit 0 - Refurbish Plant Bathroom - This project is to refurbish the 1st Floor Mens & Womens restrooms and the 2nd Floor Mens restroom. This work will include: retile floor, tile and paint walls, replace toilet and stall, replace urinal, install hand dryer, replace vanity, install new lighting, install ventilation fans and fixtures and fittings. Remove first aid room on 1st floor and extend the womens restroom into a womens locker room adding an extra toilet, sink and a shower. These restrooms have not been updated or equipment replaced in over 30 years. Every major fixture requires repair on a regular basis due to aging components and the partitions, tiles and grout are failing. Cunningham Unit 0 - Replace Waterwell Pump Motor - This project will replace 2-3 water well pumps and motors on the water gathering system, depending on amount of discovery work. Wells will be determined by level of importance and need for repairs. This work may include some or all of the following, depending on condition: replace pump ; replace motor ; replace casing ; bail well till clean; refill gravel pack after bailing. The water well pumps and motors have been in service for many years, the shafts have been machined multiple times and the motors have been exposed to pump vibration which has caused some irreparable damage to the motors. Cunningham is also seeing a growing problem with sand erosion on pump systems due to casing damage on some wells. These pump systems will be replaced with like turbine style systems due to the high probability of failure due to lightning strikes experienced with previous submersible systems.
10	Electric Production	Lytal	Reliability and Performance Enhancement	131,847.40	
11	Electric Production	Lytal	Reliability and Performance Enhancement	109,615.93	Cunningham - Small Routines - This expenditure represents a group of minor projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Cunningham (CHC) natural gas generating station.

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
12	Electric Production	Lytal	Reliability and Performance Enhancement	5,602,995.48	Cunningham Unit 3 - Rewind Generator - This project is to rewind the generator stator including stator coils, end winding blocking and bracing support systems, stator slot wedges and filler and perform generator hi pot test with successful results after Stator rewind as per recommendation from Technical Resources and Compliance (TRaC) on the 13.8 KV, 141 MVA rated generator. When the rotor is out SPS will install new generator cooling high flow blower blades on the rotor. Replacement of the blower requires new blower hub, stationary blower shroud, assembly, rotating blower blades as well as modifications to the generator end box. High voltage corona damage was found and repaired during November-December 2017. Cunningham Unit 3 - Replace Compressor - This project is to replace the Cunningham Unit 3 rotating and stationary blades (diaphragms) and inlet guide vanes (IGVs) with new parts. The turbine rotor will be shipped to a rotor shop to have new blades installed, non destruction testing inspections, and a low speed balance will be performed before returning to Cunningham. Reassembly will include machine assembly, machine train alignment, high speed balance, and performance testing. A thorough inspection of the compressor inlet revealed a missing piece of metal from the inlet expansion joint backer bar at the top left of the inlet plenum. Siemens was brought in to borescope the entire machine. They discovered all 19 rotating and 19 stationary rows of compressor blades have significant damage. The turbine and combustor section do not have significant damage. GMS0C - Small Routines - This expenditure represents a group of minor projects that consist of replacement of equipment, tools, lab instruments and training materials needed for general (i.e. non-plant specific) operational support.
13	Electric Production	Lytal	Reliability and Performance Enhancement	2,768,220.99	
14	Electric Production	Lytal	Reliability and Performance Enhancement	165,320.93	

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
15	Electric Production	Lytal	Reliability and Performance Enhancement	1,617,342.32	Harrington Unit 1 - Replace Foxboro Field Bus Modules (FBMs) - This project is to replace Foxboro 100 series FBMs with 200 series FBMs. In addition to the FBMs all Foxcom smart transmitters will be replaced with Hart Protocol smart transmitters and new smart positioners will be installed on boiler air dampers. A Distributed Control System (DCS) Upgrade committee composed of Technical Resources and Compliance (TRaC), Engineering and Construction (E&C) and Plant Engineers (PETS) have developed a fleet-wide DCS Lifecycle Management plan to replace the DCS hardware and software. The hardware and software are well beyond the obsolete state. The committee is tracking the lifecycle of the DCS software and hardware components throughout the fleet and coordinating the upgrade schedule with the current plant outage schedules. The schedule reflects the realistic occurrence of a major failure that could create unit trips and extended down time.
16	Electric Production	Lytal	Environmental Compliance	228,660.36	Harrington Unit 2 - Rebag Partial - This project will remove and replace the filter bags in 7 compartments. Over the last 30+ years, Harrington's filter bags have lasted between 6 and 7 years.
17	Electric Production	Lytal	Reliability and Performance Enhancement	417,230.91	Harrington - Small Routines - This expenditure represents a group of projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Harrington (HAR) coal generating station.

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
18	Electric Production	Lytal	Reliability and Performance Enhancement	379,563.54	Harrington Unit 1 - Replace Cooling Tower Mechanicals Phase 3 - This project will replace the cooling tower mechanical components including the fan blades, gear boxes, shafts, and structural skids. The scope also includes replacing the control boxes and motor lead boxes. This cooling tower has begun to experience failures to the mechanicals within the last couple of years including showing signs of rusted skid structures, poor fan blade condition, leaking gear boxes with rusted outer shells, and rusted hub assemblies. The control boxes are deteriorating and becoming damaged by the wind. Many of the latches do not work, and the doors do not close properly allowing mist/water to enter, which is corroding the electrical components. Harrington Unit 1 - Replace Drag Chain - The scope of this project includes complete Replacement of the 22 mm Chain for the Drag Chain Conveyor, light bars and conveying wear strips as well as also replacing the carbon steel dry side conveyor pan. The conveyor chain wears out in three years of constant use. As the chain wears it reduces the layer of case hardening which protects the chain from the harsh environment in the conveyor. The dry side structure is corroded and leaks are making a wet environment in the coal mill room, which can cause a slipping hazard. Harrington Unit 3 - Replace Cooling Tower Mechanicals Phase 2 - This project will replace the cooling tower mechanical components including the fan blades, gear boxes, shafts, and structural skids, control boxes and motor lead boxes. This cooling tower has begun to experience many failures to the mechanicals within the last couple of years and is showing signs of rusted skid structures, poor fan blade condition, leaking gear boxes with rusted outer shells, and rusted hub assemblies. The control boxes are deteriorating and becoming damaged by the wind. Many of the latches do not work, and the doors do not close properly allowing mist/water to enter, which is corroding the electrical components.
19	Electric Production	Lytal	Reliability and Performance Enhancement	103,713.10	
20	Electric Production	Lytal	Reliability and Performance Enhancement	406,278.90	

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
21	Electric Production	Lytal	Reliability and Performance Enhancement	467,555.38	Harrington Unit 1 - Upgrade Distributed Control System (DCS) Operator Station - This project will upgrade two Application Workstations, five Workstation Processors, two domain servers, a historian & repository server and three remote operator stations as well as upgrade the software version and licensing to the latest Foxboro version. A DCS Upgrade committee composed of Technical Resources and Compliance (TRaC), Engineering and Construction (E&C) and Plant Engineers (PETS) have developed a fleet-wide DCS Lifecycle Management plan to replace the DCS hardware and software. The hardware and software are well beyond the obsolete state. The committee is tracking the lifecycle of the DCS software and hardware components throughout the fleet and coordinating the upgrade schedule with the current plant outage schedules. The schedule reflects the realistic occurrence of a major failure that could create unit trips and extended down time .Xcel Energy's Plant Process Network Security Policy EPR 4.200 Rev 2, Section 4.13 states that hardware and software systems should be current to allow patches for antivirus, and malware updates that are required to maintain cyber security protection as defined by the latest NERC Critical Infrastructure Protection (CIP) standard. Harrington Unit 1 - Deaerator (DA) Heater Vessel - This project is to replace the Heater Portion of the Deaerator. The heater vessel on top of the storage tank is a 48" diameter vessel that mixes heater drain water with extraction steam. The project will include Abatement, removal of old vessel and piping attachments, new pressure vessel, new nozzles, and installation labor cost. The current DA Heater has severe erosion on the pressure vessel wall. This erosion has created several areas of the vessel that are well below minimum wall thickness. The DA Heater is located within the boiler building which poses a safety risk for those inside.
22	Electric Production	Lytal	Reliability and Performance Enhancement	1,019,735.30	

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
23	Electric Production	Lytal	Reliability and Performance Enhancement	149,690.80	Harrington Unit 3 - Replace Cooling Tower Pumphouse Roof - This project is to remove and replace the current roof. The scope of work for the project includes: Mechanically fasten Premium Glasbase into lightweight concrete per manufacturer wind uplift guidelines, install new wood nailers on parapet wall , install wood nailers on exhaust fans , adhere 1/2" gypsum Securock to deck, install one ply of 80 mil base sheet in cold-processed adhesive, install 115 mil smooth StressPly EUV smooth membrane in cold-processed adhesive. For wall flashing, install Flexbase 80 and StressPly EUV Mineral sheets with flashing adhesive and a minimum of 8" above the cant strip where necessary and terminate utilizing aluminum termination bar mechanically fastened on 8" centers, flood the entire field with hot asphalt and immediately embed 3/8" pea gravel surfacing conforming to ASTM-186 and install new metal coping cap around entire perimeter. The Harrington Cooling Tower Pumphouse building roof was inspected in Spring 2017 by plant engineer due to water leaks into the pumphouse. Perimeter flashings are badly deteriorated with holes and splits evident. Membrane blisters are scattered over the roof area and with areas of surfacing deterioration. Vent curb flashings are badly deteriorated. Drainage is fair to poor with a moderate area of ponding water evident. The water leakage into the building has caused a safety concern since the area of leakage is over the electrical panels inside the building.

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
24	Electric Production	Lytal	Reliability and Performance Enhancement	172,664.24	Harrington Unit 1 - Replace Generator Hydrogen Purity Monitor - This project is to install a Generator Hydrogen Purity Control System. This includes the Hydrogen Monitor and the associated piping to the Generator. The Hydrogen Monitor will be retrofitted to the Turbine Generator Hydrogen sample line without disturbing existing Hydrogen piping and instrumentation. The Hydrogen Monitor will automatically control Hydrogen Pressure, Purity and Dew-point simultaneously, by controlling the 'vent rate' and new Hydrogen feed flow. It will maintain all three parameters, within very close limits of the set points for Pressure, Purity and Dew-point. Unit 1 still uses the original hydrogen purity monitor installed in the 1970s, that is now obsolete and maintains a passive response to Hydrogen purity management. The new Hydrogen Monitor will actively and continuously monitor hydrogen purity level by measuring and automatically controlling hydrogen purity, dew point and hydrogen pressure to OEM specifications. The Hydrogen Monitor will display output signals to monitor Hydrogen pressure, purity, dew point and bleed valve position.
25	Electric Production	Lytal	Environmental Compliance	345,434.63	Harrington Unit 1 - Replace ESP Wires Phase 1 of 2 - This is to replace all the discharge wires in the west precipitator. The discharge wires in Harrington 1 Precipitator have been in service for over 20 years and are starting to fail due to wear and tear. During the last inspection of Precipitator in 2016, all wires were found to be extremely brittle. Manufacturers recommend 20 years as the typical time between changing wires to prevent fatigue failures due to wear and tear. These are long-weighted wires and as a result will tend to oscillate with air-flow, causing increased sparking and wear. SPS has had unscheduled shut-downs previously to replace failed wires that had failed as a result of over-sparking.

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
26	Electric Production	Lytal	Reliability and Performance Enhancement	896,685.16	Harrington Unit 3 - Replace Cooling Tower Fan Deck - This project is to remove existing top deck sheeting including the underlying structure and install new underlying structure and fiberglass deck materials. This includes replacement of the fan deck, fan deck joists, and joist supports with fiberglass reinforce plastic material. During the 2017 cooling tower cursory inspection it was noted that some of the fan stacks were beginning to sag due to the underlying supports. If the structure fails at this location, the fan stack(s) could come into contact with the rotating fan assembly and result in the destruction of both. Most of the boards that make up the deck are showing significant wear and deterioration. The report noted that 40-50% of the boards need to be replaced in order to keep the structural integrity of the deck. The boards are uneven creating a tripping hazard for personnel. Safety is also a major concern for personnel working and making daily inspections on the tower. A significant amount of the overlay pieces were missing due to high winds as the underlying structure can't hold the fasteners in place. Harrington Unit 3 - Replace Cooling Tower Hot Water Deck - This project is the replacement of the current hot water deck on Harrington Unit 3 cooling tower with a new deck consisting of hot water deck, nozzles, cell partition dams, distribution valves catwalks and appropriate decking supports for the new deck. During the October 2015 cooling tower outage inspection it was noticed the current deck is becoming soft and unstable with several places where it has sagged and does not distribute the water properly. There are multiple broken boards that are causing unequal distribution of the water. Harrington Unit 1 - Replace Cooling Tower Acid Tank - This project is to replace the existing sulfuric acid tank on the number 1 Cooling Tower and cut up and dispose of the old tank. The existing tank was installed in 1979 and is approaching the end of its useful life based on wall thickness. As the wall continues to thin-out, the acid could eat through the wall and pose a major safety hazard and environmental issue in the event of an acid spill. This project is required for Employee Safety and Environmental protection to reduce the risk of an acid leak.
27	Electric Production	Lytal	Reliability and Performance Enhancement	1,806,076.30	
28	Electric Production	Lytal	Reliability and Performance Enhancement	105,773.86	

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
29	Electric Production	Lytal	Reliability and Performance Enhancement	231,590.77	Harrington Unit 1 - Replace Elector-Hydraulic Control (EHC) Pump System - This project is to replace the current turbine EHC pump system with a constant pressure pump system which includes a filter manifold. The filter manifold installation incorporates isolation valves, bypass valve, relief valves, air bleeds and high performance filters. The manifold also includes flow meters for each pump to monitor pump discharge flow rates. The existing EHC system has been problematic with erratic pump pressures and issues with the unloader valves. This replacement will incorporate pumps that vary their output capacity to meet the given flow demands of the system, thereby maintaining nearly constant pressure as set by their own pressure compensator. This project would replace the unloader valve and the potential for instable valve operation associated with this component is eliminated. Harrington Unit 1 - Replace High Voltage (HV) Generator Bushings - This project is to replace the Harrington Unit 1 HV Generator Main Lead Bushing. This scope includes: removal of the existing Main Lead Bushings and replacement installation with new Main Lead Bushings. The scope of work shall also include inspections of the generator bushings, end windings and other electrical testing upon Technical Resources and Compliance (TRaC) recommendation as well as Bushing Air Flow Test and Measure final generator winding resistance. The existing main lead generator bushings have developed major greasing due to wear and excess oil in the generator. Significant greasing in the generator bushings can cause hydrogen gas leaks and is high safety risk. The existing main lead generator bushings are original plant equipment (30 + years old). Tolk - Small Routines - This expenditure represents a group of projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Tolk (TOL) coal generating station.
30	Electric Production	Lytal	Reliability and Performance Enhancement	541,452.25	
31	Electric Production	Lytal	Reliability and Performance Enhancement	525,687.80	

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
32	Electric Production	Lytal	Reliability and Performance Enhancement	4,728,254.49	Tolk Unit 0 - Water Well Phase 8 - This project is to design and construct approximately 4.5 miles of water transmission pipeline, overhead power, and access roads for additional well sites as well as drill and develop 6 new wells on this pipeline. Wells need to be instrumented with flow meters, level transducers, and radios to provide for control from Tolk. Decline of SPS's current well field production puts Tolk at risk for a water shortage. Tolk Unit 0 - West Soot Blower Air Compressor (SBAC) Overhaul - This project is to restore the West Soot Blower Air Compressor to design operating parameters. The scope of this overhaul is to replace all 5 impellers, replace coolers, and rebuild valves. This project also includes the purchase and installation of a new tube bundle for the after-cooler. This compressor is a critical component of the plant and the plant operational history has shown that the soot blower air compressors need to be overhauled every three to four years. The plant has experienced compressor failures due to worn components after a compressor has been in service for four years. This compressor was last overhauled 2015.
33	Electric Production	Lytal	Reliability and Performance Enhancement	508,141.77	
34	Electric Production	Lytal	Environmental Compliance	684,850.62	Tolk Unit 1 - Replace Baghouse Bags - This project is to remove and replace the filter bags in 6 compartments and clean the baghouse compartments. Tolk's filter bags have a useful life of 6 to 8 years and the bags in these compartments have been in service for 8 years. Inspections during the 2015 overhaul confirmed these compartments are showing signs of deterioration and will be ready for replacement based on life expectancy.

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
35	Electric Production	Lytal	Environmental Compliance	201,979.66	
					Nichols Unit 3 - Continuous Emissions Monitoring (CEMs) Upgrade - This project is to upgrade the CEMs Foxboro System. The Application Workstations (AWs) provide CEMs data management and system status monitoring for plant operation and regulatory reporting. These devices are now obsolete and are unreliable. Due to lack of parts and constant failures it is becoming difficult to maintain these systems. A lightning strike has further exacerbated the need for the upgrade. The strike caused the unit to go offline and damaged the power supplies for the CEMs equipment.
36	Electric Production	Lytal	Reliability and Performance Enhancement	154,215.18	
					Nichols - Small Routines - This expenditure represents a group of projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Nichols (NIC) natural gas generating station.
37	Electric Production	Lytal	Reliability and Performance Enhancement	751,347.04	
					Nichols Unit 2 - Replace Blowdown Piping - This project includes abandoning the original pipe and installing new pipe in a run parallel to the old pipe from the service tunnel to the tie-in point outside of the west fence line near the fly-ash road. The current pipeline has been repaired multiple times. Visual inspection of the pipe revealed heavy corrosion on both the interior and exterior. The original coating was observed to have disintegrated.
38	Electric Production	Lytal	Reliability and Performance Enhancement	681,773,668.26	
					Hale Wind Project - Electric Production - This portion of the Hale Wind Project contains the funding for the purchase of the wind turbines and all costs associated with the installation/erection of these turbines
39	Electric Production	Lytal	Reliability and Performance Enhancement	(75.36)	
					Hale Wind Project - Land Purchase - This portion of the Hale Wind Project contains the funding for the Land purchase for the Operations and Maintenance Building.
40	Electric Production	Lytal	Reliability and Performance Enhancement	491,752.44	
					Jones - Small Routines - This expenditure represents a group of projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Jones natural gas generating station.

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
41	Electric Production	Lytal	Reliability and Performance Enhancement	653,122.53	Jones Unit 2 - Upgrade Foxboro Field Bus Modules (FBMs) - This project is to replace Foxboro 100 series FBMs with 200 series FBMs. A database of all the points and FBM's will be generated. A Distributed Control System (DCS) Upgrade committee composed of Technical Resources and Compliance (TRaC), Engineering and Construction (E&C) and Plant Engineers (PETS) have developed a fleet-wide DCS Lifecycle Management plan to replace the DCS hardware and software. The committee is tracking the lifecycle of the DCS software and hardware components throughout the fleet and coordinating the upgrade schedule with the current plant outage schedules. The schedule reflects the realistic occurrence of a major failure that could create unit trips and extended down time.
42	Electric Production	Lytal	Reliability and Performance Enhancement	1,997,088.70	Jones Unit 2 - Replace Seamed Hot Reheat (HRH) piping - This project consist of replacing all the hot reheat piping from the turbine to the boiler. This would require the abatement of both lines, the removal of all seamed piping and installation of new seamless pipe with appropriate pipe hanger analysis and possible hanger replacement. The reheat lines were originally built with seamed pipe. This project is part of a corporate initiative to replace high-energy seamed piping. An analysis done by Reliability Services and Overhaul Management in 2015, concluded that all HE-seamed piping in the region should be replaced due to the probability of failure. This type of failure could be catastrophic resulting in significant property damage, outage time, and danger to personnel.

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
43	Electric Production	Lytal	Reliability and Performance Enhancement	694,160.36	Jones Unit 2 - Rewind Exciter Rotor - This project is to Rewind and Refurbish the existing rotating armature of Jones Unit 2 Westinghouse Brushless Exciter. This scope includes replacement of all Outboard/Inboard Diode Wheel Fuses, Diode Module strap-Components, Capacitors, Capacitor Fuses, Heat sinks, Armature Core and Rim repair/replacement, FME barrier Screens, Field Poles, Bearing Rebabbing / Oil Seal fin replacement. Upon the inspection and review by Technical Resources and Compliance (TRaC) during the last overhaul, several banding issues were observed and documented on this specific exciter rotor. Based on the age of the unit, past history with the exciters at Harrington, and the fact that we are already seeing issues with the banding on this unit, TRaC recommends this project. Jones Unit 2 - Transmitter Replacement Phase 2 - This project is for the complete replacement of all model 3051 Rosemount transmitters on Unit 2. This will consist of replacing thirty-five 3051s and include a Hart Communicator and Tough book configuration tool. New manifolds will also be required. The current transmitters have developed an "S-curve" characteristic that cannot be calibrated out, additionally the calibration "pots" are worn and do not maintain zero and span. The current transmitters are obsolete and no longer supported by Rosemount and no spare parts are available from the manufacturer. Jones Unit 2 - Superheat (SH) Header Sealbox Replacement - This project will require the removal of old refractory located at the seal box where the SH tubes penetrate the furnace wall and replaced with high temperature refractory on the furnace side. This will necessitate the replacement of the seal box around the SH headers including all metal and refractory. During the 2013 outage the SH tubes and sealboxes were replaced with new metal sealboxes and high temperature mineral wool. Because there are hot spots on the boiler around the superheat outlet header and doors, a complete replacement will be required.
44	Electric Production	Lytal	Reliability and Performance Enhancement	599,203.61	
45	Electric Production	Lytal	Reliability and Performance Enhancement	786,792.21	

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
46	Electric Production	Lytal	Reliability and Performance Enhancement	276,190.44	Jones Unit 2 - Replace Oil Circuit Breaker JK45 - This project will be the complete replacement of the 230kV generator breaker JK45. The current JK45 breaker has a date of manufacture of 1973. Manufactured in 1973, the General Electric Oil Blast Circuit Breaker is original equipment and has been in operation for more than 40 years. This breaker has now become obsolete and replacement parts are no longer supported by the manufacturer. The substation manager will no longer continue to support the maintenance on these breakers due to the unavailability of replacement parts. Jones Unit 2 - Replace Control Processors (CPs) - This project is to upgrade the current CPs with the most current version of CPs. The project will include base plates for the CPs and the necessary switches and fiber jumpers to incorporate a functioning system. Software updates may be necessary to accommodate the new CPs. A Disbributed Control System (DCS) Upgrade committee composed of Technical Resources and Compliance (TRaC), Engineering and Construction (E&C) and Plant Engineers (PETS) have developed a fleet-wide DCS Lifecycle Management plan to replace the DCS hardware and software. The hardware and software are well beyond the obsolete state. The committee is tracking the lifecycle of the DCS software and hardware components throughout the fleet and coordinating the upgrade schedule with the current plant outage schedules. The schedule reflects the realistic occurrence of a major failure that could create unit trips and extended down time.
47	Electric Production	Lytal	Reliability and Performance Enhancement	138,593.27	

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(A)	(B)	(C)	(D)	(E)	(F)	
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
48	Electric Production	Lytal	Reliability and Performance Enhancement	338,969.23		Jones Unit 1 - Replace Cooling Tower (CT) Makeup Piping - This project includes the replacement of the CT makeup line from the underground makeup header to the discharge into the cold water basin using HDPE. There are two valves and a flow meter that will be salvaged and reused. The flanges, gaskets, reducers, and the transition tee from the header will be replaced. The CT make up lines have been in service since 1970. There have been multiple leaks on the pipe which have been patched. The current pipe is thinning due to corrosion and service life, a failure of the piping could cause the unit to come offline during the Summer months.
49	Electric Production	Lytal	Reliability and Performance Enhancement	614,942.39		Jones Unit 2 - Replace L-1 Generator End Turbine Blades - This project is to replace one complete row of rotating blades on the Jones Unit 2 low pressure turbine. This Unit has a history of blade cracking occurring within the L-1 rows. The current L-1 generator row is original and has been in service since 1974. The OEM (Siemens) was consulted and is recommending original Jones Unit 2 L-1 generator row be replaced during the next outage. Siemens indicated that it is not uncommon for these blades to wear out in 20-30 years and were surprised that the Jones blades had obtained such a high service life.
50	Total Electric Production			\$ 718,025,615.63	\$ 57,010,743.11	
51						
52				April-June 2019 Budget Amounts		
53	Electric Transmission	Lytal	Reliability and Performance Enhancement	\$ 12,433,800.69		Hale Wind Project - Transmission Serving Generation - This portion of the Hale Wind Project is for the purchase and installation of the materials and equipment related to the 230kV transmission line to support the Hale Wind Project.
54	Electric Transmission	Lytal	Reliability and Performance Enhancement	14,716,834.35		Hale Wind Project - Sub Serving Generation - This portion of the Hale Wind Project is for the purchase and installation of the materials and equipment related to the Sub Station supporting the Hale Wind Project.
55	Electric Transmission	Lytal	Reliability and Performance Enhancement	63,075.36		Hale Wind Project - Land Purchase - This portion of the Hale Wind Project contains the funding or true-up for the Land purchase for the Substation Building
56	Total Electric Transmission			\$ 27,213,710.40	\$ 471,231.75	

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(A)	(B)	(C)	(D)	(E)	(F)	
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
57						
58						
59	Electric General Plant	Lytal	Reliability and Performance Enhancement	\$ 60,286.32		Harrington - Small Routines - This expenditure represents a group of projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Harrington (HAR) coal generating station.
60	Electric General Plant	Lytal	Reliability and Performance Enhancement	8,632.92		Cunningham - Small Routines - This expenditure represents a group of projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Cunningham (CHC) natural gas generating station.
61	Electric General Plant	Lytal	Reliability and Performance Enhancement	29,739.53		Jones - Small Routines - This expenditure represents a group of projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Jones (JON) natural gas generating station.
62	Electric General Plant	Lytal	Reliability and Performance Enhancement	9,625.15		Maddox - Small Routines - This expenditure represents a group of projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Maddox (MAD) natural gas generating station.
63	Electric General Plant	Lytal	Reliability and Performance Enhancement	32,820.56		Nichols - Small Routines - This expenditure represents a group of projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Nichols (NIC) natural gas generating station.
64	Electric General Plant	Lytal	Reliability and Performance Enhancement	(232.27)		Plant X - Small Routines - This expenditure represents a group of projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Plant X (PLX) natural gas generating station.
65	Electric General Plant	Lytal	Reliability and Performance Enhancement	12,061.55		Tolk - Small Routines - This expenditure represents a group of projects that consist of replacement or refurbishment of plant equipment needed to maintain the continued reliable operation and performance of the Tolk (TOL) coal generating station.

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
66	Electric General Plant	Lytal	Reliability and Performance Enhancement	61,158.90	GMS0C - Small Routines - This expenditure represents a group of projects that consist of replacement of equipment, tools, lab instruments and training materials needed for general (i.e. non-plant specific) operational support. Purchase Vehicles - This expenditure is to purchase vehicles to replace aging vehicles used to travel within and to the various plants. However, the forecast and responsibility for purchasing the vehicles has been moved to Xcel Energy Fleet.
67	Electric General Plant	Lytal	Reliability and Performance Enhancement	165,207.43	
68	Total Electric General Plant			\$ 379,300.09	\$ 17,726.74
69					
70	Grand Total			\$ 745,618,626.12	\$ 57,499,701.60

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Transmission

(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
April-June 2019 Budget Amounts					
1	Electric Transmission	Cooley	OT	\$ 13,953.18	Agreement Lighthouse Bill of Sale - This project installed a single transmission line switch on line Y-96 to provide an isolation point between SPS and Lighthouse Electric Cooperative's South Plains Substation per an agreement with Lighthouse Electric as a condition for SPS to purchase a 69-kV line segment from Lighthouse Electric.
2	Electric Transmission	Cooley	RE	235,920.18	Amarillo West Upgrade - This project provided for multiple projects to address reliability and city expansion in the Amarillo area. Specifically, this project provided for the replacement of transmission structures on 115-kV line U42 to clear the right of way for the new section of Loop 335 being constructed by the Texas Department of Transportation (TXDOT). Part or all of these costs should be reimbursable by TXDOT.
3	Electric Transmission	Cooley	RE	16,219.49	Atoka-Eagle Creek - This project constructed a 115-kV transmission line between the Atoka and Eagle Creek Substations near Artesia, New Mexico. The project is needed to address low voltages in the area. SPP issued SPS a NTC for this project.
4	Electric Transmission	Cooley	RE	20,491.75	Carlisle to Wolforth - This project constructed a new 230-kV line between the Carlisle and Wolforth substations and substation line terminals to accommodate the new transmission line. This project was needed for reliability and load growth in the surrounding area. SPP issued SPS a NTC for the project.
5	Electric Transmission	Cooley	LI	344,326.86	Chevron South Eddy Fields Load Addition - This project installed a three-way 115-kV switch on transmission line W-87 west of China Draw substation to provide a new 115-kV service point for a new substation owned by Chevron.
6	Electric Transmission	Cooley	GI	513,658.98	Cochran Plains Line Ratings - This project increased the line and substation terminal ratings of the 115-kV lines U-19 and U-20 between Cochran Co. Interchange and Lea County Plains Switching Station. This project was needed to provide the capacity to accommodate the new 350 MW Wildcat Ranch wind farm generation connected at Lost Draw Switching Station.

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
7	Electric Transmission	Cooley	RE	30.99	Curry to Bailey 115kV - This project constructed a new 115-kV line from the Curry County Substation near Clovis, New Mexico to the Bailey County Substation near Muleshoe, Texas. The project was needed to address low voltage at the Bailey County Substation. SPP issued SPS a NTC for this project.
8	Electric Transmission	Cooley	SR	10.01	CVA Mitigation - This project replaced various pieces of equipment that were identified by the Common Vulnerability Assessment (CVA) program. The CVA program identifies specific pieces of equipment that have a history of failing across all of the Xcel Energy transmission systems and works to proactively replace the remaining pieces of equipment still in service before they fail.
9	Electric Transmission	Cooley	LI	49,682.47	DCP - White Deer Sub - This project installed a tap line on V-29 and installed a new distribution substation called White Deer. The new substation was needed to serve increasing distribution loads in the area.
10	Electric Transmission	Cooley	RE	75,853.00	Deaf Smith 230kV Breaker Add - This project created a ring bus on the 230-kV side of the Deaf Smith Substation.
11	Electric Transmission	Cooley	RE	(232.11)	Eddy Co Breakers - This project redesigned the 230-kV bus at Eddy County Interchange and installed two in-line breakers. This project addressed the the reliability compliance issues at the Eddy County Interchange per current NERC Transmission Planning standards.
12	Electric Transmission	Cooley	RE	688,974.57	Eddy County Dbl Bus Dbl Brkr 230kV - This project reconfigured the existing Eddy County Interchange 230-kV bus from a main and transfer bus design to a double bus-double breaker arrangement. This project was required to meet long-term firm transmission service requests in the SPP Aggregate Facility Study SPP-2013-AG3-AFS-6. SPP issued SPS a NTC for this project.
13	Electric Transmission	Cooley	SR	59,365.34	ELR - Breakers - SPS - The term "ELR" stands for End of Life Replacement. This project replaced circuit breakers that had reached the end of their useful life. This work was done at multiple substations as part of a multi-year program to replace breakers that are obsolete, for which parts are no longer available and require significant operations and maintenance spend to keep them in service.

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
14	Electric Transmission	Cooley	SR	1,726,692.11	ELR - Relay - SPS - The term "ELR" stands for End of Life Replacement. This project replaced protective relays that had reached the end of their useful life.
15	Electric Transmission	Cooley	SR	89,449.11	Facility Upgrade Ancillary Equip - This project provided for the replacement of failing switches, jumpers and other ancillary equipment.
16	Electric Transmission	Cooley	OT	351,389.18	Fault Recorders - SPS - This project installed fault recorders for disturbance monitoring at substations.
17	Electric Transmission	Cooley	GI	8,000.00	GEN 2010-14 Novus Wind IV, 358.8 MW - This project added a 345-kV terminal to the 345-kV bus at Hitchland Interchange to provide an interconnection point for the Novus Wind IV wind farm transmission line. The wind farm has a net capacity of 358.8 MW.
18	Electric Transmission	Cooley	GI	10.00	GEN 2011-022 (Firewheel) - This project constructed a new 345-kV terminal at Hitchland Interchange to provide an interconnection point for a new wind farm.
19	Electric Transmission	Cooley	GI	11,000.00	GEN 2012-020 Hale Co Wind, 478MW - This project constructed a new 230-kV terminal for the interconnection of the Hale County wind farm.
20	Electric Transmission	Cooley	GI	668,313.00	GEN 2013 027 Blue Cloud Wind - This project constructed the new 230-kV Needmore Switching Station to accommodate the new wind generation from Blue Cloud Wind.
21	Electric Transmission	Cooley	GI	1,620.36	Gen 2014 047 New 345kV Term at Crossroads - This project constructed a new 345-kV terminal at Crossroads Interchange to provide an interconnection for a new wind farm.
22	Electric Transmission	Cooley	GI	380,457.59	Gen Upgrade Tolk X Reconnector - This project upgraded the two 230-kV lines K-27 and K-45 and the associated line terminals at Tolk Substation and Plant X Substation. These upgrades were shared network upgrade projects identified in SPP's DISIS 2014-002 study to accommodate new generation being added.
23	Electric Transmission	Cooley	GI	380,088.26	GEN-2015-014 Lost Draw Substation - This project constructed the new Lost Draw Switching Station to provide a 115-kV interconnection point for the Wildcat Ranch wind farm.

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(A)		(B)		(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description	
24	Electric Transmission	Cooley	LI	1,379,217.00		Hillside - 2nd DCP 28MVA XFMR - This project reconfigured the 115-kV bus from a radial tap to an in-and-out arrangement and provided the 115-kV equipment to add a second 115/13.2-kV 28 MVA distribution transformer. This work was needed to provide additional capacity to serve new distribution loads in the southwest Amarillo area.	
25	Electric Transmission	Cooley	EC/TI	(10,811.17)		Hitchland to Woodward - This project constructed a double-circuit 345-kV transmission line between the Hitchland Substation, near Guymon, Oklahoma, and OG&E's Woodward Substation, near Woodward, Oklahoma. SPS constructed approximately 30 miles of the line from the Hitchland Substation to OG&E's Beaver County Substation near Beaver, Oklahoma. OG&E constructed the line from the Beaver County Substation to its Woodward Substation. The Project was identified in the SPP's Priority Project Studies. SPP issued SPS a NTC for this project.	
26	Electric Transmission	Cooley	GI/LI	68,519.54		IA Tariff Fund - This project funded the construction of new generation and load delivery points that arose throughout the period.	
27	Electric Transmission	Cooley	RE	12,483,100.82		Ink Basin Substation - This project constructed a new 230/115-kV, three breaker ring bus interchange in the south-central part of Yoakum County, Texas. Existing transmission circuits 115-kV V80 and 230-kV K93 were routed in to and out of the new interchange. A new 230/115-kV, 250 MVA, transformer provides a new source of power for the 115-kV. SPP issued SPS a NTC for this project.	
28	Electric Transmission	Cooley	LI	64,219.86		Interconnection Kemp GSEC RBEC - This project installed three new 115-kV switches on SPS's transmission line T-47 to provide 115-kV service to Rita Blanca Electric Cooperative's new Kemp delivery point.	
29	Electric Transmission	Cooley	LI	7,338,506.52		Interconnection Milwaukee - This project installed the new SPS Quincy Switching Station to provide 115-kV service to South Plains Electric Cooperative to serve new load from thier new Milwaukee Substation.	
30	Electric Transmission	Cooley	LI	274,474.00		Interconnection XTO Mahoney - This project installed the new Mahoney Switching Station to provide a new 230-kV service point to XTO.	
31	Electric Transmission	Cooley	LI	(2,592.66)		Interconnection XTO Poker Cowboy Phase 1 - This project installed two new 115-kV switches on SPS's transmission line W-39 to provide 115-kV service to XTO to serve their new loads in the area.	

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
32	Electric Transmission	Cooley	RE	885,965.15	K32 Terminal Upgrades Potter & Harrington - This project replaced the line terminal equipment for 230-kV line K-32 at Harrington Station and Potter County Interchange. This work was needed to comply with an NTC from SPP requiring a minimum summer emergency rating of 547 MVA for the line and terminals. SPP issued SPS a NTC for this project.
33	Electric Transmission	Cooley	SR	814,424.03	Line ELR SPS - The term "ELR" stands for End of Life Replacement. This project provided for improvement work on transmission lines to address high priority capital defects, such as defective wood poles and cross arms, that were discovered through line inspections. Work in the ELR group included emergent work, planned usually 12 to 18 months in advance of the work being performed. Typically this work replaced capital property units on a like-for-like basis and returned the transmission line to overall good health.
34	Electric Transmission	Cooley	RE	233,493.64	Lubbock S.-Allen Terminal Upgrades - This project rebuilt the 6-mile, 115-kV line from Lubbock South Interchange to Allen Substation. The SPP NTC required a minimum summer emergency rating of 174 MVA for this line and terminals. SPP issued SPS a NTC for this project.
35	Electric Transmission	Cooley	RE	2,474,528.72	Lynn Co. 115/69 Xfmr #1 Upgrade - This project replaced the 40 MVA, 115/69-kV transformer at Lynn County substation with a 84 MVA unit. This project was needed to address the overload of the Lynn County Interchange 115/69-kV circuit 1 transformer for the loss of Lynn County Interchange 115/69-kV circuit 2 transformer. SPP issued SPS a NTC for this project.
36	Electric Transmission	Cooley	RE	132,071.00	Mustang - Seminole 115kV Ckt1 New Line - This project installed a 17-mile, 115-kV line and new line terminals at Mustang Station and Seminole Interchange. The SPP NTC required a minimum summer emergency rating of 240 MVA for the line. SPP issued SPS a NTC for this project.
37	Electric Transmission	Cooley	RE	17,985,296.05	Mustang-Shell CO2 115kV Line - This project constructed a new 115-kV transmission line between the Mustang and Shell CO2 substations. The project was needed to address overloads in the area. SPP issued SPS a NTC for this project.

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
38	Electric Transmission	Cooley	RE	5,635.52	NE Hereford to New Center St. 115 kV Line - This project constructed a new 115-kV line from Northeast Hereford Interchange to a new distribution substation named New Center St. (La Plata) to allow the 69-kV substation to be removed from the 69-kV Hereford Loop. This allowed the Hereford Interchange and the Northeast Hereford Interchange 115/69-kV transformers to stay under their ratings. This project was needed for system reliability. SPP issued SPS a NTC for this project.
39	Electric Transmission	Cooley	RE	175,149.33	NEF Targa Reconnector - This project re-conducted the 6.6-mile, 115-kV transmission circuit running from NEF Substation to the Targa Substation tap. This project was needed to eliminate the overloading of this segment during certain system conditions. SPP issued SPS a NTC for this project.
40	Electric Transmission	Cooley	RE	548,366.56	NERC TPL Relay Improvements - This project installed and replaced relays to comply with the North American Electric Reliability Corporation (NERC) Transmission Planning (TPL) standards at a number of identified substations.
41	Electric Transmission	Cooley	RE	76.45	OPIE 1 Road Runner (Interc Potash Conn) - This project constructed the Roadrunner Substation to connect a new potash mine, Intercontinental Potash, to the 115-kV transmission system in southeast New Mexico. SPP issued SPS a NTC for this project.
42	Electric Transmission	Cooley	RE	(3,503.04)	OPIE 2 China Draw - This project constructed the 115-kV transmission line from North Loving Substation to the China Draw Substation and the transmission substation facilities at China Draw. SPP issued SPS a NTC for this project.
43	Electric Transmission	Cooley	RE	3,401,173.66	OPIE 2 China Draw-Yeso Hills 115kV_PID 30675 - This project constructed a radial 115-kV line from China Draw sub to the new Yeso Hills substation east of China Draw for service to developing loads. The Yeso Hills substation is southwest of Carlsbad, NM. This project was needed for to provide increased reliability in the area.

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
44	Electric Transmission	Cooley	RE/LI	4,150.69	OPIE 2 DCP Zia 2 Quahada Project - This project constructed a new four breaker 115-kV ring bus at the intersection of PCA to Cunningham and Maljamar to Intrepid 115-kV lines. It also constructed the radial tap line to the customer's new substation. SPP issued SPS a NTC for this project.
45	Electric Transmission	Cooley	RE	872,887.38	OPIE 2 Kiowa-Eddy Co 345kV - This project provided for the permit and easement acquisition for an anticipated 30 mile 345-kV line from Eddy County Substation to the Kiowa Substation.
46	Electric Transmission	Cooley	RE	29,141.25	OPIE 2 Kiowa-Road Runner 345kV Conv_PID 30639 - This project replaced the existing 230/115-kV transformer at Roadrunner Substation with a new 345/115-kV transformer, converted the Kiowa to Roadrunner line from 230-kV to 345-kV operation, and constructed a new 345/115-kV double circuit transmission line between the Kiowa and Potash Junction substations. The project was needed for reliability reasons and SPP issued SPS a NTC for the project.
47	Electric Transmission	Cooley	RE	25.83	OPIE 2 Livingston Ridge-Cardinal 115kV_PID 30695 - This project replaced the existing 69-kV Livingston Ridge Substation with a new 115-kV Livingston Ridge Substation near Carlsbad, New Mexico, constructed the new 115-kV Sage Brush Substation near Hobbs, New Mexico, constructed the new Cardinal Substation near Hobbs, New Mexico, and constructed a new 115-kV transmission line between the Livingston Ridge, Sage Brush, and Cardinal Substations. The project was identified by SPP in the High Priority Incremental Load Study ("HPILS"). SPP issued SPS a NTC for this project.
48	Electric Transmission	Cooley	RE	(18,410.28)	OPIE 3 Kiowa-China Draw 345kV_PID 30638 - This project installed new 345/115-kV transformers at North Loving and China Draw substations. It also constructed a new 345-kV transmission line from Kiowa to North Loving to China Draw substation. The project was needed for reliability and SPP issued SPS a NTC for this project.

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Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
49	Electric Transmission	Cooley	LI	131,834.67		OPIE 3 Malaga Bend - This project installed a new 115-kV distribution substation called Malaga Bend as well as two new 115-kV transmission lines, a line approximately 11 miles in length from Malaga Bend Substation to South Loving Substation and a line approximately 10 miles in length from Malaga Bend Substation to Phantom Interchange. This substation was needed to serve the rapidly increasing new distribution loads in the surrounding area.
50	Electric Transmission	Cooley	RE	564.13		OPIE 3 Ponderosa-Custer Mt115kV_PID 30694 - This project constructed a radial 115-kV line from the new Custer Mountain Substation to the new Ponderosa Substation, a distribution substation, located west of Jal, New Mexico. SPP issued SPS a NTC for this project.
51	Electric Transmission	Cooley	RE/LI	329,999.99		OPIE 3 Roadrunner-China Draw 345kV - This project installed a new 345/115-kV transmission interchange called Phantom Interchange as well as two new 345-kV transmission lines, a line approximately 20 miles in length from Phantom Interchange to China Draw Substation and a line approximately 21 miles in length from Phantom Interchange to Roadrunner Interchange. The Phantom Interchange was needed to serve the rapidly increasing new transmission loads in the surrounding area and the looped 345-kV lines were needed to provide the needed reliability to these new loads and the existing transmission system in the area. SPP issued SPS a NTC for this project.
52	Electric Transmission	Cooley	RE	(13,932.59)		OPIE Hobbs-Kiowa 345kV_PID 30637 - This project installed new 345/115-kV transformers at the Hobbs Generating Plant and Kiowa interchanges. It also constructed a new 345-kV transmission line between Hobbs Generating Plant and Kiowa substations. The project was needed for reliability and SPP issued SPS a NTC for this project.
53	Electric Transmission	Cooley	RE	220,722.32		OPIE Potash-Livingston Ridge Recond - This project rebuilt 13.5 miles of 115-kV line between Potash Junction and Livingston Ridge substations. SPP issued SPS a NTC for this project.

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
54	Electric Transmission	Cooley	RE	891.32	OPIE Reconductor_PCA-Quahada - This project wrecked out and rebuilt the 115-kV line between the PCA and Quahada substations near Carlsbad, New Mexico. This project was needed to address overloads in the area. SPP issued SPS a NTC for this project.
55	Electric Transmission	Cooley	RE	83,656,102.32	OPIE TUCO-Hobbs 345kV_PID 30376 - This project constructs a single-circuit 345-kV transmission line between the TUCO Substation, near Lubbock, Texas, the Yoakum Substation in Texas, and the Hobbs Generating Substation near Hobbs, New Mexico. The project was evaluated and identified in the 2013 SPP High Priority Incremental Load Study ("HPILS") as needed for reliability to alleviate loading violations on the underlying network and voltage violations due to insufficient power supply to network load additions. In addition to its reliability benefits, the project was also identified by SPP as providing significant economic benefits. In 2016, SPP issued its Integrated Transmission Planning Near-Term study which identified the TUCO to Yoakum portion of the project as needed as soon as 2017 to mitigate voltage issues in that area. SPP issued SPS NTCs for this project.
56	Electric Transmission	Cooley	RE	1,601.37	Osage Re-termination Project - This project upgraded the 115-kV bus at the Randall County Substation. The project was needed to address overloads at the Osage Substation. SPP issued SPS a NTC for the project.
57	Electric Transmission	Cooley	OT	298,738.60	Physical Security - This project installed Physical Security Upgrades affecting SPS substation protection with specific work varying by substation location, current layout, and threat history. Typical security measures included the installation of equipment such as cameras and motion sensors at substations.
58	Electric Transmission	Cooley	RE	42,046.85	Plainview City Sub Removal - This project removed the 69-kV bus and associated equipment at Plainview City Substation and removed the 69-kV transmission line Z-84 that connected Kiser Substation to Plainview City Substation. The Kiser Substation replaced the Plainview City Substation. SPP issued SPS a NTC for this project.

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(A)	(B)	(C)	(D)	(E)	(F)	
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
59	Electric Transmission	Cooley	LI	(140,065.33)		RB - Purnell Sub - This project installed a new 115-kV terminal at SPS's XIT Substation to provide 115-kV service to Rita Blanca Electric Cooperative to serve new load from its new Wolves Substation.
60	Electric Transmission	Cooley	RE	56,162.31		Roswell Loop - This project constructed a new 115-kV line between the Chaves County, Price and Capitan substations along with the conversion of the Price 69-kV substation to 115-kV. This project is on the north side of Roswell, New Mexico. SPP issued SPS a NTC for this project.
61	Electric Transmission	Cooley	RE	(0.39)		Roswell-Capitan - This project constructed a new 115-kV line between the Capitan, Price, and Chaves Substations near Roswell, NM. This project provided additional load serving and helped eliminate contingency issues on the 69-kV system. SPP issued SPS a NTC for this project.
62	Electric Transmission	Cooley	SR	5,087,522.61		S&E - SPS Line - These projects provided for the storm and emergency work orders for the replacement or capital repair of transmission line facilities damaged by inclement weather or natural disasters. Interchange.
63	Electric Transmission	Cooley	SR	771,280.37		S&E - SPS Sub - These projects provided for the storm and emergency work orders that repaired substation facilities damaged by inclement weather and natural disasters.
64	Electric Transmission	Cooley	RE	2,539,746.43		seminole intg 230/115kV xfmr #1 & #2 upgrades - This project replaced the two 230/115-kV transformers at Seminole Interchange with two 246/283 MVA units. This project was needed for regional reliability to address the overload of the Seminole 230/115-kV transformers for the outage of the parallel Seminole 230/115-kV transformer. SPP issued SPS a NTC for this project.
65	Electric Transmission	Cooley	RE	126,295.70		Sierra Substation (RIAC Conversion) - This project constructed a new 115-kV distribution substation and converted 2 miles of 69-kV transmission line to 115-kV operation. This project moved load from the 69-kV system to the 115-kV system, eliminating the contingency overloading problem on the 115/69-kV transformers at Roswell Interchange. SPP issued SPS a NTC for this project.

