BEFORE THE NEW MEXICO PUBLIC REGULATION COMMISSION

IN THE MATTER OF SOUTHWESTERN PUBLIC SERVICE COMPANY'S APPLICATION FOR: (1) REVISION OF ITS RETAIL RATES UNDER ADVICE NOTICE NO. 312; (2) AUTHORITY TO ABANDON THE PLANT X UNIT 1, PLANT X UNIT 2, AND CUNNINGHAM UNIT 1 GENERATING STATIONS AND AMEND THE ABANDONMENT DATE OF THE TOLK GENERATING STATION; AND (3) OTHER ASSOCIATED RELIEF,	)	**CASE NO. 22-00286-UT**
SOUTHWESTERN PUBLIC SERVICE COMPANY,	)	
APPLICANT.	)	

DIRECT TESTIMONY

of

MICHAEL O. REMINGTON

on behalf of

SOUTHWESTERN PUBLIC SERVICE COMPANY

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GLOSSARY OF ACRONYMS AND DEFINED TERMS

Acronym/Defined Term	Meaning
Adjusted Base Period	Base Period adjusted for known and measurable changes and regulatory requirements
ADMS	Advanced Distribution Management System
AGIS	Advanced Grid Intelligence & Security
AMI	Advanced Metering Infrastructure
API	Application Programing Interface
APM	Asset Performance Management
Base Period	July 1, 2021 through June 30, 2022
CFM	Corporate Financial Model
CIAM	Customer Identity and Access Management
CIP	Critical Infrastructure Protection
CLE	Continuing Legal Education
Commission	New Mexico Public Regulation Commission
CRM	Customer Relationship Management
CRS	Customer Response System
CXT	Customer Experience Transformation
DEMS	Dynamic Energy Management Systems
DER	distributed energy resources

Acronym/Defined Term	Meaning
DUC	Doble Universal Controller
ECC	Enterprise Command Center
EMS	Energy Management System
ESB	Enterprise Service Bus
FERC	Federal Energy Regulatory Commission
Future Test Year Period	July 1, 2023 through June 30, 2024
GOLD	Global Outdoor Lighting Database
HR	Human Resources
IT	Information Technology
IT INFS	Information Technology Infrastructure and Network Services
LAN	Local area network
LFCM	Lifecycle Management
Linkage Period	July 1, 2022 through June 30, 2023
LMR	Land Mobile Radio
MSBA	Minnesota State Bar Association
NERC	North American Electric Reliability Corporation
OMS	Outage Management System

Acronym/Defined Term	Meaning
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
OT	Operating technology
PI	Process integration
SASE	Secure Access Service Edge Enhancement
SCADA	Supervisory Control and Data Acquisition
SD-WAN	software-defined wide area network
SIEM	Security Information and Event Monitoring
SOAR	Security Orchestration, Automation, and Response
SPS	Southwestern Public Service Company, a New Mexico corporation
SSO	Single Sign-on
TIG	Technology Investment Governance
Total Company	SPS total company costs before jurisdictional allocation
TWR	Transmission Work Request
UI	Utilities International
VoIP	Voice Over Internet Protocol
WAN	wide area network

Acronym/Defined Term	Meaning
WBS	Work Breakdown Structure
Xcel Energy	Xcel Energy Inc.
XES	Xcel Energy Services Inc.

LIST OF ATTACHMENTS

Attachment	Description
MOR-1	Total Company Amounts and Jurisdictional Percentages (*Filename:* MOR-1.xlsx)
MOR-2	Capital Additions Closed to Plant-in-Service for the Base Period of July 1, 2021 through June 30, 2022 (*Filename:* MOR-2.xlsx)
MOR-3	Capital Additions Closed to or Expected to be Closed to Plant-in-Service for the Linkage Period of July 1, 2022 through June 30, 2023 (*Filename:* MOR-3.xlsx)
MOR-4	Capital Additions Expected to be Closed to Plant-in-Service for the Future Test Year Period of July 1, 2023 through June 30, 2024 (*Filename:* MOR-4.xlsx)
MOR-5	Comparison of Capital Additions Closed to Plant-in-Service in the Base Period with the Capital Additions Planned to be Closed to Plant-in-Service in the Future Test Year Period (*Filename:* MOR-5.xlsx)
MOR-6	Technology Services O&M Expenses by Business Area, FERC Account, and Cost Element (*Filename:* MOR-6.xlsx)

Case No. 22-00286-UT
Direct Testimony
of
Michael O. Remington

I. WITNESS IDENTIFICATION AND QUALIFICATIONS

Q. Please state your name and business address.

A. My name is Michael O. Remington. My business address is 414 Nicollet Mall, Minneapolis, Minnesota 55401.

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

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

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

A. I am employed by Xcel Energy Services Inc. ("XES"), the service company subsidiary of Xcel Energy, as Regulatory Director, Technology Services Advanced Grid.

Q. Please briefly outline your responsibilities as Regulatory Director, Technology Services Advanced Grid.

A. As Regulatory Director, Technology Services Advanced Grid, I lead a team of professionals who are responsible for managing major incidents, monitoring Information Technology ("IT") infrastructure and applications, disaster recovery planning, and operating several core IT service management processes. In this

testimony I represent the XES Technology Services organization, which performs Xcel Energy's shared IT functions. The key types of activities performed by Technology Services include all enterprise application development and maintenance, management of IT infrastructure, data center operations and architecture, and IT governance.

Q. Please describe your educational background.

A. I hold Bachelor of Arts degree from the University of Minnesota with a major in Political Science and a Juris Doctorate from the Mitchell Hamline School of Law.

Q. Please describe your professional experience.

A. I have over 24 years of experience in the field of IT. I joined Xcel Energy in July 2008, after almost eight years at IBM Global Services where I filled IT roles under contract for Xcel Energy. I began my career at Xcel Energy as a Senior Manager of IT Service Management and served in that position continuously for 11 years. My team was responsible for the administration of core IT service management processes (change, problem, request fulfillment, configuration, and asset management). We also ensured compliance and audit readiness for several North American Electric Reliability Corporation ("NERC") regulatory standards and Sarbanes-Oxley Act of 2002 controls. From October 2013 to January 2015, in

addition to my role as Senior Manager of IT Service Management, I served on temporary assignment in the General Counsel organization where I practiced law on behalf of Xcel Energy, including transactional work and equal employment opportunity and safety investigations. During July 2019 to January 2021, I served as Director of IT Operations. In that role, I was responsible for managing major incidents, monitoring IT infrastructure and applications, disaster recovery planning, and managing several core IT service management processes. In February 2021, I assumed the position of Regulatory Director, Technology Services Advanced Grid; my current position. In my current position I am responsible for regulatory filings and related activities in the advanced grid initiative. I am also the Technology Services witness for rate cases, certificates of public convenience and necessity, and other filings across several jurisdictions.

Q. Have you attended or taken any special course or seminars relating to public utilities?

A. Yes. I have attended several Continuing Legal Education ("CLE") courses on topics related to public utilities and energy generally. Topics include the Public Utility Regulatory Policies Act, federal energy policy, energy and eminent domain, and regulatory models for regulated utilities. I have also presented CLEs, including

Critical Infrastructure Protection - Cyber Security and the Bulk Electric System, and presented to the Mid-Continent Compliance Forum on *Tailoring Enterprise Incident Management for CIP Compliance*.

Q. Are you a member of any professional organizations?

A. Yes. I am a member of the Minnesota State Bar Association ("MSBA"), where I serve on the Technology Law Section Council, and I am a former chair of the Legal Technology Committee. I am also a member of the MSBA Public Utilities Law Section Council.

Q. Have you previously provided testimony before a regulatory commission?

A. Yes. I submitted prefiled written testimony before the New Mexico Public Regulation Commission ("Commission") in Case No. 20-00238-UT and No. 22-00178-UT. I also submitted prefiled written testimony before the Public Utility Commissions of Texas (Docket Nos. 51802 and 52451), Colorado (Docket No. 22-AL-0046), and Minnesota (Docket No. GR-21-630).