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
66	Electric Transmission	Cooley	RE	64,194.08	Soncy Dist. Transformer Conv. - This project converted the 69-kV Soncy Substation distribution transformer and transmission line to 115-kV operation. This was needed to reduce the loading on the 69-kV underground cable from Lawrence Park Substation. SPP issued SPS a NTC for this project.
67	Electric Transmission	Cooley	OT	2,216.76	SPS Asset Sales - This project sold SPS assets to Sharyland Utilities and sold a 69-kV line to Lea County Electric Cooperative.
68	Electric Transmission	Cooley	RE	469,332.06	SPS Facility Rating Mitigation - This project upgraded the 115-kV transmission terminal equipment at Carlisle Interchange and Yuma Interchange to match the rating of transmission line T-71. This project was needed to prevent operational issues when the loading on this line exceeded its previous lower rating.
69	Electric Transmission	Cooley	SR	9,151.81	SPS Group 1 Switch Replacements - These projects replaced old high-maintenance or broken switches with new switches.
70	Electric Transmission	Cooley	SR	1,220,877.27	SPS Line Capacity - This project surveyed and verified the line ratings of the SPS transmission system for lines above 100-kV. This project is a required response to a North American Electric Reliability Corporation ("NERC") Facility Ratings Alert, issued October 7, 2010 and updated on November 30, 2010, requiring transmission owners to verify that transmission line ratings are based on actual field conditions and, if not, perform necessary activities to base ratings on actual field conditions. The survey was done using Light Detection And Ranging ("LiDAR") technology that uses a laser to make highly accurate distance measurements. This project provided for the survey work and any mitigations that were needed to raise the facility capacity ratings if the field results were less than expected.
71	Electric Transmission	Cooley	SR	43,301.17	SPS Major Line Refurbishment - This project refurbished various 230-kV lines in the SPS system.

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
72	Electric Transmission	Cooley	OT	(2,414.90)	SPS Sub Communication Network Group 1 - These projects provided for the construction of a fiber optics communication infrastructure within the SPS region. The first leg of a multi-year effort will start in the Amarillo area by installing Optical Ground Wire ("OPGW") in the static position on selected transmission lines to create a redundant fiber optic communication ring with access to the Amarillo Transmission Operations Center. This ring provides redundant protection paths for the line sections on which the OPGW is installed as well as provides redundant paths for the Supervisory Control And Data Acquisition ("SCADA") system.
73	Electric Transmission	Cooley	OT	22,733.46	SPS Sub Communication Network Group 2 - These projects provided for the construction of a fiber optics communication infrastructure within the SPS region. This second leg is the continuation of a multi-year effort in the Amarillo area for installing Optical Ground Wire ("OPGW") in the static position on selected transmission lines to create a redundant fiber optic communication ring with access to the Amarillo Transmission Operations Center. This ring provides redundant protection paths for the line sections on which the OPGW is installed as well as provides redundant paths for the Supervisory Control And Data Acquisition ("SCADA") system.
74	Electric Transmission	Cooley	RE	51.25	STEP Newhart Interchange - This project constructed a new 230/115-kV interchange and substation with associated 115-kV transmission lines near Hart, Texas. The project upgraded the transmission system in this area and relieved high transmission loadings on the central part of the SPS transmission system in Castro, Parmer, Swisher, Bailey, Lamb and Hale counties. SPP issued SPS a NTC for this project.
75	Electric Transmission	Cooley	RE	6,690.00	sundown-amoco switch 230kV terminals - This project upgraded the 230-kV Sundown and Amoco station line terminals and increased the transmission line clearance of the 230-kV line from Amoco to Sundown to provide a summer emergency rating of 547 MVA for this line segment. The system limitation caused by this line was identified in SPP's 2016 Near Term study. SPP issued SPS a NTC for this project.

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
76	Electric Transmission	Cooley	RE	32,500.00	Tierra Blanca 115kV Substation - This project installed a new 115-kV switching station named Tierra Blanca located approximately one-half mile south of Deaf Smith County Interchange and replaced the relay packages on the remote end line terminals of Deaf Smith Interchange, Hereford Interchange, Northeast Hereford Substation, Castro County Interchange and Canyon West Substation. This switching station mitigates thermal and voltage issues for certain contingencies in the Hereford area.
77	Electric Transmission	Cooley	GI	2,203,625.00	Tuco Intg 345/230kV Auto #1 upgrade - This project upgraded the 345/230-kV transformer at TUCO Interchange. This project was one of the shared network upgrades required for the connection of generation projects approved by SPP in their DISIS 2014-002 study.
78	Electric Transmission	Cooley	EC/TI	466.28	TUCO Mooreland (Woodward) - This project constructed a single-circuit 345-kV transmission line between the TUCO Substation, near Lubbock, Texas, and Oklahoma Gas & Electric's ("OG&E") Woodward Substation near Woodward, Oklahoma. SPS constructed the line between the TUCO Substation and OG&E's Border Substation near the Texas and Oklahoma border and OG&E constructed the line from the Border Substation to the Woodward Substation. The Project was identified in the SPP's Balanced Portfolio Economic Studies. SPP issued SPS a NTC for this project.
79	Electric Transmission	Cooley	RE	209,736.54	TUCO S 230 115 Xfmr Upgrade - This project replaced the existing 230/115-kV, 250 MVA circuit 1 autotransformer at TUCO Substation with a new 284 MVA autotransformer. This project was needed to achieve a minimum emergency rating of 273 MVA for both the circuit 1 and circuit 2, 230/115-kV autotransformers at TUCO Substation. SPP issued SPS a NTC for this project.
80	Electric Transmission	Cooley	SR	206,433.52	Unserviceable - Relays - SPS - This project replaced relays determined to be unserviceable during maintenance or testing activities.

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
81	Electric Transmission	Cooley	RE	500.00	W26 Byrd Tap-Cooper Reconnector - This project rebuilt the 4.9-mile, 115-kV line from Byrd Substation Tap to Cooper Ranch Substation to achieve a minimum summer emergency rating of 166 MVA to address regional reliability issues. SPP issued SPS a NTC for this project.
82	Electric Transmission	Cooley	RE	500.00	W-26 Cooper Ranch-Oil Ctr wreck out rebuild - This project rebuilt the 3.5-mile, 115-kV line from Cooper Ranch Substation to Oil Center Substation to achieve a minimum summer emergency rating of 163 MVA to address regional reliability issues. SPP issued SPS a NTC for this project.
83	Electric Transmission	Cooley	RE	100,000.00	W26 Reconnector Cunningham-Monument Tap - This project rebuilt the 6.5-mile, 115-kV line from Cunningham Generation Plant to Monument Substation Tap to achieve a minimum summer emergency rating of 184 MVA to address regional reliability issues. SPP issued SPS a NTC for this project.
84	Electric Transmission	Cooley	RE	19,973.44	W40 Reconnector Canyon West-Deaf Smith - This project wrecked out and rebuilt 26 miles of 115-kV transmission line running from Canyon West Substation to Deaf Smith Interchange. This project was needed to eliminate the overloading of this segment during certain system conditions. SPP issued SPS a NTC for this project.
85	Electric Transmission	Cooley	RE	68,584.19	W77 Canyon East Tap to Arrowhead - This project rebuilt 115-kV line W77 from Canyon East tap to Arrowhead substation to provide a higher line capacity. SPP issued SPS a NTC for this project.
86	Electric Transmission	Cooley	RE	3,870,272.30	W77 T75 Reconnector Arrowhead to Randall - This project rebuilt approximately 3.5 miles of double-circuit 115-kV transmission line, W77 (Canyon-West to Randall) and T-75 (Osage to Amarillo South) with phase conductors with a minimum of 240 MVA Summer Emergency rating. This project mitigates the overload of the Randall-Canyon East 115-kV line for various outages like the Bushland Interchange to Deaf Smith County Interchange 230-kV. SPP issued SPS a NTC for this project.

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	(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
87	Electric Transmission	Cooley	LI	35,000.00		Western St Sub (TAM) - This project installed a 28 MVA, 115/13.2-kV distribution substation named Western Street located in Amarillo, Texas. This substation was needed to serve new load in the area and to provide contingency back-up capacity for the other distribution substations in the area.
88	Electric Transmission	Cooley	RE	3,290,947.76		Yoakum Intg. 230/115 Transformer Upgrades - This project replaced the two existing 230/115-kV, 150 MVA autotransformers at Yoakum County Interchange with two new 250 MVA transformers. This project was needed to prevent the overloading of one of the 150 MVA transformers for the contingency of the other 150 MVA transformer being unavailable. SPP issued SPS a NTC for this project.
89	Electric Transmission	Cooley	RE	354,659.95		Z66 Booker/Wade Conversion - This project removed the existing 69-kV line Z-66 (Perryton to Booker) and replaced it with a new 115-kV transmission line. It also converted the existing Wade and Booker substations to 115-kV operation. This project mitigated low voltage and overload conditions due to a Hitchland-Ochiltree 230-kV line outage and allows for future load growth in the area. The new source for these substations is the Ochiltree Substation 115-kV bus.
90	Total Electric Transmission					
91				\$ 160,109,222.79	\$ 2,772,446.22	
92	April-June 2019 Budget Amounts					
93	Electric General Plant	Cooley	LI	\$ 17,320.07		Chevron South Eddy Fields Load Addition - This project installed a three-way 115-kV switch on transmission line W-87 west of China Draw substation to provide a new 115-kV service point for a new substation owned by Chevron.
94	Electric General Plant	Cooley	RE	282,621.36		Deaf Smith 230kV Breaker Add - This project created a ring bus on the 230-kV side of the Deaf Smith Substation.
95	Electric General Plant	Cooley	RE	99,108.33		Eddy County Dbl Bus Dbl Brkr 230kV - This project reconfigured the existing Eddy County Interchange 230-kV bus from a main and transfer bus design to a double bus-double breaker arrangement. This project was required to meet long-term firm transmission service requests in the SPP Aggregate Facility Study SPP-2013-AG3-AFS-6. SPP issued SPS a NTC for this project.

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
96	Electric General Plant	Cooley	SR	126,185.66	ELR - Relay - SPS - The term "ELR" stands for End of Life Replacement. This project replaced protective relays that had reached the end of their useful life.
97	Electric General Plant	Cooley	SR	283,005.94	Facility Upgrade Ancillary Equip - This project provided for the replacement of failing switches, jumpers and other ancillary equipment.
98	Electric General Plant	Cooley	OT	0.45	Fault Recorders - SPS - This project installed fault recorders for disturbance monitoring at substations.
99	Electric General Plant	Cooley	OT	57.70	General Furniture - This project is for purchasing furniture, typically a desk and chairs, for control houses located in substations.
100	Electric General Plant	Cooley	RE	91,199.91	GSEC GB NP Howard-Miami - This project rebuilt the existing 69-kV line with a new line using larger conductor and insulated for 115-kV in preparation for future conversion to 115-kV operation. SPP issued SPS a NTC for this project.
101	Electric General Plant	Cooley	RE	311,381.00	Ink Basin Substation - This project constructed a new 230/115-kV, three breaker ring bus interchange in the south-central part of Yoakum County, Texas. Existing transmission circuits 115-kV V80 and 230-kV K93 were routed in to and out of the new interchange. A new 230/115-kV, 250 MVA, transformer provides a new source of power for the 115-kV. SPP issued SPS a NTC for this project.
102	Electric General Plant	Cooley	LI	406,056.57	Interconnection Milwaukie - This project installed the new SPS Quincy Switching Station to provide 115-kV service to South Plains Electric Cooperative to serve new load from thier new Milwaukie Substation.
103	Electric General Plant	Cooley	LI	50,000.00	Interconnection XTO Mahoney - This project installed the new Mahoney Switching Station to provide a new 230-kV service point to XTO.
104	Electric General Plant	Cooley	RE	93,102.77	Lynn Co. 115/69 Xfmr #1 Upgrade - This project replaced the 40 MVA, 115/69-kV transformer at Lynn County substation with a 84 MVA unit. This project was needed to address the overload of the Lynn County Interchange 115/69-kV circuit 1 transformer for the loss of Lynn County Interchange 115/69-kV circuit 2 transformer. SPP issued SPS a NTC for this project.

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Transmission

(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
105	Electric General Plant	Cooley	RE	301,326.16	Mustang-Shell CO2 115kV Line - This project constructed a new 115-kV transmission line between the Mustang and Shell CO2 substations. The project was needed to address overloads in the area. SPP issued SPS a NTC for this project.
106	Electric General Plant	Cooley	RE	38,870.41	OPIE 2 Kiowa-Road Runner 345kV Conv_PID 30639 - This project replaced the existing 230/115-kV transformer at Roadrunner Substation with a new 345/115-kV transformer, converted the Kiowa to Roadrunner line from 230-kV to 345-kV operation, and constructed a new 345/115-kV double circuit transmission line between the Kiowa and Potash Junction substations. The project was needed for reliability reasons and SPP issued SPS a NTC for the project.
107	Electric General Plant	Cooley	RE	23.42	OPIE 3 Kiowa-China Draw 345kV_PID 30638 - This project installed new 345/115-kV transformers at North Loving and China Draw substations. It also constructed a new 345-kV transmission line from Kiowa to North Loving to China Draw substation. The project was needed for reliability and SPP issued SPS a NTC for this project.
108	Electric General Plant	Cooley	RE	22,194.63	OPIE TUCO-Hobbs 345kV_PID 30376 - This project constructs a single-circuit 345-kV transmission line between the TUCO Substation, near Lubbock, Texas, the Yoakum Substation in Texas, and the Hobbs Generating Substation near Hobbs, New Mexico. The project was evaluated and identified in the 2013 SPP High Priority Incremental Load Study ("HPILS") as needed for reliability to alleviate loading violations on the underlying network and voltage violations due to insufficient power supply to network load additions. In addition to its reliability benefits, the project was also identified by SPP as providing significant economic benefits. In 2016, SPP issued its Integrated Transmission Planning Near-Term study which identified the TUCO to Yoakum portion of the project as needed as soon as 2017 to mitigate voltage issues in that area. SPP issued SPS NTCs for this project.

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(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
109	Electric General Plant	Cooley	OT	468,247.45	Physical Security - This project installed Physical Security Upgrades affecting SPS substation protection with specific work varying by substation location, current layout, and threat history. Typical security measures included the installation of equipment such as cameras and motion sensors at substations.
110	Electric General Plant	Cooley	LI	1,789,522.53	RB - Purnell Sub - This project installed a new 115-kV terminal at SPS's XIT Substation to provide 115-kV service to Rita Blanca Electric Cooperative to serve new load from its new Wolves Substation.
111	Electric General Plant	Cooley	OT	30,000.00	RTU - EMS Upgrade - SPS - This project replaced remote terminal units ("RTUs") that were at the end of their useful service life.
112	Electric General Plant	Cooley	SR	24,445.10	S&E - SPS Sub - These projects provided for the storm and emergency work orders that repaired substation facilities damaged by inclement weather and natural disasters.
113	Electric General Plant	Cooley	OT	368,724.03	Security Access Control System - This project replaced the existing standard locks on substation entry gates with locks that use an electronic key to restrict substation access to authorized personnel and to meet compliance requirements.
114	Electric General Plant	Cooley	RE	4,005.64	seminole intg 230/115kV xfmr #1 & #2 upgrades - This project replaced the two 230/115-kV transformers at Seminole Interchange with two 246/283 MVA units. This project was needed for regional reliability to address the overload of the Seminole 230/115-kV transformers for the outage of the parallel Seminole 230/115-kV transformer. SPP issued SPS a NTC for this project.
115	Electric General Plant	Cooley	OT	144,708.67	SPS Checkpoint Firewalls - This project installed firewall hardware on the fiber optics communications system, which is located on the transmission lines and substations. These firewall hardware installations were needed to provide data security for the data being transmitted over the fiber optic communication system.
116	Electric General Plant	Cooley	RE	72,740.30	SPS Walkemeyer 345 115 280 MVA SUB - This project constructed the new Carpenter Switching Station (formerly Stevens County) which is located on the 345-kV line from Hitchland Interchange to Finney Switching Station. This project was needed to address low voltages in the area. SPP issued SPS a NTC for this project.

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(A)		(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
117	Electric General Plant	Cooley	OT	29,831.73		Tools - Engineering - This project purchased capital tools for engineering purposes, such as relays and test equipment for commissioning laboratories.
118	Electric General Plant	Cooley	OT	171,568.83		Tools COM Substation - These projects purchased capital tools for construction and maintenance activities.
119	Electric General Plant	Cooley	OT	42,497.15		Tools Line Field Ops - This project purchased capital tools for the construction of capital projects.
120	Electric General Plant	Cooley	OT	2,858.05		Tools STAC - This project installed a firewall between the Remote Terminal Units ("RTU") at the Substation Technical Application Center (STAC) and the SPS Transmission Operations Center to provide required data security.
121	Electric General Plant	Cooley	OT	15,710.45		Tools System Protection Comm Eng - This project purchased the equipment panels for the Substation Design, Substation Communications, and System Protection Engineering Lab. These equipment panels have been used to mount the protective relaying, communication relaying, power supplies, and metering equipment used in the lab. These panels and equipment are being used for research and development of advanced communication and protection relaying schemes as well as for event analysis and troubleshooting of field situations that require engineering support.
122	Electric General Plant	Cooley	OT	90,890.79		Tools, Training Center - This project purchased capital tools to construct capital projects and capital tools to be used in the training center.
123	Electric General Plant	Cooley	OT	454,872.11		Transportation - SPS - These projects purchased fleet vehicles for operation in the SPS area. The vehicles included automobiles, trucks, heavy vehicles such as bucket trucks, high-reach bucket trucks, hole-diggers, and trailers. Without these vehicles, crews would not have access to a predictable and reliable method of transport nor have the necessary equipment to perform needed transmission construction work.
124	Total Electric General Plant			\$ 5,833,077.21	\$ 272,611.20	
125						
126	Grand Total			\$ 165,942,300.00	\$ 3,045,057.43	

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Distribution

(A)	(B)	(C)	(D)	(E)	(F)	
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
April-June 2019 Budget Amounts						
1	Electric Distribution	Meeks	New Business	\$ 1,365.75		TX OH Extension and Services: This project is to extend new OH distribution lines and services to serve new load.
2	Electric Distribution	Meeks	New Business	(75,430.04)		TX OH Extension and Services: This project is to extend new OH distribution lines and services to serve new load.
3	Electric Distribution	Meeks	Distribution Line and Substation Capacity	(856.95)		TX OH Reinforcements: This project is to reinforce or reconductor existing distribution lines to serve new or existing customers.
4	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	28.53		NM OH Relocations, Rebuilds and Conversions: This project consists of costs to relocate, rebuild or convert existing distribution line facilities.
5	Electric Distribution	Meeks	New Business	1,299.13		TX OH Extension and Services: This project is to extend new OH distribution lines and services to serve new load.
6	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	329,179.13		TX OH Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
7	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	28,070.82		Retire existing substation assets
8	Electric Distribution	Meeks	Distribution Line and Substation Capacity	46,106.37		Install new Outpost Feeders: Install new feeders associated with a new substation driven by a TXDOT relocation to expand Loop 335 Highway.
9	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	(90.59)		Retire existing substation assets
10	Electric Distribution	Meeks	Distribution Line and Substation Capacity	3,012,076.82		Install Hillside #2 Transformer and Feeders: This project is to install a new substation transformer and associated feeders to serve general load growth in the Hillside area.
11	Electric Distribution	Meeks	Distribution Line and Substation Capacity	664,516.89		Install Hillside #2 Transformer and Feeders: This project is to install a new substation transformer and associated feeders to serve general load growth in the Hillside area.
12	Electric Distribution	Meeks	New Business	10.65		NM OH Extension and Services: This project is to extend new OH distribution lines and services to serve new load.
13	Electric Distribution	Meeks	New Business	(4,057.30)		TX OH Extension and Services: This project is to extend new OH distribution lines and services to serve new load.
14	Electric Distribution	Meeks	New Business	1,477.21		TX OH Extension and Services: This project is to extend new OH distribution lines and services to serve new load.
15	Electric Distribution	Meeks	New Business	8,844.64		NM OH Extension and Services: This project is to extend new OH distribution lines and services to serve new load.

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(A)	(B)	(C)	(D)	(E)	(F)	
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
16	Electric Distribution	Meeks	New Business	0.01		Pearl-Lea Rd Sub Tie: This project is to install new OH distribution line to serve new load.
17	Electric Distribution	Meeks	New Business	(53,252.02)		NM UG Extension and Services: This project is to extend new UG distribution lines and services in order to serve new load.
18	Electric Distribution	Meeks	Distribution Line and Substation Capacity	5.46		TX OH Reinforcements: This project is to reinforce or reconductor existing distribution lines to serve new or existing customers.
19	Electric Distribution	Meeks	Distribution Line and Substation Capacity	65,699.82		Install Ponderosa Feeder: This project is to install a new feeder to serve new load.
20	Electric Distribution	Meeks	Distribution Line and Substation Capacity	(1.71)		Convert Soncy Substation: Convert Soncy Substation from 69kV to 115kV and convert existing feeder line voltage
21	Electric Distribution	Meeks	New Business	6,461.46		TX OH Extension and Services: This project is to extend new OH distribution lines and services to serve new load.
22	Electric Distribution	Meeks	New Business	(0.84)		NM OH Extension and Services: This project is to extend new OH distribution lines and services to serve new load.
23	Electric Distribution	Meeks	New Business	1,479.23		NM UG Extension and Services: This project is to extend new UG distribution lines and services in order to serve new load.
24	Electric Distribution	Meeks	New Business	78.26		TX UG Extension and Services: This project is to extend new UG distribution lines and services in order to serve new load.
25	Electric Distribution	Meeks	Outdoor/Area Lighting	1,042.62		NM OH Street Light: This project is to install new OH street lights.
26	Electric Distribution	Meeks	Outdoor/Area Lighting	581.57		TX OH Street Light: This project is to install new OH street lights.
27	Electric Distribution	Meeks	Outdoor/Area Lighting	(25.35)		TX OH Street Light: This project is to install new OH street lights.
28	Electric Distribution	Meeks	Outdoor/Area Lighting	1,571.76		TX OH Street Light: This project is to install new OH street lights.
29	Electric Distribution	Meeks	Outdoor/Area Lighting	(0.32)		NM OH Street Light: This project is to install new OH street lights.
30	Electric Distribution	Meeks	Outdoor/Area Lighting	(983.22)		TX UG Street Light: This project is to install new UG street lights.
31	Electric Distribution	Meeks	Outdoor/Area Lighting	(95.25)		NM UG Street Light: This project is to install new UG street lights.
32	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	135.59		NM UG Extension and Services: This project is to extend new UG distribution lines and services in order to serve new load.
33	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	567.73		TX OH Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
34	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	0.07		TX Pole Replacement and Reinforcement: This project is to replace and reinforce existing poles.
35	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	(1,652.43)		TX OH Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.

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Distribution

(A)	(B)	(C)	(D)	(E)	(F)	
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
36	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	(591.62)		TX OH Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
37	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	(1,455.95)		NM OH Relocations, Rebuilds and Conversions: This project consists of costs to relocate, rebuild or convert existing distribution line facilities.
38	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	25,671.91		SPS Storm Recovery Project - TX: This project is for costs associated with SPS's Storm response.
39	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	(1,219.28)		TX Pole Replacement and Reinforcement: This project is to replace and reinforce existing poles.
40	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	62,645.36		TX OH Line Rebuild and Obsolete Voltage Conversion: Rebuild and Convert OH lines to address reliability issues with aged infrastructure and obsolete voltage equipment
41	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	8,163.30		Convert Booker Substation: This project includes costs to install a new substation and associated feeders to convert Booker Substation from 69kV to 115kV.
42	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	26,669.18		Convert Plainview Substation Transformer from 69kV to 115kV.
43	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	(4,342.55)		TX UG Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
44	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	1,309.71		NM UG Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
45	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	70.43		TX OH Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
46	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	(659.15)		TX OH Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
47	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	(5.10)		NM OH Relocations, Rebuilds and Conversions: This project consists of costs to relocate, rebuild or convert existing distribution line facilities.
48	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	(141,569.06)		TX Pole Replacement and Reinforcement: This project is to replace and reinforce existing poles.
49	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	(245.68)		TX UG Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
50	Electric Distribution	Meeks	Distribution Line and Substation Capacity	5,488.28		Substation Land - New Mexico: This project is for the purchase of Land and ROW for new substations.

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(A)	(B)	(C)	(D)	(E)	(F)	
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
51	Electric Distribution	Meeks	Distribution Line and Substation Capacity	144,600.06		Substation Land - TX: This project is for the purchase of Land and ROW for new substations.
52	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	250,440.28		TX Substation Asset Replacement: This blanket project involves the replacement of Substation equipment and the money properly spent on those assets that can be capitalized.
53	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	4,383.67		Retire existing substation assets
54	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	629,819.03		Purchase spare transformer to be used in the event of a transformer failure.
55	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	119,911.86		TX Substation Asset Replacement: This blanket project involves the replacement of Substation equipment and the money properly spent on those assets that can be capitalized.
56	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	36,085.25		Substation Relay Replacement: Replace existing substation relay equipment that has reached end of life.
57	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	1,920.65		Substation Fence Improvements: Replace or install substation fences to mitigate public safety and reliability impacts.
58	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	15,838.18		SCADA Monitoring: Install SCADA monitoring at existing substations where it does not currently exist.
59	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	16,367.65		Wreck out Muleshoe East: This project is to remove and wreck out existing distribution substation facilities in support of related voltage conversion work.
60	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	3,793.49		Spare Transformer Replacement: This project is to replace the existing substation spare transformer.
61	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	424,935.77		Retire existing substation assets
62	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	121,425.77		NM Substation Asset Replacement: This blanket project involves the replacement of Substation equipment and the money properly spent on those assets that can be capitalized.
63	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	(2.96)		Convert Portales South: This project includes costs to convert the Portales South Substation 69kV to 115kV as well as associated feeder conversion work.
64	Electric Distribution	Meeks	Distribution Line and Substation Capacity	104,940.00		Convert Soncy Substation: Convert Soncy Substation from 69kV to 115kV and convert existing feeder line voltage

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Distribution

(A)	(B)	(C)	(D)	(E)	(F)	
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
65	Electric Distribution	Meeks	Distribution Line and Substation Capacity	185,495.28		Convert Soncy Substation: Convert Soncy Substation from 69kV to 115kV and convert existing feeder line voltage
66	Electric Distribution	Meeks	Distribution Line and Substation Capacity	891.65		Pringle Oil Field: Upgrade the existing Pringle Oil Field transformer to serve new customer load.
67	Electric Distribution	Meeks	Purchases	179,610.03		TX-Dist Sub Communication Equipment: This project includes all of the communication assets installed or replaced in distribution substations in Texas.
68	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	962,697.24		SPS Storm Recovery Project - TX: This project is for costs associated with SPS's Storm response.
69	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	100,519.22		TX Pole Replacement and Reinforcement: This project is to replace and reinforce existing poles.
70	Electric Distribution	Meeks	Purchases	26,322.82		TX Locates: This project contains costs for underground facility locates.
71	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	186,923.92		NM OH Line Rebuild and Obsolete Voltage Conversion: Rebuild and Convert OH lines to address reliability issues with aged infrastructure and obsolete voltage equipment
72	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	181,060.32		SPS Storm Recovery Project-NM: This project is for costs associated with SPS's Storm response.
73	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	108,645.81		NM Pole Replacement and Reinforcement: This project is to replace and reinforce existing poles.
74	Electric Distribution	Meeks	Purchases	23,700.61		NM Locates: This project contains costs for underground facility locates.
75	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	1.09		NM OH Line Conversion and Obsolete Voltage Conversion: Rebuild and Convert OH lines to address reliability issues with aged infrastructure and obsolete voltage equipment
76	Electric Distribution	Meeks	New Business	(270,005.44)		TX CIAC in Support Reconstruction or customer-driven work: This project consists of customer payments for work performed.
77	Electric Distribution	Meeks	New Business	(209,750.00)		NM CIAC in Support Reconstruction or customer-driven work: This project consists of customer payments for work performed.
78	Electric Distribution	Meeks	New Business	9,960.92		TX CIAC in Support Reconstruction Work: This project consists of payments due to facility damage.
79	Electric Distribution	Meeks	New Business	882,547.40		TX OH Extension and Services: This project is to extend new OH distribution lines and services to serve new load.

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(A)		(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
80	Electric Distribution	Meeks	New Business	289,845.78		TX UG Extension and Services: This project is to extend new UG distribution lines and services in order to serve new load.
81	Electric Distribution	Meeks	New Business	194,648.90		TX OH Extension and Services: This project is to extend new OH distribution lines and services to serve new load.
82	Electric Distribution	Meeks	New Business	247,991.89		TX UG Extension and Services: This project is to extend new UG distribution lines and services in order to serve new load.
83	Electric Distribution	Meeks	Outdoor/Area Lighting	16,428.17		TX ST LT Rebuilds: This project is to replace or rebuild street light facilities
84	Electric Distribution	Meeks	Outdoor/Area Lighting	26,801.99		TX ST LT Rebuilds: This project is to replace or rebuild street light facilities
85	Electric Distribution	Meeks	New Business	1,672,550.25		NM OH Extension and Services: This project is to extend new OH distribution lines and services to serve new load.
86	Electric Distribution	Meeks	New Business	(52,887.93)		NM UG Extension and Services: This project is to extend new UG distribution lines and services in order to serve new load.
87	Electric Distribution	Meeks	New Business	102,763.57		NM OH Extension and Services: This project is to extend new OH distribution lines and services to serve new load.
88	Electric Distribution	Meeks	New Business	63,502.87		NM UG Extension and Services: This project is to extend new UG distribution lines and services in order to serve new load.
89	Electric Distribution	Meeks	Outdoor/Area Lighting	7,306.56		NM OH Street Light: This project is to install new OH street lights.
90	Electric Distribution	Meeks	Outdoor/Area Lighting	28,236.12		NM ST LT Rebuilds: This project is to replace or rebuild street light facilities
91	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	325,625.35		TX OH Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
92	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	22,204.15		TX UG Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
93	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	121,781.76		NM OH Relocations, Rebuilds and Conversions: This project consists of costs to relocate, rebuild or convert existing distribution line facilities.
94	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	54,871.32		NM UG Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
95	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	1,302,764.05		TX OH Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
96	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	54,352.55		TX UG Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.

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Distribution

(A)	(B)	(C)	(D)	(E)	(F)	
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
97	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	4,205.84		TX OH Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
98	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	42,326.53		TX UG Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
99	Electric Distribution	Meeks	Outdoor/Area Lighting	145,095.57		TX ST LT Rebuilds: This project is to replace or rebuild street light facilities
100	Electric Distribution	Meeks	Outdoor/Area Lighting	12,985.73		TX ST LT Rebuilds: This project is to replace or rebuild street light facilities
101	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	2,016,155.44		TX Pole Replacement and Reinforcement: This project is to replace and reinforce existing poles.
102	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	834,305.99		NM OH Relocations, Rebuilds and Conversions: This project consists of costs to relocate, rebuild or convert existing distribution line facilities.
103	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	39,068.29		NM UG Relocations, Rebuilds and Conversions: This project is to relocate, rebuild or convert existing distribution line facilities.
104	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	1,135.54		NM OH Relocations, Rebuilds and Conversions: This project consists of costs to relocate, rebuild or convert existing distribution line facilities.
105	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	878.94		NM OH Relocations, Rebuilds and Conversions: This project consists of costs to relocate, rebuild or convert existing distribution line facilities.
106	Electric Distribution	Meeks	Outdoor/Area Lighting	170,849.92		NM ST LT Rebuilds: This project is to replace or rebuild street light facilities
107	Electric Distribution	Meeks	Outdoor/Area Lighting	178,063.08		NM ST LT Rebuilds: This project is to replace or rebuild street light facilities
108	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	1,469,502.50		NM Pole Replacement and Reinforcement: This project is to replace and reinforce existing poles.
109	Electric Distribution	Meeks	Distribution Line and Substation Capacity	198,839.48		TX OH Reinforcements: This project is to reinforce or reconductor existing distribution lines to serve new or existing customers.
110	Electric Distribution	Meeks	Distribution Line and Substation Capacity	70,415.33		TX UG Reinforcements: This project is to reinforce or reconductor existing distribution lines to serve new or existing customers.
111	Electric Distribution	Meeks	Distribution Line and Substation Capacity	98,113.06		NM OH Reinforcements: This project is to reinforce or reconductor existing distribution lines to serve new or existing customers.
112	Electric Distribution	Meeks	Distribution Line and Substation Capacity	18,264.05		NM UG Reinforcements: This project is to reinforce or reconductor existing distribution lines to serve new or existing customers.

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Distribution

(A)		(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
113	Electric Distribution	Meeks	New Business	411,805.97		Extend service to serve new customer request and set primary meter at Striker well site.
114	Electric Distribution	Meeks	Purchases	16,333.44		NM ROW: This project contains costs for securing ROW and permitting in support of capital projects.
115	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	240,224.35		Purchase spare transformer to be used in the event of a transformer failure.
116	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	2,534,120.08		Purchase mobile transformer to be used in the event of a substation transformer failure.
117	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	548,177.02		Replace end of life transformer to continue serving load in the Plainview region.
118	Electric Distribution	Meeks	Distribution Line and Substation Reconstruction	607.82		Retire existing substation assets
119	Electric Distribution	Meeks	Purchases	2,005,824.00		TX Transformer Purchase: This project is for distribution transformer purchases.
120	Electric Distribution	Meeks	Purchases	668,608.00		NM Transformer Purchase: This project is for distribution transformer purchases.
121	Electric Distribution	Meeks	Purchases	1,326,312.00		TX Meter Purchase: This project is for the purchase of new electric meters.
122	Electric Distribution	Meeks	Purchases	441,792.00		NM Meter Purchase: This project consists of costs for the purchase of new electric meters.
123	Total Electric Distribution			\$ 26,229,960.17	\$ 68,358.55	
124						
125				April-June 2019 Budget Amounts		
126	Electric General Plant	Meeks	Purchases	\$ 175,582.01		TX-Dist Sub Communication Equipment: This project includes all of the communication assets installed or replaced in distribution substations in Texas.
127	Electric General Plant	Meeks	Purchases	45,625.77		SPS-Dist Sub Communication Equipment: This project includes all of the communication assets installed or replaced in distribution substations in Texas.
128	Electric General Plant	Meeks	Purchases	105,606.90		NM-Dist Sub Communication Equipment: This project includes all of the communication assets installed or replaced in distribution substations in New Mexico.

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Distribution

(A)	(B)	(C)	(D)	(E)	(F)	
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
129	Electric General Plant	Meeks	Purchases	8,035.35		TX Tools and Equipment: This project provides the funds to purchase tools and equipment necessary to support distribution work.
130	Electric General Plant	Meeks	Purchases	12,628.71		TX Frame Relay Replacement: This project is to replace existing Frame Relay communication circuits.
131	Electric General Plant	Meeks	Purchases	217,235.95		TX Tools and Equipment: This project provides the funds to purchase tools and equipment necessary to support distribution work.
132	Electric General Plant	Meeks	Purchases	105,112.86		NM Tools and Equipment: This project provides the funds to purchase tools and equipment necessary to support distribution work.
133	Electric General Plant	Meeks	Purchases	957,144.44		TX Tools and Equipment: This project provides the funds to purchase tools and equipment necessary to support distribution work.
134	Electric General Plant	Meeks	Purchases	6,407.00		TX-Dist Sub Communication Equipment: This project includes all of the communication assets installed or replaced in distribution substations in Texas.
135	Electric General Plant	Meeks	Purchases	4,120.00		NM-Dist Sub Communication Equipment: This project includes all of the communication assets installed or replaced in distribution substations in New Mexico.
136	Electric General Plant	Meeks	Purchases	120,126.27		TX Tools and Equipment: This project provides the funds to purchase tools and equipment necessary to support distribution work.
137	Electric General Plant	Meeks	Purchases	(1.22)		TX Fleet: This project is to purchase fleet vehicles and equipment in support of distribution work.
138	Electric General Plant	Meeks	Purchases	314,756.45		TX Fleet: This project is to purchase fleet vehicles and equipment in support of distribution work.
139	Electric General Plant	Meeks	Purchases	201,716.74		NM Fleet: This project is to purchase fleet vehicles and equipment in support of distribution work.
140	Electric General Plant	Meeks	Purchases	37,826.43		NM Tools and Equipment: This project provides the funds to purchase tools and equipment necessary to support distribution work.
141	Total Electric General Plant			\$ 2,311,923.66	\$ 108,048.68	
142						
143	Grand Total			\$ 28,541,883.83	\$ 176,407.23	

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Business Systems

(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
April-June 2019 Budget Amounts					
1	Electric General Plant	Harkness	Aging Technology	\$ 192.40	The Dynamic Energy Management System project replaced the legacy Energy Management System ("EMS"). The DEMS system operates, monitors, and controls SPS and Xcel Energy's electric transmission and distribution facilities. The legacy EMS was outdated and not compliant with new NERC CIP Cyber Security requirements.
2	Electric General Plant	Harkness	Aging Technology	2,070,330.68	This project includes costs for expanded private radio coverage in SE New Mexico due to replacing aging equipment at an existing site and additional equipment to establish two new radio tower sites. The radio tower sites are necessary for communication with field personnel.
3	Electric General Plant	Harkness	Enhance Capabilities	459,721.75	This project is necessary to implement new network infrastructure to support SPS wind farms. The project includes installing local and wide-area connections to the construction trailers, the facility buildings, and the collector substations at the wind farm sites.
4	Electric General Plant	Harkness	Enhance Capabilities	41,508.11	These projects involve the purchase of hardware necessary to provide wireless access across Xcel Energy. These projects will enable mobility for those with laptops or tablets, which is more flexible than wired networking.
5	Electric General Plant	Harkness	Cyber Security	912.65	This is part of a security camera upgrade project, including the necessary software and cabling. The legacy security camera system was reaching the end-of-life and did not provide the required level of security observation.
6	Electric General Plant	Harkness	Enhance Capabilities	421.14	These projects involve the purchase of hardware necessary to provide wireless access across Xcel Energy. These projects will enable mobility for those with laptops or tablets, which is more flexible than wired networking.
7	Electric General Plant	Harkness	Enhance Capabilities	0.83	These projects involve the purchase of hardware necessary to provide wireless access across Xcel Energy. These projects will enable mobility for those with laptops or tablets, which is more flexible than wired networking.

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Business Systems

(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
8	Electric General Plant	Harkness	Enhance Capabilities	191,180.42	These projects involve the purchase of hardware necessary to provide wireless access across Xcel Energy. These projects will enable mobility for those with laptops or tablets, which is more flexible than wired networking. This project is the planned or scheduled replacement of aging personal computers ("PCs"), including laptops and desktops, when they reach the end of their useful lives.
9	Electric General Plant	Harkness	Aging Technology	13,864.57	
10	Electric General Plant	Harkness	Aging Technology	(3,803.92)	This project is the planned or scheduled replacement of aging personal computers ("PCs"), including laptops and desktops, when they reach the end of their useful lives.
11	Electric General Plant	Harkness	Aging Technology	20.00	These projects involve the purchase of hardware necessary to provide wireless access across Xcel Energy. These projects will enable mobility for those with laptops or tablets, which is more flexible than wired networking.
12	Electric General Plant	Harkness	Aging Technology	139,788.29	This project is the planned or scheduled replacement of aging personal computers ("PCs"), including laptops and desktops, when they reach the end of their useful lives.
13	Electric General Plant	Harkness	Aging Technology	75,784.44	These projects involve the purchase of hardware necessary to provide wireless access across Xcel Energy. These projects will enable mobility for those with laptops or tablets, which is more flexible than wired networking.
14	Electric General Plant	Harkness	Aging Technology	26.39	This project is the planned or scheduled replacement of aging personal computers ("PCs"), including laptops and desktops, when they reach the end of their useful lives.
15	Electric General Plant	Harkness	Aging Technology	23,079.11	This project replaced aging mobile data collectors used for meter reading.
16	Electric General Plant	Harkness	Aging Technology	28,870.67	The WAN SPS project is necessary to implement WAN reliability and capacity improvements for Distribution and Transmission substations, Energy Supply sites, Service Centers and third parties.
17	Electric General Plant	Harkness	Aging Technology	61,398.79	The WAN SPS project is necessary to implement WAN reliability and capacity improvements for Distribution and Transmission substations, Energy Supply sites, Service Centers and third parties.

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Business Systems

(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
18	Electric General Plant	Harkness	Aging Technology	154,194.01	The WAN SPS project is necessary to implement WAN reliability and capacity improvements for Distribution and Transmission substations, Energy Supply sites, Service Centers and third parties.
19	Electric General Plant	Harkness	Aging Technology	0.32	These are annual projects that provide for the planned, scheduled replacement of aging local area network and wide area network components such as routers and hubs as they reach the end of their useful lives and are no longer supported by the vendor. Replacement of these components is necessary to ensure continued efficiency and reliable operations.
20	Electric General Plant	Harkness	Aging Technology	20.00	Annual Server Refresh project replaces of aging servers prior to failure to support business growth and maintain reliability.
21	Electric General Plant	Harkness	Aging Technology	2,568.69	Annual Server Refresh project replaces of aging servers prior to failure to support business growth and maintain reliability.
22	Electric General Plant	Harkness	Aging Technology	5,085.94	This annual project contains costs for the replacement of data storage hardware that is no longer cost-effective to support or that presents a significant risk to operations due to aging components or lack of vendor support.
23	Electric General Plant	Harkness	Aging Technology	8,712.05	The voice over internet protocol ("VOIP") projects replace aging and unsupported phone systems at several facilities. The existing systems have become unreliable and/or of insufficient capacity to properly accommodate the growth in staff at these facilities.
24	Electric General Plant	Harkness	Aging Technology	10,361.84	Amarillo Headquarters moved to a new building at 790 Buckhannon Street. This project establishes the network infrastructure for the new building.
25	Electric General Plant	Harkness	Enhance Capabilities	(0.01)	The WAN SPS project is necessary to implement WAN reliability and capacity improvements for Distribution and Transmission substations, Energy Supply sites, Service Centers and third parties.
26	Electric General Plant	Harkness	Aging Technology	(131.96)	These are annual projects that provide for the planned, scheduled replacement of aging local area network and wide area network components as they reach end of life.

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Business Systems

(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
27	Electric General Plant	Harkness	Aging Technology	82,973.35	The project will replace aging server infrastructure and install new version of Configuration Manager. This system deploys software, Operating Systems, and security patches to workstations and servers within the Xcel Energy network.
28	Electric General Plant	Harkness	Cyber Security	391,820.82	This is part of a security camera upgrade project, including the necessary software and cabling. The legacy security camera system was reaching the end-of-life and did not provide the required level of security observation. The new system allows security personnel to work more efficiently.
29	Electric General Plant	Harkness	Cyber Security	163,540.18	This is part of a security camera upgrade project, including the necessary software and cabling. The legacy security camera system was reaching the end-of-life and did not provide the required level of security observation. The new system allows security personnel to work more efficiently.
30	Electric General Plant	Harkness	Aging Technology	521,136.42	The WAN SPS project is necessary to implement WAN reliability and capacity improvements for Distribution and Transmission substations, Energy Supply sites, Service Centers and third parties. This project addresses business needs related to increased substation communications reliability; high-speed digital access for operations, maintenance, and security; and the ability to analyze data to improve reliability and operations.
31	Electric General Plant	Harkness	Aging Technology	397,971.11	Implementation of reliable satellite connections in all Xcel Energy regions. Satellite connections that have already been deployed lack dynamic addressing which inhibits automated emergency cutover and do not meet performance requirements.

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Business Systems

(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
32	Electric General Plant	Harkness	Aging Technology	1,853,677.78	In addition to budgeting and planning for capital spending on known projects, Xcel Energy also knows needs will arise during the year that will require investment even if the specific project is not able to be identified at the start of the budget year. This project includes that type of investment. Specifically, the investment was necessary for wide area network ("WAN") reliability and capacity improvements for transmission and distribution substations, generation facilities, service centers, and third-party sites. It includes replacement of frame relay technology, unplanned circuit improvements, and security upgrades.
33	Electric General Plant	Harkness	Aging Technology	108,180.87	In addition to budgeting and planning for capital spending on known projects, Xcel Energy also knows needs will arise during the year that will require investment even if the specific project is not able to be identified at the start of the budget year. This project includes that type of investment. Specifically, the investment was necessary for wide area network ("WAN") reliability and capacity improvements for transmission and distribution substations, generation facilities, service centers, and third-party sites. It includes replacement of frame relay technology, unplanned circuit improvements, and security upgrades.
34	Electric General Plant	Harkness	Emergent Demand	191,428.50	This project in the Emergent Demand category is a capital investment account created to ensure that Business Systems is able to meet unanticipated aging technology, cyber security threats, and efficiency needs that inevitably emerge each year. The Emergent Demand account allows Business Systems to address these types of issues without unnecessarily delaying or cancelling previously-planned projects or otherwise absorbing unplanned work and costs.
35	Electric General Plant	Harkness	Emergent Demand	80,877.13	This project in the Emergent Demand category is a capital investment account created to ensure that Business Systems is able to meet unanticipated aging technology, cyber security threats, and efficiency needs that inevitably emerge each year. The Emergent Demand account allows Business Systems to address these types of issues without unnecessarily delaying or cancelling previously-planned projects or otherwise absorbing unplanned work and costs.

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Business Systems

(A)	(B)	(C)	(D)	(E)	(F)	
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
36	Electric General Plant	Harkness	Aging Technology	81,911.75		This project involves the technical and data storage portions of the Transmission unmanned aircraft system effort and involves integrating data obtained by unmanned aircraft into existing modeling tools and asset condition reports required for NERC compliance and maintenance planning.
37	Electric General Plant	Harkness	Aging Technology	21,235.00		This annual project includes costs for replacing end-of-life servers, routers, switches, and other hardware that supports electric and gas system operations, including generation, dispatch, transmission, and distribution.
38	Electric General Plant	Harkness	Aging Technology	8,740.58		Planned PC Refresh is the replacement of aging laptops, desktops, and printers when they reach end-of-life.
39	Electric General Plant	Harkness	Aging Technology	6,284.73		Planned PC Refresh is the replacement of aging laptops, desktops, and printers when they reach end-of-life.
40	Electric General Plant	Harkness	Aging Technology	51,104.40		Annual Server Refresh project replaces of aging servers prior to failure to support business growth and maintain reliability.
41	Electric General Plant	Harkness	Aging Technology	9,781.23		This annual project contains costs for the replacement of data storage hardware that is no longer cost-effective to support or that presents a significant risk to operations due to aging components or lack of vendor support.
42	Total Electric General Pl			\$ 7,254,771.05	\$ 339,054.64	
43						
44						
45	Electric General - Software	Harkness	Enhance Capabilities	\$ 162.37		Implement a tool that will allow consolidation of multiple existing tools for the management of corporate giving into a single solution. This will provide new data analysis opportunities, and enhance employee and customer engagement. Programs included are grant management, matching gifts, United Way campaign, Dollars for Doers, and Sponsorships.
46	Electric General - Software	Harkness	Aging Technology	1,923.19		This cost is for the purchase of the software necessary to upgrade the corporate email system from from Microsoft Exchange 2007 to 2013. Exchange 2007 is near end-of-life and requires extended support.

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Business Systems

(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
47	Electric General - Software Harkness		Aging Technology	806.94	Technology and process to centralize and manage File Transfer Protocol and data transmissions allowing for more complete lockdown of the use of USB storage devices.
48	Electric General - Software Harkness		Aging Technology	33,664.10	Technology and process to centralize and manage File Transfer Protocol and data transmissions allowing for more complete lockdown of the use of USB storage devices.
49	Electric General - Software Harkness		Cyber Security	13,531.35	This project includes costs for a software purchase and the implementation of a tool to manage digital certificates and encryption keys. These enable the secure transfer of data by positively identifying an entity and encrypting the data shared with that entity.
50	Electric General - Software Harkness		Aging Technology	30,677.81	This cost is for the purchase of the software necessary to upgrade the corporate email system from Microsoft Exchange 2007 to 2013. Exchange 2007 is near end-of-life and requires extended support.
51	Electric General - Software Harkness		Enhance Capabilities	715,629.30	This project creates a central repository that can house the inventory of all network assets. This inventory will include wireless networks, fiber, physical locations, WAN circuits, network hardware components, etc. In addition, the system provides geospatial visualization of the entire communications network, and provides real-time network monitoring for enhanced network reliability and security.
52	Electric General - Software Harkness		Aging Technology	19,945.68	This project creates a central repository that can house the inventory of all network assets. This inventory will include wireless networks, fiber, physical locations, WAN circuits, network hardware components, etc. In addition, the system provides geospatial visualization of the entire communications network, and provides real-time network monitoring for enhanced network reliability and security.
53	Electric General - Software Harkness		Cyber Security	97,210.00	This project is necessary to update critical cyber security technology including perimeter security, internal infrastructure security, application security, and vulnerability management to protect sensitive customer and business information. This project will ensure that Xcel Energy meets applicable legal and regulatory obligations and risk management objectives.

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Business Systems

(A)	(B)	(C)	(D)	(E)	(F)	
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
54	Electric General - Software Harkness		Cyber Security	(513.06)		This project replaced Xcel Energy’s security incident & event Management (“SIEM”) system, ArcSight. ArcSight resided on hardware that was at end of life, and the software license required renewal. This investment helps ensure that security-related events are managed effectively and with appropriate confidentiality.
55	Electric General - Software Harkness		Enhance Capabilities	2,980.01		This project involved the building of a mobile computing framework and supporting infrastructure to empower business users, including field personnel, by extending and delivering corporate application and data access to mobile devices.
56	Electric General - Software Harkness		Aging Technology	(0.04)		The project replaced aging server infrastructure and install new version of Microsoft Configuration Manager. This application deploys software, operating systems, and security patches to workstations and servers within the Xcel Energy network.
57	Electric General - Software Harkness		Aging Technology	210,776.93		This project involves the replacement of the Microsoft Active Directory infrastructure at 28 sites across Xcel Energy, as well as an upgrade of the Active Directory software to the most recent version. Active Directory authenticates and authorizes users and computers in a Microsoft Windows domain.
58	Electric General - Software Harkness		Aging Technology	5.90		WebSphere is a core component of multiple critical systems, including the enterprise service bus which enables the integration between multiple applications. This project will maintain compliance with Websphere software licensing terms.
59	Electric General - Software Harkness		PTT	138,806.63		This project implements SAP Solutions Manager (software and supporting hardware). This tool adds automation to the movement of new code as it progresses through the various test environments and then into production. This eliminates time-consuming manual migration of changes between environments, and eliminates most opportunities to introduce human error into the process.
60	Electric General - Software Harkness		Aging Technology	201,452.31		This project contains costs necessary for upgrading the outage management system, Oracle Network Management System (“NMS”). The system was nearing the end of its useful life, and the upgrade was required to retain full vendor support and to ensure operational reliability.

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Business Systems

(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
61	Electric General - Software Harkness		Aging Technology	628,387.00	This project is necessary to upgrade CommodityXL (CXL) to keep the application in line with the latest technology architecture standards and new functionality enhancements made by the vendor. This includes migrating away from Oracle 11G that is no longer supported.
62	Electric General - Software Harkness		Aging Technology	115,905.33	This is a project to assess and build NERC compliance-related business functions in the Archer application, Xcel Energy's governance, risk management and compliance ("GRC") tool. This project will streamline several business functions including audit preparation, internal controls, standards development & implementation, and issue evaluation & remediation.
63	Electric General - Software Harkness		Aging Technology	237,615.05	This project involves negotiation and renewal of the license agreement for the Open Source International Plant Information ("PI") system. PI is used to monitor generation plants in real time. The existing licensing agreement expired in 2018.
64	Electric General - Software Harkness		Enhance Capabilities	3,605.16	The Project implements mobile technology for Property Services maintenance and operations creating process improvements and efficiencies as tickets can be created, updated, worked and closed in the field. Better analytics as a result of more timely, consistent and accurate data is logged.
65	Electric General - Software Harkness		Enhance Capabilities	266,589.26	This project leverages automation technologies, such as robotic process automation, smart workflows, and natural language processing to streamline workloads. For example, the tool can be used to automate what had been a time-consuming, manually created report, reducing errors and freeing personnel to focus on higher value work.
66	Electric General - Software Harkness		Aging Technology	30,284.28	The project updates Utilities International's Regulatory Information System, including upgrading to the current version of the tool, and upgrading server hardware supporting it. In addition to preserving operational stability, the update will remediate known security vulnerabilities related to the Java platform.

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Business Systems

(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
67	Electric General - Software Harkness		Aging Technology	113.16	This project involves the technical and data storage portions of the Transmission unmanned aircraft system effort and involves integrating data obtained by unmanned aircraft into existing modeling tools and asset condition reports required for NERC compliance and maintenance planning.
68	Electric General - Software Harkness		Enhance Capabilities	123,561.73	This project is for creating and enabling the basic private cloud services, including virtualization and automation of disaster recovery, network and server creation within contained environments, basic auditing and reporting services, and enabling future public cloud usage.
69	Electric General - Software Harkness		Enhance Capabilities	47,489.73	This project is for creating and enabling the basic private cloud services, including virtualization and automation of disaster recovery, network and server creation within contained environments, basic auditing and reporting services, and enabling future public cloud usage.
70	Electric General - Software Harkness		Aging Technology	139,000.00	The project creates the ability to automate certain tasks performed by Xcel Energy's application development and IT operations teams. This will streamline the provisioning of environments, deployment of applications, and the maintenance of the Unix server infrastructure.
71	Electric General - Software Harkness		Aging Technology	72,000.00	The project is for licensing to support infrastructure and operations. The project will update devices to run on current and proper versions of licensed software, including patches and functional improvements.
72	Electric General - Software Harkness		Aging Technology	31,483.14	The project updates the Sum Total expense reporting application to the current version. The tool is necessary to manage employee expenses effectively. The existing version is at end of life.
73	Electric General - Software Harkness		Enhance Capabilities	42,815.70	The project is to upgrade the Landworks Property Management System used by Siting and Land Rights personnel to manage land assets and rights of way.
74	Electric General - Software Harkness		Enhance Capabilities	16,759.61	This project was necessary to upgrade SharePoint 2007 to the current version (SharePoint 2016 and SharePoint Online). SharePoint is a web application that enables employees to collaborate from across all business units, and to work more efficiently by letting users share documents and data while maintaining security and version control.

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Business Systems

(A) Line No.	(B) Asset Class	(C) Witness	(D) Project Category	(E) Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	(F) Total Affiliate Charges (Included in Column D)	(G) Project Description
75	Electric General - Software	Harkness	Aging Technology	(0.02)		This project provides a single enterprise project management solution (EPM) to replace multiple stand-alone, incompatible project management tools. Some of these tools do not reside on production servers, or are otherwise not supported by IT.
76	Total Electric General - Software			\$ 3,222,668.55	\$ 2,684,756.37	
77						
78	Grand Total			\$ 10,477,439.60	\$ 3,023,811.01	

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Property Services

(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)
				April-June 2019 Budget Amounts	
1	Electric General Plant	Bick	Building & Infrastructure	\$ 80,951.72	This project is for the furniture for the Canyon Service Center, including office and individual workstations furniture and chairs, conference room and breakroom table and chairs. This also includes other furniture needs in SPS. Final invoices were paid after in service for a few final change orders and retainage which was held until construction was completed to SPS's specification.
2	Electric General Plant	Bick	Building & Infrastructure	2,401.68	This project is for the renovation of approximately 13,870 SF of existing space at the Clovis Service Center to consolidate staff from two locations to one in areas where service centers and customer offices were proximate in order to decrease capital and operating costs. This amount includes the final billing for the construction company for the renovation.
3	Total Electric General Pl			\$ 83,353.40	\$ 3,895.55

Southwestern Public Service Company
Capital Additions
April 1, 2019 through June 30, 2019
Enterprise Security

	(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Asset Class	Witness	Project Category	Additions to Plant-in-Service (Apr. 2019 - Jun. 2019)	Total Affiliate Charges (Included in Column D)	Project Description
April-June 2019 Budget Amounts						
1	Electric General Plant	Brown	Security - Controls & Monitoring	\$ 636,102.05		Replacement and installation for security card access readers and security cameras.
2	Total Electric General Pl			\$ 636,102.05	\$ 29,728.48	

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2017					
		July	August	September	October	November	December
Electric Intangible Plant							
1	CWIP Beginning Balance	27,441,580	28,630,574	30,024,921	30,806,550	14,104,985	14,143,484
2	CWIP Expenditures	1,685,041	2,023,617	1,500,498	1,781,447	1,139,360	5,860,713
3	AFUDC Debt	36,419	38,232	40,084	27,190	11,340	13,844
4	AFUDC Equity	68,563	67,892	71,180	51,171	20,500	25,030
5	Closings to Plant	(601,029)	(735,394)	(830,133)	(18,561,373)	(1,132,700)	(5,811,908)
6	Total Electric Intangible Plant	28,630,574	30,024,921	30,806,550	14,104,985	14,143,484	14,231,164
Electric Steam Production Plant							
7	CWIP Beginning Balance	3,668,148	3,418,689	3,814,703	6,511,066	9,413,114	5,826,318
8	CWIP Expenditures	405,758	2,293,104	3,059,536	4,203,053	3,347,397	5,282,941
9	AFUDC Debt	6,044	5,892	8,465	13,195	11,116	10,666
10	AFUDC Equity	12,060	10,463	15,033	24,129	20,218	19,284
11	Closings to Plant	(673,321)	(1,913,446)	(386,671)	(1,338,330)	(6,965,527)	(4,272,904)
12	Total Electric Steam Production Plant	3,418,689	3,814,703	6,511,066	9,413,114	5,826,318	6,866,305
Electric Other Production Plant							
13	CWIP Beginning Balance	4,818,033	5,552,330	6,233,857	10,578,592	11,111,390	11,631,664
14	CWIP Expenditures	906,739	627,621	4,393,240	503,626	498,525	876,815
15	AFUDC Debt	5,525	13,035	13,773	17,966	18,872	19,934
16	AFUDC Equity	(6,950)	40,871	24,459	32,927	34,121	36,041
17	Closings to Plant	(171,016)	-	(86,736)	(21,721)	(31,245)	(170,491)
18	Total Electric Other Production Plant	5,552,330	6,233,857	10,578,592	11,111,390	11,631,664	12,393,962
Electric Transmission Plant							
19	CWIP Beginning Balance	156,987,756	174,600,736	201,043,733	226,799,546	235,675,548	246,946,038
20	CWIP Expenditures	19,415,427	29,053,321	27,361,634	28,627,526	45,396,898	39,666,655
21	AFUDC Debt	312,577	336,497	376,670	403,585	414,856	433,742
22	AFUDC Equity	601,841	597,545	668,918	741,751	750,065	784,269
23	Closings to Plant	(2,716,865)	(3,544,366)	(2,651,409)	(20,896,861)	(35,291,329)	(18,138,311)
24	Total Electric Transmission Plant	174,600,736	201,043,733	226,799,546	235,675,548	246,946,038	269,692,393
Electric Distribution Plant							
25	CWIP Beginning Balance	24,103,652	22,232,278	21,891,298	21,958,225	23,320,072	22,081,863
26	CWIP Expenditures	2,974,066	5,080,335	7,871,124	5,882,630	4,947,789	8,625,161
27	AFUDC Debt	31,914	32,445	32,694	33,729	34,545	29,876
28	AFUDC Equity	60,220	57,614	58,064	62,033	62,458	54,427
29	Closings to Plant	(4,937,573)	(5,511,374)	(7,894,954)	(4,616,545)	(6,283,001)	(3,817,728)
30	Total Electric Distribution Plant	22,232,278	21,891,298	21,958,225	23,320,072	22,081,863	26,973,599
Electric General Plant							
31	CWIP Beginning Balance	15,791,457	17,358,068	13,234,718	15,787,531	17,484,263	21,813,631
32	CWIP Expenditures	2,502,783	3,517,638	4,373,431	3,769,173	5,450,617	12,823,946
33	AFUDC Debt	20,094	18,858	19,330	22,244	24,344	26,393
34	AFUDC Equity	38,050	33,488	34,326	40,840	44,019	47,717
35	Closings to Plant	(994,316)	(7,693,333)	(1,874,275)	(2,135,524)	(1,189,612)	(12,993,815)
36	Total Electric General Plant	17,358,068	13,234,718	15,787,531	17,484,263	21,813,631	21,717,872
37	Total Electric Utility	251,792,674	276,243,230	312,441,510	311,109,371	322,442,998	351,875,295

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2018					
		January	February	March	April	May	June
Electric Intangible Plant							
1	CWIP Beginning Balance	14,231,164	14,861,015	16,305,068	17,396,607	18,276,885	18,616,929
2	CWIP Expenditures	847,620	1,552,997	1,071,488	1,040,916	919,142	1,709,435
3	AFUDC Debt	8,375	12,703	14,619	16,029	17,300	18,827
4	AFUDC Equity	15,604	25,976	27,538	30,720	39,248	38,483
5	Closings to Plant	(241,747)	(147,624)	(22,106)	(207,387)	(635,646)	(631,513)
6	Total Electric Intangible Plant	14,861,015	16,305,068	17,396,607	18,276,885	18,616,929	19,752,161
Electric Steam Production Plant							
7	CWIP Beginning Balance	6,866,305	7,278,191	8,766,967	10,024,589	11,209,776	15,814,727
8	CWIP Expenditures	1,162,500	1,476,634	3,807,735	4,010,552	5,346,575	3,624,132
9	AFUDC Debt	11,915	13,704	16,205	18,223	22,478	24,546
10	AFUDC Equity	22,032	28,003	30,540	34,925	50,313	50,173
11	Closings to Plant	(784,560)	(29,566)	(2,596,858)	(2,878,513)	(814,415)	(7,699,928)
12	Total Electric Steam Production Plant	7,278,191	8,766,967	10,024,589	11,209,776	15,814,727	11,813,650
Electric Other Production Plant							
13	CWIP Beginning Balance	12,393,962	12,877,748	13,529,585	14,297,602	18,443,492	25,911,338
14	CWIP Expenditures	433,363	587,858	691,053	4,104,741	7,531,820	207,493,205
15	AFUDC Debt	21,574	22,801	24,175	28,330	37,623	223,572
16	AFUDC Equity	39,893	46,774	45,471	54,296	83,559	456,986
17	Closings to Plant	(11,043)	(5,596)	7,317	(41,477)	(185,156)	(235,057)
18	Total Electric Other Production Plant	12,877,748	13,529,585	14,297,602	18,443,492	25,911,338	233,850,044
Electric Transmission Plant							
19	CWIP Beginning Balance	269,692,393	286,714,195	286,190,263	222,053,268	204,162,910	140,053,666
20	CWIP Expenditures	18,293,799	23,445,579	16,155,855	24,239,716	17,360,130	25,165,246
21	AFUDC Debt	483,058	503,462	452,236	377,024	315,202	249,103
22	AFUDC Equity	893,249	1,033,520	847,072	722,578	749,177	509,175
23	Closings to Plant	(2,648,304)	(25,506,493)	(81,592,158)	(43,229,676)	(82,533,752)	(27,198,355)
24	Total Electric Transmission Plant	286,714,195	286,190,263	222,053,268	204,162,910	140,053,666	138,778,834
Electric Distribution Plant							
25	CWIP Beginning Balance	26,973,599	43,158,513	20,568,615	25,095,907	29,937,726	24,366,146
26	CWIP Expenditures	5,878,909	7,214,602	8,117,764	8,041,073	4,846,700	3,629,125
27	AFUDC Debt	39,936	30,172	34,481	37,179	33,902	30,133
28	AFUDC Equity	73,847	64,374	64,706	71,254	78,176	61,593
29	Closings to Plant	10,192,222	(29,899,045)	(3,689,659)	(3,307,687)	(10,530,358)	(5,316,280)
30	Total Electric Distribution Plant	43,158,513	20,568,615	25,095,907	29,937,726	24,366,146	22,770,717
Electric General Plant							
31	CWIP Beginning Balance	21,717,872	21,405,775	19,387,440	18,229,186	17,571,768	18,388,516
32	CWIP Expenditures	(483,734)	1,650,192	3,996,892	2,276,821	2,587,752	3,455,382
33	AFUDC Debt	27,162	27,124	27,675	27,387	27,248	27,415
34	AFUDC Equity	50,227	55,799	52,012	52,484	62,623	56,037
35	Closings to Plant	94,249	(3,751,450)	(5,234,833)	(3,014,110)	(1,860,875)	(773,174)
36	Total Electric General Plant	21,405,775	19,387,440	18,229,186	17,571,768	18,388,516	21,154,177
37	Total Electric Utility	386,295,437	364,747,938	307,097,158	299,602,557	243,151,322	448,119,583

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2018					
		July	August	September	October	November	December
Electric Intangible Plant							
1	CWIP Beginning Balance	19,752,161	16,722,549	18,668,648	18,839,750	20,441,359	19,865,437
2	CWIP Expenditures	1,263,627	1,908,417	1,365,074	1,934,210	1,798,788	2,507,015
3	AFUDC Debt	18,447	20,740	22,053	23,391	23,840	20,952
4	AFUDC Equity	45,520	45,072	47,927	50,834	51,814	45,534
5	Closings to Plant	(4,357,206)	(28,130)	(1,263,952)	(406,826)	(2,450,365)	(5,606,281)
6	Total Electric Intangible Plant	16,722,549	18,668,648	18,839,750	20,441,359	19,865,437	16,832,657
Electric Steam Production Plant							
7	CWIP Beginning Balance	11,813,650	12,721,181	16,039,167	18,400,375	24,669,871	14,124,660
8	CWIP Expenditures	2,563,955	1,690,293	5,867,679	6,958,498	2,646,305	5,592,855
9	AFUDC Debt	19,420	24,298	29,085	36,431	32,731	22,252
10	AFUDC Equity	48,464	52,805	63,207	79,172	71,130	48,358
11	Closings to Plant	(1,724,307)	1,550,589	(3,598,762)	(804,605)	(13,295,377)	(8,172,200)
12	Total Electric Steam Production Plant	12,721,181	16,039,167	18,400,375	24,669,871	14,124,660	11,615,925
Electric Other Production Plant							
13	CWIP Beginning Balance	233,850,044	239,015,717	243,233,960	256,180,469	356,203,820	423,215,809
14	CWIP Expenditures	3,966,856	3,091,901	11,602,964	98,367,217	65,086,049	143,430,040
15	AFUDC Debt	393,949	409,564	425,487	521,667	663,996	845,438
16	AFUDC Equity	890,153	890,066	924,669	1,133,687	1,442,997	1,837,305
17	Closings to Plant	(85,284)	(173,287)	(6,611)	780	(181,054)	(329,123)
18	Total Electric Other Production Plant	239,015,717	243,233,960	256,180,469	356,203,820	423,215,809	568,999,469
Electric Transmission Plant							
19	CWIP Beginning Balance	138,778,834	154,691,736	175,500,317	186,627,682	205,782,198	219,988,423
20	CWIP Expenditures	20,781,747	27,917,580	19,742,282	22,169,680	28,392,869	14,904,368
21	AFUDC Debt	95,874	279,757	307,482	331,601	361,005	354,356
22	AFUDC Equity	334,474	607,975	668,221	720,635	784,540	773,297
23	Closings to Plant	(5,299,194)	(7,996,731)	(9,590,620)	(4,067,400)	(15,332,189)	(29,366,161)
24	Total Electric Transmission Plant	154,691,736	175,500,317	186,627,682	205,782,198	219,988,423	206,654,284
Electric Distribution Plant							
25	CWIP Beginning Balance	22,770,717	24,453,824	26,029,193	28,152,765	32,134,067	32,713,786
26	CWIP Expenditures	11,146,816	8,204,382	7,154,751	10,014,936	8,096,807	9,435,601
27	AFUDC Debt	28,774	29,956	32,222	35,933	38,880	29,559
28	AFUDC Equity	71,156	65,101	70,025	78,090	84,493	64,238
29	Closings to Plant	(9,563,639)	(6,724,070)	(5,133,427)	(6,147,657)	(7,640,461)	(24,734,635)
30	Total Electric Distribution Plant	24,453,824	26,029,193	28,152,765	32,134,067	32,713,786	17,508,550
Electric General Plant							
31	CWIP Beginning Balance	21,154,177	22,842,842	24,938,322	26,109,935	30,320,573	29,470,895
32	CWIP Expenditures	4,058,912	2,581,196	4,704,665	5,461,806	5,196,696	8,072,495
33	AFUDC Debt	27,680	31,232	26,637	29,359	30,642	31,289
34	AFUDC Equity	67,821	67,873	57,985	63,804	66,603	68,389
35	Closings to Plant	(2,465,748)	(584,821)	(3,617,674)	(1,344,331)	(6,143,619)	(10,195,583)
36	Total Electric General Plant	22,842,842	24,938,322	26,109,935	30,320,573	29,470,895	27,447,484
37	Total Electric Utility	470,447,850	504,409,608	534,310,976	669,551,888	739,379,009	849,058,368

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2019					
		January	February	March	April	May	June
Electric Intangible Plant							
1	CWIP Beginning Balance	16,832,657	17,924,991	18,497,701	20,811,277	21,704,609	22,106,665
2	CWIP Expenditures	1,327,980	1,687,485	3,572,401	1,426,250	2,063,464	1,804,095
3	AFUDC Debt	18,889	16,910	17,728	21,118	21,534	21,982
4	AFUDC Equity	41,778	40,069	39,373	48,255	49,204	50,228
5	Closings to Plant	(296,312)	(1,171,753)	(1,315,926)	(602,291)	(1,732,145)	(888,233)
6	Total Electric Intangible Plant	17,924,991	18,497,701	20,811,277	21,704,609	22,106,665	23,094,737
Electric Steam Production Plant							
7	CWIP Beginning Balance	11,615,925	12,376,624	16,729,906	21,422,987	22,206,830	20,203,896
8	CWIP Expenditures	2,416,398	4,431,979	5,110,150	6,707,197	9,599,207	4,498,488
9	AFUDC Debt	20,708	24,638	32,706	37,303	36,813	30,297
10	AFUDC Equity	45,800	57,874	72,862	85,235	84,116	69,228
11	Closings to Plant	(1,722,206)	(161,209)	(522,636)	(6,045,892)	(11,723,070)	(9,880,149)
12	Total Electric Steam Production Plant	12,376,624	16,729,906	21,422,987	22,206,830	20,203,896	14,921,760
Electric Other Production Plant							
13	CWIP Beginning Balance	568,999,469	586,802,514	602,057,446	626,430,999	648,309,462	655,421,744
14	CWIP Expenditures	14,598,209	11,819,903	20,960,405	18,297,146	11,795,738	34,349,854
15	AFUDC Debt	1,001,488	1,011,355	1,059,589	1,115,593	1,115,593	584,927
16	AFUDC Equity	2,215,029	2,386,924	2,353,215	2,491,537	2,549,094	1,336,538
17	Closings to Plant	(11,681)	36,750	344	(623)	(8,348,142)	(682,027,740)
18	Total Electric Other Production Plant	586,802,514	602,057,446	626,430,999	648,309,462	655,421,744	9,665,323
Electric Transmission Plant							
19	CWIP Beginning Balance	206,654,284	235,560,046	263,755,776	263,064,618	246,868,011	160,320,797
20	CWIP Expenditures	33,454,553	29,269,296	21,931,119	20,855,083	19,984,372	13,807,815
21	AFUDC Debt	381,376	382,229	431,287	467,365	350,582	252,421
22	AFUDC Equity	843,644	917,691	957,915	1,066,915	801,066	576,774
23	Closings to Plant	(5,773,811)	(2,373,486)	(24,011,479)	(38,585,969)	(107,683,234)	(41,053,730)
24	Total Electric Transmission Plant	235,560,046	263,755,776	263,064,618	246,868,011	160,320,797	133,904,077
Electric Distribution Plant							
25	CWIP Beginning Balance	17,508,550	17,861,246	18,002,372	17,816,247	18,996,230	15,715,467
26	CWIP Expenditures	7,464,799	7,653,631	6,184,486	7,379,751	8,415,553	8,644,039
27	AFUDC Debt	20,661	22,445	23,028	21,096	19,007	16,319
28	AFUDC Equity	45,698	52,857	51,128	48,204	43,431	37,289
29	Closings to Plant	(7,178,462)	(7,587,809)	(6,444,767)	(6,269,069)	(11,758,755)	(8,202,137)
30	Total Electric Distribution Plant	17,861,246	18,002,372	17,816,247	18,996,230	15,715,467	16,210,977
Electric General Plant							
31	CWIP Beginning Balance	27,447,484	21,084,574	22,981,815	25,831,659	23,187,086	24,957,089
32	CWIP Expenditures	2,266,470	2,900,650	5,000,300	3,425,907	5,351,248	3,720,864
33	AFUDC Debt	25,953	21,526	22,700	21,894	20,667	21,665
34	AFUDC Equity	58,056	51,290	50,536	50,027	47,223	49,503
35	Closings to Plant	(8,713,389)	(1,076,226)	(2,223,692)	(6,142,400)	(3,649,135)	(6,706,992)
36	Total Electric General Plant	21,084,574	22,981,815	25,831,659	23,187,086	24,957,089	22,042,128
37	Total Electric Utility	891,609,996	942,025,016	975,377,786	981,272,228	898,725,657	219,839,003

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2017					
		July	August	September	October	November	December
Electric Intangible Plant							
1	Gross Plant Beginning Balance	186,721,517	187,322,546	188,057,941	188,888,074	207,449,446	208,582,146
2	Retirements	-	-	-	-	-	(916,277)
3	Plant Additions	601,029	735,394	830,133	18,561,373	1,132,700	5,811,908
4	Transfers & Adjustments	-	-	-	-	-	-
5	Total Electric Intangible Plant	187,322,546	188,057,941	188,888,074	207,449,446	208,582,146	213,477,777
Electric Steam Production Plant							
6	Gross Plant Beginning Balance	1,848,174,120	1,848,431,765	1,846,920,568	1,844,507,212	1,845,491,331	1,851,659,047
7	Retirements	(415,676)	(3,424,643)	(2,800,027)	(354,210)	(797,811)	(1,404,032)
8	Plant Additions	673,321	1,913,446	386,671	1,338,330	6,965,527	4,272,904
9	Transfers & Adjustments	-	-	-	-	-	-
10	Total Electric Steam Production Plant	1,848,431,765	1,846,920,568	1,844,507,212	1,845,491,331	1,851,659,047	1,854,527,919
Electric Other Production Plant							
11	Gross Plant Beginning Balance	294,924,609	295,095,625	295,085,541	295,172,278	295,193,998	295,166,340
12	Retirements	-	(10,084)	-	-	(58,903)	(7,046,715)
13	Plant Additions	171,016	-	86,736	21,721	31,245	170,491
14	Transfers & Adjustments	-	-	-	-	-	-
15	Total Electric Other Production Plant	295,095,625	295,085,541	295,172,278	295,193,998	295,166,340	288,290,116
Electric Transmission Plant							
16	Gross Plant Beginning Balance	2,606,045,772	2,607,392,869	2,610,467,739	2,609,791,147	2,630,688,008	2,659,542,374
17	Retirements	(1,369,768)	(469,496)	(3,207,845)	-	(6,447,025)	(30,511)
18	Plant Additions	2,716,865	3,544,366	2,651,409	20,896,861	35,291,329	18,138,311
19	Transfers & Adjustments	-	(0)	(120,156)	-	10,063	2,582
20	Total Electric Transmission Plant	2,607,392,869	2,610,467,739	2,609,791,147	2,630,688,008	2,659,542,374	2,677,652,757
Electric Distribution Plant							
21	Gross Plant Beginning Balance	1,264,953,949	1,269,591,161	1,274,867,341	1,282,056,614	1,286,111,773	1,291,190,296
22	Retirements	(300,361)	(235,195)	(825,837)	(561,386)	(1,204,478)	(4,571,939)
23	Plant Additions	4,937,573	5,511,374	7,894,954	4,616,545	6,283,001	3,817,728
24	Transfers & Adjustments	0	-	120,156	0	-	(0)
25	Total Electric Distribution Plant	1,269,591,161	1,274,867,341	1,282,056,614	1,286,111,773	1,291,190,296	1,290,436,084
Electric General Plant							
26	Gross Plant Beginning Balance	409,142,111	410,136,427	417,794,516	418,585,656	420,721,179	417,578,546
27	Retirements	-	(35,244)	(1,083,136)	-	(4,322,182)	(3,245,453)
28	Plant Additions	994,316	7,693,333	1,874,275	2,135,524	1,189,612	12,993,815
29	Transfers & Adjustments	-	-	-	-	(10,063)	(2,582)
30	Total Electric General Plant	410,136,427	417,794,516	418,585,656	420,721,179	417,578,546	427,324,327
31	Total Electric Utility	6,617,970,393	6,633,193,645	6,639,000,979	6,685,655,736	6,723,718,749	6,751,708,979

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2018					
		January	February	March	April	May	June
Electric Intangible Plant							
1	Gross Plant Beginning Balance	213,477,777	213,719,524	213,867,148	213,889,253	214,096,641	214,732,287
2	Retirements	-	-	-	-	-	-
3	Plant Additions	241,747	147,624	22,106	207,387	635,646	631,513
4	Transfers & Adjustments	-	-	-	-	-	-
5	Total Electric Intangible Plant	213,719,524	213,867,148	213,889,253	214,096,641	214,732,287	215,363,800
Electric Steam Production Plant							
6	Gross Plant Beginning Balance	1,854,527,919	1,855,312,479	1,855,342,045	1,857,938,903	1,853,670,029	1,853,171,393
7	Retirements	-	-	-	(7,147,387)	(1,313,051)	(270,300)
8	Plant Additions	784,560	29,566	2,596,858	2,878,513	814,415	7,699,928
9	Transfers & Adjustments	-	-	-	-	-	-
10	Total Electric Steam Production Plant	1,855,312,479	1,855,342,045	1,857,938,903	1,853,670,029	1,853,171,393	1,860,601,021
Electric Other Production Plant							
11	Gross Plant Beginning Balance	288,290,116	288,301,159	288,306,755	288,299,438	288,332,857	288,484,037
12	Retirements	-	-	-	(7,053)	(33,975)	(71,693)
13	Plant Additions	11,043	5,596	(7,317)	41,477	185,156	235,057
14	Transfers & Adjustments	-	-	-	(1,004)	-	-
15	Total Electric Other Production Plant	288,301,159	288,306,755	288,299,438	288,332,857	288,484,037	288,647,402
Electric Transmission Plant							
16	Gross Plant Beginning Balance	2,677,652,757	2,679,231,697	2,704,267,159	2,786,083,072	2,825,441,487	2,898,012,649
17	Retirements	(1,069,829)	(471,195)	223,746	(3,871,260)	(9,962,590)	(5,234,246)
18	Plant Additions	2,648,304	25,506,493	81,592,158	43,229,676	82,533,752	27,198,355
19	Transfers & Adjustments	466	164	9	-	-	(0)
20	Total Electric Transmission Plant	2,679,231,697	2,704,267,159	2,786,083,072	2,825,441,487	2,898,012,649	2,919,976,759
Electric Distribution Plant							
21	Gross Plant Beginning Balance	1,290,436,084	1,279,439,816	1,308,982,217	1,312,671,876	1,305,758,663	1,315,711,389
22	Retirements	(804,047)	(356,644)	-	(10,220,900)	(577,632)	(460,646)
23	Plant Additions	(10,192,222)	29,899,045	3,689,659	3,307,687	10,530,358	5,316,280
24	Transfers & Adjustments	0	(0)	-	-	-	-
25	Total Electric Distribution Plant	1,279,439,816	1,308,982,217	1,312,671,876	1,305,758,663	1,315,711,389	1,320,567,023
Electric General Plant							
26	Gross Plant Beginning Balance	427,324,327	427,229,612	430,980,898	436,215,722	438,319,317	440,180,192
27	Retirements	-	-	-	(910,515)	-	(191,278)
28	Plant Additions	(94,249)	3,751,450	5,234,833	3,014,110	1,860,875	773,174
29	Transfers & Adjustments	(466)	(164)	(9)	-	0	-
30	Total Electric General Plant	427,229,612	430,980,898	436,215,722	438,319,317	440,180,192	440,762,088
31	Total Electric Utility	6,743,234,288	6,801,746,222	6,895,098,264	6,925,618,993	7,010,291,949	7,045,918,093

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2018					
		July	August	September	October	November	December
Electric Intangible Plant							
1	Gross Plant Beginning Balance	215,363,800	219,721,006	219,749,136	221,013,088	221,419,914	223,870,279
2	Retirements	-	-	-	-	-	(13,598,928)
3	Plant Additions	4,357,206	28,130	1,263,952	406,826	2,450,365	5,606,281
4	Transfers & Adjustments	0	-	-	-	-	-
5	Total Electric Intangible Plant	219,721,006	219,749,136	221,013,088	221,419,914	223,870,279	215,877,632
Electric Steam Production Plant							
6	Gross Plant Beginning Balance	1,860,601,021	1,862,115,528	1,859,163,231	1,862,546,023	1,863,350,628	1,876,646,005
7	Retirements	(209,801)	(1,401,707)	(215,971)	-	-	-
8	Plant Additions	1,724,307	(1,550,589)	3,598,762	804,605	13,295,377	8,172,200
9	Transfers & Adjustments	-	-	-	-	-	-
10	Total Electric Steam Production Plant	1,862,115,528	1,859,163,231	1,862,546,023	1,863,350,628	1,876,646,005	1,884,818,204
Electric Other Production Plant							
11	Gross Plant Beginning Balance	288,647,402	288,732,687	288,905,974	288,912,585	288,911,805	289,092,859
12	Retirements	-	-	-	-	-	-
13	Plant Additions	85,284	173,287	6,611	(780)	181,054	329,123
14	Transfers & Adjustments	-	-	-	-	-	-
15	Total Electric Other Production Plant	288,732,687	288,905,974	288,912,585	288,911,805	289,092,859	289,421,982
Electric Transmission Plant							
16	Gross Plant Beginning Balance	2,919,976,759	2,928,630,713	2,933,892,576	2,943,152,102	2,943,465,655	2,958,493,066
17	Retirements	3,354,761	(2,734,868)	(331,094)	(3,753,847)	(304,778)	(1,248,305)
18	Plant Additions	5,299,194	7,996,731	9,590,620	4,067,400	15,332,189	29,366,161
19	Transfers & Adjustments	-	(0)	-	(0)	0	-
20	Total Electric Transmission Plant	2,928,630,713	2,933,892,576	2,943,152,102	2,943,465,655	2,958,493,066	2,986,610,922
Electric Distribution Plant							
21	Gross Plant Beginning Balance	1,320,567,023	1,329,068,261	1,334,222,935	1,339,067,943	1,344,634,458	1,351,811,272
22	Retirements	(1,062,400)	(1,569,396)	(288,419)	(581,120)	(463,646)	(4,457,311)
23	Plant Additions	9,563,639	6,724,070	5,133,427	6,147,657	7,640,461	24,734,635
24	Transfers & Adjustments	-	-	(0)	(23)	-	-
25	Total Electric Distribution Plant	1,329,068,261	1,334,222,935	1,339,067,943	1,344,634,458	1,351,811,272	1,372,088,596
Electric General Plant							
26	Gross Plant Beginning Balance	440,762,088	443,070,606	443,573,340	447,191,014	447,768,307	453,911,926
27	Retirements	(157,229)	(82,088)	-	(767,061)	-	(319,942)
28	Plant Additions	2,465,748	584,821	3,617,674	1,344,331	6,143,619	10,195,583
29	Transfers & Adjustments	-	(0)	0	23	(0)	-
30	Total Electric General Plant	443,070,606	443,573,340	447,191,014	447,768,307	453,911,926	463,787,568
31	Total Electric Utility	7,071,338,802	7,079,507,193	7,101,882,756	7,109,550,767	7,153,825,407	7,212,604,903

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2019					
		January	February	March	April	May	June
Electric Intangible Plant							
1	Gross Plant Beginning Balance	215,877,632	216,173,944	217,345,697	218,661,624	219,263,914	220,996,059
2	Retirements	-	-	-	-	-	-
3	Plant Additions	296,312	1,171,753	1,315,926	602,291	1,732,145	888,233
4	Transfers & Adjustments	-	-	-	-	-	-
5	Total Electric Intangible Plant	216,173,944	217,345,697	218,661,624	219,263,914	220,996,059	221,884,292
Electric Steam Production Plant							
6	Gross Plant Beginning Balance	1,884,818,204	1,886,540,410	1,886,701,619	1,887,189,815	1,893,235,707	1,904,958,777
7	Retirements	-	-	(34,441)	-	-	-
8	Plant Additions	1,722,206	161,209	522,636	6,045,892	11,723,070	9,880,149
9	Transfers & Adjustments	-	-	-	-	-	-
10	Total Electric Steam Production Plant	1,886,540,410	1,886,701,619	1,887,189,815	1,893,235,707	1,904,958,777	1,914,838,926
Electric Other Production Plant							
11	Gross Plant Beginning Balance	289,421,982	289,433,663	289,396,913	289,384,876	289,385,499	297,733,641
12	Retirements	-	-	(11,692)	-	-	-
13	Plant Additions	11,681	(36,750)	(344)	623	8,348,142	682,027,740
14	Transfers & Adjustments	-	-	-	-	-	-
15	Total Electric Other Production Plant	289,433,663	289,396,913	289,384,876	289,385,499	297,733,641	979,761,381
Electric Transmission Plant							
16	Gross Plant Beginning Balance	2,986,610,922	2,987,964,218	2,990,030,359	3,013,551,286	3,051,839,821	3,159,225,621
17	Retirements	(4,420,515)	(307,345)	(502,227)	(297,434)	(297,434)	(297,434)
18	Plant Additions	5,773,811	2,373,486	24,011,479	38,585,969	107,683,234	41,053,730
19	Transfers & Adjustments	-	-	11,675	(0)	(0)	(0)
20	Total Electric Transmission Plant	2,987,964,218	2,990,030,359	3,013,551,286	3,051,839,821	3,159,225,621	3,199,981,916
Electric Distribution Plant							
21	Gross Plant Beginning Balance	1,372,088,596	1,378,196,940	1,383,680,142	1,389,499,356	1,395,071,983	1,406,131,765
22	Retirements	(1,070,117)	(2,104,607)	(613,879)	(696,441)	(698,973)	(702,510)
23	Plant Additions	7,178,462	7,587,809	6,444,767	6,269,069	11,758,755	8,202,137
24	Transfers & Adjustments	-	-	(11,675)	(0)	0	9,969,114
25	Total Electric Distribution Plant	1,378,196,940	1,383,680,142	1,389,499,356	1,395,071,983	1,406,131,765	1,423,600,506
Electric General Plant							
26	Gross Plant Beginning Balance	463,787,568	472,500,956	473,577,182	474,624,490	480,766,890	484,416,025
27	Retirements	-	-	(1,176,384)	-	-	-
28	Plant Additions	8,713,389	1,076,226	2,223,692	6,142,400	3,649,135	6,706,992
29	Transfers & Adjustments	-	-	-	(0)	0	-
30	Total Electric General Plant	472,500,956	473,577,182	474,624,490	480,766,890	484,416,025	491,123,017
31	Total Electric Utility	7,230,810,132	7,240,731,912	7,272,911,446	7,329,563,814	7,473,461,887	8,231,190,038

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2017					
		July	August	September	October	November	December
Electric Intangible Plant							
1	Accumulated Depreciation Beginning Balance	83,092,178	84,936,471	86,805,278	88,668,309	90,622,834	92,573,009
2	Book Depreciation	1,844,293	1,868,807	1,863,031	1,954,525	1,950,176	1,993,389
3	Retirements	-	-	-	-	-	(916,277)
4	Book Removals	-	-	-	-	-	-
5	Gain/Loss	-	-	-	-	-	-
6	Salvage	-	-	-	-	-	-
7	Transfers & Adjustments	0	(0)	0	(0)	(0)	0
8	Electric Intangible Plant	84,936,471	86,805,278	88,668,309	90,622,834	92,573,009	93,650,121
9	Electric Intangible Plant RWIP	739	739	739	-	-	-
10	Total Electric Intangible including RWIP	84,935,732	86,804,539	88,667,570	90,622,834	92,573,009	93,650,121
Electric Steam Production Plant							
11	Accumulated Depreciation Beginning Balance	947,041,835	951,965,712	951,366,496	950,537,500	953,478,064	955,918,666
12	Book Depreciation	3,485,656	3,484,694	3,480,067	3,479,193	3,487,552	3,498,089
13	Retirements	(415,676)	(3,424,643)	(2,800,027)	(354,210)	(797,811)	(1,404,032)
14	Book Removals	(90,711)	(1,031,521)	(1,472,613)	(203,057)	(256,401)	(295,970)
15	Gain/Loss	-	-	-	-	-	-
16	Salvage	-	347	-	10,481	-	-
17	Transfers & Adjustments	1,944,608	371,908	(36,423)	8,157	7,262	3,792
18	Electric Steam Production Plant	951,965,712	951,366,496	950,537,500	953,478,064	955,918,666	957,720,546
19	Electric Steam Production Plant RWIP	5,594,911	3,763,580	2,312,420	2,348,167	3,339,685	3,696,400
20	Total Electric Steam Production including RWIP	946,370,801	947,602,916	948,225,080	951,129,897	952,578,981	954,024,145
Electric Other Production Plant							
21	Accumulated Depreciation Beginning Balance	76,020,589	76,692,236	77,325,850	77,917,384	78,508,894	79,042,357
22	Book Depreciation	596,813	597,008	597,100	597,233	597,230	590,521
23	Retirements	-	(10,084)	-	-	(58,903)	(7,046,715)
24	Book Removals	-	(2,429)	-	-	(44)	(428,322)
25	Gain/Loss	-	-	-	-	-	-
26	Salvage	-	-	-	-	-	-
27	Transfers & Adjustments	74,835	49,119	(5,566)	(5,722)	(4,821)	3,330
28	Electric Other Production Plant	76,692,236	77,325,850	77,917,384	78,508,894	79,042,357	72,161,171
29	Electric Other Production Plant RWIP	495,946	496,582	436,942	440,970	439,367	20,989
30	Total Electric Other Production including RWIP	76,196,290	76,829,268	77,480,442	78,067,925	78,602,990	72,140,181

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2018					
		January	February	March	April	May	June
Electric Intangible Plant							
1	Accumulated Depreciation Beginning Balance	93,650,121	95,646,861	97,644,058	99,639,573	101,618,604	103,602,902
2	Book Depreciation	1,996,740	1,997,197	1,995,516	1,979,031	1,984,298	1,989,618
3	Retirements	-	-	-	-	-	-
4	Book Removals	-	-	-	-	-	-
5	Gain/Loss	-	-	-	-	-	-
6	Salvage	-	-	-	-	-	-
7	Transfers & Adjustments	0	(0)	(0)	0	0	(0)
8	Electric Intangible Plant	95,646,861	97,644,058	99,639,573	101,618,604	103,602,902	105,592,521
9	Electric Intangible Plant RWIP	-	-	-	-	-	-
10	Total Electric Intangible including RWIP	95,646,861	97,644,058	99,639,573	101,618,604	103,602,902	105,592,521
Electric Steam Production Plant							
11	Accumulated Depreciation Beginning Balance	957,720,546	972,072,534	975,584,378	979,098,211	973,678,082	977,172,549
12	Book Depreciation	3,502,190	3,502,994	3,505,230	3,503,932	3,499,836	3,500,694
13	Retirements	-	-	-	(7,147,387)	(1,313,051)	(270,300)
14	Book Removals	-	-	(172)	(1,784,951)	(527,004)	(633,480)
15	Gain/Loss	-	-	-	-	-	-
16	Salvage	-	-	-	40,805	-	-
17	Transfers & Adjustments	10,849,798	8,850	8,775	(32,528)	1,834,686	(1,410)
18	Electric Steam Production Plant	972,072,534	975,584,378	979,098,211	973,678,082	977,172,549	979,768,053
19	Electric Steam Production Plant RWIP	3,821,164	4,103,805	4,061,930	2,970,096	3,740,866	946,201
20	Total Electric Steam Production including RWIP	968,251,370	971,480,573	975,036,281	970,707,986	973,431,682	978,821,852
Electric Other Production Plant							
21	Accumulated Depreciation Beginning Balance	72,161,171	73,274,545	73,861,645	74,448,708	75,027,364	75,792,778
22	Book Depreciation	583,976	584,005	584,002	583,988	584,117	584,335
23	Retirements	-	-	-	(7,053)	(33,975)	(71,693)
24	Book Removals	-	-	-	(1,383)	(9,272)	(21,210)
25	Gain/Loss	-	-	-	-	-	-
26	Salvage	-	-	-	-	-	-
27	Transfers & Adjustments	529,398	3,096	3,061	3,105	224,544	(4,687)
28	Electric Other Production Plant	73,274,545	73,861,645	74,448,708	75,027,364	75,792,778	76,279,523
29	Electric Other Production Plant RWIP	22,424	23,742	33,361	32,692	(1,643,623)	(1,616,077)
30	Total Electric Other Production including RWIP	73,252,121	73,837,903	74,415,347	74,994,673	77,436,402	77,895,600

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2018					
		July	August	September	October	November	December
Electric Intangible Plant							
1	Accumulated Depreciation Beginning Balance	105,592,521	107,648,181	109,704,083	111,797,962	113,897,136	116,035,758
2	Book Depreciation	2,055,660	2,055,902	2,093,879	2,099,175	2,138,622	2,186,380
3	Retirements	-	-	-	-	-	(13,598,928)
4	Book Removals	-	-	-	-	-	-
5	Gain/Loss	-	-	-	-	-	-
6	Salvage	-	-	-	-	-	-
7	Transfers & Adjustments	0	(0)	-	0	-	12,693
8	Electric Intangible Plant	107,648,181	109,704,083	111,797,962	113,897,136	116,035,758	104,635,903
9	Electric Intangible Plant RWIP	-	-	-	-	-	-
10	Total Electric Intangible including RWIP	107,648,181	109,704,083	111,797,962	113,897,136	116,035,758	104,635,903
Electric Steam Production Plant							
11	Accumulated Depreciation Beginning Balance	979,768,053	982,975,562	984,455,065	987,695,500	991,219,399	994,755,338
12	Book Depreciation	3,509,511	3,509,383	3,509,983	3,513,870	3,525,934	9,604,937
13	Retirements	(209,801)	(1,401,707)	(215,971)	-	-	-
14	Book Removals	(102,617)	(621,511)	(58,225)	-	(1)	-
15	Gain/Loss	-	-	-	-	-	-
16	Salvage	3,276	-	(4,268)	-	-	-
17	Transfers & Adjustments	7,139	(6,661)	8,916	10,028	10,005	126,162
18	Electric Steam Production Plant	982,975,562	984,455,065	987,695,500	991,219,399	994,755,338	1,004,486,436
19	Electric Steam Production Plant RWIP	913,050	2,277,985	2,459,926	2,372,387	4,840,778	6,058,588
20	Total Electric Steam Production including RWIP	982,062,512	982,177,080	985,235,575	988,847,012	989,914,560	998,427,848
Electric Other Production Plant							
21	Accumulated Depreciation Beginning Balance	76,279,523	76,859,627	77,440,002	78,017,833	78,598,485	79,179,301
22	Book Depreciation	584,482	584,726	584,922	584,935	585,076	585,494
23	Retirements	-	-	-	-	-	-
24	Book Removals	-	-	(2,764)	-	-	-
25	Gain/Loss	-	-	-	-	-	-
26	Salvage	-	-	-	-	-	-
27	Transfers & Adjustments	(4,378)	(4,351)	(4,326)	(4,284)	(4,260)	(4,239)
28	Electric Other Production Plant	76,859,627	77,440,002	78,017,833	78,598,485	79,179,301	79,760,555
29	Electric Other Production Plant RWIP	(1,607,140)	88,099	92,176	93,552	137,087	151,281
30	Total Electric Other Production including RWIP	78,466,766	77,351,902	77,925,657	78,504,933	79,042,213	79,609,274