II. ASSIGNMENT AND SUMMARY OF TESTIMONY AND RECOMMENDATIONS

Q. What is your assignment in this proceeding?

A. I first present the Technology Services capital investment associated with the Base Period from July 1, 2021 through June 30, 2022; the Linkage Period from July 1, 2022 through June 30, 2023; and the Future Test Year Period from July 1, 2023 through June 30, 2024. SPS is requesting to include $70,296,179 New Mexico retail ($204,713,866 Total Company) in rate base for Technology Services capital additions. The vast majority of the Technology Services capital projects I address are projects that are implemented across Xcel Energy and affect all of the Xcel Energy Operating Companies,[1] including SPS. I explain why these investments are reasonable and necessary for the provision of utility service. In particular:

1. I explain how Technology Services capital projects are ranked, estimated, selected for funding, and managed; and

2. I present the major Technology Services capital additions from July 1, 2021 through June 30, 2024, with separate attachments showing: (1) cost data for the capital additions that closed to plant-in-service during the Base Period, (2) cost data for the capital additions that have closed or are expected to close to plant-in-service during the Linkage Period,

[1] Xcel Energy Operating Companies include Northern States Power Company, a Minnesota corporation; Northern States Power Company, a Wisconsin corporation; Public Service Company of Colorado, a Colorado corporation; and SPS.

and (3) cost data for the capital additions that have closed or are expected to close to plant-in-service during the Future Test Year.

Next, I discuss the overall O&M expenses for the Technology Services organization for the Base Period and Adjusted Base Period, Linkage Period, and Future Test Year Period. I explain that the O&M expenses are reasonable and necessary to support the electric service SPS provides to its New Mexico retail customers and are representative of future costs.

Q. Please summarize your testimony and recommendations.

A. The total amount of investment associated with projects placed in service during the Base Period is $20,831,156 New Mexico retail ($64,220,612 Total Company), the investment placed into service or to be placed in service during the Linkage Period is $26,372,380 New Mexico retail ($74,904,271 Total Company), and the investment to be placed in service during the Future Test Year Period is $23,092,643 New Mexico retail ($65,588,983 Total Company). These costs were or will be prudently incurred and consist of reasonable and necessary capital projects related to software, hardware, systems and related technology infrastructure investments, and cyber security solutions that support Xcel Energy's business operations, including those of SPS. These investments are necessary to

maintain existing IT systems and infrastructure, to replace aging technology, and to deploy efficiency solutions that enable the organization to continue to provide customers with high levels of service. The investments are also needed to prevent threats to the security of the IT systems. As such, I recommend the Commission approve the reasonableness and prudence of the Technology Services capital investments I discuss in this testimony.

SPS's Future Test Year Technology Services business area O&M expenses are reasonable and necessary to support the electric service SPS provides to its New Mexico retail customers and are representative of SPS's future costs. These services, which include application development and maintenance, software licensing and maintenance, hardware maintenance and purchase, and network services, are necessary for SPS to provide electric service to its customers. These services allow SPS to ensure safe and reliable service for customers while ensuring Technology Services supports utility operations and responds to ever-changing technological needs. SPS's standard practice includes efforts to manage and minimize related O&M expense. I also recommend that the Commission approve the Technology Services O&M costs I support in this testimony.

Q. How were New Mexico retail jurisdictional amounts in your testimony and attachments calculated?

A. Throughout this testimony, I quantify expense and asset amounts on a New Mexico retail basis based on the jurisdictional allocation percentages that SPS witness Stephanie N. Niemi uses to develop the New Mexico retail revenue requirement in her Attachments SNN-2 and SNN-6 for the Base Period and Future Test Year, respectively. Ms. Niemi is responsible for calculating jurisdictional allocation percentages that apply to the various components in the cost of service. I conferred with Ms. Niemi to determine the New Mexico retail jurisdictional amounts presented in my testimony and attachments. If the percentages used to allocate amounts to the New Mexico retail jurisdiction change, those new allocation percentages will need to be applied to the Total Company numbers to derive updated New Mexico retail amounts. Attachment MOR-1 contains the Total Company numbers and the jurisdictional percentages used to derive the New Mexico retail amounts in my testimony.

Q. Were Attachments MOR-1 through MOR-6 prepared by you or under your direct supervision and control?

A. Yes. Attachment MOR-1, as discussed above, was prepared under my supervision and includes jurisdictional percentages calculated by Ms. Niemi and her staff.

Attachments MOR-2 through MOR-5 were prepared by my staff in conjunction with SPS witness Mark P. Moeller and his staff, and the information in Attachments MOR-2 through MOR-5 is also included in Mr. Moeller's Attachments MPM-3 through MPM-6. Attachment MOR-6 was prepared under the supervision of Ms. Niemi and represents a portion of the cost of service provided in Ms. Niemi's direct testimony, Attachment SNN-10. I have reviewed each of the attachments to my direct testimony and believe them to be accurate.