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2019					
		January	February	March	April	May	June
Electric Intangible Plant							
1	Accumulated Depreciation Beginning Balance	104,635,903	106,825,695	109,028,267	111,107,219	113,230,022	115,340,705
2	Book Depreciation	2,190,003	2,202,784	2,079,163	2,123,014	2,110,894	2,092,162
3	Retirements	-	-	-	-	-	-
4	Book Removals	-	-	-	-	-	-
5	Gain/Loss	-	-	-	-	-	-
6	Salvage	-	-	-	-	-	-
7	Transfers & Adjustments	(212)	(212)	(212)	(212)	(212)	(212)
8	Electric Intangible Plant	106,825,695	109,028,267	111,107,219	113,230,022	115,340,705	117,432,655
9	Electric Intangible Plant RWIP	-	-	-	-	-	-
10	Total Electric Intangible including RWIP	106,825,695	109,028,267	111,107,219	113,230,022	115,340,705	117,432,655
Electric Steam Production Plant							
11	Accumulated Depreciation Beginning Balance	1,004,486,436	1,008,605,160	1,012,725,911	1,016,604,367	1,016,681,338	1,029,501,780
12	Book Depreciation	4,098,842	4,100,950	4,042,338	4,062,008	4,078,930	4,101,382
13	Retirements	-	-	(34,441)	-	-	-
14	Book Removals	-	-	(26,820)	(4,456,259)	(366,613)	(188,979)
15	Gain/Loss	-	-	-	-	-	-
16	Salvage	-	-	-	471,222	-	-
17	Transfers & Adjustments	19,882	19,801	(102,621)	0	9,108,125	(203)
18	Electric Steam Production Plant	1,008,605,160	1,012,725,911	1,016,604,367	1,016,681,338	1,029,501,780	1,033,413,980
19	Electric Steam Production Plant RWIP	6,171,115	6,329,622	7,350,449	5,370,500	5,908,959	6,631,556
20	Total Electric Steam Production including RWIP	1,002,434,045	1,006,396,289	1,009,253,918	1,011,310,838	1,023,592,822	1,026,782,425
Electric Other Production Plant							
21	Accumulated Depreciation Beginning Balance	79,760,555	80,342,130	80,923,750	81,754,385	82,274,161	83,467,161
22	Book Depreciation	585,783	585,795	585,259	585,786	594,622	1,569,574
23	Retirements	-	-	(11,692)	-	-	-
24	Book Removals	-	-	(42,933)	(66,010)	(7,098)	(1,052)
25	Gain/Loss	-	-	-	-	-	-
26	Salvage	-	-	300,000	-	-	-
27	Transfers & Adjustments	(4,209)	(4,175)	0	0	605,476	(2)
28	Electric Other Production Plant	80,342,130	80,923,750	81,754,385	82,274,161	83,467,161	85,035,682
29	Electric Other Production Plant RWIP	154,691	(469,701)	(504,099)	(264,652)	(359,821)	(355,791)
30	Total Electric Other Production including RWIP	80,187,439	81,393,451	82,258,484	82,538,813	83,826,982	85,391,473

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2017					
		July	August	September	October	November	December
Electric Transmission Plant							
31	Accumulated Depreciation Beginning Balance	471,595,715	459,528,613	475,983,098	477,264,392	482,279,148	479,742,760
32	Book Depreciation	4,999,203	5,003,048	5,004,472	5,024,238	5,073,533	5,115,567
33	Retirements	(1,369,768)	(469,496)	(3,207,845)	-	(6,447,025)	(30,511)
34	Book Removals	(1,186,933)	(2,696,666)	(843,332)	2,511	(1,234,634)	(465,213)
35	Gain/Loss	-	-	-	-	-	-
36	Salvage	11,927	617	334,550	-	87,590	-
37	Transfers & Adjustments	(14,521,531)	14,616,982	(6,550)	(11,994)	(15,852)	(135)
38	Electric Transmission Plant	459,528,613	475,983,098	477,264,392	482,279,148	479,742,760	484,362,468
39	Electric Transmission Plant RWIP	27,614,232	25,426,900	25,010,333	26,260,196	26,933,114	34,363,928
40	Total Electric Transmission including RWIP	431,914,381	450,556,198	452,254,059	456,018,952	452,809,646	449,998,540
Electric Distribution Plant							
41	Accumulated Depreciation Beginning Balance	359,130,354	361,196,551	362,135,976	362,817,366	365,024,409	365,298,166
42	Book Depreciation	2,698,685	2,710,080	2,723,042	2,734,620	2,743,876	2,741,567
43	Retirements	(300,361)	(235,195)	(825,837)	(561,386)	(1,204,478)	(4,571,939)
44	Book Removals	(332,127)	(1,592,438)	(1,662,352)	33,809	(1,275,580)	(907,475)
45	Gain/Loss	-	-	-	-	-	-
46	Salvage	-	56,976	446,537	-	9,941	-
47	Transfers & Adjustments	-	-	-	0	-	-
48	Electric Distribution Plant	361,196,551	362,135,976	362,817,366	365,024,409	365,298,166	362,560,319
49	Electric Distribution Plant RWIP	6,683,474	7,594,538	7,190,251	8,304,545	8,138,192	6,215,128
50	Total Electric Distribution including RWIP	354,513,078	354,541,438	355,627,115	356,719,863	357,159,974	356,345,192
Electric General Plant							
51	Accumulated Depreciation Beginning Balance	161,844,120	164,141,785	165,997,669	166,037,595	168,674,834	167,342,236
52	Book Depreciation	2,341,723	1,884,250	2,409,289	2,424,081	2,993,861	2,428,876
53	Retirements	-	(35,244)	(1,083,136)	-	(4,322,182)	(3,245,453)
54	Book Removals	-	(8)	(41,604)	(3,316)	(68,610)	(6,709)
55	Gain/Loss	-	-	-	-	-	-
56	Salvage	-	(5,600)	(8,200)	144,699	-	-
57	Transfers & Adjustments	(44,058)	12,486	(1,236,424)	71,775	64,332	104,677
58	Electric General Plant	164,141,785	165,997,669	166,037,595	168,674,834	167,342,236	166,623,628
59	Electric General Plant RWIP	132,660	40,192	10,388	(419,757)	(259,000)	219,757
60	Total Electric General including RWIP	164,009,126	165,957,477	166,027,207	169,094,591	167,601,236	166,403,871
61	Total Electric Utility	2,098,461,369	2,119,614,367	2,123,242,546	2,138,588,182	2,139,917,194	2,137,078,252
	Total Electric Utility RWIP	40,521,962	37,322,532	34,961,075	36,934,121	38,591,357	44,516,202
	Total Electric Utility including RWIP	2,057,939,407	2,082,291,835	2,088,281,472	2,101,654,061	2,101,325,837	2,092,562,050

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2018					
		January	February	March	April	May	June
Electric Transmission Plant							
31	Accumulated Depreciation Beginning Balance	484,362,468	487,637,188	492,288,841	497,613,764	494,284,682	486,383,748
32	Book Depreciation	5,132,166	5,159,025	5,259,397	5,371,485	5,479,095	5,570,614
33	Retirements	(1,069,829)	(471,195)	223,746	(3,871,260)	(9,962,590)	(5,234,246)
34	Book Removals	(484,660)	(30,256)	(163,167)	(4,951,560)	(3,568,472)	(1,372,985)
35	Gain/Loss	-	-	-	-	-	689,868
36	Salvage	256	-	12,506	109,389	21,048	186,915
37	Transfers & Adjustments	(303,214)	(5,921)	(7,559)	12,864	129,984	(10,491)
38	Electric Transmission Plant	487,637,188	492,288,841	497,613,764	494,284,682	486,383,748	486,213,423
39	Electric Transmission Plant RWIP	35,577,145	35,932,926	38,200,852	35,247,496	34,274,426	34,590,472
40	Total Electric Transmission including RWIP	452,060,043	456,355,914	459,412,912	459,037,187	452,109,322	451,622,952
Electric Distribution Plant							
41	Accumulated Depreciation Beginning Balance	362,560,319	363,019,475	364,856,181	367,407,547	359,812,519	361,581,706
42	Book Depreciation	2,727,030	2,767,179	2,787,438	2,782,352	2,783,618	2,797,952
43	Retirements	(804,047)	(356,644)	-	(10,220,900)	(577,632)	(460,646)
44	Book Removals	(1,463,827)	(600,527)	(252,414)	(215,529)	(566,987)	(2,220,544)
45	Gain/Loss	-	-	-	-	-	-
46	Salvage	-	26,699	16,343	59,048	130,188	53,380
47	Transfers & Adjustments	-	-	-	0	-	-
48	Electric Distribution Plant	363,019,475	364,856,181	367,407,547	359,812,519	361,581,706	361,751,847
49	Electric Distribution Plant RWIP	6,233,062	6,207,856	6,542,488	6,574,795	6,532,333	5,001,206
50	Total Electric Distribution including RWIP	356,786,413	358,648,325	360,865,059	353,237,724	355,049,374	356,750,641
Electric General Plant							
51	Accumulated Depreciation Beginning Balance	166,623,628	170,730,829	173,231,473	175,761,123	177,542,539	180,147,553
52	Book Depreciation	2,474,103	2,426,566	2,468,197	2,491,613	2,485,910	2,479,547
53	Retirements	-	-	-	(910,515)	-	(191,278)
54	Book Removals	-	-	-	(42,936)	-	-
55	Gain/Loss	-	-	-	-	-	191,278
56	Salvage	-	-	2,500	181,326	-	-
57	Transfers & Adjustments	1,633,098	74,079	58,953	61,927	119,104	(142,835)
58	Electric General Plant	170,730,829	173,231,473	175,761,123	177,542,539	180,147,553	182,484,265
59	Electric General Plant RWIP	181,374	344,028	528,420	620,419	470,762	563,832
60	Total Electric General including RWIP	170,549,454	172,887,445	175,232,703	176,922,120	179,676,791	181,920,433
61	Total Electric Utility	2,162,381,431	2,177,466,575	2,193,968,927	2,181,963,791	2,184,681,236	2,192,089,633
	Total Electric Utility RWIP	45,835,168	46,612,358	49,367,051	45,445,498	43,374,764	39,485,634
	Total Electric Utility including RWIP	2,116,546,262	2,130,854,218	2,144,601,876	2,136,518,293	2,141,306,473	2,152,603,999

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2018					
		July	August	September	October	November	December
Electric Transmission Plant							
31	Accumulated Depreciation Beginning Balance	486,213,423	493,925,916	495,681,473	499,394,947	499,023,770	504,129,637
32	Book Depreciation	5,598,570	5,611,576	5,624,755	5,633,647	5,649,578	5,692,921
33	Retirements	3,354,761	(2,734,868)	(331,094)	(3,753,847)	(304,778)	(1,248,305)
34	Book Removals	(531,272)	(1,116,055)	(1,576,263)	(2,297,488)	(239,345)	(714,378)
35	Gain/Loss	(689,868)	-	-	-	-	-
36	Salvage	908	594	-	54,756	-	75,828
37	Transfers & Adjustments	(20,606)	(5,690)	(3,924)	(8,244)	411	(1,620)
38	Electric Transmission Plant	493,925,916	495,681,473	499,394,947	499,023,770	504,129,637	507,934,083
39	Electric Transmission Plant RWIP	36,114,193	36,227,944	36,156,105	34,784,990	36,375,181	36,149,950
40	Total Electric Transmission including RWIP	457,811,722	459,453,529	463,238,842	464,238,781	467,754,456	471,784,133
Electric Distribution Plant							
41	Accumulated Depreciation Beginning Balance	361,751,847	363,332,732	364,042,773	366,191,471	367,944,626	369,731,285
42	Book Depreciation	2,811,469	2,826,263	2,837,287	2,848,328	2,862,579	2,885,410
43	Retirements	(1,062,400)	(1,569,396)	(288,419)	(581,120)	(463,646)	(4,457,311)
44	Book Removals	(213,214)	(561,936)	(522,280)	(551,725)	(603,455)	(678,156)
45	Gain/Loss	-	-	-	11,074	-	-
46	Salvage	45,030	15,111	122,110	26,597	(8,819)	147
47	Transfers & Adjustments	-	-	(0)	-	-	-
48	Electric Distribution Plant	363,332,732	364,042,773	366,191,471	367,944,626	369,731,285	367,481,375
49	Electric Distribution Plant RWIP	5,289,302	5,120,620	5,356,592	5,313,807	5,379,301	6,186,177
50	Total Electric Distribution including RWIP	358,043,430	358,922,153	360,834,880	362,630,819	364,351,983	361,295,198
Electric General Plant							
51	Accumulated Depreciation Beginning Balance	182,484,265	184,832,754	187,752,142	190,125,285	191,945,214	194,664,583
52	Book Depreciation	2,507,852	2,518,829	2,553,842	2,550,779	2,652,424	2,613,348
53	Retirements	(157,229)	(82,088)	-	(767,061)	-	(319,942)
54	Book Removals	(57,346)	(6,294)	(235,838)	(23,357)	1	(56)
55	Gain/Loss	-	(80,274)	-	-	-	-
56	Salvage	-	511,269	-	-	-	-
57	Transfers & Adjustments	55,212	57,946	55,139	59,568	66,944	68,833
58	Electric General Plant	184,832,754	187,752,142	190,125,285	191,945,214	194,664,583	197,026,767
59	Electric General Plant RWIP	479,345	764,860	355,127	364,549	600,909	940,773
60	Total Electric General including RWIP	184,353,410	186,987,281	189,770,158	191,580,665	194,063,674	196,085,994
61	Total Electric Utility	2,209,574,771	2,219,075,538	2,233,222,998	2,242,628,630	2,258,495,901	2,261,325,120
	Total Electric Utility RWIP	41,188,750	44,479,509	44,419,925	42,929,285	47,333,258	49,486,770
	Total Electric Utility including RWIP	2,168,386,021	2,174,596,029	2,188,803,073	2,199,699,345	2,211,162,644	2,211,838,350

Southwestern Public Service Company

Plant-Related Roll Forwards
Accumulated Depreciation Reserve
July 2017 - June 2019

Line No.	Functional Class	2019					
		January	February	March	April	May	June
Electric Transmission Plant							
31	Accumulated Depreciation Beginning Balance	507,934,083	499,922,795	504,778,520	509,852,159	492,808,431	497,275,685
32	Book Depreciation	5,720,836	5,737,018	5,775,725	5,768,841	5,952,435	6,111,031
33	Retirements	(4,420,515)	(307,345)	(502,227)	(297,434)	(297,434)	(297,434)
34	Book Removals	(9,436,527)	(574,466)	(200,394)	(23,820,685)	(1,187,747)	(603,858)
35	Gain/Loss	-	-	-	-	-	-
36	Salvage	103,499	-	-	1,305,548	-	48,431
37	Transfers & Adjustments	21,419	519	535	1	1	1
38	Electric Transmission Plant	499,922,795	504,778,520	509,852,159	492,808,431	497,275,685	502,533,856
39	Electric Transmission Plant RWIP	28,346,228	28,562,374	29,872,288	7,693,865	6,775,523	6,429,933
40	Total Electric Transmission including RWIP	471,576,567	476,216,146	479,979,872	485,114,565	490,500,162	496,103,923
Electric Distribution Plant							
41	Accumulated Depreciation Beginning Balance	367,481,375	368,508,490	368,858,812	372,193,488	368,683,688	369,996,368
42	Book Depreciation	2,910,180	2,925,140	2,936,685	2,949,160	2,965,867	2,984,437
43	Retirements	(1,070,117)	(2,104,607)	(613,879)	(696,441)	(698,973)	(702,510)
44	Book Removals	(816,579)	(470,211)	(1,173,566)	(6,198,412)	(996,928)	(861,627)
45	Gain/Loss	-	-	-	-	-	-
46	Salvage	3,632	-	2,185,971	435,892	42,715	18,256
47	Transfers & Adjustments	-	(0)	(535)	-	-	-
48	Electric Distribution Plant	368,508,490	368,858,812	372,193,488	368,683,688	369,996,368	371,434,924
49	Electric Distribution Plant RWIP	5,745,938	6,067,628	7,950,609	2,747,202	2,358,735	2,031,966
50	Total Electric Distribution including RWIP	362,762,552	362,791,184	364,242,879	365,936,485	367,637,633	369,402,958
Electric General Plant							
51	Accumulated Depreciation Beginning Balance	197,026,767	199,752,367	202,480,852	203,314,770	205,805,556	208,679,526
52	Book Depreciation	2,654,901	2,661,531	2,695,031	2,719,421	2,734,656	2,771,962
53	Retirements	-	-	(1,176,384)	-	-	-
54	Book Removals	1,335	(1,954)	(619)	(596,277)	(16,012)	(62,550)
55	Gain/Loss	-	-	-	-	-	-
56	Salvage	-	-	-	279,183	49,419	49,535
57	Transfers & Adjustments	69,365	68,908	(684,110)	88,458	105,908	141,769
58	Electric General Plant	199,752,367	202,480,852	203,314,770	205,805,556	208,679,526	211,580,243
59	Electric General Plant RWIP	416,386	443,713	527,911	223,322	300,649	358,827
60	Total Electric General including RWIP	199,335,981	202,037,139	202,786,860	205,582,234	208,378,878	211,221,416
61	Total Electric Utility	2,263,956,637	2,278,796,114	2,294,826,389	2,279,483,195	2,304,261,225	2,321,431,339
	Total Electric Utility RWIP	40,834,358	40,933,637	45,197,157	15,770,237	14,984,045	15,096,490
	Total Electric Utility including RWIP	2,223,122,279	2,237,862,477	2,249,629,232	2,263,712,957	2,289,277,180	2,306,334,849

Southwestern Public Service Company

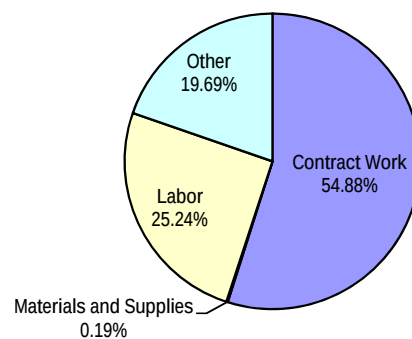
Affiliate Charge, July 1, 2017 through March 31, 2019
Separated by Cost Component
Total Affiliate Charges

Cost Component Breakdown of Affiliate Costs in Plant Additions

	<u>Software</u> <u>Work Orders</u>	<u>All Other</u> <u>Work Orders</u>	<u>Total Affiliate</u>	<u>Percentage</u> <u>of Total</u>
Contract Work	\$ 25,170,801	\$ 5,199,100	\$ 30,369,901	54.88%
Materials and Supplies	56,059	48,876	104,936	0.19%
Labor	4,540,481	9,425,044	13,965,525	25.24%
Other	8,933,875	1,963,058	10,896,934	19.69%
	\$ 38,701,216	\$ 16,636,079	\$ 55,337,295	100.00%

	<u>Software</u> <u>Work Orders</u>	<u>All Other</u> <u>Work Orders</u>	<u>Total Affiliate</u>
Contract Work	82.88%	17.12%	100.00%
Materials and Supplies	53.42%	46.58%	100.00%
Labor	32.51%	67.49%	100.00%
Other	81.99%	18.01%	100.00%
	69.94%	30.06%	100.00%

Affiliate Charges by Cost Component



Southwestern Public Service Company

Affiliate Charge, July 1, 2017 through March 31, 2019

Separated by Cost Component

Total Affiliate Charges

(A)		(B)		(C)		(D)		(E)		(F)		(G)		(H)		(I)	
Line No.	Work Order Number	Work Order Description		Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total							
1	A.0000062.001.001.002	Z86 DIBK CDEA 69KV TAP TO NEW OXY S		Electric Transmission	Cooley	\$ -	\$ -	237.75	\$ -	237.75							
2	A.0000062.002.001.001	Z86 NEW TAP TO OXY CEDAR LAKE ROW		Electric Transmission	Cooley	-	472.00	-	3.21	475.21							
3	A.0000080.001.001.001	OASIS-T32 PORTALES 115KV LINE TERMI		Electric Transmission	Cooley	-	40.25	1,206.34	1.45	1,248.04							
4	A.0000087.001.001.001	ROOSEVELT-T33 PORTALES 115KV LINE T		Electric Transmission	Cooley	-	-	1,821.98	-	1,821.98							
5	A.0000105.001.001.002	K27 PXST TKST 230KV RECONDUCTOR		Electric Transmission	Cooley	-	9,389.68	44,498.86	232.38	54,120.92							
6	A.0000105.007.001.003	PXST 230KV TERM UP REIMB		Electric Transmission	Cooley	-	85.05	1,802.93	0.73	1,888.71							
7	A.0000105.008.001.001	230KV K45 Reconnector Plant X to To		Electric Transmission	Cooley	-	2,982.00	52,681.92	29.82	55,693.74							
8	A.0000126.003.001.001	ARTESIA CITY CLUB TO ARTESIA CITY CLU		Electric Transmission	Cooley	-	20,302.95	12,716.04	203.03	33,222.02							
9	A.0000126.003.001.003	ARCC 115 Line ROW		Electric Transmission	Cooley	-	6,294.00	4,451.14	255.62	11,000.76							
10	A.0000126.004.001.001	ArtesiaCityClubSwitchTRANS		Electric Transmission	Cooley	-	16,416.46	35,736.58	170.51	52,323.55							
11	A.0000153.001.001.001	Y84 TUCO-CROSBY 69KV LINE ONE WAY S		Electric Transmission	Cooley	-	-	401.45	-	401.45							
12	A.0000153.001.001.002	Y96 BRCC LNRL 69KV 1 WAY SW STR9912		Electric Transmission	Cooley	-	1,800.00	89.18	18.00	1,907.18							
13	A.0000153.001.001.004	Z60 LBEA GRAH REPL SWT 6755 AND 685		Electric Transmission	Cooley	-	1,067.43	2,129.94	19.17	3,216.54							
14	A.0000153.002.001.002	T84-115KV HOBBS WEST-NEF ONE-WAY SW		Electric Transmission	Cooley	-	-	89.18	-	89.18							
15	A.0000153.003.001.004	Z60 LBEA GRAH SWT 6755 AND SWT 6854		Electric General	Cooley	-	-	217.71	-	217.71							
16	A.0000153.005.001.001	Z08Switch4706Replace		Electric Transmission	Cooley	-	67.08	3,613.88	110.60	3,791.56							
17	A.0000153.006.001.002	V02 Switch 2915 Replacement		Electric Transmission	Cooley	-	3,083.50	4,199.72	30.84	7,314.06							
18	A.0000153.008.001.001	V77 Switch 4963 Replacement NM		Electric Transmission	Cooley	-	1,438.50	2,184.47	14.39	3,637.36							
19	A.0000194.001.001.002	COCHRAN 115KV 28 MVAR CAP BANKS		Electric Transmission	Cooley	-	17,557.56	57,773.51	176.43	75,507.50							
20	A.0000194.005.001.001	COCHRAN 69KV Z26 LN TERM UPR		Electric Transmission	Cooley	-	-	10,140.64	-	10,140.64							
21	A.0000194.006.001.001	COCHRAN REPLACE RTU COMM		Electric General	Cooley	-	4,406.40	2,672.60	44.06	7,123.06							
22	A.0000194.007.001.001	COCHRAN ADD COMM EQUIPMENT		Electric General	Cooley	-	-	450.07	-	450.07							
23	A.0000194.008.001.001	Cochran Whiteface Z26 Rebuild		Electric Transmission	Cooley	1,248.68	36,201.23	113,386.00	362.41	151,198.32							
24	A.0000199.001.001.002	W 95 CUST OCHO 115KV 11MI REBLD		Electric Transmission	Cooley	-	90,698.57	56,107.67	990.29	147,796.53							
25	A.0000199.002.001.001	CUSTER ROADRUNNER W 95 ROW		Electric Transmission	Cooley	-	-	2,899.77	-	2,899.77							
26	A.0000199.002.001.003	CUSTER ROADRUNNER W95 ROW		Electric Transmission	Cooley	480.50	-	11,072.92	-	11,553.42							
27	A.0000215.012.001.001	K-84 Pleasant Hill to Roosevelt ROW		Electric Transmission	Cooley	-	-	375.86	-	375.86							
28	A.0000215.012.001.002	K84 PLEASANT HILL TO ROOSEVELT ROW		Electric Transmission	Cooley	-	-	63.39	-	63.39							
29	A.0000220.005.001.009	TOLK SUBSTATION - REPLACE FAILED CC		Electric Transmission	Cooley	-	-	1,157.61	-	1,157.61							
30	A.0000220.006.001.005	CASTRO SUBSTATION - RPL BKR 8825		Electric Transmission	Cooley	-	-	84.81	-	84.81							
31	A.0000220.006.001.025	SEMINOLE INT RPL 115KV CCVT		Electric Transmission	Cooley	-	-	194.85	-	194.85							
32	A.0000220.006.001.030	GRAHAM INT RPL 69KV GCB 6F75		Electric Transmission	Cooley	-	-	132.78	-	132.78							
33	A.0000220.006.001.038	SEAGRAVES INT RPL 69KV GCB 6F20 AND		Electric Transmission	Cooley	-	2,880.00	213.57	28.80	3,122.37							
34	A.0000220.006.001.039	YOAKUM CO INT RPL DISCONNECT 6H94		Electric Transmission	Cooley	-	-	33.21	-	33.21							
35	A.0000220.006.001.040	DENVER CITY RPL BKR W960		Electric Transmission	Cooley	-	-	1,198.16	-	1,198.16							
36	A.0000220.006.001.048	Bailey-Rplc Cap Bank Relay		Electric Transmission	Cooley	-	-	666.14	-	666.14							
37	A.0000220.006.001.050	CARLISLE RPL BREAKER 7H75		Electric Transmission	Cooley	-	-	25.31	-	25.31							
38	A.0000220.006.001.051	PANTEX NORTH REPLACE WAVE/TP		Electric Transmission	Cooley	-	-	752.68	-	752.68							
39	A.0000220.006.001.052	PANTEX SOUTH REPLACE WAVE/TP		Electric Transmission	Cooley	-	-	715.10	-	715.10							
40	A.0000220.006.001.054	Kite Transformer Replacement		Electric Transmission	Cooley	-	-	94,022.78	-	94,022.78							
41	A.0000220.006.001.056	Potter Co RPL Reactor Breakers		Electric Transmission	Cooley	-	1,188.00	120.07	11.88	1,319.95							
42	A.0000220.006.001.058	SFE-GAINES COUNTY RPL BKR 7710		Electric Transmission	Cooley	-	1,980.00	1,387.51	19.80	3,387.31							
43	A.0000220.006.001.066	Lynn Co Int- RPL BKR 7850		Electric Transmission	Cooley	-	8,872.58	35.98	87.88	8,996.44							
44	A.0000220.007.001.002	HEREFORD NE REPLACE FAILED 69KV GC		Electric Transmission	Cooley	-	-	19.95	-	19.95							
45	A.0000220.007.001.011	TOLK - RPL 345KV CCPDs		Electric Transmission	Cooley	-	-	158.90	-	158.90							
46	A.0000220.007.001.015	RANDALL - RPL T1 GAUGES		Electric Transmission	Cooley	-	-	-	10,090.62	10,090.62							
47	A.0000220.007.001.018	KIRBY - RPL CCVT ON T53		Electric Transmission	Cooley	-	-	89.72	-	89.72							
48	A.0000220.007.001.024	SFE-SPEARMAN CITY-RPL 115KV PT		Electric Transmission	Cooley	-	-	40.37	-	40.37							

Southwestern Public Service Company

Affiliate Charge, July 1, 2017 through March 31, 2019

Separated by Cost Component

Total Affiliate Charges

Line No.	(A) Work Order Number	(B) Work Order Description	(C) Asset Class	(D) Witness	(E) Materials and Supplies	(F) Contract Work	(G) Labor	(H) Other	(I) Total
49	A.0000220.018.001.020	WEST HOBBS RPL 120V BATTERIES	Electric Transmission	Cooley	-	-	526.65	-	526.65
50	A.0000220.018.001.021	SFE-CUNNINGHAM- RPL 230KV BKR LK35	Electric Transmission	Cooley	-	864.00	2,910.80	-	3,783.44
51	A.0000220.029.001.001	EDDY COUNTY 230KV RTU REPLACEMENT	Electric General	Cooley	-	10,343.50	1,365.10	(83.17)	11,625.43
52	A.0000220.030.001.001	Amoco RTU Replacement	Electric General	Cooley	-	1,856.60	9,763.56	18.56	11,638.72
53	A.0000221.001.001.001	SUNSET ? ADD 115-13.2KV 28MVA TRSF	Electric Transmission	Cooley	-	-	124.10	-	124.10
54	A.0000223.001.001.001	CARLSLE 230/115KV XFMR UPGRADE	Electric Transmission	Cooley	-	25,095.87	5,571.00	253.38	30,920.25
55	A.0000258.049.001.001	PLANT X - 115KV SPW REPLACEMENT	Electric Transmission	Cooley	-	-	1,534.16	-	1,534.16
56	A.0000286.005.001.002	LUBBOCK SOUTH INT RPL 115KV SWITCHE	Electric Transmission	Cooley	-	-	606.24	-	606.24
57	A.0000286.005.001.006	Allen SubRplc 115kv Switches 7922 7	Electric Transmission	Cooley	-	-	1,786.25	-	1,786.25
58	A.0000287.035.001.001	POTASH JUNCTION 115KV V18 LN TERM U	Electric Transmission	Cooley	-	25.57	1,539.26	0.25	1,565.08
59	A.0000287.036.001.001	CARLSBAD V18 LINE TERMINAL UPGR TO	Electric Transmission	Cooley	-	20,554.83	7,992.68	204.08	28,751.59
60	A.0000290.003.001.002	K23 EDCO-CNST REFERMINATE AT EDDY C	Electric Transmission	Cooley	-	-	2,639.39	30.30	2,669.69
61	A.0000290.005.001.002	CUNNINGHAM K23 LN TERM UPGR TO EDDY	Electric Transmission	Cooley	-	3,999.83	17,158.37	77.42	21,235.62
62	A.0000290.006.001.002	SEVEN RIVERS 230KV EDDY CNTY LN RLY	Electric Transmission	Cooley	-	-	3,773.28	-	3,773.28
63	A.0000290.008.001.001	CNST - K23 LINE TERM UPGR COMM	Electric General	Cooley	-	-	282.80	-	282.80
64	A.0000296.002.001.002	HEREFORD INTRNGNG-115-12-47KV XFMR	Electric Distribution	Meeks	-	-	-	(122.85)	(122.85)
65	A.0000296.005.001.002	W82 HFNE LAPA NEW 115KV LINE	Electric Transmission	Cooley	-	2,768.84	98,201.52	29.55	100,999.91
66	A.0000296.006.001.001	LA PLATA 115/13KV XFMR HIGH SIDE-TA	Electric Transmission	Cooley	-	605.82	8,973.01	22.15	9,600.98
67	A.0000296.008.001.001	NE HEREFORD - 115KV TERMINAL TO CEN	Electric Transmission	Cooley	-	228.28	16,719.50	4.08	16,951.86
68	A.0000296.009.001.002	NE HEREFORD NEW 115KV LN TO LA PLAT	Electric General	Cooley	-	-	842.30	11.85	854.15
69	A.0000296.013.001.002	NE HEREFORD TO LA PLATA ROW	Electric Transmission	Cooley	-	-	2,584.44	(86.12)	2,498.32
70	A.0000296.013.001.003	NE HEREFORD TO LA PLATA ROW	Electric Transmission	Cooley	-	-	3,432.23	17.49	3,449.72
71	A.0000302.004.001.001	POTTER CO - NEW 230KV PTCOACHAN LIN	Electric Transmission	Cooley	-	-	116.07	-	116.07
72	A.0000303.006.001.005	K-91,UPW,REHAB,UNSHCLD,REPL EOL ARM	Electric Transmission	Cooley	-	-	-	30.87	30.87
73	A.0000303.007.001.009	K30 SE REHAB UNSCHLD REPL ARM STR 3	Electric Transmission	Cooley	-	-	8.99	-	8.99
74	A.0000303.007.001.023	K73 SE REHAB UNSCHLD REPL 3 STRS	Electric Transmission	Cooley	-	-	31,034.52	(2,151.15)	28,883.37
75	A.0000303.007.001.026	SPS SE MODEL WORK ORDER 2017 TRANS	Electric Transmission	Cooley	-	-	315.17	(1.37)	313.80
76	A.0000303.007.001.027	K42 SE REHAB SCHLD POLE EOL ARMS P	Electric Transmission	Cooley	-	-	-	(225.00)	(225.00)
77	A.0000303.007.001.031	SPS SE MODEL WO 2017 TRANS LINE 4	Electric Transmission	Cooley	-	-	(3,755.90)	-	(3,755.90)
78	A.0000303.007.001.036	SE K73 Grapevine Inlg. Wheeler	Electric Transmission	Cooley	-	-	2,115.03	-	2,115.03
79	A.0000303.007.001.042	K74 SE REHAB UNSCHLD REPL 4 DAM STR	Electric Transmission	Cooley	-	-	10,272.73	-	10,272.73
80	A.0000303.007.001.048	K21 SE REHAB UNSCHLD REPL TORN DAM	Electric Transmission	Cooley	-	-	18,762.36	125.11	18,887.47
81	A.0000303.007.001.051	K73 SE UNSCHLD REPL FIR DAM STRS	Electric Transmission	Cooley	-	-	2,190.96	-	2,190.96
82	A.0000303.007.001.052	K53 SE UNSCHLD REPL STR 353 AND 354	Electric Transmission	Cooley	-	-	0.00	-	0.00
83	A.0000303.028.001.019	Z-69,S8E,REHAB,UNSHCLD,REPL 9 STRS	Electric Transmission	Cooley	-	-	84.38	-	84.38
84	A.0000303.033.001.001	K-23,UPW,REHAB,UNSHCLD,REPL EOL ARM	Electric Transmission	Cooley	-	-	-	(7.41)	(7.41)
85	A.0000303.040.001.001	Z 81 BILLING SE REHAB UNSCHLD REPL	Electric Transmission	Cooley	-	-	940.30	-	940.30
86	A.0000303.044.001.029	Z85 SE REHAB SCHLD REPL EOL ARMS	Electric Transmission	Cooley	-	-	4,504.54	-	4,504.54
87	A.0000303.044.001.036	Y961 SE REHAB SCHLDREPL OHG POLE 14	Electric Transmission	Cooley	-	-	2,839.51	-	2,839.51
88	A.0000303.044.001.039	Z46SERREHABUNSHCLDREPL DAMG AMS AND	Electric Transmission	Cooley	-	-	-	62.14	62.14
89	A.0000303.044.001.051	Z60 LIA Line Clearance Fix	Electric Transmission	Cooley	-	72.90	1,754.15	0.73	1,827.78
90	A.0000303.044.001.077	Z41 SE UNSCHLD REPL TOR DAM STRS	Electric Transmission	Cooley	-	-	1,812.17	-	1,812.17
91	A.0000303.044.001.080	Y59 SE UNSCHLD REPL DAM STRS	Electric Transmission	Cooley	-	-	261.74	-	261.74
92	A.0000303.044.001.081	Z691 SE UNSCHLD REPL TOR DAM STRS	Electric Transmission	Cooley	-	-	558.82	-	558.82
93	A.0000303.045.001.016	T301 SE REHAB UNSCHLD REPL COND	Electric Transmission	Cooley	-	-	521.94	-	521.94
94	A.0000303.045.001.034	T271 SE REHAB UNSCHLD REPL 2 POLES	Electric Transmission	Cooley	-	-	-	98.15	98.15
95	A.0000303.045.001.048	V022 SE REHAB UNSCHLD REPL DAMG STR	Electric Transmission	Cooley	-	-	995.22	-	995.22
96	A.0000303.045.001.063	T54 SE UNSCHLD REPL FIR DAM POLES S	Electric Transmission	Cooley	-	-	1,310.13	-	1,310.13

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Total Affiliate Charges

(A)		(B)		(C)		(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total		
97	A.0000303.045.001.067	T06 SE UNSCHLD REPL STR 277	Electric Transmission	Cooley	-	-	1,981.69	-	1,981.69		
98	A.0000303.045.001.068	T06 SE UNSCHLD REPL STR 256	Electric Transmission	Cooley	-	-	747.57	-	747.57		
99	A.0000303.045.001.069	W29 SE UNSCHLD REPL DAM STRS	Electric Transmission	Cooley	-	-	624.54	-	624.54		
100	A.0000303.045.001.070	W78 SE UNSCHLD REPL TOR DAM STRS	Electric Transmission	Cooley	-	-	13,114.62	-	13,114.62		
101	A.0000303.046.001.001	J06 SE REHAB UNSCHLD STAT REPL 276	Electric Transmission	Cooley	-	-	-	(2,926.43)	(2,926.43)		
102	A.0000303.046.001.002	SE J06 Potter Co Ing. Hichland In	Electric Transmission	Cooley	-	-	582.24	-	582.24		
103	A.0000303.046.001.005	J01 SE REHAB UNSCHLD REPL STR 24	Electric Transmission	Cooley	-	-	1,685.43	-	1,685.43		
104	A.0000303.047.001.001	SE V32 Texas Co Ing. Kansas St Lin	Electric Transmission	Cooley	-	-	31,399.80	-	31,399.80		
105	A.0000303.047.001.002	T01 SE UNSCHLD REPL TOR DAM STRS	Electric Transmission	Cooley	-	-	953.58	-	953.58		
106	A.0000303.047.001.003	V32 SE UNSCHLD REPL STATIC STR 338-	Electric Transmission	Cooley	-	-	64.44	-	64.44		
107	A.0000303.050.001.003	J25 SE REHAB UNSCHLD REPL STRM DAM	Electric Transmission	Cooley	197.16	-	19,488.30	-	19,685.46		
108	A.0000350.001.001.002	INST 115KV SW SUB REIMB	Electric Transmission	Cooley	-	-	19,412.00	-	19,412.00		
109	A.0000350.005.001.003	U20 LITDW-COCHRAN 115KV RETERM	Electric Transmission	Cooley	-	7,292.79	664.37	72.92	8,030.08		
110	A.0000350.006.001.002	U19 LITDW-Lea Co Plains 115KV RETERM	Electric Transmission	Cooley	-	5,200.94	1,483.82	94.18	6,778.94		
111	A.0000350.007.001.002	COCHRAN 115KV SUB TERM-LOST DRAW PO	Electric Transmission	Cooley	-	-	426.00	-	426.00		
112	A.0000401.018.001.002	LUBBOCK EAST-V14 TUCO 115KV RELAY U	Electric Transmission	Cooley	-	-	73.32	0.09	73.41		
113	A.0000401.020.001.003	TUCO V14 LUBBOCK EAST 115KV RLY UPG	Electric Transmission	Cooley	-	-	25,071.90	43.20	29,435.10		
114	A.0000401.024.001.002	BUSHLAND RPL RELAYING ON K59 2K05	Electric Transmission	Cooley	-	-	7,618.50	338.57	36,718.07		
115	A.0000401.025.001.002	CARLSBAD V18 LN TERMINAL UPGR TO PO	Electric Transmission	Cooley	-	12.15	11,806.83	32.76	11,851.74		
116	A.0000401.034.001.002	POTTER RPL RELAYING ON K59 2L50	Electric Transmission	Cooley	-	2,106.12	13,432.31	21.06	15,559.49		
118	A.0000401.039.001.003	WIPP-115KV CAP BANK VOLT DIFF UPGRA	Electric Transmission	Cooley	-	-	6,017.59	-	6,017.59		
119	A.0000401.049.001.002	SERI - Replace BPRO Relay	Electric Transmission	Cooley	-	-	422.16	-	422.16		
120	A.0000407.001.001.001	W-67 Bowers to Howard ROW	Electric Transmission	Cooley	-	-	3,751.93	-	3,751.93		
121	A.0000407.001.001.002	W67 BOWERS TO HOWARD ROW	Electric Transmission	Cooley	-	472.00	5,782.26	68.62	6,322.88		
122	A.0000407.001.001.003	Bowers-Howard ROW 2018	Electric Transmission	Cooley	-	10,856.00	653.54	108.56	11,618.10		
123	A.0000407.005.001.001	W-67 BWRS-HOWA 115KV NEW CIRCUIT 38	Electric Transmission	Cooley	-	-	-	0.36	0.36		
124	A.0000417.015.001.001	TUCO Moerland Woodward TX ROW	Electric Transmission	Cooley	-	-	1,070.62	-	1,070.62		
125	A.0000424.010.001.001	POTASH JCT - RPL XFMR #2 TO 84MVA 1	Electric Transmission	Cooley	-	-	25.68	-	25.68		
126	A.0000424.018.001.001	POTASH JUNCTION - INSTALL NEW COMM	Electric General	Cooley	-	-	0.56	-	0.56		
127	A.0000424.027.001.003	QUAHADA-UPGRADE 115KV PCA LINE	Electric Transmission	Cooley	-	-	342.24	(0.48)	341.76		
128	A.0000424.028.001.002	PCA-UPGRADE 115KV QUAHADA LINE	Electric Transmission	Cooley	-	2,725.95	82.87	27.58	2,836.40		
129	A.0000424.029.001.002	W76 PCA-QUADA 115KV WRECK OUT REBUIL	Electric Transmission	Cooley	-	1,346.94	-	353.80	1,700.74		
130	A.0000424.030.001.002	W76 PCA TO QUAHADA 115KV ROW	Electric Transmission	Cooley	-	997.06	-	9.98	1,007.04		
131	A.0000424.032.001.002	YESO HILLS TO CHINA DRAW W87 ROW	Electric Transmission	Cooley	-	-	5,820.51	-	5,820.51		
132	A.0000424.037.001.002	J20 HOBBS KIWA 345KV NEW 48 MILE LI	Electric Transmission	Cooley	-	48,294.93	81,080.05	902.70	130,277.68		
133	A.0000424.038.001.002	J20 HOBBS TO KIOWA ROW	Electric Transmission	Cooley	-	-	1,900.92	741.32	2,642.24		
134	A.0000424.039.001.002	KIOWA SUB LAND 345KV	Electric Transmission	Cooley	-	527.85	-	5.28	533.13		
135	A.0000424.040.001.001	KIOWA - NEW 345-115KV SUBSTATION RI	Electric Transmission	Cooley	-	31,122.01	30,188.48	449.35	61,759.84		
136	A.0000424.041.001.001	KIOWA-NEW 345KV-115KV RING BUS SUBS	Electric General	Cooley	-	4,047.80	24,735.57	40.48	28,823.85		
137	A.0000424.043.001.002	HOBBS GEN-345KV EEE COMMUNICATION I	Electric General	Cooley	-	-	1,121.00	73.65	1,194.65		
138	A.0000424.044.001.001	HOBBS GEN - NEW 345KV AUTO	Electric Transmission	Cooley	-	88,761.21	43,011.27	1,006.73	132,779.21		
139	A.0000424.045.001.001	HOBBS-NEW 345KV KIOWA TERMINAL INST	Electric Transmission	Cooley	-	14,806.47	21,934.21	155.88	36,896.56		
140	A.0000424.047.001.002	W-96 CUST-WHTN 115KV RETERM AT CUST	Electric Transmission	Cooley	-	-	56.50	-	56.50		
141	A.0000424.048.001.002	W-95 RDRN-CUST 115KV RETERM AT CUST	Electric Transmission	Cooley	-	-	56.50	-	56.50		
142	A.0000424.049.001.001	W-81 PDSA TO CUST NEW 11MI 115KV LN	Electric Transmission	Cooley	-	4,431.71	6,317.91	277.87	11,027.49		
143	A.0000424.050.001.001	W-81 Ponderosa to Custer Mt. ROW	Electric Transmission	Cooley	-	85.72	-	0.58	86.30		
144	A.0000424.055.001.001	CUSTER MOUNTAIN - NEW 115KV SWITCHI	Electric Transmission	Cooley	-	146.94	9,843.60	(2,334.74)	7,655.80		

Southwestern Public Service Company

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(A)		(B)		(C)		(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total		
145	A.0000424.056.001.001	CUSTER MOUNTAIN-NEW 115KV SWITCHING	Electric General	Cooley	-	-	374.82	(1.19)	373.63		
146	A.0000424.057.001.001	PONDEROSA - NEW 115-23KV SUB TAM	Electric Transmission	Cooley	-	-	259.66	(36.09)	223.57		
147	A.0000424.058.001.002	U08 PTJULSRI 115KV RETRMT T38 LIVING	Electric Transmission	Cooley	-	2,308.60	14,642.90	32.60	16,984.10		
148	A.0000424.059.001.002	U09 WIPPLSRI 115KV RETRMT T38 TO WIP	Electric Transmission	Cooley	-	-	14,183.96	3.31	14,187.27		
149	A.0000424.060.001.002	LSRI-SEBH NEW 115 KV 27.3 MI TRANS	Electric Transmission	Cooley	-	12,136.49	9,887.09	(1,060.93)	20,962.65		
150	A.0000424.061.001.001	W-88 Livingston Ridge to Sage Brush	Electric Transmission	Cooley	-	-	3,685.56	-	3,685.56		
151	A.0000424.062.001.001	W-89 SGBH-CRDL 115KV NEW 19MI LINE	Electric Transmission	Cooley	-	15,255.29	-	158.67	15,413.96		
152	A.0000424.066.001.001	U04. 115KV. WHITTEN RETRMT AT CARDI	Electric Transmission	Cooley	-	-	435.29	-	435.29		
153	A.0000424.067.001.001	Livingston Ridge Substation Expansi	Electric Transmission	Cooley	-	-	659.98	-	659.98		
154	A.0000424.068.001.002	LIVINGSTON RIDGE-CONVERT 69KV TO 11	Electric Transmission	Cooley	-	78.98	33,866.55	91.68	34,037.21		
155	A.0000424.069.001.002	LIVINGSTON RIDGE COMM EQUIP FOR 69K	Electric General	Cooley	-	-	802.25	2.05	804.30		
156	A.0000424.070.001.002	POTASH JNC1-115KV LINE RLYG UPGRD TO	Electric Transmission	Cooley	-	30.38	22,219.46	15.01	22,264.85		
157	A.0000424.071.001.002	WIPP-115KV LINE RLYG UPGRADE TO LIV	Electric Transmission	Cooley	-	-	1,547.24	(0.70)	1,546.54		
158	A.0000424.073.001.001	SAGE BRUSH - NEW 115KV SUBSTATION T	Electric Transmission	Cooley	-	-	9,679.89	10.39	9,690.28		
159	A.0000424.074.001.001	SAGE BRUSH - NEW 115KV SUBSTATION C	Electric General	Cooley	-	-	382.35	-	382.35		
160	A.0000424.076.001.001	CARDINAL - NEW 115KV SUBSTATION	Electric Transmission	Cooley	-	-	587.41	-	587.41		
161	A.0000424.085.001.002	J21 KIWA NOLO 345KV NEW 22 MILE LIN	Electric Transmission	Cooley	83.57	31,674.37	45,410.79	184.87	77,353.60		
162	A.0000424.086.001.002	KIOWA TO NORTH LOVING J21 ROW	Electric Transmission	Cooley	-	-	11,921.61	-	11,921.61		
163	A.0000424.087.001.002	J22 NOLO CHDW 345KV NEW 18 MILE LIN	Electric Transmission	Cooley	-	53,325.77	100,072.43	432.08	153,830.28		
164	A.0000424.088.001.003	J23 Kiowa RDRN 345KV Retermination	Electric Transmission	Cooley	-	2,007.26	30,637.34	225.82	32,870.42		
165	A.0000424.089.001.001	KIOWA - 345KV LINE TERMINAL TO ROAD	Electric Transmission	Cooley	-	35,144.45	20,239.73	351.46	55,735.64		
166	A.0000424.091.001.001	KIOWA - NEW 345-115KV TRANSFORMER	Electric Transmission	Cooley	-	12,611.64	21,055.76	275.61	33,943.01		
167	A.0000424.093.001.002	ROADRUNNER - 345KV LINE CONVERSION	Electric Transmission	Cooley	-	60,577.07	40,030.45	5,422.25	106,029.77		
168	A.0000424.095.001.002	ROADRUNNER - 345-115KV XFMR CONVERS	Electric Transmission	Cooley	-	25,624.73	33,128.29	334.69	59,087.71		
169	A.0000424.099.001.001	W84 CHDW-WDDW 115KV NEW 12.6MI LINE	Electric Transmission	Cooley	-	1,077.56	15,351.81	10.78	16,440.15		
170	A.0000424.100.001.001	CHINA DRAW 115KV TO WOOD DRAW	Electric Transmission	Cooley	-	1,114.30	1,985.20	(2,638.42)	461.08		
171	A.0000424.102.001.002	WOOD DRAW - NEW 115KV RING TAM	Electric Transmission	Cooley	-	612.25	3,927.91	(4,807.91)	(267.75)		
172	A.0000424.104.001.001	W-84 China Draw to Wood Draw,ROW	Electric Transmission	Cooley	-	7,769.74	-	81.28	7,851.02		
173	A.0000424.104.001.002	W84 CHINA DRAW TO WOOD DRAW ROW	Electric Transmission	Cooley	-	-	353.45	-	353.45		
174	A.0000424.105.001.001	W39 RDBF-WDDW 115KV REBLD STR 148 T	Electric Transmission	Cooley	-	391.84	-	3.92	395.76		
175	A.0000424.107.001.001	POTASH JUNCTION 230/115 KV TRANSFOR	Electric Transmission	Cooley	-	1,918.72	80.22	19.19	2,018.13		
176	A.0000424.120.001.002	N Low-Low S ROW U18	Electric Transmission	Cooley	1,649.03	109,507.30	41,074.88	1,121.43	153,352.64		
177	A.0000424.130.001.001	NORTH LOVING-NEW 115KV SUB COMM EQU	Electric General	Cooley	-	-	41.37	-	41.37		
178	A.0000424.136.001.002	INSTALL - W26 115KV MONUMENT TAP TO	Electric Transmission	Cooley	361.24	-	100,897.38	32.75	101,291.37		
179	A.0000424.137.001.002	W26 MONUMENT TAP BYRD ROW	Electric Transmission	Cooley	-	-	-	-	(4,428.67)		
180	A.0000424.137.001.003	W26 MONUMENT TAP BYRD ROW	Electric Transmission	Cooley	-	9,264.45	36,892.80	116.40	46,273.65		
181	A.0000424.143.001.002	T38 INWE TAP-IMC1 115KV REBUILD	Electric Transmission	Cooley	(57.34)	-	(836.35)	57.34	(836.35)		
182	A.0000424.143.001.003	U08 INWE TAP IMC1 115KV REBUILD	Electric Transmission	Cooley	-	-	194.49	-	194.49		
183	A.0000424.144.001.002	T38 IMC1-LSRI 115KV REBUILD	Electric Transmission	Cooley	-	-	(1,407.87)	106.67	(1,301.20)		
184	A.0000424.144.001.003	U08 IMC1 LSRI 115KV REBUILD	Electric Transmission	Cooley	-	8,715.85	194.53	141.11	9,051.49		
185	A.0000424.145.001.002	T38 PTJUL-INWE TAP 115KV REBUILD	Electric Transmission	Cooley	-	-	1,698.10	-	1,698.10		
186	A.0000424.145.001.003	U08 PTJUL INWE TAP 115KV REBUILD	Electric Transmission	Cooley	-	-	194.53	-	194.53		
187	A.0000424.150.001.002	OPIE PTJUL Intrepid Term Sub	Electric Transmission	Cooley	-	14.10	3,867.82	-	3,881.92		
188	A.0000424.150.001.003	W96 Custer Mountain to Whitten ROW	Electric Transmission	Cooley	-	-	4,316.41	-	4,316.41		
189	A.0000424.155.001.002	W 96 CUST WHTN 115KV 4MI REBLD	Electric Transmission	Cooley	-	-	24,842.08	(1.28)	24,840.80		
190	A.0000424.157.001.002	WHITTEN TERMINAL UPGR FOR CUSTER MT	Electric Transmission	Cooley	127.65	-	14,227.58	0.35	14,355.58		
191	A.0000424.159.001.002	NORTH LOVING TO CHINA DRAW J22 ROW	Electric Transmission	Cooley	-	-	1,215.54	-	1,215.54		
192	A.0000424.160.001.001	KIOWA - 345KV LINE TERMINAL TO N LO	Electric Transmission	Cooley	-	8,877.00	23,924.06	98.63	32,899.69		

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Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Total
193	A.0000424.163.001.002	N LOVING 345KV CHINA DRAW KIOWA TE	Electric Transmission	Cooley	-	25,400.67	37,823.11	436.11
194	A.0000424.164.001.002	NORTH LOVING 345KV COMMUNICATIONS	Electric General	Cooley	-	22,089.10	2,600.70	28,570.69
195	A.0000424.165.001.002	NORTH LOVING - 345/115KV TRANSFORMER	Electric Transmission	Cooley	-	9,450.46	15,761.44	25,367.23
196	A.0000424.167.001.002	CHINA DRAW 345KV NORTH LOVING TERM	Electric Transmission	Cooley	-	41,894.13	35,628.05	480.87
197	A.0000424.168.001.003	CHINA DRAW 345KV COMMUNICATIONS	Electric General	Cooley	-	-	8,144.35	8,144.35
198	A.0000424.169.001.003	CHINA DRAW - 345/115KV TRANSFORMER	Electric Transmission	Cooley	-	146,143.88	50,458.82	1,656.00
199	A.0000424.173.001.001	W39 ENTERPRISE TAP SWITCH COMMUNICA	Electric General	Cooley	-	-	2,013.57	2,013.57
200	A.0000424.174.001.001	NORTH LOVING 115KV TO HOPI	Electric Transmission	Cooley	-	-	24,401.07	29,29
201	A.0000424.177.001.001	HOPI 115 KV TO PECOS TAM	Electric Transmission	Cooley	-	268.06	6,590.28	0.83
202	A.0000424.183.001.001	J-16 PTU-RDRN 345KV NEW 40.4 MILE	Electric Transmission	Cooley	-	-	2,224.94	-
203	A.0000424.185.001.001	ROADRUNNER - NEW 115/230KV SUB	Electric Transmission	Cooley	-	-	197.39	43.40
204	A.0000424.221.001.001	PCA UPGR 115KV QUAHADA LN COMM	Electric General	Cooley	-	-	70.75	-
205	A.0000424.223.001.001	HOPI COMM	Electric General	Cooley	-	-	619.04	-
206	A.0000424.224.001.001	POTASH KIOWA U10 ROW	Electric Transmission	Cooley	-	-	49.98	-
207	A.0000424.225.001.001	ROADRUNNER KIOWA P23 ROW	Electric Transmission	Cooley	-	-	2,826.35	-
208	A.0000424.226.001.001	OPIE Potash Livingston Ridge ReCon	Electric Transmission	Cooley	-	-	40,093.34	(240.85)
209	A.0000424.229.001.001	WIPP COMM 115KV LN RLYG UPGR TO LIV	Electric General	Cooley	-	-	(384.75)	-
210	A.0000424.232.001.001	S Bush 115KV Sub Liv Rid Line Term	Electric Transmission	Cooley	-	109.35	200.55	310.99
211	A.0000424.233.001.001	Hopi breakers inst Pecos Term Sub C	Electric General	Cooley	-	-	499.25	499.25
212	A.0000427.001.001.062	K21 PLANT X TO DEAF SMITH 230KV REP	Electric Transmission	Cooley	-	-	97.23	-
213	A.0000427.001.001.130	W24 MOCO-LSLY 115KV G1ST3 LINE CAPA	Electric Transmission	Cooley	-	-	-	(1.24)
214	A.0000427.011.001.001	K83 OASI STR75 230KV 115KV LN WKS L	Electric Transmission	Cooley	-	164.22	-	1.64
215	A.0000427.014.001.001	K21 Clearance Violations	Electric Transmission	Cooley	-	1,096.00	488.47	1,595.43
216	A.0000463.001.001.002	W66 KLGR TP-POSO 115KV NEW LINE	Electric Transmission	Cooley	-	37,655.25	17,538.83	55,568.90
217	A.0000463.002.001.001	PORTALES - 115KV BUS REBUILD TO BHB	Electric Transmission	Cooley	-	7,429.32	38,985.93	46,671.85
218	A.0000463.003.001.001	GREYHOUND - NEW 115-12.47KV SUB LIN	Electric Transmission	Cooley	-	3,870.00	9,497.36	13,440.08
219	A.0000463.005.001.001	ROOSEVELT - T33 PORTALES 115KV LINE	Electric Transmission	Cooley	-	-	1,305.82	(137.42)
220	A.0000463.006.001.001	OASIS - T32 PORTALES 115KV LINE REL	Electric Transmission	Cooley	-	-	4,951.22	4,951.22
221	A.0000463.007.001.001	T32 POTL-OASI 115KV POTL RETERM	Electric Transmission	Cooley	-	-	1,232.95	-
222	A.0000463.008.001.002	W66 POSO TP-GRHD 115KV NEW LINE	Electric Transmission	Cooley	-	21,663.88	5,254.66	395.11
223	A.0000463.009.001.001	W66 POTL-KLGR 115KV POTL RETERM	Electric Transmission	Cooley	-	-	198.08	-
224	A.0000463.010.001.002	U02 POTL-GRHD 115KV NEW LINE	Electric Transmission	Cooley	-	18,477.57	3,645.70	(2,051.36)
225	A.0000463.011.001.002	KILGORE SOUTH PORTALES ROW	Electric Transmission	Cooley	-	48,799.47	806.18	529.04
226	A.0000463.013.001.001	U02 Market St Portales Greyhound RO	Electric Transmission	Cooley	-	4,166.75	312.91	65.70
227	A.0000463.013.001.002	PORTALES TO GREYHOUND U 02 ROW	Electric Transmission	Cooley	-	-	555.22	-
228	A.0000463.015.001.003	SOUTH PORTALES TO MARKET ST ROW	Electric Transmission	Cooley	-	138,031.09	29,556.49	1,442.11
229	A.0000463.015.001.004	Greyhound-Portales South ROW	Electric Transmission	Cooley	-	-	1,758.03	-
230	A.0000469.015.001.004	Z263 MLR REHAB SCHLD REPL EOL ARMS	Electric Transmission	Cooley	-	6,296.69	559.31	61.33
231	A.0000481.011.001.002	INK BASIN SUBSTATION LAND	Electric Transmission	Cooley	-	36.12	1,077.31	0.36
232	A.0000481.012.001.001	PURCH 250MVA TF COMPANY RESERVE	Electric Transmission	Cooley	-	-	3,894.07	-
233	A.0000488.001.001.002	W79 RDRN BAXE 115KV RETERM AT RDRN	Electric Transmission	Cooley	-	-	175.26	-
234	A.0000488.002.001.002	W95 RDRN CUST 115KV NW LN ARND OCHO	Electric Transmission	Cooley	-	-	644.53	-
235	A.0000488.003.001.002	U07 RDRN OCHO 115KV RETERM AT RDRN	Electric Transmission	Cooley	-	-	1,490.34	-
236	A.0000488.004.001.002	ROADRUNNER UPGRADE TERMINAL TO AGAV	Electric Transmission	Cooley	-	641.40	23,441.46	0.11
237	A.0000488.007.001.002	ROADRUNNER TO AGAVE U06 ROW	Electric Transmission	Cooley	-	3,527.70	-	3,564.39
238	A.0000488.008.001.001	RR TO AGAVE 115KV RR TERM WK PRE CO	Electric Transmission	Cooley	-	(641.40)	(23,296.97)	(23,938.37)
239	A.0000488.009.001.002	OCHOA INST BRK FAILURE TRANS TRIP R	Electric Transmission	Cooley	-	-	100.15	-
240	A.0000489.003.001.002	KISER INSTALL CAPACITOR BANK	Electric Transmission	Cooley	-	-	(80.79)	(80.79)

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Total Affiliate Charges

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	
Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total
241	A.0000489.003.001.003	KISER INSTALL CAPACITOR BANK	Electric Transmission	Cooley	-	-	3,129.13	-	3,129.13
242	A.0000494.001.001.002	SEMINOLE INTG REPL EAST 230115KV XF	Electric Transmission	Cooley	-	4,106.60	26,466.53	113.06	30,686.19
243	A.0000494.003.001.001	SemolochngEast230115KVXfrmtRpl	Electric General	Cooley	-	80.50	3,216.41	0.81	3,297.72
244	A.0000499.004.001.002	T06 ELR REHAB SCHLD REPL EOL ARMS P	Electric Transmission	Cooley	-	-	-	4.06	4.06
245	A.0000499.004.001.005	V09 ELR REHAB SCHLD REPL ARMS POLE	Electric Transmission	Cooley	-	164.22	-	1.64	165.86
246	A.0000499.012.001.003	Y99 DNVR CTY - DNVR CTY SCHLD MAIN	Electric Transmission	Cooley	-	-	90.13	-	90.13
247	A.0000499.013.001.002	T58 CARG-HPRD SCHLD MAINT ELR	Electric Transmission	Cooley	-	-	934.72	-	934.72
248	A.0000499.013.001.003	T65 CRCO-FLCO SCHLD MAINT ELR	Electric Transmission	Cooley	-	-	84.13	-	84.13
249	A.0000499.013.001.006	V29 ELR REHAB SCHLD REPL EOL ARMS P	Electric Transmission	Cooley	-	-	33,632.30	-	33,632.30
250	A.0000499.013.001.010	T49 ELR SCHLD REPL EOL ARMS AND POL	Electric Transmission	Cooley	-	-	256.37	-	256.37
251	A.0000499.015.001.003	K21ELRREHABUNGSCHLDREPL DAMG ARMS P	Electric Transmission	Cooley	-	985.32	-	7.74	993.06
252	A.0000499.015.001.009	K43 ELR REHAB SCHLD REPL ARMS AND P	Electric Transmission	Cooley	-	-	844.98	-	844.98
253	A.0000499.016.001.001	V79 HTCO RVRV 115KV TAP TO BORGER W	Electric General	Cooley	-	-	420.74	7.25	427.99
254	A.0000499.016.001.002	T25 MOCO D19S 115KV TAP TO RBEC STO	Electric General	Cooley	-	-	644.58	7.90	652.48
255	A.0000499.017.001.001	T14 MADX TLSS 115KV SSWT INST MOD C	Electric General	Cooley	-	-	473.71	-	473.71
256	A.0000499.018.001.001	V32 TXCO-WPLK SCHLD MAINT ELR	Electric Transmission	Cooley	-	-	103.57	-	103.57
257	A.0000511.001.001.002	K99 CATG-WOLF 230KV NEW LINE	Electric Transmission	Cooley	-	149,899.48	63,637.59	1,531.18	215,068.25
258	A.0000511.003.001.001	CARLSLE INTERCHANGE 230KV RING BUS	Electric Transmission	Cooley	-	64,916.38	17,907.21	703.68	83,527.27
259	A.0000511.004.001.001	WOLFORTH INTERCHANGE 230KV RING BU	Electric Transmission	Cooley	-	337,880.76	45,004.52	3,389.90	386,275.18
260	A.0000511.008.001.002	CARLSLE TO WOLFORTH K99 ROW	Electric Transmission	Cooley	-	-	12,297.02	395.90	12,692.92
261	A.0000511.009.001.003	K10 LBSO WOLF 230KV WOLF RETERM	Electric Transmission	Cooley	21.44	2,121.60	180.03	-	2,323.07
262	A.0000511.015.001.002	K24 CATG TUCO 230KV CATG RETERM	Electric Transmission	Cooley	-	-	617.30	7.67	624.97
263	A.0000511.016.001.003	K02 SNOW WOLF 230KV WOLF RETERM	Electric Transmission	Cooley	-	2,121.60	120.06	21.44	2,263.10
264	A.0000511.017.001.001	CARLSLE COMM EQUIPMENT	Electric General	Cooley	-	1,468.80	2,571.73	14.69	4,055.22
265	A.0000511.018.001.001	WOLFORTH COMM EQUIPMENT	Electric General	Cooley	-	2,284.80	238.80	23.33	2,546.93
266	A.0000511.020.001.001	LUBBOCK SOUTH TO WOLFORTH RELAY UP	Electric Transmission	Cooley	-	4,406.40	6,925.98	44.54	11,376.92
267	A.0000511.021.001.001	SUNDOWN TO WOLFORTH RELAY UPGRADE	Electric Transmission	Cooley	-	1,509.05	5,643.57	15.30	7,167.92
268	A.0000511.022.001.001	TUCO TO CARLSLE RELAY UPGRADE	Electric Transmission	Cooley	-	9,955.20	3,493.13	99.78	13,548.11
269	A.0000511.025.001.001	SUNDOWN RTU REPLACEMENT COMM	Electric General	Cooley	-	2,121.60	881.63	(102.16)	2,901.07
270	A.0000511.026.001.001	K39 CATG RETERM LPL 230KV	Electric Transmission	Cooley	-	8,503.21	505.22	119.07	9,127.50
271	A.0000513.002.001.001	Castro Co Breaker 8829 Replacement	Electric Transmission	Cooley	-	888.83	4,559.51	8.89	5,457.23
272	A.0000513.004.001.001	Denver City Breaker W970 Replacement	Electric Transmission	Cooley	-	3,067.29	1,034.35	30.67	4,132.31
273	A.0000513.005.001.001	Denver City Breaker W900 Replacement	Electric Transmission	Cooley	-	3,188.40	6,861.14	42.30	10,091.84
274	A.0000514.003.001.001	ROCKY POINT RPL 69KV DISCNCT SWITC	Electric Transmission	Cooley	-	-	97.73	32.74	130.47
275	A.0000519.001.001.001	ROOSEVELT - 230KV DOUBLE BUS EXPANS	Electric Transmission	Cooley	-	-	5,747.03	(160.83)	5,586.20
276	A.0000519.004.001.001	OASIS - K51 ROOSEVELT 230KV LINE RE	Electric Transmission	Cooley	-	-	101.50	-	101.50
277	A.0000522.001.001.002	T26 REBUILD OF STR 236 TO CHAVES	Electric Transmission	Cooley	-	103.28	34,604.60	1.03	34,708.91
278	A.0000522.002.001.002	W99 CVCOCAPN NEW 13 MI LINE AND 18	Electric Transmission	Cooley	-	64,972.82	62,368.74	(2,604.08)	125,737.48
279	A.0000522.004.001.002	CAPTAN 115KV LINE UPGRADE	Electric Transmission	Cooley	-	(2,437.01)	(11,296.21)	(245.60)	(13,978.82)
280	A.0000522.004.001.003	CAPTAN 115KV LINE UPGRADE	Electric Transmission	Cooley	-	2,437.01	15,038.32	20.14	17,495.47
281	A.0000522.005.001.002	CHAVES - NEW 115KV TERMINAL	Electric Transmission	Cooley	-	24.30	15,129.62	29.56	15,183.48
282	A.0000522.006.001.002	CAPTAN PRICE CHAVES W99 ROW	Electric Transmission	Cooley	-	(2,437.57)	19,282.18	45.81	16,890.42
283	A.0000522.009.001.001	Z09 BSHR PRIC 69KV STR REM STR REPL	Electric Transmission	Cooley	-	-	9,421.54	-	9,421.54
284	A.0000522.010.001.001	CAPTAN 115KV TERMINAL UPGR COMM	Electric General	Cooley	-	-	129.60	(108.67)	20.93
285	A.0000522.013.001.001	ROSWELL CAPTAN TERMINAL UPGRADE	Electric Transmission	Cooley	-	-	4,318.21	-	4,318.21
286	A.0000532.002.001.001	RIVERVIEW - V31 LINE RELAY REPLACEM	Electric Transmission	Cooley	-	-	182.08	(71.29)	110.79
287	A.0000532.003.001.001	RIVERVIEW - REPLACE RTU	Electric General	Cooley	-	-	-	(0.31)	(0.31)
288	A.0000537.001.001.001	HITCHLAND-NEW 345 KV TERMINAL-GEN-2	Electric Transmission	Cooley	-	3,504.64	36,891.13	3.17	42,398.94

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(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total
289	A.0000540.001.001.002	W92-EAGLE CREEK TO ATOKA-NEW 115KV	Electric Transmission	Cooley	-	-	102,535.79	(18.03)	102,535.76
290	A.0000540.004.001.001	SEVEN RIVERS 115KV T43 RELAY UPGRA	Electric Transmission	Cooley	-	24.30	315.10	0.24	339.64
291	A.0000540.005.001.001	EDDY COUNTY - ATOKA 115KV LINE RELA	Electric Transmission	Cooley	-	-	384.74	32.68	417.42
292	A.0000540.017.001.001	ATOKA SUBSTATION - COMM	Electric General	Cooley	-	-	3,440.44	-	3,440.44
293	A.0000540.018.001.002	W92 ATOKA TO EAGLE CREEK ROW	Electric Transmission	Cooley	-	-	5,905.66	-	5,905.66
294	A.0000549.001.001.001	COBURN CREEK TAM - NEW 115-13.2KV S	Electric Transmission	Cooley	-	-	5,597.23	(0.70)	5,596.53
295	A.0000549.002.001.002	W-78 WHCO-CNCK NEW 115KV TRANMISSIO	Electric Transmission	Cooley	-	-	1,467.84	-	1,467.84
296	A.0000549.004.001.001	WHEELER ? ADD 115KV TERMINAL TO COB	Electric Transmission	Cooley	-	-	113.53	-	113.53
297	A.0000549.005.001.001	COBURN CREEK DCP - NEW 115-13.2KV S	Electric Distribution	Meeks	-	42.53	-	(233.54)	(191.01)
298	A.0000553.001.001.001	DIAMONDBACK - 115KV LYNTEGAR WELCH	Electric Transmission	Cooley	-	-	129.62	-	129.62
299	A.0000556.002.001.001	HUTCHINSON CO - REPLACE FAULT RECOR	Electric General	Cooley	-	-	-	40.72	40.72
300	A.0000564.002.001.001	TUCO REPL 345230KV 560MVA AUTOXFMR	Electric Transmission	Cooley	-	995.82	3,009.99	9.95	4,015.76
301	A.0000574.005.001.001	T37-SONC-PUWE-115KV PUCKETT WEST RE	Electric Transmission	Cooley	-	-	(21.90)	-	(21.90)
302	A.0000574.007.001.001	Coulter Relay Mod Sub Comm	Electric General	Cooley	-	-	(43.80)	-	(43.80)
303	A.0000588.010.001.001	GRASSLAND RTU REPLACEMENT COMM	Electric General	Cooley	-	20,139.00	3,110.26	201.39	23,450.65
304	A.0000588.011.001.002	Moore Co RTU replacement	Electric General	Cooley	-	3,726.05	18,775.55	79.97	22,581.57
305	A.0000589.009.001.001	TUCO COMM 115KV RTU UPGRADE	Electric General	Cooley	-	9,501.60	1,330.78	(357.96)	10,474.42
306	A.0000597.001.001.001	HITCHLAND- INSTALL 2ND 230/115 KV T	Electric Transmission	Cooley	-	-	122.84	14.65	137.49
307	A.0000610.002.001.002	W-69 CUCO-BACO TX PORTION OF CURRY	Electric Transmission	Cooley	-	-	1,882.20	-	1,882.20
308	A.0000610.003.001.001	BAILEY - ADD 115KV BUS AND TERMINA	Electric Transmission	Cooley	-	-	49.30	-	49.30
309	A.0000610.004.001.001	CURRY CONVERT 115KV TO BREAKER AND	Electric Transmission	Cooley	-	-	4,615.08	-	4,615.08
310	A.0000610.007.001.002	CURRY TO BAILEY NM W69 ROW	Electric Transmission	Cooley	-	-	2,858.44	-	2,858.44
311	A.0000610.027.001.002	W-69 CUCO-BACO NM PORTION OF CURRY	Electric Transmission	Cooley	-	-	568.89	-	568.89
312	A.0000612.001.001.001	CAMEX NEW 115-13.2KV SUBSTATION - T	Electric Transmission	Cooley	-	-	-	(81.90)	(81.90)
313	A.0000616.001.001.001	SONCY - 115KV BUS BUILD	Electric Transmission	Cooley	-	4,001.54	46,908.63	40.02	50,950.19
314	A.0000616.002.001.001	T37-PUCKETT-SONCY TAP-115KV CONVERS	Electric Transmission	Cooley	-	85.06	7,815.70	(0.28)	7,900.48
315	A.0000616.006.001.001	Y72 SONGY TO COULTER 115KV RE-TERMI	Electric Transmission	Cooley	-	72.90	2,792.29	0.73	2,865.92
316	A.0000616.008.001.001	T37 Tap to Soney sub, ROW	Electric Transmission	Cooley	-	-	225.96	-	225.96
317	A.0000640.008.001.002	TOLK BKR REPLACEMENTS TK12, TK39, T	Electric Transmission	Cooley	-	7,603.50	72.74	90.51	7,766.75
318	A.0000640.020.001.001	TEXAS CTY-ELR 115KV CB 800.804 BKRS	Electric Transmission	Cooley	-	14,059.84	10,760.40	140.59	24,960.83
319	A.0000640.021.001.001	HITCHLAND 115KV LN W09 RELAY MO	Electric Transmission	Cooley	-	42.53	4,140.34	0.43	4,183.30
320	A.0000640.023.001.001	AMOCO REPL 230KV BKRS 3K10 3K15 3K2	Electric Transmission	Cooley	-	1,645.94	12,852.65	16.47	14,515.06
321	A.0000646.004.001.002	OCHILTREE TO LIPSCOMB W50 ROW	Electric Transmission	Cooley	-	165.86	6,852.35	(1.24)	7,016.97
322	A.0000646.012.001.001	OCHILTREE - NEW 115KV LINE COMMUNIC	Electric General	Cooley	-	-	-	6.29	6.29
323	A.0000646.015.001.002	LIPSCOMB - ADD 115-12.5KV TR2 DCP	Electric Distribution	Meeks	-	-	49.66	-	49.66
324	A.0000658.001.001.002	YOCO - Inst 115KV BFR	Electric Transmission	Cooley	-	-	1,965.32	-	1,965.32
325	A.0000658.002.001.002	SGRV - Inst 115KV BFR	Electric Transmission	Cooley	-	-	11,772.43	15.49	11,787.92
326	A.0000658.003.001.002	TECO - Inst 115KV BFR	Electric Transmission	Cooley	-	-	10,533.00	-	10,533.00
327	A.0000658.006.001.001	Terry Co Comm	Electric General	Cooley	-	-	4,106.82	-	4,106.82
328	A.0000658.007.001.001	Seagraves Comm	Electric General	Cooley	-	-	35.98	-	35.98
329	A.0000663.001.001.002	SNDW-Rep1 230KV Wave Trap	Electric Transmission	Cooley	-	-	1,805.02	-	1,805.02
330	A.0000663.002.001.002	AMSS-Rep1 230KV Wave Trap	Electric Transmission	Cooley	-	-	1,412.19	-	1,412.19
331	A.0000663.005.001.002	K03-Raise Str 657	Electric Transmission	Cooley	-	-	194.53	-	194.53
332	A.0000673.022.001.001	J-17 Tuc to Yoakum, ROW	Electric Transmission	Cooley	418.43	715,341.46	102,023.40	7,105.09	824,888.38
333	A.0000673.022.001.002	TUCO-Yoakum 345KV ROW UID 5044	Electric Transmission	Cooley	-	-	878.64	-	878.64
334	A.0000673.024.001.001	J-18 Yoakum to TX Sateline, ROW	Electric Transmission	Cooley	-	4,515.36	6,865.22	233.75	11,614.33
335	A.0000673.026.001.002	NM STATELINE TO HOBBS J18 ROW	Electric Transmission	Cooley	-	-	88,897.18	42.63	88,939.81
336	A.0000673.041.001.001	Yoakum 345 kv Land	Electric Transmission	Cooley	-	5,416.42	-	54.16	5,470.58

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(A)		(B)		(C)		(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total		
337	A.0000706.001.001.001	HITCHLAND-NEW 345KV TERMINAL TO FIR	Electric Transmission	Cooley	-	105.05	5,424.04	(268.12)	5,260.97		
338	A.0000706.002.001.001	HITCHLAND ADD STATION MGR RTU COMM	Electric General	Cooley	-	-	225.89	7.15	233.04		
339	A.0000707.001.001.001	GRAHAM-INSTALL 2ND 115-69KV 84MVA X	Electric General	Cooley	-	(1,305.60)	6.48	4.43	(1,294.69)		
340	A.0000707.002.001.001	GRAHAM 2ND 115-69KV 84MVA XFMR-TAM	Electric Transmission	Cooley	-	115.43	921.65	(20.84)	1,016.24		
341	A.0000707.004.001.001	T21 GRAHAM INTG RETERM ROW	Electric Transmission	Cooley	-	652.80	-	4.43	657.23		
342	A.0000710.001.001.001	ROOSEVELT COUNTY INFRASTRUCTURE UPG	Electric Transmission	Cooley	-	13,734.89	9,371.27	(319.94)	22,786.22		
343	A.0000710.003.001.001	HARRINGTON INFRASTRUCTURE UPGRADES	Electric Transmission	Cooley	-	7,896.42	117.60	(36.07)	7,977.95		
344	A.0000710.003.001.003	HITCHLAND INFRASTRUCTURE UPGRADE	Electric Transmission	Cooley	-	10,841.06	1,353.82	49.99	12,244.87		
345	A.0000710.003.001.004	TOLK INFRASTRUCTURE UPGRADE	Electric Transmission	Cooley	-	7,327.34	490.48	(177.07)	7,640.75		
346	A.0000710.003.001.005	PLANT X INFRASTRUCTURE UPGRADES	Electric Transmission	Cooley	-	7,482.88	9,989.28	(161.17)	17,310.99		
347	A.0000710.003.001.006	YOAKUM INFRASTRUCTURE UPGRADE	Electric Transmission	Cooley	-	4,246.89	3,641.71	(133.17)	7,755.43		
348	A.0000710.007.001.001	EDDY COUNTY SECURITY CAMERA UPRGR CO	Electric General	Cooley	-	6,389.92	107.28	(82.48)	6,414.72		
349	A.0000710.007.001.003	ROOSEVELT CTY SECURITY CAMERA UPRGR	Electric General	Cooley	-	5,743.61	328.59	(168.92)	5,903.28		
350	A.0000710.008.001.001	HITCHLAND SECURITY CAMERA UPRGR COMM	Electric General	Cooley	-	-	223.38	-	223.38		
351	A.0000710.008.001.002	MOORE COUNTY SECURITY CAMERA UPRGR C	Electric General	Cooley	-	85.72	44.36	0.58	130.66		
352	A.0000710.008.001.004	POTTER COUNTY SECURITY CAMERA UPRGR	Electric General	Cooley	-	-	66.39	-	66.39		
353	A.0000710.008.001.008	PLANT X SECURITY CAMERA UPRGR COMM	Electric General	Cooley	-	5,003.33	206.90	(127.56)	5,082.67		
354	A.0000710.008.001.009	TOLK SECURITY CAMERA UPGRADE COMM	Electric General	Cooley	-	3,872.92	200.05	(216.03)	3,856.94		
355	A.0000710.008.001.010	TUCO SECURITY CAMERA UPGRADE COMM	Electric General	Cooley	-	10,835.15	36.57	(56.16)	10,815.56		
356	A.0000710.008.001.012	HARRINGTON STN PHYSICAL SECURITY CO	Electric General	Cooley	-	2,606.57	168.45	(14.90)	2,760.12		
357	A.0000710.008.001.013	YOAKUM PHYSICAL SECURITY COMM UPRGR	Electric General	Cooley	-	1,173.52	110.64	(10.87)	1,273.29		
358	A.0000710.008.001.014	Randall Co SECURITY CAMERA UPGRADE	Electric General	Cooley	444.63	5,681.08	6,735.62	58.40	12,919.73		
359	A.0000710.008.001.015	Amarillo South SECURITY CAMERA UPRGR	Electric General	Cooley	-	3,803.73	7,452.37	40.13	11,296.23		
360	A.0000711.001.001.001	U06 RDRN AGAVE2 115KV NEW LINE	Electric Transmission	Cooley	-	-	520.38	-	520.38		
361	A.0000711.002.001.001	U06 RDRN AGAVE2 115KV SLACK SPAN ON	Electric Transmission	Cooley	-	-	350.58	-	350.58		
362	A.0000736.001.001.001	NEEDMORE NEW 230KV SUBSTATION TOIF	Electric Transmission	Cooley	-	60.37	1,754.74	1.61	1,816.72		
363	A.0000736.002.001.001	NEEDMORE NEW 230KV SUBSTATION	Electric Transmission	Cooley	-	1,299.74	24,137.21	14.89	25,451.84		
364	A.0000736.003.001.001	NEEDMORE NEW 230KV SUBSTATION COMM	Electric General	Cooley	-	65,954.10	8,596.82	736.72	75,287.64		
365	A.0000736.005.001.001	R05 TKST NDMR 230KV TERM INTO NDMR	Electric Transmission	Cooley	-	26.83	32,770.89	(35.15)	32,762.57		
366	A.0000736.006.001.001	R06 NDMR YOCO 230KV TERM INTO NDMR	Electric Transmission	Cooley	-	107.32	2,211.66	1.36	2,320.34		
367	A.0000767.003.001.001	OSAGE- RETIRE4-115KV LINE TERM-BKR	Electric Transmission	Cooley	-	1,009.23	990.01	233.57	2,232.81		
368	A.0000767.004.001.001	RANDALL CO-115KV BUS EXPANSION	Electric Transmission	Cooley	-	-	352.54	(24.78)	327.76		
369	A.0000767.005.001.001	SOUTH GEORGIA 115KV TERMINAL UPGRAD	Electric Transmission	Cooley	-	-	100.00	0.52	100.52		
370	A.0000767.008.001.001	EAST PLANT-115KV TERMINAL UPGRADE-U	Electric Transmission	Cooley	-	-	1,882.25	1.02	1,883.27		
371	A.0000767.009.001.001	V70-RNCO-SOGE-115KV-RECONDUCTOR 795	Electric Transmission	Cooley	-	-	-	(75.00)	(75.00)		
372	A.0000767.017.001.002	W77 OSSS-RNCO 115KV EXTENDING CKT TO R	Electric Transmission	Cooley	-	-	18.96	-	18.96		
373	A.0000768.001.001.001	BLANCO - NEW 115KV SWITCHING STATIO	Electric Transmission	Cooley	-	13,276.48	72,162.09	190.33	85,628.90		
374	A.0000768.002.001.001	W-90 BLANCO - CROSBY CO. INTG 115KV	Electric Transmission	Cooley	-	19,922.98	35,401.51	318.23	55,642.72		
375	A.0000768.003.001.001	W-91 BLANCO - FLOYD 115KV FEED TO N	Electric Transmission	Cooley	-	1,521.31	1,925.31	36.95	3,483.57		
376	A.0000768.004.001.001	BLANCO SUBSTATION - COMM	Electric General	Cooley	-	12,204.00	3,134.48	134.46	15,472.94		
377	A.0000768.005.001.001	CROSBY - RELAY REPLACEMENT T65	Electric Transmission	Cooley	-	3,291.03	3,969.04	34.04	7,294.11		
378	A.0000768.006.001.001	FLOYD COUNTY - BLANCO 115KV LINE RE	Electric Transmission	Cooley	-	(63.03)	5,034.21	1.97	4,973.15		
379	A.0000776.002.001.001	HOBBS GEN TAM SEC SPR 345 230KV 560	Electric Transmission	Cooley	-	-	3,210.66	60.38	3,271.04		
380	A.0000781.010.001.001	V44 CLTR OWCR 115KV TXDOT LOOP 335	Electric Transmission	Cooley	-	-	0.00	4,169.17	4,169.17		
381	A.0000781.011.001.002	Tap V52 to Outpost	Electric Transmission	Cooley	-	-	(1,185.24)	-	(1,185.24)		
382	A.0000781.012.001.001	Outpost Substation Highside	Electric Transmission	Cooley	-	-	8,174.91	-	8,174.91		
383	A.0000781.015.001.001	Modify V44 at Colter for SL 335	Electric Transmission	Cooley	-	-	799.59	-	799.59		
384	A.0000781.016.001.001	U16 BUILD-OUTTP IN-OUT OF OUTP	Electric Transmission	Cooley	-	255.60	22,668.89	2.56	22,927.05		

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Total Affiliate Charges

(A)		(B)		(C)		(D)		(E)	(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description		Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total		
385	A.0000781.017.001.001	U17 CLTR-OUTP IN-OUT OF OUTP		Electric Transmission	Cooley	-	255.60	23,188.11	2.56	23,446.27		
386	A.0000795.001.001.005	T70 SOGE - CLTR OPGW		Electric Transmission	Cooley	-	1,416.00	14,135.85	14.16	15,566.01		
387	A.0000795.002.001.001	SPS GRPI COMM NETWORK UPGRADE - EAS		Electric Transmission	Cooley	-	-	302.29	-	302.29		
388	A.0000795.003.001.001	SOGE Fiber Ring Comm		Electric General	Cooley	-	-	759.52	-	759.52		
389	A.0000795.003.001.010	SPS GRPI COMM NETWORK UPGRADE-COMM-		Electric General	Cooley	-	-	124.10	-	124.10		
390	A.0000820.006.001.005	MOORE COUNTY SECURITY CAMERA UPGRAD		Electric Transmission	Cooley	-	-	(233.16)	-	(233.16)		
391	A.0000825.003.001.001	BUSHLAND 230KV WT REPLACEMENT TAM		Electric Transmission	Cooley	-	-	111.68	-	111.68		
392	A.0000843.006.001.001	WEST BENDER REPL 115KV BUS 115KV SW		Electric Transmission	Cooley	-	-	82.87	-	82.87		
393	A.0000846.001.001.003	DENVER CITY - 115KV BREAKER RELAY A		Electric Transmission	Cooley	-	48,462.63	6,466.98	573.56	55,503.17		
394	A.0000846.002.001.001	DENVER CITY COMM REPL RTU UPGRADES		Electric General	Cooley	-	2,121.60	6,032.28	33.10	8,186.98		
395	A.0000851.001.001.001	PRINGLE INTG-UPGRADE STATION TO BRE		Electric Transmission	Cooley	-	-	33.21	35.12	68.33		
396	A.0000851.002.001.002	PRINGLE SUBSTATION COMM		Electric General	Cooley	-	24.30	389.57	84.16	498.03		
397	A.0000851.003.001.001	RIVERVIEW TO PRINGLE RELAY REPLACEMENT		Electric Transmission	Cooley	-	-	147.53	-	147.53		
398	A.0000851.004.001.001	BLACKHAWK TO PRINGLE RELAY UPGRADE		Electric Transmission	Cooley	-	-	82.87	-	82.87		
399	A.0000851.005.001.001	SPEARMAN TO PRINGLE RELAY REPLACEMENT		Electric Transmission	Cooley	-	-	49.66	-	49.66		
400	A.0000851.014.001.001	HARRINGTON TO PRINGLE RELAY REPLACEMENT		Electric Transmission	Cooley	-	-	57.89	-	57.89		
401	A.0000854.003.001.001	T01 TXCO COLE 115KV TAP TO TCCE AGG		Electric General	Cooley	-	60.75	91.18	0.76	152.69		
402	A.0000860.003.001.001	CURRY CO DIST XHMR CONVERSION		Electric Transmission	Cooley	-	40.25	23,104.59	49.50	23,194.34		
403	A.0000866.003.001.001	LAMB COUNTY SUD EXPANSION LAND		Electric Transmission	Cooley	-	-	767.06	(0.03)	767.03		
404	A.0000890.001.001.001	EDDY CO. 230/115 XFMR #1 UPGRADE		Electric Transmission	Cooley	-	-	1,979.88	-	1,979.88		
405	A.0000893.001.001.002	FINNEY HOLCOMB 345KV RELAY UPGRADE		Electric Transmission	Cooley	-	195.28	32,925.01	17.39	33,137.68		
406	A.0000902.001.001.001	TUCO ? ADD 230KV HALE WIND TERMINAL		Electric Transmission	Cooley	-	-	1,459.44	-	1,459.44		
407	A.0000902.002.001.001	TUCO RTU ADDITION COMM		Electric General	Cooley	-	(1,489.15)	-	-	(1,489.15)		
408	A.0000904.001.001.001	EAGLE CREEK SUB 115KV CAP BANK- TAM		Electric Transmission	Cooley	-	-	40.04	-	40.04		
409	A.0000906.001.001.001	LYNN - REPLACE RTU		Electric General	Cooley	-	-	3,376.58	-	3,376.58		
410	A.0000907.002.001.001	KISER 115KV EEE COMMUNICATION ADD		Electric General	Cooley	-	-	276.39	-	276.39		
411	A.0000914.001.001.001	DRINKARD ADD 14.4MVAR CAP BANK		Electric Transmission	Cooley	-	-	-	(0.12)	(0.12)		
412	A.0000915.003.001.001	W24 MOCO LSLY 115KV TAP TO RBEC ELK		Electric General	Cooley	-	-	279.22	-	279.22		
413	A.0000916.002.001.001	K-21 PXST-DSTG 230KV DEAF SMITH SUB		Electric Transmission	Cooley	-	-	675.48	-	675.48		
414	A.0000916.003.001.001	K-1 BUILD-DSTG 230KV DEAF SMITH SUBS		Electric Transmission	Cooley	-	-	19.95	-	19.95		
415	A.0000916.007.001.001	BUSHLAND LN RLY UPGR DEAF SMITH K11		Electric Transmission	Cooley	-	-	816.58	-	816.58		
416	A.0000916.010.001.001	PLANT X230KV LRU TO DEAF SMITH K21		Electric Transmission	Cooley	-	-	7,884.39	-	7,884.39		
417	A.0000924.002.001.001	HARRINGTON - PHONE SECURITY UPGRADE		Electric General	Cooley	-	-	-	(25.87)	(25.87)		
418	A.0000924.009.001.001	PLANT X - COMMUNICATION EQUIPMENT U		Electric General	Cooley	-	-	283.30	-	283.30		
419	A.0000924.011.001.001	ROOSEVELT CITY-FRAME RELAY REPLACEMENT		Electric General	Cooley	-	-	19.95	7.26	27.21		
420	A.0000924.013.001.001	TUCO-COMMUNICATION EQUIPMENT UPGRADE		Electric General	Cooley	-	-	-	41.72	41.72		
421	A.0000924.014.001.001	YOAKUM - COMMUNICATION EQUIPMENT UP		Electric General	Cooley	-	-	1,035.42	-	1,035.42		
422	A.0000936.003.001.002	T28 115KV ROCKY FORD TAP SWITCH		Electric Transmission	Cooley	(10.52)	422.28	(422.28)	5.26	(5.26)		
423	A.0000946.001.001.001	PCA - UPGRADE TERMINAL TO CARLSBAD		Electric Transmission	Cooley	-	-	49.66	-	49.66		
424	A.0000947.003.001.001	W77 CAWE RNC0 115KV INST MOD COMM		Electric General	Cooley	-	-	132.84	0.06	132.84		
425	A.0000948.002.001.001	FINNEY SWITCHING STATION - FRAME REPLACEMENT		Electric General	Cooley	-	-	40.11	10.36	50.47		
426	A.0000948.003.001.001	OASIS - FRAME RELAY CIRCUIT REPLACEMENT		Electric General	Cooley	-	72.90	40.11	11.16	124.17		
427	A.0000948.003.001.002	EDDY CO - UPGRADE COMM EQUIPMENT		Electric General	Cooley	-	-	45.26	-	45.26		
428	A.0000948.003.001.003	EDDY COUNTY CIP DUAL NETWORK COMM		Electric General	Cooley	-	-	3,561.00	-	3,561.00		
429	A.0000948.003.001.005	LOPEZ - FRAME RELAY CIRCUIT REPLACEMENT		Electric General	Cooley	-	-	56.43	13.61	70.04		
430	A.0000948.003.001.006	NEF - FRAME RELAY REPLACEMENT-COMM		Electric General	Cooley	-	-	70.75	-	70.75		
431	A.0000948.004.001.001	AMARILLO SOUTH - FRAME RELAY CIRCUIT		Electric General	Cooley	-	-	59.97	30.14	90.11		
432	A.0000948.004.001.002	DALLAM COUNTY-FRAME RELAY CIRCUIT R		Electric General	Cooley	-	18.23	56.85	0.18	75.26		

Southwestern Public Service Company

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Total Affiliate Charges

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Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total		
433	A.0000948.004.001.003	CIRRUS - FRAME RELAY CIRCUIT REPLAC	Electric General	Cooley	-	-	59.97	13.26	73.23		
434	A.0000948.004.001.005	GRAPEVINE - FRAME RELAY CIRCUIT REP	Electric General	Cooley	-	-	191.25	-	191.25		
435	A.0000948.004.001.006	YOAKUM - FRAME RELAY CIRCUIT REPLAC	Electric General	Cooley	-	-	(1,035.42)	-	(1,035.42)		
436	A.0000948.004.001.007	RANDALL COUNTY - FRAME RELAY CIRCUIT	Electric General	Cooley	-	-	-	3.31	3.31		
437	A.0000948.004.001.009	COX - FRAME RELAY CIRCUIT REPLACEMENT	Electric General	Cooley	-	-	36.47	-	36.47		
438	A.0000948.004.001.013	KIRBY - FRAME RELAY CIRCUIT REPLACEMENT	Electric General	Cooley	-	18.23	130.78	5.20	154.21		
439	A.0000948.004.001.015	HOWARD - FRAME RELAY REPLACEMENT-CO	Electric General	Cooley	-	-	41.37	-	41.37		
440	A.0000948.004.001.019	TUCO CIP DUAL NETWORK COMM	Electric General	Cooley	-	121.50	1,612.13	1.51	1,735.14		
441	A.0000948.004.001.020	HITCHLAND CIP DUAL NETWORK COMM	Electric General	Cooley	-	-	1,360.58	-	1,360.58		
442	A.0000948.004.001.023	TUCO CIP Frame Relay	Electric General	Cooley	-	-	856.21	-	856.21		
443	A.0000948.004.001.024	HTLD CIP Frame Relay	Electric General	Cooley	-	-	3,061.37	-	3,061.37		
444	A.0000974.012.001.001	OPTIMA LAND ELEC TRAN SUB OK	Electric Transmission	Cooley	-	-	4,354.91	-	4,354.91		
445	A.0000977.002.001.001	POTASH JUNCTION Z2 WAVE TRAP REMOVA	Electric Transmission	Cooley	-	-	49.66	-	49.66		
446	A.0000979.004.001.001	Mustang Station to Shell ROW	Electric Transmission	Cooley	62.91	5,173.68	53,132.93	179.30	58,548.82		
447	A.0000979.004.001.002	MUSTANG STA TO SHELL CO2 115KV TLIN	Electric Transmission	Cooley	-	-	5,060.47	(9.75)	5,050.72		
448	A.0000979.004.001.003	MUST-SHELL 115KV ROW	Electric Transmission	Cooley	-	-	3,977.73	167.65	4,145.38		
449	A.0001000.001.001.001	Hutchinson LTC Replacement	Electric Transmission	Cooley	-	-	4,578.85	-	4,578.85		
450	A.0001002.001.001.001	LOA N Loving Ter Up RR Plant LucidT	Electric Transmission	Cooley	-	-	7,818.62	-	7,818.62		
451	A.0001002.002.001.001	LOA N Loving Ter Up RR Plant LucidX	Electric Transmission	Cooley	-	-	2,372.79	-	2,372.79		
452	A.0001003.001.001.003	Lighthouse Switch Inst Bill of Sale	Electric Transmission	Cooley	-	-	1,371.99	195.26	1,567.25		
453	A.0001008.002.001.002	MAHY-NEW 230KV SW SUB	Electric Transmission	Cooley	-	-	194.56	-	194.56		
454	A.0001008.005.001.001	AWOR RELAY UPGRADE SUB	Electric Transmission	Cooley	-	-	135.15	-	135.15		
455	A.0001008.006.001.001	BRU RELAY UPGRADE SUB	Electric Transmission	Cooley	-	-	118.58	17.07	135.65		
456	A.0001008.009.001.001	R11 230KV BRU Mahoney TLIN	Electric Transmission	Cooley	-	-	2,529.82	96.73	2,626.55		
457	A.0001008.010.001.001	R12 230KV AWOR Mahoney TLIN	Electric Transmission	Cooley	-	-	601.09	-	601.09		
458	A.0001036.001.001.002	PXST - Add 2nd 230-115KV Auto TF	Electric Transmission	Cooley	-	-	0.00	-	0.00		
459	A.0001051.001.001.002	SFE-HALE CNTY INT-RPL WAVE TRAP V7	Electric Transmission	Cooley	-	-	38.53	-	38.53		
460	A.0001067.001.001.001	Lubbock East K57 Relay Upgrade	Electric Transmission	Cooley	-	-	7,335.56	-	7,335.56		
461	A.0001067.002.001.001	Lubbock South Communication	Electric General	Cooley	-	1,795.20	859.90	17.95	2,673.05		
462	A.0001067.003.001.001	Lubbock East Communication	Electric General	Cooley	-	-	856.52	-	856.52		
463	A.0001067.004.001.001	Lubbock South K64 Relay Upgrade	Electric Transmission	Cooley	-	2,835.80	5,347.47	28.37	8,211.64		
464	A.0001068.001.001.001	HobbsStreetRel T97	Electric Transmission	Cooley	-	-	3,634.64	-	3,634.64		
465	A.0001076.001.001.001	W72 NOLO-CHDW INST 3 Way SW	Electric Transmission	Cooley	-	72.90	5,509.05	53.11	5,635.06		
466	A.0001078.001.001.001	UPLC Upgrade Yoakum Needmore Parent	Electric Transmission	Cooley	-	-	2,812.74	-	2,812.74		
467	A.0001078.002.001.001	UPLC UpgradeTolk Needmore Parent	Electric Transmission	Cooley	-	67.08	2,313.17	0.67	2,380.92		
468	A.0001097.002.001.001	INST Z77 69KV SW	Electric Transmission	Cooley	-	-	3,947.65	36.31	3,983.96		
469	A.0001106.001.001.001	WIPP W38 STR RELOC REIMB	Electric Transmission	Cooley	-	-	49,676.79	27.87	50,215.86		
470	A.0001118.006.001.001	Lock and Key System SPS TX	Electric General	Cooley	2,679.88	23,442.43	21,970.22	751.14	48,843.67		
471	A.0001118.007.001.001	Lock and Key System SPS NM	Electric General	Cooley	-	17,800.85	634.10	168.21	18,603.16		
472	A.0001118.009.001.001	Lock and Key System SPS OK	Electric General	Cooley	-	120.18	60.31	181.69	862.07		
473	A.0001126.001.001.001	INST U08 TEMP 115KV SW REIMB TOIF	Electric Transmission	Cooley	-	-	528.85	-	528.85		
474	A.0001126.002.001.001	INST U08 115KV SW	Electric Transmission	Cooley	-	-	2,251.98	-	2,251.98		
475	A.0001136.001.001.001	INST 1 WAY 115KV W72 MATADOR SWITCH	Electric Transmission	Cooley	-	-	6,423.41	199.93	6,623.34		
476	A.0001183.001.001.002	COCHRAN TERM UP LINE RATING	Electric Transmission	Cooley	-	-	3,721.54	-	3,721.54		
477	A.0001183.004.001.002	U19 PLAINS TO LTDW LINE RATING	Electric Transmission	Cooley	-	-	2,201.84	-	2,201.84		
478	A.0001183.005.001.002	U20 LTDW TO COCHRAN LINE RATINGS	Electric Transmission	Cooley	-	-	7,561.53	-	7,561.53		
479	A.0001267.001.001.002	345 115KV 448MVA XfmrsSub	Electric Transmission	Cooley	-	-	6,988.70	-	6,988.70		
480	A.0001270.001.001.002	BENSING-115-12.47KV DIST-TAM	Electric Transmission	Cooley	-	-	-	0.12	0.12		