III. TECHNOLOGY SERVICES CAPITAL INVESTMENT

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

A. In this section of my testimony, I will describe Technology Services capital investment and support the reasonableness and necessity of this investment during the Base Period,[2] Linkage Period, and Future Test Year Period.[3] In Sections III.C, III.D, and III.E of my direct testimony, I describe the relevant elements of cost for each of the pertinent time periods for the Technology Services cost center. I also explain the variances between Base Period and Future Test Year Period investment.

A. Overview of Technology Services Capital Investment

Q. Please generally describe the Technology Services organization and the work Technology Services performs to support SPS's operations.

A. The Technology Services organization within XES performs Xcel Energy's shared IT functions across all Operating Companies, including SPS. The key types of activities include all enterprise application development and maintenance,

[2] The term "Base Period" is defined in the Future Test Year Period Rule as "a historical 12-month period terminating (1) at the end of a quarter and (2) no earlier than 150 days prior to filing." 17.1.3.7(B) NMAC.

[3] The term "Future Test Year Period" is defined in the Future Test Year Period Rule as "a 12-month period beginning no later than the date the proposed rate change is expected to take effect." 17.1.3.7(G) NMAC.

management of IT infrastructure, data center operations and architecture, and IT governance—all of which SPS needs to provide safe and reliable electric service to its New Mexico customers.

Q. What are the key drivers of Technology Services capital investment?

A. There are four key drivers to IT investments: evolving cyber security threats, replacing aging technology, enhancing customer experience, and evolving business requirements. Technology Services has made significant capital investments over the past few years and expects that this level of investment will continue for the next several years as necessary improvements are made to serve these four objectives.

Q. How does Technology Services determine when an existing application or system needs to be replaced or upgraded?

A. Technology Services works with each of the business areas and Operating Companies to identify short- and long-term technology needs. The needs typically are greater than the organization's ability to fund them, so Technology Services evaluates and prioritizes any proposed Technology Services investment. Technology Services strives to maximize technology investment value by

maintaining existing systems until the risk and costs associated with keeping aging technologies in place outweigh the benefits.

Q. How does Technology Services create their budget and prioritize investments?

A. Technology Services' budget development, project prioritization, and project management leverages an established Technology Investment Governance ("TIG") process. As part of the TIG process, key business and IT leaders are accountable for managing demand intake, prioritization, and business outcomes of the IT projects in their portfolios as they move from project inception towards in-service, thereby ensuring that projects comply with IT portfolio and project management requirements. TIG leadership is comprised of executive level and senior business leaders in a partnership with IT leadership. IT works with each Business Area to determine its specific IT needs, and needs are prioritized based on a particular set of factors. Specifically, each Technology Services area is responsible for partnering with a specific Business Area within the organization to determine that area's long-term strategic objectives and identify whether IT investments can enable achievement of those objectives. In turn, these priorities are converted into a proposed Technology Services budget. The TIG process also oversees and approves any changes in project scope or budget at the corporate level based on overall SPS priorities and spending levels.

From the idea stage, project ideas are grouped and evaluated, ranked, and selected based on a common set of filters. This process weighs a multitude of criteria including: (1) the financial and non-financial benefits of a project, (2) the potential for other existing technologies to address the business need, and (3) the degree to which the project is needed to meet regulatory requirements or to ensure system reliability and security. This categorization process allows Technology Services to evaluate the benefits and risks associated with each project idea and results in a list of ranked project ideas.

Under the TIG process, SPS reviews the ranked project ideas to determine which projects should be implemented and included in the Technology Services budget. This process requires further refinement of the budget figures for each project and prioritization of possible projects until a final budget is set.

Q. How do legal requirements affect the ranking and selection of capital projects to be funded?

A. Legal requirements are built into the categories discussed above and also affect the ranking of capital projects. Legal requirements that affect the ranking include environmental requirements, recent system stability, and future regulatory demands. For example, the NERC Critical Infrastructure Protection ("CIP")

Standards CIP-002 through CIP-014 require that SPS and Xcel Energy comply with physical and cyber security controls designed to protect critical infrastructure. When there are legal requirements that affect capital projects, their ranking is prioritized in the capital budget.