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Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total
481	A.0001270.003.001.001	T98 - 115KV THREE WAY SWITCH BENSING	Electric Transmission	Cooley	-	-	-	11.38	11.38
482	A.0001270.004.001.001	HIGG PULSE MTRING ON T98 TO HOBBS G	Electric Transmission	Cooley	-	-	194.65	0.18	194.83
483	A.0001271.004.001.002	U04 CRDL TEAG 115KV RECON	Electric Transmission	Cooley	-	11,197.03	3,759.52	145.69	15,102.24
484	A.0001272.001.001.002	CARGILL INST 144 MVAR CAP BK	Electric Transmission	Cooley	-	1,055.05	209,610.98	26.48	210,692.51
485	A.0001272.002.001.001	CARG CAP BK - COMM	Electric General	Cooley	-	-	6,712.62	-	6,712.62
486	A.0001273.005.001.003	TUCO SUB: RPL 69KV DISCONNECTS	Electric Transmission	Cooley	-	6,781.50	-	81.28	6,862.78
487	A.0001273.006.001.002	RIVERVIEW V38 115KV TERMINAL UPGRAD	Electric Transmission	Cooley	-	-	140.84	-	140.84
488	A.0001273.007.001.001	HITCHLAND-REPL 345KV NOBLE WIND CTP	Electric Transmission	Cooley	-	-	82.47	-	82.47
489	A.0001273.012.001.001	AMOCO SW STA RPL 230KV GOABS	Electric Transmission	Cooley	-	9,864.00	-	1,264.45	11,128.45
490	A.0001273.017.001.001	Jones Transformer Pad	Electric Transmission	Cooley	-	42.53	3,510.77	0.43	3,553.73
491	A.0001283.001.001.002	LEA CO PLAINS-ADD 115KV 14.4MVAR CA	Electric Transmission	Cooley	-	461.66	43,391.36	33.06	43,886.08
492	A.0001283.003.001.001	LEA CO PLAINS COMM UPGRADE	Electric General	Cooley	-	2,284.80	232.67	23.33	2,540.80
493	A.0001285.001.001.002	U03 NEF-TARGA 115KV RECON	Electric Transmission	Cooley	-	(849.60)	1,881.23	31.76	1,063.39
494	A.0001300.009.001.002	Reterm 115KV Line Roswell City T24	Electric Transmission	Cooley	-	1,067.60	24,242.97	55.92	25,366.49
495	A.0001300.013.001.002	ROSWELL INTG 115KV BKR ONE HALF	Electric Transmission	Cooley	-	11,147.20	25,615.57	127.90	36,890.67
496	A.0001300.014.001.002	Wreckout Rebuild 115KV Line U13	Electric Transmission	Cooley	191.16	60,087.63	112,281.78	577.99	173,138.56
497	A.0001300.020.001.002	ROSWELL INTG NEW 115KV TERMINAL COM	Electric General	Cooley	-	2,987.45	11,014.97	61.93	14,064.35
498	A.0001300.022.001.003	RWCY - UPGRADE RELAYS T24 TERMINAL	Electric Transmission	Cooley	-	-	648.89	-	648.89
499	A.0001300.023.001.001	ROSWELL INTG SIERRA SUB U13 ROW	Electric Transmission	Cooley	-	3,801.30	29,388.22	38.02	33,227.54
500	A.0001300.025.001.001	Z09 RSWL - BSHR REBLD STR 2 TO 10	Electric Transmission	Cooley	-	-	12,098.06	-	12,098.06
501	A.0001310.001.001.002	J25 CARP TO FNSS 345KV OLD J07 RETE	Electric Transmission	Cooley	-	-	552.99	(163.80)	389.19
502	A.0001310.002.001.002	J26 HTLD TO CARP 345KV OLD J07 RETE	Electric Transmission	Cooley	-	80.49	1,322.83	(28.37)	1,374.95
503	A.0001310.003.001.003	STEVENS INST 345KV THREE POSITION R	Electric Transmission	Cooley	-	12,271.67	52,947.09	(270.76)	64,948.00
504	A.0001310.004.001.003	STEVENS COUNTY SUBSTATION	Electric Transmission	Cooley	-	6,664.40	15,202.07	69.86	21,936.33
505	A.0001310.008.001.002	STEVENS COUNTY COMM	Electric General	Cooley	-	2,253.10	7,463.37	26.83	9,743.30
506	A.0001310.012.001.002	Finney UPLC upgrade	Electric Transmission	Cooley	-	-	4,170.41	-	4,170.41
507	A.0001310.013.001.002	Hitchland UPLC upgrade	Electric Transmission	Cooley	-	-	3,788.54	25.09	3,813.63
508	A.0001312.003.001.002	CARDINAL REPL 115KV T85 JUMPERS	Electric Transmission	Cooley	-	-	2,962.72	-	2,962.72
509	A.0001312.004.001.002	U03 115KV TARGA CARDINAL RECONDUCTO	Electric Transmission	Cooley	-	103.28	44,898.57	4.66	45,006.51
510	A.0001319.005.001.002	W40 REBUILD PANDA TAP TO DEAF SMITH	Electric Transmission	Cooley	-	12,500.68	103,558.46	175.19	116,234.33
511	A.0001319.006.001.002	W40 REBUILD DAWN TO PANDA TAP	Electric Transmission	Cooley	-	32,072.20	56,545.42	400.08	89,017.70
512	A.0001319.007.001.002	W40 REBUILD CANYON WEST TO DAWN	Electric Transmission	Cooley	926.46	48,048.63	88,561.80	489.97	138,026.86
513	A.0001319.008.001.002	W40 Rebuild ROW	Electric Transmission	Cooley	-	-	204.98	-	204.98
514	A.0001319.009.001.002	INSTALL - CANYON WEST W40 115KV LIN	Electric Transmission	Cooley	-	-	21,067.86	-	21,067.86
515	A.0001319.010.001.001	DAWN RPLC 115KV DE DISC SWS 2908 29	Electric Transmission	Cooley	-	-	6,702.14	-	6,702.14
516	A.0001319.011.001.003	DEAF SMITH W40 UPGRADE	Electric Transmission	Cooley	-	-	6,205.71	-	6,205.71
517	A.0001319.012.001.001	K11 BUILD-DSTG RAISE STR 458 NON-REI	Electric Transmission	Cooley	-	-	567.95	-	567.95
518	A.0001326.001.001.002	YOAKUM RPLC 230115KV CKT 1 TRANSFOR	Electric Transmission	Cooley	-	16,168.42	11,345.24	190.29	27,703.95
519	A.0001343.001.001.001	TUCO - V14 LUBBOCK EAST 115KV LINE	Electric Transmission	Cooley	-	7,672.00	-	901.19	7,762.19
520	A.0001343.003.001.001	LUBBOCK EAST - V14 TUCO 115KV LINE	Electric Transmission	Cooley	-	7,092.93	87.20	7,180.13	7,180.13
521	A.0001351.003.001.001	CHAVES SUBSTATION COMM UPGRADE	Electric General	Cooley	-	-	215.22	-	215.22
522	A.0001353.001.001.001	ROOSEVELT - 230KV DOUBLE BUS EXPANS	Electric General	Cooley	-	-	1,087.22	-	1,087.22
523	A.0001359.001.001.001	CASTRO COUNTY NEW 115KV TERMINAL	Electric Transmission	Cooley	-	-	375.22	-	375.22
524	A.0001374.001.001.003	W52 STEP NEWHART TO KRESS ROW	Electric Transmission	Cooley	-	-	-	(73.50)	(73.50)
525	A.0001529.004.001.001	MADIC-E Rpl Sorheat and HRH	Electric Production	Lyal	-	-	50.17	-	50.17
526	A.0001529.024.001.002	MADIC-Rpl CS APH Basket&Seals	Electric Production	Lyal	-	10,196.15	35,299.85	101.97	45,597.97
527	A.0001529.032.001.002	MADIC-Rpl M1 Elevator	Electric Production	Lyal	-	27,483.53	39,783.88	5,116.71	72,384.12
528	A.0001529.036.001.002	MADIC-Rpl Turbine Oil Centriflu	Electric Production	Lyal	-	-	16,838.76	-	16,838.76

Southwestern Public Service Company

Affiliate Charge, July 1, 2017 through March 31, 2019
Separated by Cost Component
Total Affiliate Charges

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Total
529	A.0001529.038.001.001	MAD1C-Rpl Lab HACH Analyzers	Electric Production	Loyal	-	-	59.55	59.55
530	A.0001529.052.001.002	MAD0C-Tornado Shelter	Electric Production	Loyal	-	380.00	8,890.35	9,274.15
531	A.0001529.057.001.002	MAD1C-Rpl Air Prehr Exp Joint	Electric Production	Loyal	-	1,811.04	18,643.92	20,473.07
532	A.0001529.065.001.002	MAD1C-Rpl Lab Analyzers	Electric Production	Loyal	-	-	11,976.92	11,976.92
533	A.0001529.067.001.002	MAD1C-Rpl #1 HP FWH-20820	Electric Production	Loyal	-	32,367.82	47,877.35	80,568.85
534	A.0001529.080.001.002	MAD3C-Rpl Exhaust Slack	Electric Production	Loyal	-	8,317.99	21,373.59	29,774.77
535	A.0001529.500.001.004	MAD1C-Rpl Main Srm SealReg Vlv	Electric Production	Loyal	308.00	-	1,791.37	2,099.37
536	A.0001529.500.001.005	MAD2C-Rwrd DC Lube Oil Motor	Electric Production	Loyal	-	-	14,704.21	14,704.21
537	A.0001529.500.001.007	MAD0C-Rpl Main Pinnacle Gas Vlv	Electric Production	Loyal	-	-	2,511.43	2,511.43
538	A.0001529.500.001.009	MAD0C-Inst Ladder Swing Gates	Electric Production	Loyal	-	4,063.78	-	4,063.78
539	A.0001529.500.001.010	MAD1C-Rpl HRH Terminal Tubes	Electric Production	Loyal	-	16,547.90	9,025.96	25,739.34
540	A.0001529.501.001.004	MAD2C-Rpl Fuel Gmtr Vlv	Electric Production	Loyal	-	-	2,511.43	2,511.43
541	A.0001529.501.001.006	MAD2C-Rpl AC Units Elec Pkg	Electric Production	Loyal	-	-	924.09	924.09
542	A.0001534.086.001.001	PLX0C-Rpl CT Fill	Electric Production	Loyal	-	1,016.60	-	1,016.60
543	A.0001534.095.001.001	PLX0C-Rpl CT 4 Cell Mech PH1	Electric Production	Loyal	-	-	(633.76)	(633.76)
544	A.0001534.099.001.002	PLX4C-Rpl CT Fill & DE PH3	Electric Production	Loyal	-	53,042.55	16,915.41	71,883.14
545	A.0001534.100.001.002	PLX4C-Rpl CT Mech PH3	Electric Production	Loyal	-	-	8,661.08	8,661.08
546	A.0001534.157.001.002	PLX0C-Rpl 50T-5T Turb Crane-20816	Electric Production	Loyal	-	-	13,795.46	13,795.46
547	A.0001534.170.001.002	PLX0C-Rpl Relay & ComputRm Floors	Electric Production	Loyal	-	-	4,536.33	4,536.33
548	A.0001534.171.001.002	PLX0C-Rpl Roof Drains Header	Electric Production	Loyal	-	5,779.31	8,879.19	14,716.29
549	A.0001534.172.001.002	PLX0C-Rpl Lab Analyzers	Electric Production	Loyal	-	-	6,719.13	6,719.13
550	A.0001534.174.001.002	PLX1C-Rpl Boiler PH Analyzers	Electric Production	Loyal	-	-	4,477.74	4,477.74
551	A.0001534.178.001.002	PLX2C-Rpl Boiler pH Analyzers	Electric Production	Loyal	-	-	3,187.82	3,187.82
552	A.0001534.184.001.002	PLX3C-Rpl Feedwater Analyzers	Electric Production	Loyal	-	-	3,429.65	3,429.65
553	A.0001534.185.001.002	PLX3C-Condensate Suction Pipe	Electric Production	Loyal	-	12,469.15	3,406.91	16,000.75
554	A.0001534.190.001.002	PLX4C-Rpl Feedwater Analyzers	Electric Production	Loyal	-	-	4,198.32	4,198.32
555	A.0001534.500.001.007	PLX2C-Rpl Yarway DrumLvl Xmr	Electric Production	Loyal	-	-	9,935.04	9,935.04
556	A.0001534.500.001.012	PLX0C-Inst SwingGates&LadderProt	Electric Production	Loyal	-	3,486.42	-	3,486.42
557	A.0001545.031.001.002	CHC2C-Rpl BFP Fluid Drives	Electric Production	Loyal	3,044.35	11,420.39	14,197.17	28,776.12
558	A.0001545.035.001.002	CHC2C-Rpl BFP Discharge vlvs	Electric Production	Loyal	1,891.80	14,220.68	15,606.59	31,861.27
559	A.0001545.046.001.002	CHC0C-Retrub Plant Bathroom	Electric Production	Loyal	52.62	-	11,662.37	11,771.57
560	A.0001545.070.001.002	CHC3C-Vibration Upgrade	Electric Production	Loyal	10.00	-	29,122.29	29,122.29
561	A.0001545.073.001.002	CHC0C-Rpr Water Well 8	Electric Production	Loyal	-	919.36	-	919.36
562	A.0001545.073.001.003	CHC0C-Rpr Water Well 14	Electric Production	Loyal	-	1,586.73	-	1,586.73
563	A.0001545.073.001.004	CHC0C-Rpr Water Well 24	Electric Production	Loyal	-	1,451.24	-	1,451.24
564	A.0001545.083.001.003	CHC0C-Rpr Water Well 6	Electric Production	Loyal	-	4,659.59	7,857.54	12,563.72
565	A.0001545.119.001.001	CHC1C-E Rpl Xmr Relays	Electric Production	Loyal	-	-	2,024.15	2,024.15
566	A.0001545.122.001.002	CHC2C-Urg DCS Hardware	Electric Production	Loyal	-	-	57,304.10	57,304.10
567	A.0001545.253.001.002	CHC0C-Rpl WW Line 14-15	Electric Production	Loyal	775.35	15,251.82	19,386.42	35,776.89
568	A.0001545.254.001.002	CHC2C-Rpl Burner Tilts	Electric Production	Loyal	180.51	5,622.93	10,329.36	16,189.03
569	A.0001545.255.001.002	CHC2C-Rpl CT Suction Screens	Electric Production	Loyal	-	-	12,353.92	12,353.92
570	A.0001545.257.001.002	CHC0C-Rpl TUCO Roof-21291	Electric Production	Loyal	-	4,764.20	9,664.97	14,476.81
571	A.0001545.300.001.002	CHC0C-Rpl Lab Analyzers	Electric Production	Loyal	-	-	6,064.97	6,064.97
572	A.0001545.303.001.002	CHC1C-Rpl Lab Analyzers	Electric Production	Loyal	-	-	2,260.80	2,260.80
573	A.0001545.304.001.002	CHC2C-Inst Onln Vlb Mmr Sys	Electric Production	Loyal	-	20.12	17,637.44	17,657.76
574	A.0001545.305.001.002	CHC2C-Rpl Lab Analyzers	Electric Production	Loyal	-	-	3,715.81	3,715.81
575	A.0001545.308.001.002	CHC0C-Portable Vibration DAS	Electric Production	Loyal	-	-	584.78	584.78
576	A.0001545.500.001.005	CHC2C-Sprnt Sprav Bick Vlv	Electric Production	Loyal	-	5,626.00	5,759.31	11,441.57

Southwestern Public Service Company

Affiliate Charge, July 1, 2017 through March 31, 2019

Separated by Cost Component

Total Affiliate Charges

(A)		(B)		(C)		(D)	(E)		(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description		Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total		
577	A.0001545.500.001.007	CHC2C-Anodamine CF System		Electric Production	Loyal	-	-	1,066.44	-	1,066.44		
578	A.0001545.500.001.008	CHC0C-MaxiVolt Equipment		Electric Production	Loyal	-	6,558.62	2,761.55	65.58	9,385.75		
579	A.0001545.500.001.009	CHC2C-HRH Piping Abate&Reins		Electric Production	Loyal	132.43	41,188.25	31,292.27	411.88	73,024.83		
580	A.0001545.500.001.010	CHC2C-Rpl Firing Valve		Electric Production	Loyal	-	-	3,888.02	-	3,888.02		
581	A.0001545.500.001.011	CHC2C-Rpl Elevator Gearbox		Electric Production	Loyal	-	-	481.66	-	481.66		
582	A.0001545.500.001.013	CHC0C-inst Ladder Swing Gates		Electric Production	Loyal	-	3,284.88	-	32.85	3,317.73		
583	A.0001545.501.001.004	CHC3C-Rpl Battery Charger		Electric Production	Loyal	(1,357.27)	-	6,526.84	-	5,169.57		
584	A.0001545.501.001.005	CHC3C-Rpl GT Inlet Air Filters		Electric Production	Loyal	-	-	866.35	-	866.35		
585	A.0001545.501.001.006	CHC4C-Rpl GT Inlet Air Filters		Electric Production	Loyal	-	-	474.48	-	474.48		
586	A.0001545.501.001.008	CHC3C-Rpl Generator Prot Relays		Electric Production	Loyal	-	-	12,159.91	-	12,159.91		
587	A.0001545.501.001.009	CHC4C-Rpl Generator Prot Relays		Electric Production	Loyal	-	-	12,284.75	-	12,284.75		
588	A.0001550.006.001.002	HAR2C-H2 Install Ash Silo Elev		Electric Production	Loyal	11.66	2,493.57	58,344.84	24.94	60,875.01		
589	A.0001550.019.001.001	HAR2C-Rpl Turbine Cont Sys&Sof		Electric Production	Loyal	-	1,284.48	2,430.45	43.70	3,758.63		
590	A.0001550.021.001.002	HAR0C-Rpl Paving Phase 5/6		Electric Production	Loyal	-	1,1015.11	11,325.81	110.15	22,451.07		
591	A.0001550.028.001.002	HAR2C-Replace Cooling Tower Acid Ta		Electric Production	Loyal	-	2,704.16	19,778.96	27.04	22,510.16		
592	A.0001550.034.001.002	HAR0C-Rpl Paving Phase 6/6		Electric Production	Loyal	-	728.72	11,140.78	7.29	11,876.79		
593	A.0001550.035.001.002	HAR3C-Rpl Boiler Economizer		Electric Production	Loyal	-	5,079.63	81,520.19	50.79	86,650.61		
594	A.0001550.036.001.001	HAR1C-Rpl Turb Cont Sys&Soft		Electric Production	Loyal	-	-	(147.29)	-	(147.29)		
595	A.0001550.082.001.002	HAR3C-Rpl Drag Chain 2018		Electric Production	Loyal	-	-	3,224.22	-	3,224.22		
596	A.0001550.083.001.002	HAR3C-Rpl Lab Analyzers 2018		Electric Production	Loyal	733.10	-	4,670.44	-	5,403.54		
597	A.0001550.093.001.001	HAR2C-H2 Rpl Distribution Valv		Electric Production	Loyal	-	(4,162.40)	7,779.95	14.14	3,631.69		
598	A.0001550.097.001.002	HAR2C-H2 Rpl Drag Chain 2017		Electric Production	Loyal	-	-	11.46	-	11.46		
599	A.0001550.137.001.001	HAR2C-H2 Rpl Lab Analyzers 201		Electric Production	Loyal	-	-	596.61	-	596.61		
600	A.0001550.142.001.001	HAR1C-H1 Rpl CT Phase5		Electric Production	Loyal	-	9,816.55	16,420.68	67.43	26,304.66		
601	A.0001550.142.001.004	HAR1C-H1 Rpl CT Phase3		Electric Production	Loyal	-	-	5,60	-	5,60		
602	A.0001550.151.001.002	HAR3C-Rebag Partial 2018		Electric Production	Loyal	-	-	3,796.81	-	3,796.81		
603	A.0001550.185.001.001	HAR2C-H2 Rpl #3 HP FWH		Electric Production	Loyal	-	(380.00)	3,524.36	1.63	3,145.99		
604	A.0001550.190.001.001	HAR2C-H2 Mill B Major Major OH		Electric Production	Loyal	-	-	10,932.92	-	10,932.92		
605	A.0001550.194.001.002	HAR2C-Rpl H2 Mill E Exhauster		Electric Production	Loyal	-	-	19,379.11	-	19,379.11		
606	A.0001550.219.001.001	HAR2C-Replace APH Baskets		Electric Production	Loyal	-	-	4,464.87	-	4,464.87		
607	A.0001550.243.001.002	HAR0C-Rpl Control Sys Sim NEW		Electric Production	Loyal	-	-	18,585.80	-	18,585.80		
608	A.0001550.244.001.002	HAR0C-Rpl SBAC Controls		Electric Production	Loyal	284.15	-	43,894.99	-	44,179.14		
609	A.0001550.250.001.002	HAR1C-Rpl CT Mechanicals Ph2		Electric Production	Loyal	-	5,083.50	18,561.81	50.84	23,696.15		
610	A.0001550.258.001.002	HAR1C-Rpl SBAC 1B Vib Mon Sys		Electric Production	Loyal	-	-	12,061.94	-	12,061.94		
611	A.0001550.262.001.002	HAR1C-SBAC 1B Mjr Reblid 2017		Electric Production	Loyal	-	-	16,449.17	-	16,449.17		
612	A.0001550.269.001.001	HAR2C-Rpl Circ Pump Suction Ho		Electric Production	Loyal	-	-	776.53	-	776.53		
613	A.0001550.273.001.001	HAR2C-Rpl Inverter		Electric Production	Loyal	-	-	210.84	(0.00)	210.84		
614	A.0001550.275.001.001	HAR2C-Rpl SH Spray Valves		Electric Production	Loyal	-	-	1,389.76	-	1,389.76		
615	A.0001550.283.001.002	HAR3C-Rpl APH Baskets		Electric Production	Loyal	74.40	-	28,410.54	-	28,484.94		
616	A.0001550.294.001.001	HAR3C-Rpl Inverter		Electric Production	Loyal	-	-	(8.66)	-	(8.66)		
617	A.0001550.299.001.001	HAR3C-SBAC Joy Mjr Reblid 2016		Electric Production	Loyal	-	-	2,318.40	-	2,318.40		
618	A.0001550.308.001.001	HAR2C-H2 Upgrd DCS Opr sn		Electric Production	Loyal	-	-	962.81	(259.31)	703.50		
619	A.0001550.309.001.002	HAR3C-H3 Upgrd DCS Opr sn		Electric Production	Loyal	-	-	61,559.66	-	61,559.66		
620	A.0001550.342.001.001	HAR0C-E Rpl Inst Air Compr		Electric Production	Loyal	-	-	22.50	-	22.50		
621	A.0001550.442.001.002	HAR1C-ESP Re-build TR-sets Ph1		Electric Production	Loyal	-	-	6,191.53	-	6,191.53		
622	A.0001550.443.001.002	HAR1C-ESP Rebuild TR-sets PH2		Electric Production	Loyal	-	-	15,355.85	-	15,355.85		
623	A.0001550.446.001.002	HAR1C-CT Fan Stacks 20850		Electric Production	Loyal	-	3,786.35	30,210.53	332.86	34,329.74		
624	A.0001550.448.001.002	HAR1C-Rpl MBEP Recirc Vlv		Electric Production	Loyal	375.61	26.83	6,451.84	0.27	6,854.55		

Southwestern Public Service Company

Affiliate Charge, July 1, 2017 through March 31, 2019

Separated by Cost Component

Total Affiliate Charges

(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total
625	A.0001550.449.001.001	HAR2C-RPL Boiler Corner Tubes -2134	Electric Production	Loyal	-	(4,141.40)	649.93	14.91	(3,476.56)
626	A.0001550.450.001.002	HAR2C- Rpl CT Fan Stacks -21027	Electric Production	Loyal	-	-	25,691.13	-	25,691.13
627	A.0001550.452.001.001	HAR2C- Rpl Bghse Inlet Exp Jnts -20	Electric Production	Loyal	-	-	-	0.34	0.34
628	A.0001550.453.001.001	HAR2C- Rpl Bghse Doors -20587	Electric Production	Loyal	-	-	776.53	0.17	776.70
629	A.0001550.454.001.001	HAR2C-Rpl HRRH Piping & Hangers -205	Electric Production	Loyal	-	(380.00)	9,575.50	2.14	9,197.64
630	A.0001550.455.001.002	HAR3C- ACW Heat Exchangers	Electric Production	Loyal	-	1,950.39	23,909.68	19.50	25,879.57
631	A.0001550.458.001.002	HAR3C- Rpl Bghse Doors -20582	Electric Production	Loyal	-	380.00	31,837.05	198.13	32,415.18
632	A.0001550.460.001.002	HAR3C-Purchase PMI Analyzer	Electric General	Loyal	-	-	5,992.23	-	5,992.23
633	A.0001550.461.001.002	HAR3C-Inst Above Grade Fuel Tanks	Electric Production	Loyal	-	584.79	2,996.65	5.85	3,587.29
634	A.0001550.462.001.002	HAR3C-Remove UG Fuel Tanks	Electric Production	Loyal	4.10	3,144.12	10,762.74	(50,434.51)	(36,523.55)
635	A.0001550.473.001.002	HAR3C-Inst Online Vib Mntnr Sys	Electric Production	Loyal	1,375.91	-	29,460.13	-	30,836.04
636	A.0001550.475.001.002	HAR3C-Rpl CT Bottom Structure	Electric Production	Loyal	-	-	28,825.23	-	28,825.23
637	A.0001550.479.001.002	HAR3C-Rpl EHC Pump Sys	Electric Production	Loyal	-	-	16,519.88	-	16,519.88
638	A.0001550.481.001.002	HAR3C- Trng Cmr Fire Detection	Electric Production	Loyal	-	-	10,768.89	-	10,768.89
639	A.0001550.500.001.011	HAR3C-Rpl CT Cell #2 Mechanicals	Electric Production	Loyal	-	-	4,103.18	-	4,103.18
640	A.0001550.500.001.012	HAR1C-Rpl W #2 O2 Probe	Electric Production	Loyal	-	493.20	-	4.93	498.13
641	A.0001550.500.001.015	HAR1C-W Circ Pmp Wire Replaced	Electric Production	Loyal	-	-	3,784.52	-	3,784.52
642	A.0001550.500.001.016	HAR3C-Instalr Eye Wash Station	Electric Production	Loyal	-	6,597.60	2,241.24	65.98	8,904.82
643	A.0001550.500.001.017	HAR3C-CT N Circ Pump Mtr Rewind	Electric Production	Loyal	-	-	220.72	-	220.72
644	A.0001550.500.001.023	HAR1C-SUBPFP Motor Rewind	Electric Production	Loyal	-	-	1,929.06	-	1,929.06
645	A.0001550.500.001.025	HAR3C-Rpl Bghse Inlet Duct Exp Jnts	Electric Production	Loyal	-	2,814.88	11,235.70	28.15	14,078.73
646	A.0001550.500.001.029	HAR1C-Rpl #2 Corner Tilt Drives	Electric Production	Loyal	-	-	5,102.64	-	5,102.64
647	A.0001550.500.001.030	HAR3C-Rpl N CT Circ Pump cable	Electric Production	Loyal	-	-	7,270.76	-	7,270.76
648	A.0001550.500.001.031	HAR3C-Swing gates and ladder	Electric Production	Loyal	69.93	10,187.58	3,672.76	101.87	14,032.14
649	A.0001550.500.001.032	HAR2C-Inst CT Cable tray	Electric Production	Loyal	-	-	5,663.48	-	5,663.48
650	A.0001550.500.001.034	HAR3C-Inst Vlv on BD Recovery	Electric Production	Loyal	-	-	3,074.50	-	3,074.50
651	A.0001550.500.001.041	HAR3C-Rpl N Cond Bstr Pump Cable	Electric Production	Loyal	-	-	1,989.50	-	1,989.50
652	A.0001550.500.001.042	HAR1C-Rpl Dust Sprssn Pump Cable	Electric Production	Loyal	-	-	1,564.94	-	1,564.94
653	A.0001554.003.001.002	QUA2C-Rpl Emergency Diesel Generato	Electric Production	Loyal	-	-	21,231.89	573.23	21,805.12
654	A.0001554.501.001.002	QUA1C-Rpl Starting Diesel Rad	Electric Production	Loyal	-	1,736.44	4,666.50	17.37	6,420.31
655	A.0001555.021.001.001	TOL2C- Repl Cold APH Bskts	Electric Production	Loyal	-	-	696.27	-	696.27
656	A.0001555.030.001.001	TOL0C-TolkX Water Well Ph 7	Electric Production	Loyal	-	2,073.17	12,601.09	19.09	14,693.35
657	A.0001555.043.001.002	TOL1C-Rpl Bumer Assemblies	Electric Production	Loyal	-	4,083.70	33,572.81	40.85	37,697.36
658	A.0001555.088.001.002	TOL1C-Rpl Baghouse Bags 2018	Electric Production	Loyal	-	15,303.20	39,783.28	153.03	55,239.51
659	A.0001555.089.001.002	TOL2C-Rpl Baghouse Bags 2018	Electric Production	Loyal	-	26.83	21,488.63	0.27	21,515.73
660	A.0001555.090.001.002	TOL1C-Rpl Baghouse Bags 2017	Electric Production	Loyal	-	7,120.23	23,544.08	77.99	30,742.30
661	A.0001555.091.001.001	TOL2C-Rpl Baghouse Bags 2017	Electric Production	Loyal	-	-	4,328.47	28.97	4,357.44
662	A.0001555.093.001.002	TOL0C-Rpl RR Ties PH 4 of 5	Electric Production	Loyal	-	17,359.90	22,388.30	173.60	39,921.80
663	A.0001555.113.001.001	TOL0C-Rpl RR Ties PH 3 of 5	Electric Production	Loyal	-	27,704.10	31,315.30	329.21	59,348.61
664	A.0001555.120.001.002	TOL0C-Inst Perimet FencePonds	Electric Production	Loyal	-	28,036.30	21,211.62	280.36	49,528.28
665	A.0001555.219.001.002	TOL1C-Rpr MillB GearBx & Jml	Electric Production	Loyal	-	-	43,901.66	(0.00)	43,901.66
666	A.0001555.222.001.001	TOL2C-Rpl MillC GearBx & Journ	Electric Production	Loyal	-	-	7,193.28	-	7,193.28
667	A.0001555.223.001.002	TOL1C-Rpr MillC GearBx & Jmls	Electric Production	Loyal	-	380.00	16,668.99	3.80	17,052.79
668	A.0001555.226.001.002	TOL2C-Rpl Mill E GearBx & Jour	Electric Production	Loyal	-	5,337.10	11,558.66	53.38	16,949.14
669	A.0001555.232.001.001	TOL2C-Rpl W. HPBP Pump	Electric Production	Loyal	31.35	883.15	3,226.17	18.69	4,159.36
670	A.0001555.252.001.002	TOL0C-Rpl Receiving WH Roof	Electric Production	Loyal	-	1,995.00	9,522.02	19.95	11,536.97
671	A.0001555.254.001.002	TOL1C-Rpl SSC Chain 2018	Electric Production	Loyal	-	950.00	7,074.06	9.50	8,033.56
672	A.0001555.257.001.002	TOL1C-UpgDCSprStm&CntrlProc	Electric Production	Loyal	-	-	64,044.89	-	64,044.89

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Affiliate Charge, July 1, 2017 through March 31, 2019

Separated by Cost Component

Total Affiliate Charges

(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total
673	A.0001555.261.001.001	TOL2C-UpgDCSOPrSm& CntrlProc	Electric Production	Loyal	-	-	3,132.15	(38.54)	3,093.61
674	A.0001555.278.001.001	TOL0C-Drill HorizontalWW Loc Permit	Electric Production	Loyal	-	-	19,941.80	-	19,941.80
675	A.0001555.278.001.002	TOL0C-Drill HorizontalWW Construct	Electric Production	Loyal	34.48	28,764.81	68,975.11	339.88	98,114.28
676	A.0001555.292.001.001	TOL1C-E-TIFMill Rpl Main VerSft	Electric Production	Loyal	-	-	8,783.04	-	8,783.04
677	A.0001555.296.001.002	TOL2C-Rpl Main Pwr Transformer	Electric Production	Loyal	3,707.18	106,612.92	323,385.04	1,076.13	434,781.27
678	A.0001555.307.001.002	TOL2C-CEMS Upgrade 20745	Electric Production	Loyal	-	-	568.60	-	568.60
679	A.0001555.350.001.002	TOL0C-Rpl roof on line slaker bldg-	Electric Production	Loyal	-	-	776.53	-	776.53
680	A.0001555.351.001.002	TOL0C-Rpl control room bldg roof -2	Electric Production	Loyal	-	-	1,671.82	-	1,671.82
681	A.0001555.358.001.002	TOL1C-RPL Boiler Sump Line -20583	Electric Production	Loyal	-	998.70	30,721.46	9.98	31,721.14
682	A.0001555.363.001.002	TOL1C-Rpl rev gas expansion joints	Electric Production	Loyal	-	1,150.30	5,790.37	11.50	6,952.17
683	A.0001555.364.001.002	TOL1C-Rpl east rev gas fan damper	Electric Production	Loyal	-	419.90	7,174.50	4.20	7,598.60
684	A.0001555.366.001.002	TOL1C-#1 FWH Valves	Electric Production	Loyal	-	6,184.22	34,100.71	57.19	40,342.12
685	A.0001555.368.001.001	TOL2C-Rpl cntrl sig blades -20318	Electric Production	Loyal	-	2,027.24	2,027.24	-	2,027.24
686	A.0001555.369.001.001	TOL2C-Nozzleblock Modification-2041	Electric Production	Loyal	-	-	723.63	-	723.63
687	A.0001555.370.001.002	TOL2C-RPL Boiler Sump Line T2 -2058	Electric Production	Loyal	1,142.55	932.94	47,313.44	9.32	49,398.25
688	A.0001555.372.001.001	TOL2C-R12 Burners 2017 -20846	Electric Production	Loyal	-	-	276.76	-	276.76
689	A.0001555.376.001.001	TOL2C-Rpl lab sample system-21246	Electric Production	Loyal	-	-	1,297.62	-	1,297.62
690	A.0001555.500.001.006	TOL2C-Rewind C CircPmp Mir-22511	Electric Production	Loyal	-	-	-	7.50	7.50
691	A.0001555.500.001.009	TOL0C-S SBAC OVH 2017-22573	Electric Production	Loyal	-	-	8,099.28	-	8,099.28
692	A.0001555.500.001.010	TOL0C-Rpl Potable H2O Line	Electric Production	Loyal	40.60	518.32	16,044.08	5.59	16,608.59
693	A.0001555.500.001.012	TOL1C-Rpl MDBEP DischargeVlv	Electric Production	Loyal	-	9,245.43	9,909.67	92.45	19,247.55
694	A.0001555.500.001.013	TOL1C-Rpl Boiler Frt Elevator	Electric Production	Loyal	-	6.71	15,921.14	0.07	15,927.92
695	A.0001555.500.001.016	TOL1C-Rpl BlrDm E Center Sfty	Electric Production	Loyal	-	119.90	236.44	1.20	357.54
696	A.0001555.500.001.017	TOL1C-Rpl West Main Sim Sfty	Electric Production	Loyal	-	-	236.44	-	236.44
697	A.0001555.500.001.020	TOL1C-Rpl CT Partition Walls	Electric Production	Loyal	-	15,751.20	4,312.82	357.52	20,421.54
698	A.0001555.500.001.021	TOL0C-Rpl Reactor 1 Inlet Pipe	Electric Production	Loyal	-	-	399.38	-	399.38
699	A.0001555.500.001.022	TOL2C-Rewind Generator Rotor	Electric Production	Loyal	-	-	39,905.37	-	39,905.37
700	A.0001555.500.001.023	TOL1C-Rpl MillIF MainVrt Shaft	Electric Production	Loyal	-	52,234.90	52,935.05	605.96	105,775.91
701	A.0001555.500.001.024	TOL2C-Gen Stator Rewedge	Electric Production	Loyal	-	-	524.21	-	524.21
702	A.0001555.500.001.025	TOL2C-Inst RealTmXmr DisGasAnly	Electric Production	Loyal	-	1,965.96	3,571.90	19.66	5,557.52
703	A.0001555.500.001.026	TOL2C-Rpl Bull Ring Assembly	Electric Production	Loyal	-	-	134.64	-	134.64
704	A.0001555.500.001.027	TOL0C-Inst Rectifier RMU	Electric Production	Loyal	-	-	-	-	-
705	A.0001555.500.001.031	TOL0C-Inst SwingGates&LadderProt	Electric Production	Loyal	-	27,076.96	996.11	263.48	28,336.55
706	A.0001555.594.001.002	TOL1C-Int Online Vib Mntn Sys	Electric Production	Loyal	1,635.21	53.66	59,633.42	0.54	61,322.83
707	A.0001555.595.001.002	TOL1C-Cooling Tower Bypass	Electric Production	Loyal	367.28	12,678.55	7,180.99	126.79	20,353.61
708	A.0001555.596.001.002	TOL1C-Rpl Lab Sample System	Electric Production	Loyal	-	-	14,143.99	-	14,143.99
709	A.0001555.597.001.002	TOL1C-Rpl Coal Pipe & Elbows	Electric Production	Loyal	-	23,985.41	38,886.93	239.85	63,112.19
710	A.0001555.599.001.002	TOL2C-Inst Online Vib Mntn Sys	Electric Production	Loyal	-	53.66	26,940.30	0.54	26,994.50
711	A.0001560.010.001.001	NIC0C-Rpl Demineralizer	Electric Production	Loyal	-	-	10,973.68	0.83	10,974.51
712	A.0001560.012.001.002	NIC0C-Rpl 182 React Sump Pmps	Electric Production	Loyal	-	-	(27.44)	-	(27.44)
713	A.0001560.035.001.002	NIC2C-Rpl CT Acid Tank	Electric Production	Loyal	-	6,214.23	29,686.32	336.08	36,236.63
714	A.0001560.079.001.002	NIC3C-Rpl Lab Analyzers	Electric Production	Loyal	535.55	-	2,280.87	-	2,816.42
715	A.0001560.109.001.002	NIC1C-Rpl CT Suction Vault Roof	Electric Production	Loyal	-	7,907.20	34,432.26	79.08	42,418.54
716	A.0001560.115.001.002	NIC0C-Install Demin Wtr Supply	Electric Production	Loyal	-	46,311.51	20,741.54	463.13	67,516.18
717	A.0001560.116.001.002	NIC0C-Rpl Roof-Maint Shop	Electric Production	Loyal	-	1,425.00	10,498.96	14.25	11,938.21
718	A.0001560.117.001.002	NIC0C-Rpl Roof-Turb High	Electric Production	Loyal	-	1,520.00	12,929.85	15.20	14,465.05
719	A.0001560.118.001.002	NIC0C-Rpl Roof-Turb Low	Electric Production	Loyal	-	855.00	12,052.66	8.55	12,916.21
720	A.0001560.123.001.002	NIC3C-CT Mechanicals Phase 1	Electric Production	Loyal	148.84	5,593.80	11,513.46	55.94	17,312.04

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Affiliate Charge, July 1, 2017 through March 31, 2019

Separated by Cost Component

Total Affiliate Charges

(A)		(B)		(C)		(D)	(E)		(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description		Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total		
721	A.0001560.500.001.003	NIC1C-Rpl 1&2 N Bsmnt Sump Pumps		Electric Production	Loyal	-	(961.80)	743.14	3.27	(215.39)		
722	A.0001560.500.001.004	NIC2C-BFP Element Refurb		Electric Production	Loyal	-	-	2,318.23	-	2,318.23		
723	A.0001560.500.001.005	NIC2C-Rpl APH Drain Line		Electric Production	Loyal	-	5,017.38	3,229.23	677.25	8,923.86		
724	A.0001560.500.001.006	NIC3C-Rpl CT Cell 2 Mechanicals		Electric Production	Loyal	143.00	6,877.20	12,443.49	138.58	19,602.27		
725	A.0001560.500.001.007	NIC3C-Rpl Condensate Supply		Electric Production	Loyal	-	-	4,298.31	-	4,298.31		
726	A.0001560.500.001.008	NIC0C-Replace Aux Boiler		Electric Production	Loyal	-	12,559.48	37,960.32	125.60	50,645.40		
727	A.0001560.500.001.009	NIC1C-Rpl APH Hot Gas Exp Jns		Electric Production	Loyal	-	-	18,745.17	-	18,745.17		
728	A.0001560.500.001.011	NIC0C-Inst #6 Slaker RR Supply		Electric Production	Loyal	223.15	246.60	7,932.36	2.46	8,404.57		
729	A.0001560.500.001.012	NIC1C-Rpl CT Makeup Cntrl Vlv		Electric Production	Loyal	-	-	7,306.79	-	7,306.79		
730	A.0001560.500.001.014	NIC2C-Rpl Boiler Sump Pipe		Electric Production	Loyal	-	26.83	5,063.77	0.27	5,090.87		
731	A.0001560.500.001.017	NIC3C-Rpl Reverse Power Relays RPl-		Electric Production	Loyal	-	33.54	6,916.24	0.34	6,950.12		
732	A.0001560.500.001.019	NIC0C-Rpl Aux Boiler Feed Pump		Electric Production	Loyal	239.58	-	5,229.44	-	5,469.02		
733	A.0001560.500.001.021	NIC0C-Swing gates and ladders		Electric Production	Loyal	-	-	9,575.61	95.75	9,671.36		
734	A.0001560.500.001.022	NIC0C-Rpl Demin Sump Drain Line		Electric Production	Loyal	-	7,950.08	3,137.84	79.50	11,167.42		
735	A.0001586.008.001.001	JON1C-Ujg Foxboro FBMs		Electric Production	Loyal	-	1,437.21	67,717.05	14.37	69,168.63		
736	A.0001586.014.001.001	JON2C-E Rpl Mech Draft 3&8		Electric Production	Loyal	-	26.83	-	0.27	27.10		
737	A.0001586.049.001.001	JON1C-Rpl Cold Side APH Basket		Electric Production	Loyal	-	7,803.30	39,916.71	77.76	47,797.77		
738	A.0001586.055.001.002	JON1C-Abate & Reinsulate DA		Electric Production	Loyal	-	-	12,393.91	-	12,393.91		
739	A.0001586.072.001.004	JON2C-Rpl Gas Firing Valve		Electric Production	Loyal	-	-	8,895.73	-	8,895.73		
740	A.0001586.073.001.002	JON0C-Inst Backflow Prvt on HT		Electric Production	Loyal	285.00	13.42	18,691.78	0.13	18,990.33		
741	A.0001586.081.001.001	JON1C-Rpl Seamed HRH Piping		Electric Production	Loyal	1,027.80	24,423.25	69,040.13	798.82	95,290.00		
742	A.0001586.103.001.002	JON0C-Pur 1st pass RO Membra		Electric Production	Loyal	-	-	6,909.07	-	6,909.07		
743	A.0001586.129.001.002	JON1C-Rpl Rosemount 1151 XMTRS		Electric Production	Loyal	-	109,464.90	39,973.06	1,252.56	150,690.52		
744	A.0001586.133.001.002	JON0C-Rpl HACH 5000 Analyzers		Electric Production	Loyal	-	-	6,559.44	-	6,559.44		
745	A.0001586.134.001.002	JON2C-Rpl HACH 5000 Analyzers		Electric Production	Loyal	-	-	6,934.93	-	6,934.93		
746	A.0001586.135.001.002	JON1C-Rpl HACH 5000 Analyzers		Electric Production	Loyal	-	-	5,995.83	-	5,995.83		
747	A.0001586.138.001.001	JON2C-Rpl IPs with DVC		Electric Production	Loyal	-	1,007.77	1,526.31	11.36	2,545.44		
748	A.0001586.141.001.002	JON1C-Rpl IPs with DVC		Electric Production	Loyal	-	15,699.15	11,664.31	163.07	27,526.53		
749	A.0001586.142.001.002	JON1C-Rpl Oil Circ Brkr JK0		Electric Production	Loyal	499.02	6,320.02	93,106.55	119.21	100,044.80		
750	A.0001586.156.001.002	JON1C-CT Rblld Cells 4-9		Electric Production	Loyal	-	-	855.49	5.25	860.74		
751	A.0001586.253.001.002	JON1C-BP Elem Comp Rpl		Electric Production	Loyal	-	6,838.22	29,943.95	65.63	36,847.80		
752	A.0001586.259.001.002	JON2C-CT Sec pH Probe		Electric Production	Loyal	-	20.12	12,869.43	0.20	12,889.75		
753	A.0001586.260.001.002	JON1C-CT Sec pH Probe		Electric Production	Loyal	-	20.12	12,019.71	0.20	12,040.03		
754	A.0001586.261.001.002	JON1C-Replace CPls-19974		Electric Production	Loyal	-	-	16,886.26	-	16,886.26		
755	A.0001586.262.001.002	JON1C-Circ Water Struct Liner-19992		Electric Production	Loyal	939.49	61,061.07	131,709.80	620.70	194,331.06		
756	A.0001586.264.001.002	JON1C-CEM's Upgrade 19976		Electric Production	Loyal	6,070.03	-	34,012.80	-	40,082.83		
757	A.0001586.265.001.002	JON2C-CEM's Upgrade-19975		Electric Production	Loyal	6,973.06	-	44,448.50	-	51,421.56		
758	A.0001586.283.001.002	JON1C-Rpl CT Bypass Vlv		Electric Production	Loyal	-	868.42	5,756.73	9.61	6,634.76		
759	A.0001586.285.001.002	JON2C-Rpl Circ Pump Suc Hood		Electric Production	Loyal	-	8,202.40	6,879.00	82.02	15,163.42		
760	A.0001586.287.001.002	JON2C-Rpl CT Makeup Piping		Electric Production	Loyal	-	2,533.20	5,074.47	7.63	7,633.00		
761	A.0001586.291.001.002	JON3C-Rpl Exh Expansion Joint		Electric Production	Loyal	-	14,504.68	13,777.16	145.05	28,426.89		
762	A.0001586.294.001.002	JON4C-Rpl Exh Expansion Joint		Electric Production	Loyal	-	999.20	22,439.02	9.99	23,448.21		
763	A.0001586.295.001.002	JON0C-Portable Vibration DAS		Electric Production	Loyal	-	-	786.45	-	786.45		
764	A.0001586.500.001.006	JON2C-Rpl Economizer Exp Jns		Electric Production	Loyal	309.00	1,647.00	14,200.51	16.47	16,172.98		
765	A.0001586.500.001.007	JON0C-Fire System Iso Vlv's		Electric Production	Loyal	-	-	236.44	-	236.44		
766	A.0001586.500.001.010	JON0C-Instal Rectifier RMU		Electric Production	Loyal	(25.18)	-	1,022.58	(233.77)	763.63		
767	A.0001586.500.001.011	JON0C-Smart Pig Test		Electric Production	Loyal	-	-	25,608.71	-	25,608.71		
768	A.0001586.500.001.012	JON1C-Rpl HP FWH #1 & #2		Electric Production	Loyal	-	-	1,301.07	-	1,301.07		