Q. How does SPS ensure that Technology Services capital additions provide the intended benefits?

A. During the proposal process of each project, key success metrics based on the category of the project are identified. These success metrics are reviewed during project execution and at the close of the project. The sponsor of the project is responsible for measuring and tracking the applicable economic, operational, staffing, regulatory compliance, and any other benefits derived from the project. These formal reviews help the sponsor stay on track for delivery and attain the project benefits.

Q. Please generally describe how Technology Services develops cost estimates for proposed capital additions.

A. When a Technology Services project is in the initial stages of planning, we develop cost and schedule estimates based on internal experience with similar implementations. We then utilize a competitive bid process to ensure that Xcel

Energy receives quality service at a fair price, that business value is delivered according to the agreed requirements, and that costs remain in line with the approved budget.

Q. Please explain how Technology Services capital costs are managed during a specific project.

A. After the estimates are developed, all projects follow a project flow process that requires reviews and approvals at the budget, management, senior management, and executive levels. After these approvals, projects are reviewed on a monthly basis to compare the monthly budget to actual expenditures. Accordingly, on a monthly basis, Technology Services evaluates deviations to determine whether costs are appropriate. In addition, Technology Services develops action plans to mitigate variations in actual to budgeted expenditures. These mitigation plans may either reduce or delay other expenditures to support the overall authorized budget. If authorized budget adjustments are required, they are identified and approved at an appropriate level of management.

B. Presentation of Technology Services Capital Investment Data

Q. Please explain what you mean when you refer to Technology Services as a "cost center."

A. The Future Test Period Rule defines the phrase "cost center" to mean the department, division, or organizational grouping of departments or divisions at which operating expense planning and evaluation takes place.[4] The Technology Services organization within XES meets this definition.

Q. You also stated that you will be identifying "elements of cost" in subsequent sections of your testimony. What is an "element of cost"?

A. The Future Test Year Period Rule defines "elements of cost" as being types of cost, such as labor, materials, outside services, contract costs, important clearings, and all other types of costs combined as one category.[5]

Q. Are you supporting the elements of cost for the Technology Services cost center?

A. Yes. I am quantifying the capital investment elements of cost for the Base Period, Linkage Period, and Future Test Year Period for Technology Services. SPS witness

[4] 17.1.3.7(C) NMAC.

[5] 17.1.3.7(F) NMAC.

Mark P. Moeller and his staff have quantified the elements of cost for the various periods and have provided those elements of cost to me.

Q. You testified earlier that you will be describing any variance between the Base Period and the Future Test Year period balances. Was this variance a "material variance" as that term is defined in the Future Test Year Rule?

A. No. For investor-owned electric utilities such as SPS, the Future Test Year Period Rule defines "material change" or "material variance" as a change or variance in cost between the Adjusted Base Period[6] and the Future Test Year Period for a cost center that exceeds 6% and $100,000 on a total company basis, assuming budget estimates are being used.[7] As discussed later in my testimony, budget estimates were used to determine Linkage Period and Future Test Year Period balances, and the variance from Base Period to Future Test Year Period for the Technology Services cost center capital investment did not meet this criteria.

[6] To determine variances for capital investment, SPS compared Base Period (rather than Adjusted Base Period balances) balances to Future Test Year balances because there were not adjustments made to Base Period balances.

[7] 17.1.3.7(J) NMAC.

Q. Are you presenting the capital investment information for Technology Services in the Base Period, Linkage Period, and Future Test Year Period by Federal Energy Regulatory Commission ("FERC") account?

A. Yes. The Future Test Year Period Rule requires that information be presented by FERC account,[8] and I have complied with that rule. Mr. Moeller and his staff provided me with the information by FERC account.

Q. Are you presenting the capital investment information for Technology Services on both a Total Company and New Mexico jurisdictional basis, as required by Rule 17.1.3.12(E)?

A. Yes. My testimony and attachments provide both Total Company[9] and New Mexico jurisdictional amounts.

C. Base Period Capital Investment

Q. What is the Base Period for purposes of this case?

A. The Base Period for purposes of this case is the twelve-month period ending June 30, 2022.

[8] 17.1.3.15 NMAC.

[9] The term "Total Company" means the costs of the utility's total operation without regard to jurisdiction. 17.1.3.7(L) NMAC.

Q. How much capital did Technology Services place in service during the Base Period?

A. During the Base Period, Technology Services placed $20,831,156 of capital investment in service on a New Mexico jurisdictional basis ($64,220,612 Total Company). Attachment MOR-2 lists the Technology Services capital investments placed in service during the Base Period.

Q. What elements of cost are encompassed within the capital investment that Technology Services placed in service during the Base Period?

A. The elements of cost are primarily capitalized labor, materials and supplies, outside contractor costs, and other types of costs. Capitalized labor costs can include both native SPS costs and affiliate costs. The tab labeled "Remington By Proj Cost Element" in Attachment MOR-2 identifies the elements of cost for the assets that Technology Services placed in service during the Base Period. Please refer to Columns H-K of that tab.

Q. Has SPS adjusted the Base Period capital investment to arrive at Adjusted Base Period amounts?[10]

A. No. No adjustments were made to the Technology Services Base Period capital investment amounts.

Q. Have you prepared a list of SPS's requested Technology Services capital additions closed to plant-in-service during the Base Period?

A. Yes. My Attachment MOR-2 lists SPS's Technology Services capital additions for the Base Period. Attachment MOR-2 contains the information listed in Table MOR-1:

Table MOR-1
Information Contained in Attachment MOR-2

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 —	Work Breakdown Structure ("WBS") Level 2 Number	Provides the WBS Level 2 number for the project.

[10] The "Adjusted Base Period" means a utility's Base Period that includes fully explained annualizations, normalizations, and adjustments for known and measurable changes and regulatory requirements that occur within the Base Period. 17.1.3.7(A) NMAC.

Column E —	Project Description (WBS Level 2 Description)	Provides a short title for the WBS Level 2 number for the project.
Column F —	In-Service Date	Provides the in-service date of the WBS Level 2 number of the project.
Column G —	Additions to Plant-in-Service Base Period Total Company	Provides the Total Company dollar amount for the plant additions for the period July 1, 2021 through June 30, 2022.
Column H —	Additions to Plant-in-Service Base Period NM Retail	Provides the New Mexico retail dollar amount for the plant additions for the period July 1, 2021 through June 30, 2022.

Q. Please describe the types of Technology Services capital additions closed to plant-in-service during the Base Period.

A. As shown in Table MOR-2, the capital additions for the Base Period fall within the following categories: Aging Technology, Enhance Capabilities, Cyber Security, Advanced Grid Intelligence & Security ("AGIS"), and Customer. Technology Services investments are primarily enterprise-wide systems that are used by all of the Operating Companies, including SPS.

Table MOR-2
Technology Services Capital Investment
for the Base Period

Project Category	New Mexico Retail	Total Company
Aging Technology	$8,243,482	$25,413,927
Enhance Capabilities	$3,725,038	$11,483,963
Cyber Security	$1,098,338	$3,386,080
AGIS	$4,797,539	$14,790,388
Customer	$2,966,758	$9,146,254
Total	**$20,831,156**	**$64,220,612**

Q. Please describe the types of projects included in the "Aging Technology" category.

A. This category of investment includes projects that were necessary to upgrade or replace aging software, hardware, systems, and related technology infrastructure, which are required to ensure efficient and reliable business operations. This category of investment includes upgrades of the critical systems that are used across Xcel Energy such as desktop operating systems, productivity suites, and other infrastructure systems used throughout the organization. For example, capital additions in this category include planned replacements and upgrades of computer hardware platforms (e.g., desktop computers and laptops, mobile data terminals),

radio and microwave systems, network components, and applications. This category also includes projects related to software license renewals and expanded licensing for existing software. The total investment in this category amounts to $8,243,482 on a New Mexico retail basis ($25,413,927 Total Company) during the period. Major projects included in this category are as follows:

- **WAN SPS - $1,550,360 NM retail ($4,779,621 Total Company)** (WBS Level 2 No. D.0002014.014, D.0002014.015, D.0002014.016). The Wide Area Network ("WAN") SPS project includes network infrastructure investments to support connection between Xcel Energy's various locations and data centers—it provides the pathway to enable critical business services while improving resiliency. The majority of the investments are in support of providing services for our business and substations, including the Supervisory Control and Data Acquisition ("SCADA") connectivity for monitoring and control of the grid. This was accomplished by deploying circuits, routers, switches, firewalls and wireless infrastructure, and therefore enabling the operations of the business through new and/or enhanced connectivity.