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Affiliate Charge, July 1, 2017 through March 31, 2019

Separated by Cost Component

Total Affiliate Charges

(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total
769	A.0001586.500.001.013	JON2C-Rpl HP FW#2	Electric Production	Lyal	-	-	1,301.07	-	1,301.07
770	A.0001586.500.001.016	JON0C-Inst Ladder Swing Gates	Electric Production	Lyal	-	2,327.64	-	23.28	2,350.92
771	A.0001639.001.001.002	CHC3C-Major-Upg all hot path	Electric Production	Lyal	-	-	-	5.69	5.69
772	A.0002033.001.001.001	PORTALES - 115KV BUS REBUILD TO BHB	Electric General	Cooley	-	-	539.74	-	539.74
773	A.0002033.002.001.001	GREYHOUND - NEW 115-12.47KV SUB LIN	Electric Transmission	Cooley	-	19,170.00	1,221.91	212.12	20,604.03
774	A.0002035.001.001.001	WOLFORTH REPLACE 115KV SWITCHES 79	Electric Transmission	Cooley	-	2,366.40	-	24.15	2,390.55
775	A.0002038.001.001.002	NORTON-115KV TERMINAL ADDITION FOR	Electric Transmission	Cooley	-	-	61.87	-	61.87
776	A.0002038.002.001.001	NORTON REPLACE RTU-COMM	Electric General	Cooley	-	1,860.06	-	30.92	1,890.98
777	A.0002049.001.001.002	POTASH ? ADD KIOWA 115KV TERMINAL	Electric Transmission	Cooley	-	5,566.27	25,098.06	27.04	30,691.37
778	A.0002049.002.001.002	U10 PTU KIOWA 115KV RETERMINATION	Electric Transmission	Cooley	-	60.75	878.93	37.62	977.30
779	A.0003000.429.001.002	JON0C-Rpl Milling Machine	Electric General	Lyal	-	-	591.28	-	591.28
780	A.0003000.689.001.001	GMS0C-TX Lab Instruments	Electric General	Lyal	-	11.16	957.47	-	968.63
781	A.0005500.007.001.001	TXOH Extension-TX-186-NOTX	Electric Distribution	Meeks	-	-	1,114.66	71.27	1,185.93
782	A.0005500.007.001.002	TXOH Extension-TX-187-SOTX	Electric Distribution	Meeks	-	-	1,101.13	19.18	1,120.31
783	A.0005500.009.001.001	NMOH Extension-NM-111-NEWM	Electric Distribution	Meeks	-	-	44.88	1,818.95	1,863.83
784	A.0005500.024.001.006	MULESHOE / 899 FT NE FROM APPLE ST	Electric Distribution	Meeks	-	-	-	0.07	0.07
785	A.0005500.046.001.002	DUMAS/ 1107 CARBON BLACK RD/ NEW SE	Electric Distribution	Meeks	-	-	-	0.19	0.19
786	A.0005500.050.001.002	LOVING / 1001 BOUNDS RD / SENDERO G	Electric Distribution	Meeks	-	-	-	11.63	11.63
787	A.0005500.050.001.003	LOVING/1001 BOUNDS RD/1PH-3PH EXT/P	Electric Distribution	Meeks	-	-	-	0.02	0.02
788	A.0005500.070.001.001	Pearl-Lea Rd Sub Tie	Electric Distribution	Meeks	-	-	-	97.09	97.09
789	A.0005501.010.001.001	NMUG Extension-NM-111-NEWM	Electric Distribution	Meeks	-	-	242.15	19.34	261.49
790	A.0005501.011.001.001	TXUG Extension-TX-186-NOTX	Electric Distribution	Meeks	-	-	126.87	1,282.77	1,409.64
791	A.0005501.011.001.002	TXUG Extension-TX-187-SOTX	Electric Distribution	Meeks	-	-	-	0.40	0.40
792	A.0005501.112.001.002	CARLSBAD/S36,T255, R266/2-IMI EXT-C	Electric Distribution	Meeks	-	-	-	0.91	0.91
793	A.0005501.116.001.002	AMARILLO/TIMES SQUARE VILLAGE 1/BAC	Electric Distribution	Meeks	-	-	-	(94.51)	(94.51)
794	A.0005502.008.001.001	NMOH Reinforcements-NM-111-NEWM	Electric Distribution	Meeks	-	-	-	436.95	436.95
795	A.0005502.009.001.001	TXOH Reinforcements-TX-186-NOTX	Electric Distribution	Meeks	-	-	-	27.65	27.65
796	A.0005502.009.001.002	TXOH Reinforcements-TX-187-SOTX	Electric Distribution	Meeks	-	-	-	0.57	0.57
797	A.0005502.258.001.001	Install Sage Brush #1 Feeders	Electric Distribution	Meeks	-	-	-	1.05	1.05
798	A.0005503.008.001.001	TXUG Reinforcements-TX-186-TXNO	Electric Distribution	Meeks	-	-	-	2.05	2.05
799	A.0005504.007.001.001	NMOH Services-NM-111-NEWM	Electric Distribution	Meeks	-	-	16.64	94.97	111.61
800	A.0005504.008.001.001	TXOH Services-TX-186-NOTX	Electric Distribution	Meeks	-	-	111.28	107.88	219.16
801	A.0005504.008.001.002	TXOH Services-TX-187-SOTX	Electric Distribution	Meeks	-	-	269.10	1.14	270.24
802	A.0005504.010.001.002	Elec Svc-OH-Carlsbad Dist	Electric Distribution	Meeks	-	-	-	0.13	0.13
803	A.0005504.010.001.004	Elec Svc-OH-Clovis Dist	Electric Distribution	Meeks	-	-	-	0.06	0.06
804	A.0005505.007.001.001	NMUG Services-NM-111-NEWM	Electric Distribution	Meeks	-	-	-	23.40	23.40
805	A.0005505.008.001.001	TXUG Services-TX-186-NOTX	Electric Distribution	Meeks	-	-	280.22	318.27	598.49
806	A.0005505.011.001.002	Elec Svc-UG-Hobbs Dist	Electric Distribution	Meeks	-	-	-	6.88	6.88
807	A.0005505.011.001.004	Elec Svc-UG-Carlsbad Dist	Electric Distribution	Meeks	-	-	-	0.13	0.13
808	A.0005506.008.001.001	NMOH Street Lights-NM-111-NEWM	Electric Distribution	Meeks	-	-	-	78.19	78.19
809	A.0005506.009.001.001	TXOH Street Lights-TX-186-NOTX	Electric Distribution	Meeks	-	-	38.57	19.52	58.09
810	A.0005506.009.001.002	TXOH Street Lights-TX-187-SOTX	Electric Distribution	Meeks	-	-	-	2.26	2.26
811	A.0005507.006.001.001	NMUG Street Lights-NM-111-NEWM	Electric Distribution	Meeks	-	-	-	0.26	0.26
812	A.0005507.007.001.001	TXUG Street Lights-TX-186-NOTX	Electric Distribution	Meeks	-	-	-	2.45	2.45
813	A.0005508.007.001.001	NMOH Rebuilds-NM-111-NEWM	Electric Distribution	Meeks	-	-	852.66	907.28	1,759.94
814	A.0005508.007.001.003	NM Replace/Reinforce Non-Compliant	Electric Distribution	Meeks	-	-	145.76	942.09	1,087.85
815	A.0005508.008.001.002	TXOH Rebuilds-TX-186-NOTX	Electric Distribution	Meeks	-	-	635.78	745.95	1,381.73
816	A.0005508.008.001.003	TXOH Rebuilds-TX-187-SOTX	Electric Distribution	Meeks	-	-	-	2.57	2.57

Southwestern Public Service Company

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(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total
817	Inspect/Replace Poles, Texas	Electric Distribution	Meeks	-	-	10,879.18	85.11	10,964.29
818	16 WHITE DEER -REPLACE ARRESTER-CUT	Electric Distribution	Meeks	-	-	-	4.80	4.80
819	IAL / NORTHWEST OF W OCHO RD AND N	Electric Distribution	Meeks	-	-	-	0.32	0.32
820	AMARILLO 2ND-W 5TH AVE, FAIRMONT-M	Electric Distribution	Meeks	-	-	-	0.07	0.07
821	AMARILLO 153.001.006	Electric Distribution	Meeks	-	-	-	2.34	2.34
822	AMARILLO/NW 5TH-W 2ND, TENNESSEE-CA	Electric Distribution	Meeks	-	-	-	0.18	0.18
823	Convert Town of Booker to 34.5	Electric Distribution	Meeks	-	-	-	288.35	288.35
824	Rebuild Plainview City 69/24KV	Electric Distribution	Meeks	-	-	-	907.77	907.77
825	NMUG ConvsrnsRebuid-NM-111-NEWWM	Electric Distribution	Meeks	-	-	-	1.37	1.37
826	TXUG ConvsrnsRebuid-TX-186-NOTX	Electric Distribution	Meeks	-	-	-	28.13	28.13
827	NMOH Relocations-NM-111-NEWWM	Electric Distribution	Meeks	-	-	-	73.82	73.82
828	TXOH Relocations-TX-186-NOTX	Electric Distribution	Meeks	-	-	13,696.11	388.80	13,769.93
829	TXUG Relocations-TX-186-NOTX	Electric Distribution	Meeks	-	-	-	0.35	0.35
830	NM-Elec Easement	Electric Distribution	Meeks	-	-	-	1.45	1.45
831	TNN-Elec Easement	Electric Distribution	Meeks	-	-	-	1.72	1.72
832	TXS-Elec Easement	Electric Distribution	Meeks	-	-	-	1.16	1.16
833	PURCHASE LAND @ SIERRA SUB	Electric Distribution	Meeks	-	-	3,733.93	-	3,733.93
834	PURCHASE LAND @ OUTPOST SUB	Electric Distribution	Meeks	-	-	767.06	-	767.06
835	PURCHASE LAND @ PRINGLE SUBS	Electric Distribution	Meeks	-	-	137.64	-	137.64
836	PURCHASE LAND @ HILL SIDE SUB	Electric Distribution	Meeks	-	-	938.72	185.76	1,124.48
837	Purchase Land @ Amot Subs	Electric Distribution	Meeks	-	-	7,146.44	-	7,146.44
838	Reliability Monitoring System Bldg	Electric Distribution	Meeks	-	-	-	9.12	9.12
839	Sps-Poor Perf Fdr Replace Blkt	Electric Distribution	Meeks	-	-	-	0.54	0.54
840	Nm-Worst Performing Feeders	Electric Distribution	Meeks	-	-	-	0.09	0.09
841	PLAINVIEW WEST: RPL MO, GOAB, GND S	Electric Distribution	Meeks	-	-	216.53	-	216.53
842	PLAINVIEW WEST: RPL BKRS P110, P120	Electric Distribution	Meeks	-	-	-	2.74	2.74
843	CAMEX - RPL 8.4MVA, 67.416KV XFMR	Electric Distribution	Meeks	-	-	25.00	(117.64)	(92.64)
844	PUCKET WEST REPLACE CIRCUIT SWITCH	Electric Distribution	Meeks	-	-	-	0.35	0.35
845	SPEARMAN CITY RPL REGULATORS	Electric Distribution	Meeks	-	-	19.16	-	19.16
846	NORTH DUMAS NSTALL NEW 3424 XFMR AN	Electric Distribution	Meeks	-	-	946.76	-	946.76
847	LAWRENCE PARK REPLACE TNF BACKUP AN	Electric Distribution	Meeks	-	-	832.90	-	832.90
848	PARMER CO REPLACE OCB 2475	Electric Distribution	Meeks	-	-	2,843.53	-	2,843.53
849	RUSSELL POOL RPL TRF BUSHINGS	Electric Distribution	Meeks	-	-	19.16	-	19.16
850	KINGSMILL - REPLACE BREAKER 5105	Electric Distribution	Meeks	-	-	44.10	-	44.10
851	BOWERS RPL DIST METERING	Electric Distribution	Meeks	-	24.30	1,884.94	0.24	1,909.48
852	FAIN - RPL XFMR	Electric Distribution	Meeks	-	-	3,237.58	-	3,237.58
853	Bowers Replace Transformer	Electric Distribution	Meeks	-	1,980.00	3,800.51	19.80	5,800.31
854	Kite Replace Breakers	Electric Distribution	Meeks	-	-	12,376.46	-	12,376.46
855	RALLS RPL STATION METER	Electric Distribution	Meeks	-	-	20.18	-	20.18
856	SFE-VAN BUREN - RPL T2 METER - 13 2	Electric Distribution	Meeks	-	5,112.00	-	51.12	5,163.12
857	SFE-Hendricks- RPL Regulator R1W	Electric Distribution	Meeks	-	-	90.35	-	90.35
858	SFE-Kingsmill RPL Breaker 5110	Electric Distribution	Meeks	-	-	619.46	-	619.46
859	SFE-Whitaker Replace XFMR Meters	Electric Distribution	Meeks	-	-	790.12	-	790.12
860	NORTH HOBBS REPLACE T2	Electric Distribution	Meeks	-	-	1,326.11	(101.25)	1,224.86
861	CAPITAL SPARE 118132KV 28MVA W LTC	Electric Distribution	Meeks	-	-	2,547.28	-	2,547.28
862	COULTER REPLACE BKR 5285 5290 ELR	Electric Distribution	Meeks	-	-	21.90	-	21.90
863	CANYON WEST REPLACE DIST BKRS	Electric Distribution	Meeks	-	-	1,282.49	-	1,282.49
864	FRITCH SUB RPL BKR 1360 1364 ELR	Electric Distribution	Meeks	-	-	4,342.57	-	4,342.57

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Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total
865	A.0005521.085.001.023	HASTINGS - ELR 3 DIST BKRS	Electric Distribution	Meeks	-	-	6,818.33	-	6,818.33
866	A.0005521.085.001.026	SFE-DENVER CITY E- RPL BKRS S100 S1	Electric Distribution	Meeks	-	-	385.30	-	385.30
867	A.0005521.086.001.004	DOSS VCB 6660 RPL RELAYS	Electric Distribution	Meeks	-	-	608.58	-	608.58
868	A.0005521.086.001.006	SFE-LEVELLAND EAST RPL BKR LV 960	Electric Distribution	Meeks	-	-	38.53	-	38.53
869	A.0005521.086.001.007	SFE-PLAINVIEW SOUTH RPL BKR P220	Electric Distribution	Meeks	-	324.00	154.95	3.24	482.19
870	A.0005521.150.001.001	HEREFORD INTERCHANGE-NEW 115-12.47K	Electric Distribution	Meeks	-	-	-	51.29	51.29
871	A.0005521.188.001.001	CAPITALIZED SPARE 115-12KV 28MVA XF	Electric Distribution	Meeks	-	-	244.78	-	244.78
872	A.0005521.192.001.001	CAPITALIZED SPARE 115-12KV 28MVA XF	Electric Distribution	Meeks	-	-	67.86	-	67.86
873	A.0005521.200.001.033	CAMPBELL RPL XFMR METERING	Electric Distribution	Meeks	-	-	150.15	150.15	150.15
874	A.0005521.200.001.038	CAMPBELL STREET RPL XFMR BACKUP	Electric Distribution	Meeks	-	-	2,650.96	-	2,650.96
875	A.0005521.200.001.042	BUCKEYE SUB RPL TRF T1	Electric Distribution	Meeks	-	-	-	7.61	7.61
876	A.0005521.200.001.048	Mallamar 1 Smart Ground Meter Test	Electric Distribution	Meeks	-	-	931.65	-	931.65
877	A.0005521.200.001.057	Ochoa Grounding Repair	Electric Distribution	Meeks	-	-	57.62	-	57.62
878	A.0005521.200.001.062	Mallamar 2 Grounding Addition	Electric Distribution	Meeks	-	-	1,640.50	-	1,640.50
879	A.0005521.200.001.064	SFE-N CANAL - RPL BKR 4190	Electric Distribution	Meeks	-	-	58.22	-	58.22
880	A.0005521.200.001.071	SFE-NAVAJO MALAGA- RPL FUSE MOUNTIN	Electric Distribution	Meeks	-	-	409.45	-	409.45
881	A.0005521.200.001.078	SFE - Urtion RPL LTC Main Backup Ct	Electric Distribution	Meeks	-	-	54.44	-	54.44
882	A.0005521.200.001.084	SFE - CLOVIS WEST-RPL BAT CHARGER	Electric Distribution	Meeks	-	1,296.00	-	12.96	1,308.96
883	A.0005521.202.001.004	WEST BENDER RPL RECLCSNG RL YS	Electric Distribution	Meeks	-	576.00	-	5.76	581.76
884	A.0005522.006.001.003	SFE-N CANAL- RPL BKRS 4180 4195	Electric Distribution	Meeks	-	-	420.78	-	420.78
885	A.0005522.007.001.002	WOOD DRAW NEW 115KV RING DCP	Electric Distribution	Meeks	-	-	-	(122.56)	(122.56)
886	A.0005522.015.001.002	Outpost DCP	Electric Distribution	Meeks	-	297.70	30,569.69	207.98	31,075.37
887	A.0005522.073.001.002	PRICE-REPLACE 69KV XFMR WITH 115KV	Electric Distribution	Meeks	-	-	4,633.94	16.41	4,650.35
888	A.0005522.130.001.001	SONCY - DISTRIBUTION TRANSFORMER CO	Electric Distribution	Meeks	-	4,120.57	67,414.64	(92.80)	71,442.41
889	A.0005522.183.001.003	PORTALES SO- CONVERT 69KV TO 115KV	Electric Distribution	Meeks	-	4,627.03	6,902.83	125.13	11,654.99
890	A.0005522.184.001.002	GREYHOUND - NEW 115-12.47KV 28MVA T	Electric Distribution	Meeks	-	-	6,999.47	642.77	7,642.24
891	A.0005522.211.001.002	CURRY COUNTY CONVERT 69KV XFMR TO 1	Electric Distribution	Meeks	-	567.19	15,740.04	70.22	16,377.45
892	A.0005522.218.001.002	LIVINGSTON RIDGE CONV 69KV TO 115KV	Electric Distribution	Meeks	-	-	10,521.88	4.13	10,526.01
893	A.0005522.258.001.002	SKUNK CREEK NEW DIST SUB DCP	Electric Distribution	Meeks	-	5,061.72	37,399.61	(13.48)	42,447.85
894	A.0005522.259.001.001	LA PLATA - 115/13KV XFMR LOW SIDE-D	Electric Distribution	Meeks	-	-	2,356.08	749.29	3,105.37
895	A.0005522.260.001.002	PRINGLE OIL REPL 105MVA XFMR WITH 2	Electric Distribution	Meeks	-	-	3,114.22	(216.06)	2,898.16
896	A.0005522.263.001.002	BENSING - 115-12.47KV DCP	Electric Distribution	Meeks	-	-	-	(118.11)	(118.11)
897	A.0005522.356.001.001	SAGE BRUSH - NEW 115KV SUBSTATION D	Electric Distribution	Meeks	-	-	33.21	5.56	38.77
898	A.0005522.357.001.001	PONDEROSA - NEW 115-23KV SUB DCP	Electric Distribution	Meeks	-	42.53	4,925.47	(3,618.05)	1,349.95
899	A.0005522.370.001.002	SIERRA NEW 115KV 1247KV SUB DAM	Electric Distribution	Meeks	-	36.45	42,733.58	31.99	42,802.02
900	A.0005549.009.001.004	LA PLATA COMM	Electric General	Meeks	-	-	-	10.40	10.40
901	A.0005549.009.001.018	SONCY - RTU REPLACEMENT	Electric General	Meeks	-	-	-	(11.95)	(11.95)
902	A.0005549.009.001.030	SPEARMAN-INSTALL DG TRANSFER TRIP -	Electric General	Meeks	-	-	19.95	0.06	20.01
903	A.0005549.009.001.032	PRINGLE OIL DIST SUB COMM EQUIP	Electric General	Meeks	-	-	116.07	(61.40)	54.67
904	A.0005549.009.001.048	COBLE TOLLGRADE SENSOR INSTALLATION	Electric General	Meeks	-	-	247.48	-	247.48
905	A.0005549.009.001.049	CANYON WEST W40 TERM UPRD COMM	Electric General	Meeks	-	-	1,476.72	-	1,476.72
906	A.0005549.009.001.050	SKUNK CREEK NEW DIST SUB COMM	Electric General	Meeks	-	-	381.01	-	381.01
907	A.0005549.009.001.051	BUFFALO RTU INSTALLATION COMM	Electric General	Meeks	-	-	6,569.00	-	6,569.00
908	A.0005549.009.001.071	ALLMON TOLLGRADE SENSOR INSTALLATIO	Electric General	Meeks	-	-	154.67	-	154.67
909	A.0005549.009.001.080	DAMRON TOLLGRADE SENSOR INSTALL	Electric General	Meeks	-	-	-	20.65	20.65
910	A.0005549.009.001.106	MCLEAN RURAL TOLLGRADE SENSOR INSTA	Electric General	Meeks	-	-	-	20.65	20.65
911	A.0005549.009.001.107	CANADIAN TOLLGRADE SENSOR INSTALL	Electric General	Meeks	-	-	-	82.62	82.62
912	A.0005549.009.001.108	Dawn Sub Communications	Electric General	Meeks	-	-	5,457.80	-	5,457.80

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(A)		(B)		(C)		(D)		(E)		(F)		(G)		(H)		(I)	
Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total								
913	A.0005549.010.001.001	PONDEROSA - NEW 115-23KV SUB COMM	Electric General	Meeks	-	-	-	(0.70)	(0.70)								
914	A.0005549.010.001.005	GREYHOUND NEW 115-12.47KV SUBSTATIO	Electric General	Meeks	-	-	1,060.13	-	1,060.13								
915	A.0005549.010.001.014	CANNON AFB RTU ADDITION-COMM	Electric General	Meeks	-	-	-	0.39	0.39								
916	A.0005549.010.001.018	BENSING - DISTRIBUTION SUBSTATION C	Electric General	Meeks	-	-	35.37	41.51	76.88								
917	A.0005549.010.001.020	PORTALES SO 69KV TO 115KV REBUILD C	Electric General	Meeks	-	-	-	5.76	5.76								
918	A.0005549.010.001.021	WOOD DRAW COMM EQUIP 115KV RING BUS	Electric General	Meeks	-	-	-	(17.47)	(17.47)								
919	A.0005549.010.001.027	ROSWELL CITY SUB COMM	Electric General	Meeks	-	-	2,099.38	-	2,099.38								
920	A.0005549.010.001.028	SIERRA NEW 115 1247KV SUB DCP COMM	Electric General	Meeks	-	-	9,073.40	-	9,073.40								
921	A.0005549.010.001.040	PRICE COMMUNICATIONS	Electric General	Meeks	-	-	159.00	(62.63)	96.37								
922	A.0005549.010.001.042	PORTALES #2 TOLLGRADE SENSOR INSTALL	Electric General	Meeks	-	-	-	0.13	0.13								
923	A.0005549.010.001.044	WHITE CITY TOLLGRADE SENSOR INSTALL	Electric General	Meeks	-	-	-	0.06	0.06								
924	A.0005549.010.001.049	DOLLARHIDE TOLLGRADE SENSOR INSTALL	Electric General	Meeks	-	-	-	0.13	0.13								
925	A.0005549.010.001.051	TEAGUE TOLLGRADE SENSOR INSTALL	Electric General	Meeks	-	-	-	0.13	0.13								
926	A.0005549.034.001.007	DALHART - FRAME RELAY CIRCUIT REPLA	Electric General	Meeks	-	-	-	2.58	2.58								
927	A.0005549.038.001.001	TX-Elec Dist Communication Equ	Electric General	Meeks	-	-	-	186.05	186.05								
928	A.0005583.001.001.081	TX STORM RESTORATION ON 01/13/2017	Electric Distribution	Meeks	-	-	(371,071.82)	(129.55)	(371,201.37)								
929	A.0005583.001.001.085	TX NORTH STORM RESTORATION ON 3/6/2	Electric Distribution	Meeks	-	-	-	7.87	7.87								
930	A.0005583.001.001.087	TX STORM RESTORATION ON 3/28/2017	Electric Distribution	Meeks	-	-	-	(49.81)	(49.81)								
931	A.0005583.001.001.088	TX STORM RESTORATION ON X/X/201X	Electric Distribution	Meeks	-	-	-	(9.03)	(9.03)								
932	A.0005583.001.001.089	TX STORM RESTORATION 04/29/2017	Electric Distribution	Meeks	-	-	(117,535.28)	(4,331.82)	(121,867.10)								
933	A.0005583.001.001.090	TX STORM RESTORATION ON 6/8/2017	Electric Distribution	Meeks	-	-	-	-	-								
934	A.0005583.001.001.092	TX STORM RESTORATION ON 6/25/2017	Electric Distribution	Meeks	-	-	-	-	-								
935	A.0005583.001.001.163	BORGER STORM RESTOR 3/28/2017	Electric Distribution	Meeks	-	-	-	34.21	34.21								
936	A.0005583.001.001.164	DUMAS STORM RESTOR 3/28/2017	Electric Distribution	Meeks	-	-	-	14.97	14.97								
937	A.0005583.001.001.165	HEREFORD STORM RESTOR 3/28/2017	Electric Distribution	Meeks	-	-	-	2.85	2.85								
938	A.0005583.001.001.166	PAMPA STORM RESTOR 3/28/2017	Electric Distribution	Meeks	-	-	-	7.84	7.84								
939	A.0005583.001.001.167	SW AMARILLO STORM RESTOR 3/28/2017	Electric Distribution	Meeks	-	-	-	11.40	11.40								
940	A.0005583.001.001.168	BORGER STORM RESTOR 4/29/2017	Electric Distribution	Meeks	-	-	61,118.32	2,289.05	63,407.37								
941	A.0005583.001.001.169	PERRYTON STORM RESTOR 4/29/2017	Electric Distribution	Meeks	-	-	56,416.96	2,112.97	58,529.93								
942	A.0005583.001.001.170	BORGER STORM RESTOR 04/14/2017	Electric Distribution	Meeks	-	-	-	0.45	0.45								
943	A.0005583.001.001.171	CANYON STORM RESTOR 04/14/2017	Electric Distribution	Meeks	-	-	-	1.63	1.63								
944	A.0005583.001.001.172	DUMAS STORM RESTOR 04/14/2017	Electric Distribution	Meeks	-	-	-	1.81	1.81								
945	A.0005583.001.001.173	HEREFORD STORM RESTOR 04/14/2017	Electric Distribution	Meeks	-	-	-	1.35	1.35								
946	A.0005583.001.001.174	SW AMARILLO STORM RESTOR 04/14/2017	Electric Distribution	Meeks	-	-	-	3.79	3.79								
947	A.0005583.001.001.206	TX STORM BORGER 01/13/2017	Electric Distribution	Meeks	-	-	59,371.53	48.21	59,419.74								
948	A.0005583.001.001.207	TX STORM PAMPA 01/13/2017	Electric Distribution	Meeks	-	-	59,371.53	48.21	59,419.74								
949	A.0005583.001.001.208	TX STORM PERRYTON 01/13/2017	Electric Distribution	Meeks	-	-	252,328.76	204.88	252,533.64								
950	A.0005583.001.001.209	TX STORM NE AMARILLO 6/8/2017	Electric Distribution	Meeks	-	-	-	42.44	42.44								
951	A.0005583.001.001.210	TX STORM SW AMARILLO 6/8/2017	Electric Distribution	Meeks	-	-	-	15.69	15.69								
952	A.0005583.001.001.211	TX STORM LIEVELAND 6/25/2017	Electric Distribution	Meeks	-	-	-	24.83	24.83								
953	A.0005583.001.001.212	TX STORM LITTLEFIELD 6/25/2017	Electric Distribution	Meeks	-	-	-	8.75	8.75								
954	A.0005583.001.001.213	TX STORM LUBBOCK 6/25/2017	Electric Distribution	Meeks	-	-	-	5.52	5.52								
955	A.0005583.001.001.214	TX STORM PLAINVIEW 6/25/2017	Electric Distribution	Meeks	-	-	-	6.90	6.90								
956	A.0005583.002.001.002	2016 TEXAS POLE INSPECTIONS	Electric Distribution	Meeks	-	-	-	(1,472.07)	(1,472.07)								
957	A.0005583.003.001.002	17 TX PANHANDLE ELEC PERF FAC LOCAT	Electric Distribution	Meeks	-	-	-	167.54	167.54								
958	A.0005583.004.001.001	SPS TX Targeted OH Rebuild - A	Electric Distribution	Meeks	-	-	-	(120.04)	(120.04)								
959	A.0005584.002.001.011	NM STORM RESTORATION ON 4/12/2017	Electric Distribution	Meeks	-	-	-	0.43	0.43								
960	A.0005584.002.001.012	NM STORM RESTORATION ON 5/07/2017	Electric Distribution	Meeks	-	-	-	2.16	2.16								

Southwestern Public Service Company

Affiliate Charge, July 1, 2017 through March 31, 2019

Separated by Cost Component

Total Affiliate Charges

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	
Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total
961	A.0005584.002.001.015	NM STORM RESTORATION ON 6/25/2017	Electric Distribution	Meeks	-	-	-	(109.16)	(109.16)
962	A.0005584.003.001.002	2016 NEW MEXICO POLE INSPECTIONS	Electric Distribution	Meeks	-	-	-	(235.47)	(235.47)
963	A.0005584.004.001.002	17 NM ELEC PERF FAC LOCATES	Electric Distribution	Meeks	-	-	-	113.29	113.29
964	A.0005584.005.001.001	SPS NM Targeted OH Rebuild - A	Electric Distribution	Meeks	-	-	-	101.40	101.40
965	A.0006056.163.001.001	E6255 F350 with utility body	Electric General	Cooley	-	-	(131.10)	-	(131.10)
966	A.0006056.213.001.001	TX-DIST Fleet New Unit Purchases	Electric General	Meeks	3,022.33	-	106,031.70	-	109,054.03
967	A.0006056.214.001.001	NM-DIST Fleet New Unit Purchase El	Electric General	Meeks	402.99	-	26,558.50	-	26,961.49
968	A.0006056.223.001.001	Fleet New Units El Trans NM	Electric General	Cooley	-	-	3,044.28	-	3,044.28
969	A.0006056.224.001.001	Fleet New Units 2016 El Trans	Electric General	Cooley	-	-	53,391.08	5,468.88	58,859.96
970	A.0006056.227.001.003	GMSC-Pur Vehicles SPS 2018	Electric General	Lyal	-	-	4,141.81	-	4,141.81
971	A.0006059.006.001.002	Transportation-SPS Tools	Electric General	Meeks	-	-	487.01	-	487.01
972	A.0006059.006.001.004	TX South-Electric Tools - Equip	Electric General	Meeks	-	-	-	152.95	152.95
973	A.0006059.007.001.001	NM Blanket-Elec Tools-Equip	Electric General	Meeks	-	-	-	52.13	52.13
974	A.0006059.432.001.001	Tool Blanket TX Line	Electric General	Cooley	-	-	-	(3,772.37)	(3,772.37)
975	A.0006059.489.001.001	Tools & Equipment - Electric - NM	Electric General	Bick	-	-	-	0.37	0.37
976	A.0010001.004.001.001	TX - UG New Services Blanket	Electric Distribution	Meeks	-	-	-	-	-
977	A.0010002.003.001.001	NM - OH New Services Blanket	Electric Distribution	Meeks	-	-	302.80	-	302.80
978	A.0010017.001.001.001	TX - OH Rebuild Tap/Backbone/Sec Bl	Electric Distribution	Meeks	-	-	794.10	20.68	814.78
979	A.0010017.003.001.001	TX - OH Services Renewal Blanket	Electric Distribution	Meeks	-	-	461.61	-	461.61
980	A.0010017.004.001.001	TX - UG Services Renewal Blanket	Electric Distribution	Meeks	-	-	103.53	-	103.53
981	A.0010017.005.001.001	TX - OH Street Light Rebuild Blanket	Electric Distribution	Meeks	-	-	1,813.29	-	1,813.29
982	A.0010017.007.001.001	TX - Priority Pole Replacement Blar	Electric Distribution	Meeks	-	-	159.89	-	159.89
983	A.0010018.001.001.001	NM - OH Rebuild Tap/Backbone/Sec Bl	Electric Distribution	Meeks	-	-	-	-	-
984	A.0010018.007.001.001	NM - Priority Pole Replacement Blan	Electric Distribution	Meeks	-	-	-	-	-
985	A.0010123.002.001.002	Repl Failed Kite Transfmr 69 13 2	Electric Distribution	Meeks	-	67.08	48,255.03	0.67	48,322.78
986	A.0010123.004.001.002	SFE-Dannron - Rpl T1	Electric Distribution	Meeks	-	450.00	-	4.50	454.50
987	A.000138.001.001.002	Purchase Land @ Western St Subs	Electric Distribution	Meeks	-	190.49	171.65	-	171.65
988	D.0001703.006.001.001	Dynamic EMS Environment Phase 2 SPS	Electric General	Harkness	-	-	-	1.91	192.40
989	D.0001781.041.001.001	Security Projects - Electric -	Electric General	Brown	-	-	2,834.14	-	2,834.14
990	D.0001783.021.001.001	Purch LMR Radio HW Andrew TX	Electric General	Harkness	-	15,305.41	50,074.81	153.06	65,533.28
991	D.0001800.939.001.001	Purch Verint Server HW SPS	Electric General	Harkness	-	-	-	17,839.28	17,839.28
992	D.0001804.327.001.010	Purch Wireless Hereford SC SPS	Electric General	Harkness	-	13,019.75	-	214.70	13,234.45
993	D.0001804.327.001.011	Purch Wireless Levelland SC SPS	Electric General	Harkness	-	4,651.67	-	130.22	4,781.89
994	D.0001804.327.001.015	Purch Wireless Pervotton SC SPS	Electric General	Harkness	-	943.20	-	9.43	952.63
995	D.0001804.327.001.017	Purch Wireless Seminole SC SPS	Electric General	Harkness	-	(1,697.76)	-	-	(1,697.76)
996	D.0001804.396.001.002	Purch Wireless HW Maddox NM	Electric General	Harkness	-	68,854.17	3,550.70	451.14	72,856.01
997	D.0001804.396.001.003	Purch Wireless Clovis NM	Electric General	Harkness	-	995.60	-	9.96	1,005.56
998	D.0001804.396.001.004	Purch Wireless Carlsbad NM	Electric General	Harkness	-	1,938.80	-	19.39	1,958.19
999	D.0001804.397.001.002	Purch Wireless HW Nichols TX	Electric General	Harkness	-	70,727.20	2,550.12	475.58	73,752.90
1000	D.0001804.397.001.003	Purch Wireless HW Harrington TX	Electric General	Harkness	-	53,857.83	913.14	438.55	55,209.52
1001	D.0001804.397.001.005	Purch Wireless HW Barger TX	Electric General	Harkness	-	943.20	-	9.43	952.63
1002	D.0001804.397.001.006	Purch Wireless HW Canyon SC TX	Electric General	Harkness	-	2,148.40	-	21.48	2,169.88
1003	D.0001806.073.001.002	Amarillo Call Center Lift Pump Rplc	Electric General	Bick	-	-	-	52.00	52.00
1004	D.0001810.035.001.002	Amarillo Tower Backup Control Cente	Electric General	Bick	-	-	1,056.55	-	1,056.55
1005	D.0001810.057.001.002	Amarillo NESC Evidence Storage Faci	Electric General	Bick	-	-	12,540.47	-	12,540.47
1006	D.0001813.022.001.002	790 Buchanan Construction	Electric General	Bick	-	-	13,460.32	25.05	13,485.37
1007	D.0001813.061.001.002	New Canyon Service Center	Electric General	Bick	-	-	150,712.27	203.81	150,916.08
1008	D.0001814.028.001.001	Plainview Exterior Lighting	Electric General	Bick	-	-	934.67	-	934.67

Southwestern Public Service Company

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Separated by Cost Component
Total Affiliate Charges

(A)		(B)	(C)	(D)		(E)	(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total	
1009	D.0001814.029.001.001	Roswell SC Exterior Lighting	Electric General	Bick	-	-	934.64	-	934.64	
1010	D.0001814.041.001.002	Hobbs Svc Ctr Exterior Lighting	Electric General	Bick	-	-	311.55	-	311.55	
1011	D.0001819.006.001.001	WAM Mobility HW-SPS	Electric General	Harkness	-	-	-	187.45	187.45	
1012	D.0001821.278.001.002	Purch Radio Trk E-267 ATC TX	Electric General	Harkness	-	3,197.43	2,772.33	31.97	6,001.73	
1013	D.0001821.278.001.003	Purch Radio Lashley TX	Electric General	Harkness	-	3,197.42	684.77	31.97	3,914.16	
1014	D.0001821.278.001.004	Purch Master Radio Lubbock TX	Electric General	Harkness	-	2,806.37	-	28.07	2,834.44	
1015	D.0001821.278.001.005	Purch Radio TrkD2368 Lubbock TX	Electric General	Harkness	-	3,194.44	-	31.94	3,226.38	
1016	D.0001821.278.001.006	Purch Radio TrkD2367 Lubbock TX	Electric General	Harkness	-	3,154.90	-	31.55	3,186.45	
1017	D.0001821.278.001.007	Purch Radio TrkD231 Lubbock TX	Electric General	Harkness	-	3,196.44	-	31.97	3,228.41	
1018	D.0001821.278.001.008	Purch Radio TrkD2341 Lubbock TX	Electric General	Harkness	-	3,189.51	-	31.90	3,221.41	
1019	D.0001821.278.001.009	Purch Radio TrkD2385 Lubbock TX	Electric General	Harkness	-	3,542.95	-	35.43	3,578.38	
1020	D.0001821.278.001.010	Purch Radio TrkD2378 Lubbock TX	Electric General	Harkness	-	2,553.78	-	25.53	2,579.31	
1021	D.0001821.278.001.011	Purch Radio TrkD2307 Lubbock TX	Electric General	Harkness	-	4,136.66	-	41.37	4,178.03	
1022	D.0001821.278.001.012	Purch Radio Master Lubbock Ops HW T	Electric General	Harkness	-	2,948.29	-	29.48	2,977.77	
1023	D.0001821.278.001.013	Purch Radio Master Amarillo Ops HW	Electric General	Harkness	-	1,577.96	-	15.78	1,593.74	
1024	D.0001821.278.001.014	Purch Radio Trk N410 HW ATC SPS	Electric General	Harkness	-	3,155.91	-	31.56	3,187.47	
1025	D.0001821.278.001.015	Purch Radio Trk J4135 Plainview TX	Electric General	Harkness	-	3,114.39	-	31.15	3,145.54	
1026	D.0001821.278.001.016	Purch Radio Trk J4137 Borger TX	Electric General	Harkness	-	3,197.44	-	31.97	3,229.41	
1027	D.0001821.278.001.017	Purch Radios Foreman Plainview TX	Electric General	Harkness	-	1,453.38	-	14.53	1,467.91	
1028	D.0001821.278.001.018	Purch Radio Desktop Console Canyon	Electric General	Harkness	-	2,325.40	-	23.25	2,348.65	
1029	D.0001821.278.001.019	Purch Radio Trk F616 Amarillo TX	Electric General	Harkness	-	481.50	-	9.63	491.13	
1030	D.0001821.290.001.001	2018 Unplanned PC SPS	Electric General	Harkness	-	3,997.55	14,529.49	1,013,083.46	1,031,610.50	
1031	D.0001821.307.001.002	Purch EMS Industrial Def HW SPS	Electric General	Harkness	-	-	-	199,531.81	199,531.81	
1032	D.0001821.307.001.003	Purch EMS Cisco Equip HW SPS	Electric General	Harkness	-	(68,440.00)	-	-	(68,440.00)	
1033	D.0001821.311.001.001	2018 Planned PC SPS	Electric General	Harkness	-	112,362.52	4,550.76	658,438.29	775,351.57	
1034	D.0001821.537.001.002	Purch Radio Master Roswell HW NM	Electric General	Harkness	-	2,420.73	-	24.21	2,444.94	
1035	D.0001821.537.001.003	Purch Radio Trk2079 Roswell NM	Electric General	Harkness	-	3,114.38	-	31.15	3,145.53	
1036	D.0001821.537.001.004	Purch Radio Trk N656 HW Carlsbad NM	Electric General	Harkness	-	2,366.93	-	23.67	2,390.60	
1037	D.0001821.537.001.005	Purch Radio Doc Crew Carlsbad NM	Electric General	Harkness	-	3,176.66	-	31.77	3,208.43	
1038	D.0001821.537.001.006	Purch Radio Trk4138 Carlsbad NM	Electric General	Harkness	-	3,093.63	-	30.94	3,124.57	
1039	D.0001821.537.001.007	Purch Radio Trk41347 Clovis NM	Electric General	Harkness	-	3,114.39	-	31.14	3,145.53	
1040	D.0001821.538.001.002	Purch Mobile Handheld HW Amarillo S	Electric General	Harkness	-	4,483.56	3,310.99	61,314.77	69,109.32	
1041	D.0001839.148.001.001	Purch Storage 2650 HW Amarillo TX	Electric General	Harkness	-	40,454.25	9,698.97	404.56	50,557.78	
1042	D.0001839.370.001.002	Purch SPS Dispatch Net Equip	Electric General	Harkness	-	-	27,369.54	673.59	28,043.13	
1043	D.0001839.375.001.003	Purch VOIP HW SPS	Electric General	Harkness	-	-	13,784.72	(8,712.04)	5,072.68	
1044	D.0001840.004.001.001	Purch Net Radio Trk4121 Lubbock TX	Electric General	Harkness	-	11,275.13	-	410.35	11,685.48	
1045	D.0001840.004.001.002	Purch Net Router Amarillo TX	Electric General	Harkness	-	1,723.29	-	17.23	1,740.52	
1046	D.0001840.004.001.003	Purch Radios Amarillo SPS	Electric General	Harkness	-	1,738.25	-	17.39	1,755.64	
1047	D.0001840.004.001.004	Purch Radio A Lopez Seminole SPS	Electric General	Harkness	-	3,758.01	-	37.58	3,795.59	
1048	D.0001840.004.001.005	Purch Paging System Nichols SPS	Electric General	Harkness	-	7,827.47	2,698.33	78.27	10,604.07	
1049	D.0001840.004.001.006	Purch Amarillo Tech HW SPS	Electric General	Harkness	-	3,633.44	-	36.34	3,669.78	
1050	D.0001840.004.001.007	Purch Radios Central Loop Amarillo	Electric General	Harkness	-	7,213.30	-	72.13	7,285.43	
1051	D.0001840.004.001.008	Purch Radios Amarillo HQ TX	Electric General	Harkness	-	2,731.25	-	27.31	2,758.56	
1052	D.0001840.004.001.009	PURCH NET EQUIP TOLK SPS	Electric General	Harkness	-	3,981.72	-	39.82	4,021.54	
1053	D.0001840.004.001.010	Purch Net Ref AMA Meter Radios SPS	Electric General	Harkness	-	6,209.40	-	62.09	6,271.49	
1054	D.0001840.004.001.012	Purch Net Ref Harrington SPS	Electric General	Harkness	293.58	9,793.82	765.33	97.94	10,950.67	
1055	D.0001840.004.001.013	Purch Net Ref Trans Net Radio AOC S	Electric General	Harkness	-	1,993.21	-	19.93	2,013.14	
1056	D.0001840.004.001.014	Purch Net Ref Fleet Amarillo SPS	Electric General	Harkness	-	920.00	-	9.20	929.20	

Southwestern Public Service Company

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Total Affiliate Charges

(A)		(B)		(C)		(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description		Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total	
1057	D.0001840.004.001.015	Purch Net Ref Radios Trk R9-31 SPS		Electric General	Harkness	-	3,197.43	-	31.97	3,229.40	
1058	D.0001840.004.001.016	Purch Net Radio T Helton Amarillo S		Electric General	Harkness	-	-	2,122.25	-	2,122.25	
1059	D.0001840.019.001.001	Purch Radio Casey Huber Roswell NM		Electric General	Harkness	-	-	3,138.15	-	3,138.15	
1060	D.0001840.030.001.001	Purch Net Ref Kress El Comm SPS		Electric General	Harkness	-	2,657.61	5,605.03	79.60	8,342.24	
1061	D.0002014.001.001.014	Purch WAN HW Seminole TX		Electric General	Harkness	-	2,857.50	-	28.58	2,886.08	
1062	D.0002014.002.001.003	Purch WAN HW Roswell NM		Electric General	Harkness	-	18,606.81	1,500.42	186.07	20,293.30	
1063	D.0002016.004.001.002	Purch MPLS Unpl Amarillo North TX		Electric General	Harkness	-	330.17	1,324.61	3.30	1,658.08	
1064	D.0002016.004.001.003	Purch MPLS Unpl Amarillo So Securit		Electric General	Harkness	-	99.50	2,249.69	1.00	2,349.69	
1065	D.0002016.004.001.004	Purch MPLS Unpl Buffalo TX		Electric General	Harkness	-	99.50	371.90	1.00	472.40	
1066	D.0002016.004.001.005	Purch MPLS Unpl Canyon West TX		Electric General	Harkness	-	99.50	-	1.00	100.50	
1067	D.0002016.004.001.006	Purch MPLS Unpl Grassland TX		Electric General	Harkness	-	99.50	-	1.00	100.50	
1068	D.0002016.004.001.007	Purch MPLS Unpl Harrington TX		Electric General	Harkness	-	99.50	37.54	1.00	138.04	
1069	D.0002016.004.001.008	Purch MPLS Unpl Hitchland TX		Electric General	Harkness	-	99.50	-	1.00	100.50	
1070	D.0002016.004.001.010	Purch MPLS Unpl Nichols TX		Electric General	Harkness	2,545.82	99.50	2,511.19	1.00	5,157.51	
1071	D.0002016.004.001.012	Purch MPLS Unpl Randall TX		Electric General	Harkness	-	830.43	798.65	1,637.38	1,637.38	
1072	D.0002016.004.001.013	Purch MPLS Unpl Rolling Hills TX		Electric General	Harkness	-	1,580.80	-	15.80	1,596.60	
1073	D.0002016.004.001.016	Purch MPLS Unpl Slaton Sub TX		Electric General	Harkness	-	1,107.50	-	11.08	1,118.58	
1074	D.0002016.004.001.017	Purch MPLS Unpl Slaton Z60 TX		Electric General	Harkness	-	883.50	-	8.84	892.34	
1075	D.0002016.004.001.018	Purch MPLS Unpl Yoakum TX		Electric General	Harkness	-	1,903.05	-	19.03	1,922.08	
1076	D.0002016.004.001.019	Purch MPLS Unpl Rolling Hills TX		Electric General	Harkness	-	14,716.49	103.14	147.16	14,966.79	
1077	D.0002016.017.001.002	Purch MPLS Unpl China DrawNM		Electric General	Harkness	-	99.50	12,400.68	1.00	12,501.18	
1078	D.0002016.017.001.003	Purch MPLS Unpl Curry Civ NM		Electric General	Harkness	310.37	435.50	27,588.89	4.36	28,339.12	
1079	D.0002016.017.001.005	Purch MPLS Unpl Greyhound NM		Electric General	Harkness	-	99.50	101.74	1.00	202.24	
1080	D.0002016.017.001.007	Purch MPLS Unpl Kiowa NM		Electric General	Harkness	47.44	1,280.10	11,134.11	12.80	12,474.45	
1081	D.0002016.017.001.008	Purch MPLS Unpl Lea Civ NM		Electric General	Harkness	-	429.67	4,036.61	4.30	4,470.58	
1082	D.0002016.017.001.013	Purch MPLS Unpl Roswell City NM		Electric General	Harkness	916.52	4,808.14	10,976.21	1,094.33	17,795.20	
1083	D.0002016.017.001.014	Purch MPLS Unpl Whitton NM		Electric General	Harkness	-	1,260.10	2,001.01	12.60	3,273.71	
1084	D.0002016.018.001.001	Purch MPLS Unpl Optima OK		Electric General	Harkness	-	1,107.50	409.89	11.08	1,528.47	
1085	D.0002021.004.001.002	Purch FITI Canyon SC HW SPS		Electric General	Harkness	218.63	44,095.80	17,605.49	576.10	62,496.02	
1086	Grand Total					\$ 48,876.20	\$ 5,199,100.00	\$ 9,425,044.47	\$ 1,963,058.21	\$ 16,636,078.88	

Southwestern Public Service Company

Affiliate Charge, July 1, 2017 through March 31, 2019
Separated by Cost Component
Total Affiliate Charges

Line No.	(A) Work Order Number	(B) Work Order Description	(C) Asset Class	(D) Witness	(E) Materials and Supplies	(F) Contract Work	(G) Labor	(H) Other	(I) Total
1	A.0002062.001.001.001	SPS GIST IV Comp Software-SLR	Electric General - Software	Cooley	\$ 6.00	\$ 46,363.00	\$ 2,723.31	\$ 511.85	\$ 49,604.16
2	D.0001726.058.001.001	Work and Asset Ph 1 SW SPS	Electric General - Software	Harkness	20,785.48	3,539,631.17	1,019,331.99	383,779.07	4,963,527.71
3	D.0001726.058.001.005	WAM-Deploy6-Dist-Geo-SW-SPS	Electric General - Software	Harkness	34,926.79	12,917,450.42	2,974,591.94	1,413,511.30	17,340,480.45
4	D.0001738.014.001.001	GeoSpatial Integration SW SPS-10653	Electric General - Software	Harkness	-	62,938.51	199.62	(19,154.98)	44,003.15
5	D.0001738.020.001.002	GeoSpatial Traps SW SPS-10672	Electric General - Software	Harkness	-	169,088.25	-	(15,399.38)	153,688.87
6	D.0001741.007.001.001	Data Quality Tool SW SPS	Electric General - Software	Harkness	-	2,956.83	424.50	(5,004.66)	(1,623.33)
7	D.0001743.007.001.001	Upgrade IEE 5.3 to IEE 8.1 SW SPS	Electric General - Software	Harkness	-	93.07	-	(152.01)	(58.94)
8	D.0001744.014.001.002	Powerplan Upgrade (Ph 2) SPS Reg Mo	Electric General - Software	Harkness	-	172.06	-	-	172.06
9	D.0001744.019.001.001	IrtnNet Damage Prevent SW SPS	Electric General - Software	Harkness	-	289,716.13	5,097.29	(2,076.40)	292,737.02
10	D.0001744.027.001.001	ITSM Ph 4 SW SPS	Electric General - Software	Harkness	-	4,383.93	2,430.06	(5,145.13)	1,668.86
11	D.0001744.035.001.001	Corporate Giving SW SPS	Electric General - Software	Harkness	162.37	19,020.66	79.61	(2,221.71)	17,040.93
12	D.0001744.044.001.001	Teradata HW SW SPS	Electric General - Software	Harkness	-	3,159.20	692.89	(3,278.76)	573.33
13	D.0001748.007.001.001	Corp Email SW SPS	Electric General - Software	Harkness	-	1,860.67	753.21	(484.68)	2,129.20
14	D.0001754.007.001.001	Identity & Access Mgmt QAS SW SPS	Electric General - Software	Harkness	-	91.38	(192.78)	(1,218.21)	(1,319.61)
15	D.0001755.007.001.001	Identity & Access Mgmt Sallip SW SPS	Electric General - Software	Harkness	-	1,226.24	1,790.70	(1,910.56)	1,106.38
16	D.0001759.007.001.001	Fleet Focus SW SPS	Electric General - Software	Harkness	-	37.36	-	(177.42)	(140.06)
17	D.0001761.007.001.001	Database Security SW SPS	Electric General - Software	Harkness	-	1,476.91	26.55	(1,270.62)	232.84
18	D.0001763.014.001.002	ITSM Secure Ticker SW SPS-10676	Electric General - Software	Harkness	-	86,431.25	6,836.49	772.96	94,040.70
19	D.0001767.007.001.001	Self Service and PAF SW SPS	Electric General - Software	Harkness	-	3,004.79	76.72	(3,671.35)	(589.84)
20	D.0001770.007.001.001	Electronic Data SW SPS	Electric General - Software	Harkness	-	4,526.85	-	(2,864.40)	1,662.45
21	D.0001770.014.001.001	Secure File&Transfer Ph 2 SW SPS-1C	Electric General - Software	Harkness	-	96,077.40	2,073.11	(1,823.84)	96,326.67
22	D.0001770.020.001.001	Sec File Ph 3 SW SPS-10716	Electric General - Software	Harkness	-	20,302.32	164.26	99.08	20,565.66
23	D.0001771.007.001.001	Certificate Key Mgmt SW SPS	Electric General - Software	Harkness	21.27	111,895.90	20,201.62	168,708.87	300,827.66
24	D.0001783.017.001.002	WebSense SW SPS-10670	Electric General - Software	Harkness	-	10,832.15	1,554.04	1,706.64	14,092.83
25	D.0001787.004.001.001	SAP Financial Mgmt SPS	Electric General - Software	Harkness	-	31,290.46	561.92	416.20	32,268.58
26	D.0001787.009.001.001	Customer Mgmt SPS	Electric General - Software	Harkness	59.40	2,691,002.57	126,098.72	87,342.76	2,904,503.45
27	D.0001792.141.001.001	BI Teradata New Ver-10674 SW SPS	Electric General - Software	Harkness	-	20,588.84	-	234.57	20,823.41
28	D.0001792.152.001.001	10634-gERC NERC SW SPS	Electric General - Software	Harkness	-	2,871.51	1,406.58	(3,197.74)	1,080.35
29	D.0001792.162.001.001	XE.COM Optimization Ph2 SW SPS-10666	Electric General - Software	Harkness	1.66	228,275.01	4,572.18	5,181.01	238,029.85
30	D.0001792.176.001.001	Informatica New Ver-10673 SW SPS	Electric General - Software	Harkness	-	59,107.85	79.57	176.18	59,363.60
31	D.0001792.176.001.001	Rational SW SPS-10715	Electric General - Software	Harkness	-	14,306.05	1,275.68	211.06	15,792.79
32	D.0001796.025.001.001	Network Tools Telecom Exp SW TX -106	Electric General - Software	Harkness	-	200,935.99	22,806.98	320,501.25	544,244.22
33	D.0001796.025.001.001	Network Tools Mgmt SW SPS-10700	Electric General - Software	Harkness	-	57,159.45	24,034.18	59,279.36	140,472.99
34	D.0001800.932.001.001	Automated Credit Mgmt SW SPS -10635	Electric General - Software	Harkness	-	5,894.05	1,268.20	(5,538.08)	1,624.17
35	D.0001804.151.001.001	Interval Complex Billing SW SI	Electric General - Software	Harkness	-	366,503.92	12,390.75	797.63	379,692.30
36	D.0001804.306.001.001	Federated Records SW SPS-10640	Electric General - Software	Harkness	-	96,274.09	2,215.78	(8,570.29)	89,919.58
37	D.0001804.351.001.001	SAP Fin Data Mart SW SPS-10658	Electric General - Software	Harkness	-	(2,051.62)	15.86	(4,733.68)	(6,769.44)
38	D.0001804.365.001.001	gERC Security SW SPS -10660	Electric General - Software	Harkness	-	53,600.94	848.95	(1,212.22)	53,237.67
39	D.0001804.369.001.001	Integrated Talent Ph4 SWS-10637	Electric General - Software	Harkness	-	1,429.36	1,452.36	(2,155.42)	726.30
40	D.0001804.376.001.001	gERC Security Ph2 SW SPS-10668	Electric General - Software	Harkness	-	74,363.10	2,590.87	(1,175.46)	75,778.51
41	D.0001805.004.001.001	Next Gen MSFT LIC SW SPS-10692	Electric General - Software	Harkness	-	1.37	1,792.38	3,399,366.13	3,401,179.81
42	D.0001815.043.001.001	Renewable Energy SW SPS-10649	Electric General - Software	Harkness	-	(76.73)	-	(540.58)	(617.31)
43	D.0001818.018.001.001	Security Incident SW SPS	Electric General - Software	Harkness	5.25	7,252.54	12,604.68	(10,871.57)	8,990.90
44	D.0001818.077.001.001	Vulnerability NextPose SW SPS-10665	Electric General - Software	Harkness	-	17,562.00	350.22	(1,099.98)	16,812.24
45	D.0001818.084.001.001	Vulnerability AppSpider SW SPS-10667	Electric General - Software	Harkness	-	17,811.74	1,904.91	9,262.96	28,979.61
46	D.0001818.090.001.001	SIEM Extension SW SPS-10679	Electric General - Software	Harkness	-	80,453.03	13,339.31	63,756.20	157,548.54
47	D.0001818.108.001.001	Emergency Mass SW SPS-10709	Electric General - Software	Harkness	-	99,796.96	15,555.35	864.02	116,216.33
48	D.0001822.036.001.001	TD Ciena Network SW SPS-10642	Electric General - Software	Harkness	-	272.07	-	(268.84)	3.23
49	D.0001825.098.001.001	Advanced Endpoint SW SPS-10685	Electric General - Software	Harkness	-	35,687.99	9,939.50	275,431.35	321,058.84
50	D.0001826.064.001.001	Mobile Application Customer SW	Electric General - Software	Harkness	19.17	45,003.40	1,483.04	(6,904.84)	39,600.77

Southwestern Public Service Company

Affiliate Charge, July 1, 2017 through March 31, 2019
Separated by Cost Component
Total Affiliate Charges

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Work Order Number	Work Order Description	Asset Class	Witness	Materials and Supplies	Contract Work	Labor	Other	Total
51	D.0001826.101.001.001	Matter Management SW SPS	Electric General - Software	Harkness	-	9,277.96	-	(3,232.91)	6,045.05
52	D.0001826.161.001.001	Verint Suite SW SPS	Electric General - Software	Harkness	-	87,817.53	11,499.72	(902.14)	98,415.11
53	D.0001826.191.001.001	Demand Response Mgmt SW SPS	Electric General - Software	Harkness	-	288,599.52	24,840.72	(6,263.59)	307,176.65
54	D.0001826.211.001.001	ITSA Pole Ph2 SW SPS	Electric General - Software	Harkness	-	2,124.68	-	(4,694.28)	(2,569.60)
55	D.0001826.233.001.001	Solar Energy Grid SW SPS	Electric General - Software	Harkness	-	(94.95)	-	1,022.39	927.44
56	D.0001826.241.001.001	SAP BI Suite SW SPS	Electric General - Software	Harkness	-	986.50	71.13	(1,843.22)	(785.59)
57	D.0001826.247.001.001	2015 RPAM Phase 3 Amort SW SPS	Electric General - Software	Harkness	-	431,275.38	2,004.98	(9,683.15)	423,597.21
58	D.0001826.366.001.001	Microsoft Core SW SPS-10678	Electric General - Software	Harkness	-	-	-	242,232.02	242,232.02
59	D.0001826.381.001.001	Mobile App Ph2 SW SPS-10695	Electric General - Software	Harkness	-	23,951.35	527.74	154.28	24,633.37
60	D.0001839.186.001.001	Mobile Computing Infra SW SPS	Electric General - Software	Harkness	37.89	44,512.36	4,972.52	(25,854.59)	23,668.18
61	D.0001839.379.001.001	RedSky e911 SW SPS	Electric General - Software	Harkness	27.61	87,116.60	10,302.29	96.18	97,542.68
62	D.0001839.391.001.001	Sharepoint 2013 Ph 2 SW SPS	Electric General - Software	Harkness	6.41	386,596.03	10,307.03	12,384.48	409,293.95
63	D.0001839.606.001.001	CIS IVR SW SPS-10643	Electric General - Software	Harkness	-	852.91	-	(852.89)	0.02
64	D.0001839.613.001.001	CIS CM SW SPS-10644	Electric General - Software	Harkness	-	56,638.82	3,543.84	(492.37)	59,690.29
65	D.0001839.635.001.001	VMware Private Cloud SW SPS-10647	Electric General - Software	Harkness	-	600.36	1,416.50	57,505.71	59,522.57
66	D.0001839.642.001.001	Network Security Protect SW SPS-106	Electric General - Software	Harkness	-	22,078.28	-	(7,916.06)	14,162.22
67	D.0001839.814.001.001	DMZ Symantec SW SPS-10663	Electric General - Software	Harkness	-	7,471.70	548.65	(7,471.69)	548.66
68	D.0001839.821.001.001	DMZ Airwatch SW SPS-10664	Electric General - Software	Harkness	-	42.77	12,256.09	7,046.45	19,345.31
69	D.0002001.007.001.001	SailPoint Extension SW SPS-10667	Electric General - Software	Harkness	-	128,544.67	872.07	(8,882.71)	120,534.03
70	D.0002001.014.001.001	Sailpoint Ph3 SW SPS-10717	Electric General - Software	Harkness	-	203,268.89	1,609.79	1,795.44	206,674.12
71	D.0002002.007.001.001	NIMS 1.12 Upgrade SW SPS-10669	Electric General - Software	Harkness	-	637,849.36	25,376.15	25,915.60	689,141.11
72	D.0002003.004.001.002	Oracle 2017 SW SPS-10677	Electric General - Software	Harkness	-	-	-	399,367.63	399,367.63
73	D.0002003.010.001.001	2018 Oracle SW SPS-10701	Electric General - Software	Harkness	-	321.10	-	402,229.29	402,550.39
74	D.0002003.014.001.001	2019 Oracle SW SPS-10748	Electric General - Software	Harkness	-	285.27	-	402,200.18	402,485.45
75	D.0002004.004.001.002	SAP Data Mart SW SPS-10675	Electric General - Software	Harkness	-	94,720.21	4,885.20	576.46	100,181.87
76	D.0002004.014.001.001	SAP Data Mart Ph2 SW SPS-10690	Electric General - Software	Harkness	-	7,859.56	4,046.82	15.88	11,922.26
77	D.0002007.004.001.002	Digital Signage SW SPS-10671	Electric General - Software	Harkness	-	36,699.16	-	39,818.71	76,517.87
78	D.0002008.004.001.001	Ent Database Security Ph2 SW SPS-10	Electric General - Software	Harkness	-	139,608.02	2,708.02	575.59	142,891.63
79	D.0002020.014.001.001	SAP Cont. Improve R18 SW SPS-10706	Electric General - Software	Harkness	-	259,367.34	1,098.73	2,251.98	262,718.05
80	D.0002034.004.001.001	CEC-TCPA Do Not Call SW SPS-10703	Electric General - Software	Harkness	-	20,195.21	120.43	115.64	20,431.28
81	D.0002066.004.001.001	Bus Obj Ref SW SPS-10698	Electric General - Software	Harkness	-	127,665.45	5,597.57	32,838.09	166,101.11
82	D.0002067.004.001.001	OSI Ent Agree SW SPS-10726	Electric General - Software	Harkness	-	-	-	274,940.42	274,940.42
83	D.0002090.004.001.001	IT Service Request SW SPS-10699	Electric General - Software	Harkness	-	183,724.57	54,901.17	1,844.35	240,470.09
84	D.0002090.013.001.001	Microfocus SW SPS-10721	Electric General - Software	Harkness	-	-	-	438,569.96	438,569.96
85	D.0002097.007.001.001	UAST Ph1 SW SPS-10689	Electric General - Software	Harkness	-	68,840.68	4,509.03	456.12	73,805.83
86	D.0002098.004.001.001	CyberArk PAM SW SPS-10694	Electric General - Software	Harkness	-	85,769.00	14,462.79	107,884.98	208,116.77
87	D.0002099.007.001.001	Firewall Rule Mgmt SW SPS-10707	Electric General - Software	Harkness	-	60,444.24	35,071.06	240,401.32	335,916.62
88	D.0002101.006.001.001	gCRC Ph3 SW SPS-10719	Electric General - Software	Harkness	-	64,052.97	5,288.23	626.13	69,967.33
89	D.0002162.004.001.001	Microsoft Core Server SW SPS-10727	Electric General - Software	Harkness	-	-	-	239,290.20	239,290.20
90	D.0002182.004.001.001	Sharepoint RFP SW SPS-10739	Electric General - Software	Harkness	-	3,664.90	199.64	-	3,866.33
91	Grand Total				\$ 56,059.30	\$ 25,170,800.79	\$ 4,540,481.01	\$ 8,933,875.30	\$ 39,704,316.40

Southwestern Public Service Company
Affiliate Charge – Cost Components

2017-2019 SAP

Account Number	Account Description	Cost Type
<i>Allowance For Funds Used During Construction</i>		
5600936	Allow for Funds-Const-Debt	<i>Other</i>
5600941	Allow for Funds-Const-Equity	<i>Other</i>
<i>Contract Work</i>		
5600001	CWIP Contract Labor	<i>Contract Work</i>
5600002	CWIP Contract OT Labor	<i>Contract Work</i>
5600006	CWIP Consult/Prof Svcs-Other	<i>Contract Work</i>
5600041	CWIP Contracts Outside Vendors	<i>Contract Work</i>
5600992	CWIP Contractor Retentions	<i>Contract Work</i>
5600187	CWIP Other I/T	<i>Contract Work</i>
5600871	CWIP Other	<i>Contract Work</i>
5600021	Consulting Professional Services Legal	<i>Contract Work</i>
5600051	Outside Services Customer Care	<i>Contract Work</i>
8300110	Contract Labor-Settle_Direct	<i>Contract Work</i>
8300115	Consulting-Settle_Direct	<i>Contract Work</i>
8300120	Contract Outside Vendors-Settle_Dir	<i>Contract Work</i>
<i>Insurance</i>		
5600316	CWIP Electrical	<i>Other</i>
<i>Labor</i>		
5540001	CWIP Productive Labor	<i>Labor</i>
5540010	CWIP Loading-NonProductive	<i>Labor</i>
5540020	CWIP Loading-Pension	<i>Labor</i>
5540100	CWIP Loading-Insurance	<i>Labor</i>
5902001	CWIP Loading-Taxes	<i>Labor</i>
5540180	CWIP Premium Time Labor	<i>Labor</i>
5540150	CWIP Inj & Dam Loading	<i>Labor</i>
5540170	CWIP Incentive Loading	<i>Labor</i>
5540220	CWIP Overtime Labor	<i>Labor</i>
5540230	CWIP Incentive	<i>Labor</i>
5540260	CWIP Other Compensation	<i>Labor</i>
5540270	CWIP Other Comp- Welfare Fund	<i>Labor</i>
5600251	CWIP Personal Comm Devices	<i>Labor</i>
5600246	CWIP Employee Expenses	<i>Labor</i>
5600191	CWIP EE Exp Airfare	<i>Labor</i>
5600196	CWIP EE Exp Car Rental	<i>Labor</i>
5600201	CWIP EE Exp Taxi/Bus	<i>Labor</i>
5600206	CWIP EE Exp Milage	<i>Labor</i>
5600216	CWIP EE Exp Hotel	<i>Labor</i>
5600221	CWIP EE Exp Meals-EE's	<i>Labor</i>
5600226	CWIP EE Exp Meals Incl Non-EEs	<i>Labor</i>
5600231	CWIP EE Exp Parking	<i>Labor</i>
5600236	CWIP EE Exp Per Diem	<i>Labor</i>
5600241	CWIP EE Exp Safety Equip	<i>Labor</i>
5600246	CWIP EE Exp Other	<i>Labor</i>

Southwestern Public Service Company
Affiliate Charge – Cost Components

2017-2019 SAP

Account Number	Account Description	Cost Type
5540185	Other Compensation Accruals	<i>Labor</i>
5600211	Employee Expenses Conf Seminar Trng	<i>Labor</i>
5600591	Dues - Professional Association	<i>Labor</i>
8000000	Prod Labor Bargaining Benefit Group 1	<i>Labor</i>
8000005	Prod Labor Bargaining Benefit Group 6	<i>Labor</i>
8000020	Prod Labor Non-Bargaining Benefit Grp 1	<i>Labor</i>
8000022	Prod Labor Non-Bargaining Benefit Grp 3	<i>Labor</i>
8000023	Prod Labor Non-Bargaining Benefit Grp 4	<i>Labor</i>
8000036	Productive Labor Bargaining No Load	<i>Labor</i>
8000100	Premium	<i>Labor</i>
8000105	Overtime	<i>Labor</i>
8000115	Other Compensation Craft Welfare Fund	<i>Labor</i>
8020000	Work Order Activity Type Costing (Labor)	<i>Labor</i>
8100000	Non-Prod Labor Bargaining Benefit Grp 1	<i>Labor</i>
8100020	Non-Prod Labor Non-Bargaining Ben Grp 1	<i>Labor</i>
8100022	Non-Prod Labor Non-Bargaining Ben Grp 3	<i>Labor</i>
8100023	Non-Prod Labor Non-Bargaining Ben Grp 4	<i>Labor</i>
8100105	Pension & Insurance	<i>Labor</i>
8100106	Benefits Non-Service	<i>Labor</i>
8100110	401K Match	<i>Labor</i>
8100115	Qualified Pension	<i>Labor</i>
8100120	Nonqualified Pension	<i>Labor</i>
8100125	FAS 88 Settlement Expense	<i>Labor</i>
8100130	Exec Nonqualified Deferred Comp Match	<i>Labor</i>
8100140	Other Pension - Consult	<i>Labor</i>
8100150	Active Healthcare	<i>Labor</i>
8100155	Miscellaneous Benefit Programs and Costs	<i>Labor</i>
8100160	Life LTD and Business Travel Insurance	<i>Labor</i>
8100165	Retiree Medical	<i>Labor</i>
8100170	FAS 112 LTD	<i>Labor</i>
8100175	Payroll Taxes	<i>Labor</i>
8100190	Workers' Compensation - FAS 112 Costs	<i>Labor</i>
8100195	Workers' Compensation - Ins and Other	<i>Labor</i>
8100200	Annual Incentive	<i>Labor</i>
8100500	NonProd Bargaining Labor G1_OH Alloc	<i>Labor</i>
8100502	NonProd NonBarg Labor G1_OH Alloc	<i>Labor</i>
8100507	401K Match_OH Alloc	<i>Labor</i>
8100508	Qualified Pension_Overhead Allocation	<i>Labor</i>
8100509	Nonqualified Pension_Overhead Allocation	<i>Labor</i>
8100510	FAS 88 Settlement Expense_OH Allocation	<i>Labor</i>
8100511	Exec Nonqual Def Comp Match_OH Alloc	<i>Labor</i>
8100512	Other Pension - Consult_OH Allocation	<i>Labor</i>
8100513	Active Healthcare_Overhead Allocation	<i>Labor</i>
8100514	Misc Benefit Programs and Costs_OH Alloc	<i>Labor</i>

Southwestern Public Service Company
Affiliate Charge – Cost Components

2017-2019 SAP

Account Number	Account Description	Cost Type
8100515	Life LTD and Bus Travel Ins_OH Alloc	Labor
8100516	Retiree Medical_Overhead Allocation	Labor
8100517	FAS 112 LTD_Overhead Allocation	Labor
8100518	Payroll Taxes_Overhead Allocation	Labor
8100527	Workers' Comp-Ins and Other_OH Alloc	Labor
8100528	Annual Incentive_Overhead Allocation	Labor
8100540	NonProd NonBarg Labor G3_OH Alloc	Labor
8100541	NonProd NonBarg Labor G4_OH Alloc	Labor
8300100	Labor-Settle_Direct	Labor
8300101	Incentive-Settle_Direct	Labor
8300105	Labor Benefits Inj and Dam-Settle_Direct	Labor
8300106	Labor Benefits Pens and Ben-Settle_Dir	Labor
8300107	Labor Payroll Tax - Settle_Direct	Labor
8300108	Labor Benefits Non-Service Direct	Labor
8300130	Employee Expense-Settle_Direct	Labor
Materials and Supplies		
5600066	CWIP Materials	Materials and Supplies
5600073	CWIP Material-Sm Cap Purchases	Materials and Supplies
5600121	CWIP IT Hardware Purchases	Materials and Supplies
5600146	CWIP Network Voice	Materials and Supplies
5600151	CWIP Network Data	Materials and Supplies
5600156	CWIP Network Telecom	Materials and Supplies
5600161	CWIP Network Radio/Pgr/MW	Materials and Supplies
5600131	CWIP Software Purchases	Materials and Supplies
5600068	Material Consumption	Materials and Supplies
5600071	MS Inventory Adjust - Obsolete Materials	Materials and Supplies
5600126	Software License Purchase - Perpetual	Materials and Supplies
8300125	Materials-Settle_Direct	Materials and Supplies
Overheads		
5600963	CWIP Overheads	Other
5600992	CWIP E&S Labor Overhead	Other
5600441	Injuries and Damages A&G	Other
8100205	AG Overhead	Other
8100260	Purchasing - Overhead	Other
8100315	Warehouse - Overhead	Other
8100425	Engineering and Super - Overhead	Other
8100530	Purchasing_OH Allocation	Other
8100531	Warehouse_OH Allocation	Other
8100533	Warehouse Energy Supply_OH Allocation	Other
8300150	Overhead-Settle_Direct	Other
Reimbursements to Construction		
5600992	Reimbursements to Construction	Other
5600992	Reimb Construction - Joint Trenching	Other
Rents		

Southwestern Public Service Company
Affiliate Charge – Cost Components

2017-2019 SAP

Account Number	Account Description	Cost Type
5600382	CWIP Rents Equipment	<i>Other</i>
5600386	CWIP Rents Other	<i>Other</i>
5600396	Rent - Equipment Customer Case	<i>Other</i>
Transportation		
5600291	CWIP Transportation Fleet Cost	<i>Other</i>
5600726	CWIP License Fees & Permit	<i>Other</i>
8100532	Fleet_OH Allocation	<i>Other</i>
8100552	Fleet-Utilization	<i>Other</i>
8300135	Transportation-Settle_Direct	<i>Other</i>
Contributions in Aid of Construction		
5600961	Customer Contributions	<i>Other</i>
5600966	Residential CIAC - New	<i>Other</i>
5600971	Residential CIAC - Reconstruction	<i>Other</i>
5600976	Commercial & Industrial CIAC - New	<i>Other</i>
5600981	Commercial & Industrial CIAC - Reconstruction	<i>Other</i>
5600992	Residential CIAC - Advance	<i>Other</i>
5600986	Commercial & Industrial CIAC - Advance	<i>Other</i>
5600991	Public Authority CIAC - New or Reconstruction	<i>Other</i>
5600972	Non-taxable CIAC	<i>Other</i>
Other		
5071003	Gen Trading REC Costs	<i>Other</i>
5600091	Print and Copy Cost - Other	<i>Other</i>
5600256	Office Supplies	<i>Other</i>
5600271	Safety Recognition	<i>Other</i>
5600281	Employee Performance Recognition	<i>Other</i>
5600286	Non - Recoverable Recognition	<i>Other</i>
5600311	General Interior Exterior Maintenance	<i>Other</i>
5600331	Snow Removal Costs	<i>Other</i>
5600336	Trash Removal Costs	<i>Other</i>
5600341	Water Use Costs	<i>Other</i>
5600436	Postage	<i>Other</i>
5600696	Deductions - Corporate Tickets	<i>Other</i>
5600701	Deductions - Other	<i>Other</i>
5600721	Environmental Permits and Fees	<i>Other</i>
5600826	O and M Credits - Damage Claims	<i>Other</i>
5600896	Online Information Services	<i>Other</i>
5601005	CWIP Clearing Conversion	<i>Other</i>
5900001	Property Taxes	<i>Other</i>
8300140	Miscellaneous-Settle_Direct	<i>Other</i>

Southwestern Public Service Company
Allocating Software Work Orders

Line No.	Allocating Work Order Number	SPS Associated Subledger	SPS Allocation Percentage	NSPM Allocation Percentage	NSPW Allocation Percentage	PSCo Allocation Percentage	Work Order Description	Allocation Method	SPS In-serviced Amount from July 1, 2017 to March 31, 2019
1	N/A	D.0000726.058.001.005	18.53%	36.53%	7.99%	36.95%	Work and Asset Phase 1 SW SPS	# of Employees	\$ 18,354,460.14
2	10493	D.0001726.058.001.001	14.54%	39.24%	9.59%	36.63%	Work and Asset Phase 1 SW SPS	Number of Passport work management, inventory, purchasing transactions and	\$ 4,674,185.72
3	10692	D.0001805.004.001.001	11.89%	54.33%	6.15%	27.63%	Next Gen MSFT LLC SW SPS-10692	# of computers	\$ 3,401,179.88
4	N/A	D.0001787.009.001.001	15.63%	41.54%	8.08%	34.75%	Customer Mgmt SPS	Revenues	\$ 2,932,094.45
5	10596	D.0001826.191.001.001	10.22%	34.98%	6.84%	47.96%	Demand Response Manage SW SPS	CRS 503	\$ 1,041,851.94
6	N/A	D.0001787.004.001.001	15.63%	41.54%	8.08%	34.75%	SAP Financial Mgmt SPS	Revenues	\$ 966,478.70
7	10604	D.0001833.391.001.001	11.40%	58.55%	11.40%	23.41%	Sharepoint 2013 Ph2 SW SPS	# of computers	\$ 949,163.09
8	10669	D.0002092.007.001.001	11.36%	36.57%	8.19%	43.88%	NMS 1.12 Upgrade SW SPS-10669	Electric Distribution Plant	\$ 759,941.84
9	10651	D.0001804.151.001.001	10.00%	35.00%	7.00%	48.00%	Interval Complex Billing SW SP	CRS 503	\$ 668,146.04
10	10619	D.0001826.247.001.001	16.00%	38.00%	9.00%	37.00%	2015 RPAM Phase 3 Amort SW SPS	Assets/Revenue/Employees w/o Xcel Energy, Inc	\$ 610,204.62
11	10672	D.0001738.020.001.002	28.37%	37.54%	11.45%	22.64%	GeoSpatial Trans SW SPS-10672	Electric Transmission Plant	\$ 564,086.58
12	10683	D.0001796.018.001.001	12.39%	47.41%	8.09%	32.11%	Network Tools Telecom Exp SW TX -106	# of phones, radios, computers	\$ 560,993.36
13	10592	D.0001818.018.001.001	13.97%	50.34%	6.43%	29.26%	Security Incident SW SPS	# of security employees	\$ 556,663.23
14	10653	D.0001738.014.001.001	5.68%	33.07%	7.65%	53.60%	GeoSpatial Integration SW SPS-10653	Electric Distribution, Gas Distribution Plant	\$ 512,801.53
15	10593	D.0001744.019.001.001	14.40%	35.53%	8.85%	41.22%	IrishNet Damage Prevent SW SPS	Electric Distribution, Electric Transmission, Gas Distribution, Gas Transmissi	\$ 506,452.28
16	10662	D.0001792.152.001.001	7.08%	35.52%	6.70%	50.70%	XE.COM Optimization Ph2 SW SPS-1066	Number of customers excluding wholesale	\$ 468,994.80
17	10721	D.0002090.013.001.001	14.52%	45.39%	7.02%	33.07%	Microfocus SW SPS-10721	Assets/Revenue/Employees w Xcel Energy, Inc	\$ 450,594.62
18	10640	D.0001804.306.001.001	14.00%	45.07%	6.48%	34.45%	Federated Records SW SPS-10640	Assets/Revenue/Employees w/o Xcel Energy, Inc	\$ 442,810.14
19	10701	D.0002003.010.001.001	11.17%	38.75%	6.42%	43.66%	2018 Oracle SW SPS-10701	Electric Distribution, Gas Distribution, Gas Transmissi	\$ 409,077.94
20	10748	D.0002003.014.001.001	11.02%	39.02%	6.25%	43.71%	2019 Oracle SW SPS-10748	Average of a select set of software applications	\$ 404,749.09
21	10677	D.0002003.004.001.002	11.17%	38.75%	6.42%	43.66%	Oracle Version Upgrade SPSW-BSPR10	Average of a select set of software applications	\$ 400,305.01
22	10689	D.0002097.007.001.001	28.37%	37.54%	11.45%	22.64%	UAST Ph1 SW SPS-10689	Electric Transmission Plant	\$ 353,444.31
23	10707	D.0002099.007.001.001	14.56%	48.17%	6.78%	30.49%	Firewall Rule Mgmt SW SPS-10707	# of security employees	\$ 345,213.87
24	10577	D.0001771.007.001.001	12.21%	44.99%	6.20%	36.60%	Certificate Key Mgmt SW SPS	552 - Security Systems	\$ 336,073.80
25	10685	D.0001825.098.001.001	14.56%	48.17%	6.78%	30.49%	Advanced Endpoint SW SPS-10685	# of security employees	\$ 330,843.88
26	10726	D.0002067.004.001.001	16.27%	33.61%	8.99%	41.13%	OSI Ent Agree SW SPS-10726	Electric Distribution, Electric Transmission, Gas Distribution, Gas Transmissi	\$ 276,433.44
27	10667	D.0002001.007.001.001	14.36%	49.05%	6.63%	29.96%	SailPoint Extension SW SPS-10667	# of security employees	\$ 273,205.24
28	10706	D.0002020.014.001.001	14.30%	45.32%	6.87%	33.51%	SAP Cont Improve R18 SW SPS-10706	Assets/Revenue/Employees w/o Xcel Energy, Inc	\$ 265,484.78
29	10595	D.0001826.161.001.001	10.22%	34.98%	6.84%	47.96%	Verint Workforce SW SPS	CRS 503	\$ 259,315.47
30	10699	D.0002090.004.001.001	14.41%	45.33%	6.95%	33.31%	IT Service Request SW SPS-10699	Assets/Revenue/Employees w Xcel Energy, Inc	\$ 246,023.33
31	10678	D.0001826.366.001.001	11.89%	54.33%	6.15%	27.63%	Microsoft Core Server SW SPS-10678	# of computers	\$ 243,226.84
32	10727	D.0002162.004.001.001	13.90%	50.30%	6.42%	29.38%	Microsoft Core Server SW SPS-10727	# of computers	\$ 241,868.57
33	10591	D.0001833.379.001.001	11.20%	58.79%	5.12%	24.89%	RedSky e911 SW SPS	# of phones, radios, computers	\$ 221,183.78
34	10694	D.0002098.004.001.001	14.56%	48.17%	6.78%	30.49%	CyberArk PAM SW SPS-10694	# of security employees	\$ 217,276.80
35	10717	D.0002001.014.001.001	14.56%	48.17%	6.78%	30.49%	Sailpoint Ph3 SW SPS-10717	# of security employees	\$ 211,606.72
36	10638	D.0001826.064.001.001	7.00%	36.00%	7.00%	50.00%	Mobile Application Customer SW	Number of customers excluding wholesale	\$ 198,628.18
37	10690	D.0002004.014.001.001	13.95%	41.22%	8.57%	36.26%	SAP Data Mart Ph2 SW SPS-10690	# of business objects users	\$ 195,304.84
38	10698	D.0002066.004.001.001	13.95%	41.22%	8.57%	36.26%	Bus Obj Ref SW SPS-10698	# of business objects users	\$ 170,644.41
39	10679	D.0001818.090.001.002	14.56%	48.17%	6.78%	30.49%	SIEM Extension SW SPS-10679	# of security employees	\$ 159,148.26
40	10686	D.0002008.004.001.001	14.41%	45.33%	6.95%	33.31%	Ent DataBase Security Ph2 SW SPS-10	Assets/Revenue/Employees w Xcel Energy, Inc	\$ 147,636.99
41	10700	D.0001796.025.001.001	12.39%	47.41%	8.09%	32.11%	Network Tools Mgmt SW SPS-10700	# of phones, radios, computers	\$ 141,841.42
42	10635	D.0001800.932.001.001	26.05%	36.38%	6.50%	31.07%	Automated Credit Mgmt SW SPS-10635	MWH Sold	\$ 141,448.38
43	10656	D.0001770.014.001.001	14.36%	49.05%	6.63%	29.96%	Secure File&Transfer Ph 2 SW SPS-10	# of security employees	\$ 132,997.99
44	10715	D.0001792.176.001.001	11.90%	54.33%	6.15%	27.63%	Rational SW SPS-10715	# of computers	\$ 123,014.88
45	10709	D.0001818.108.001.001	14.56%	48.17%	6.78%	30.49%	Emergency Mass SW SPS-10709	# of security employees	\$ 118,011.95
46	10671	D.0002007.004.001.002	14.36%	49.05%	6.63%	29.96%	Digital Signage SW SPS-10671	# of security employees	\$ 110,842.21
47	10668	D.0001804.376.001.001	14.36%	49.05%	6.63%	29.96%	EGRC Security Ph2 SW SPS-10668	# of security employees	\$ 105,074.28
48	10675	D.0002004.004.001.002	13.95%	41.22%	8.57%	36.26%	SAP Data Mart SW SPS-10675	# of business objects users	\$ 101,346.15
49	10664	D.0001833.821.001.001	10.98%	56.70%	6.55%	25.71%	DMZ Airwatch SW SPS-10664	# of computers	\$ 100,619.77
50	10676	D.0001763.014.001.002	14.41%	45.33%	6.95%	33.31%	ITSM Secure Ticket SW SPS-10676	Assets/Revenue/Employees w Xcel Energy, Inc	\$ 95,041.88
51	10663	D.0001839.814.001.001	10.98%	56.70%	6.55%	25.71%	DMZ Symantec SW SPS-10663	# of computers	\$ 86,390.36
52	10644	D.0001839.613.001.001	13.57%	33.99%	6.88%	45.56%	CRS CM SW SPS-10644	# of customer bills	\$ 83,307.47
53	10660	D.0001804.365.001.001	14.36%	49.05%	6.63%	29.96%	eGRC Security SW SPS-10660	# of security employees	\$ 83,226.55

Southwestern Public Service Company
Allocating Software Work Orders

Line No.	Allocating Work Order Number	SPS Associated Subledger	SPS Allocation Percentage	NSPM Allocation Percentage	NSPW Allocation Percentage	PSCo Allocation Percentage	Work Order Description	Allocation Method	SPS In-serviced Amount from July 1, 2017 to March 31, 2019
54	10611	D.00007244.035.001.001	14.12%	45.36%	34.07%	34.07%	Corporate Giving SW SPS	Assets/Revenue/Employees w/o Xcel Energy, Inc	\$ 79,319.41
55	N/A	D.00001838.101.001.001	100.00%	0.00%	0.00%	0.00%	RedSky P12 SW SPS Direct	None	\$ 74,366.87
56	10719	D.00002101.006.001.001	14.40%	6.78%	29.65%	29.65%	eCRC PH3 SW SPS-10719	# of security employees	\$ 71,327.94
57	10673	D.00002792.162.001.001	11.89%	54.33%	6.15%	27.63%	Informatica New Ver-10719	# of computers	\$ 59,746.16
58	10647	D.00001839.635.001.001	11.28%	38.81%	6.30%	43.61%	VMware Private Cloud SW SPS-10647	Average of a select set of software applications	\$ 59,522.57
59	N/A	A.00002062.001.001.001	100.00%	0.00%	0.00%	0.00%	GIST-II Computer SW - Phase 2	None	\$ 49,959.48
60	10393	A.0000245.003.001.001	21.00%	41.00%	10.00%	28.00%	SPS-11 Computer SW - Phase 2	Gross Electric Transmission	\$ 42,910.81
61	10666	D.00001818.094.001.001	11.28%	38.81%	6.30%	43.61%	Vulnerability AppSpider SW SPS-10666	Average of a select set of software applications	\$ 42,053.71
62	10695	D.00001826.381.001.001	7.05%	35.49%	6.69%	50.77%	Mobile App Ph2 SW SPS-10695	Number of customers excluding wholesale	\$ 25,337.78
63	10636	D.00001839.186.001.001	14.00%	50.00%	7.00%	29.00%	Mobile Computing Infra SW SPS	# of Employees	\$ 23,815.08
64	10643	D.00001839.606.001.001	13.57%	33.99%	6.88%	45.56%	CRS IVR SW SPS-10643	# of customer bills	\$ 23,721.08
65	10629	D.0000747.008.001.001	11.02%	57.99%	6.61%	24.41%	Data Loss Ph2 SW SPS	# of computers	\$ 21,882.13
66	10674	D.0000792.008.001.002	13.95%	41.22%	8.57%	36.26%	Data Warehouse Env Ref SW SPS	# of business objects users	\$ 21,105.28
67	10716	D.0000770.020.001.001	14.56%	48.17%	6.78%	30.49%	Sec File Ph3 SW SPS-10716	# of security employees	\$ 21,022.60
68	10703	D.00002034.004.001.001	7.05%	35.49%	6.68%	50.78%	CEC-TCIPA Do Not Call SW SPS-10703	Number of customers excluding wholesale	\$ 20,745.82
69	10670	D.0000783.017.001.002	14.36%	49.03%	6.63%	29.96%	WebSense SW SPS-10670	# of security employees	\$ 17,416.95
70	10739	D.00002182.004.001.001	14.44%	45.24%	6.95%	33.37%	Sharepoint RFP SW SPS-10739	Assets/Revenue/Employees w/o Xcel Energy, Inc	\$ 17,089.56
71	10665	D.00001818.077.001.001	11.28%	38.81%	6.30%	43.61%	Vulnerability NexPose SW SPS-10665	Average of a select set of software applications	\$ 16,812.24
72	10648	D.00001839.642.001.001	14.36%	49.03%	6.63%	29.96%	Network Security Protect SW SPS-106	# of security employees	\$ 14,215.62
73	10652	D.00001826.101.001.001	14.22%	45.02%	6.49%	34.27%	Matter Management SW SPS	Assets/Revenue/Employees w/o Xcel Energy, Inc	\$ 6,045.05
74	10322	A.0000245.003.001.002	23.00%	37.00%	11.00%	29.00%	GIST-II Computer SW - Phase 1	Gross Electric Transmission	\$ 2,789.90
75	10603	D.0000744.027.001.001	14.12%	45.36%	6.51%	34.07%	ITSM Ph4 SW SPS	Assets/Revenue/Employees w/o Xcel Energy, Inc	\$ 1,668.86
76	10557	D.0000755.007.001.001	13.45%	48.60%	6.70%	31.25%	Identity & Access Mgmt Sailpoint	# of security employees	\$ 1,106.38
77	10634	D.0000792.141.001.001	14.12%	45.29%	6.51%	34.07%	10634-eGRC NERC SW SPS	Assets/Revenue/Employees w/o Xcel Energy, Inc	\$ 1,080.35
78	10613	D.00001826.233.001.001	11.00%	36.97%	8.17%	43.86%	Solar Energy Grid SW SPS	Electric Distribution Plant	\$ 933.33
79	10576	D.0000770.007.001.001	12.21%	44.99%	6.20%	36.60%	Electronic Data SW SPS	552 - Security # of Employees	\$ 855.51
80	10637	D.00001804.369.001.001	14.00%	50.00%	7.00%	29.00%	Integrated Talent Ph4 SW SPS-10637	# of Employees	\$ 726.30
81	10621	D.0000744.004.001.001	16.34%	38.86%	8.04%	36.76%	Teradac HW SW SPS	# of business objects users	\$ 573.33
82	10563	D.0000761.007.001.001	13.44%	45.10%	6.28%	35.18%	Database Security SW SPS	Assets/Revenue/Employees w/o Xcel Energy, Inc	\$ 232.84
83	10539	D.0000748.007.001.001	11.02%	57.97%	6.61%	24.41%	Corp Email SW SPS	Number of Computers	\$ 206.01
84	10524	D.0000744.014.001.002	13.23%	44.73%	6.36%	35.68%	Powerplant Upgrade SW (Ph 2) SP	516-Powerplant: Total Assets	\$ 172.06
85	10642	D.00001822.036.001.001	14.40%	35.53%	8.85%	41.22%	ID China Network SW SPS-10642	Electric Distribution, Electric Transmission, Gas Transmission	\$ 3.23
86	10522	D.0000743.007.001.001	18.25%	43.30%	9.45%	29.00%	Upgrade IEE 5.3 to IEE 8.1 SW	average of large C&I Customers	\$ (98.94)
87	10561	D.0000759.007.001.001	16.46%	39.79%	9.84%	33.91%	Fleet Focus SW SPS	# of vehicles	\$ (140.06)
88	10573	D.0000767.007.001.001	13.95%	49.67%	6.52%	29.86%	Self Service and PAF SW SPS	# of Employees	\$ (589.84)
89	10649	D.00001815.043.001.001	10.70%	35.24%	6.67%	47.39%	Renewable Energy SW SPS-10649	CRS 503	\$ (617.31)
90	10616	D.00001826.241.001.001	16.34%	38.86%	8.04%	36.76%	SAP BI Suite SW SPS	# of business objects users	\$ (785.59)
91	10556	D.0000754.007.001.001	13.45%	48.60%	6.70%	31.25%	Identity & Access Mgmt QAS SW	# of security employees	\$ (1,319.61)
92	10513	D.0000741.007.001.001	13.44%	45.10%	6.28%	35.18%	Data Quality Tool SW SPS	Assets/Revenue/Employees w/o Xcel Energy, Inc	\$ (1,623.33)
93	10605	D.00001826.211.001.001	30.00%	32.00%	17.00%	21.00%	ITSA Pole Ph3 SW SPS	Miles of Transmission Line	\$ (2,569.60)
94	10658	D.00001804.351.001.001	15.28%	36.67%	8.05%	40.00%	SAP Fin Data Maint SW SPS-10658	# of business objects users	\$ (6,750.54)
							Grand Total - Software Additions		\$ 46,455,311.23

Notes: Allocating work orders shown include only those with in service activity from 7/1/2017 through 3/31/2019 where the construction was included in rate base.

All subledger project numbers listed represent Southwestern Public Service Co. Projects.

Projects allocated 100% to Southwestern Public Service Co. do not have allocating work order numbers and allocation methods.

Southwestern Public Service Company

Example of Software Allocated Charge Processing

Charges Into Service Company	Company Cd	Posting Acct Desc	Amount
	50	CWIP Contract Labor	\$ 100,000.00
	50	CWIP Consult/Prof Svcs-Other	50,000.00
			\$ 150,000.00

Subledger/Company Code Key:	
Code:	Company
50	XES
10	NSP-MN
11	NSP-WI
12	PSCO
13	SPS

Charges OUT of Service Company and INTO Affiliates Based on Allocator Rules	Company Cd	Posting Acct Desc	Amount	Allocation %
	50	CWIP Contract Labor	\$ (100,000.00)	
	50	CWIP Consult/Prof Svcs-Other	(50,000.00)	
	10	CWIP Contract Labor	44,830.00	44.83%
	11	CWIP Contract Labor	5,870.00	5.87%
	12	CWIP Contract Labor	36,740.00	36.74%
	13	CWIP Contract Labor	12,560.00	12.56%
	10	CWIP Consult/Prof Svcs-Other	22,415.00	44.83%
	11	CWIP Consult/Prof Svcs-Other	2,935.00	5.87%
	12	CWIP Consult/Prof Svcs-Other	18,370.00	36.74%
	13	CWIP Consult/Prof Svcs-Other	6,280.00	12.56%
			\$ -	

10524 Allocator Rules				
PowerPlan SW SPS				
Allocation Based on PowerPlant; Total Assets				
NSP-MN	NSP-WI	PSCo	SPS	Total
44.83%	5.87%	36.74%	12.56%	100%

Note: Numbers are not actual charges to allocating work orders. They are hypothetical charges to illustrate the allocation process from service company to the affiliates.