- **LFCM – OT Modernization - $1,545,452 NM retail ($4,764,493 Total Company)** (WBS Level 2 No. D.0002488.008). Lifecycle Management ("LFCM") projects are annual refreshes to manage the life cycles of various technologies. This project relates to operating technology ("OT") specific devices, such as uninterrupted power supply remediations and battery replacements.

- **LFCM – End User Enablement - $835,996 NM retail ($2,577,301 Total Company)** (WBS Level 2 No. D.0002482.008). This LFCM project relates to end user devices, such as printers, laptops, and tablets.

- **TWR Replacement - $513,607 NM retail ($1,583,405 Total Company)** (WBS Level 2 No. D.0002078.007). The two current systems used for outage coordination, Transmission Work Request ("TWR") and Operator

Log, reached end-of-life. This project selected and implemented a single, integrated replacement solution supporting current and future outage coordination planning and performance needs.

- **ServiceNow - $493,218 NM retail ($1,520,547 Total Company)** (WBS Level 2 No. D.0002366.006). This project implemented a new service management tool supporting major IT workflows, such as incident management, problem management, change management, asset management, and request management, including a service catalog and request portal.

- **IT INFS Network Refresh - $388,347 NM retail ($1,197,240 Total Company)** (WBS Level 2 No. D.0002356.004). The Information Technology Infrastructure and Network Services ("IT INFS") project provided for the replacement of local area network ("LAN") and WAN components across SPS. Network components are replaced to ensure continued network reliability, to meet NERC communication requirements, to reduce safety concerns, and to minimize future replacement costs.

- **VoIP Refresh - $315,385 NM retail ($972,305 Total Company)** (WBS Level 2 No. D.0002106.007). This project upgraded technologies for the delivery of voice communications over the Internet. This refresh project represents both replacing legacy communications systems and upgrading to more modern Voice over Internet Protocol ("VoIP") communication systems.

- **Kafka Data Streaming - $250,674 NM retail ($772,806 Total Company)** (WBS Level 2 No. D.0002367.004). Kafka integrations include data streaming that allows SPS to stream data in real-time from our source system applications to make them available for analytics and application builds. This project enables data streaming and significantly improves accessibility of data from major enterprise applications, such as Customer Response System ("CRS") and our enterprise resource planning software, SAP.

- **Facility IT Investment - $221,492 NM retail ($682,841 Total Company)** (WBS Level 2 No. D.0002021.004 D.0002021.015). This project updated

facility IT investments of new and modified offices, including construction of main distribution frames, intermediate distribution frames, cabling to connect workstations and phones, deployment of wireless access points, and the installation of routers, switches and/or firewalls to secure the site.

- **SAP Continuous Improvement - $220,001 NM retail ($678,244 Total Company)** (WBS Level 2 No. D.0002020.022 D.0002020.028 D.0002020.034 D.0002020.042 D.0002020.046). This project built upon the existing Enterprise Resource Plan system by delivering new functionality and refreshes to specific areas of application. This release included updates for operational reporting, automated testing, and scheduling.

- **Integration Resiliency - $206,580 NM retail ($636,869 Total Company)** (WBS Level 2 No. D.0002409.006). This project updated the end-of-life enterprise service bus environment and integrations. This project ensured that critical interfaces continue to operate without interruption or impact to our business users.

- **NMS 2.X Upgrade Project - $203,017 NM retail ($625,884 Total Company)** (WBS Level 2 No. D.0002107.010). The Outage Management System ("OMS") is the enterprise solution for the electric trouble distribution control center's outage event management. OMS is critical to outage restoration and generally critical to SPS's operations. Technology Services and Distribution Operations leadership has affirmed that the OMS, with its mission critical role, must be on a vendor supported application version. The current version of Oracle Network Management Software ("NMS") ran out of extended support in December 2021. To ensure the OMS remained on a vendor supported version, this project upgraded NMS to a more recent version, which was a technical upgrade and does not include any customizations or extensive reconfigurations.

- **PI for Wind Farms - $201,705 NM retail ($621,839 Total Company)** (WBS Level 2 No. D.0002286.012 D.0002286.008). The process integration ("PI") system collects and manages high resolution operational data from wind turbines and power farms to help with accurate wind and load forecasts. This project acquired OSISoft software licenses to be used

at wind farms to provide operational data collection, insights and analytics. In addition, new GE Smart Signal software was deployed to provide diagnostic insights for wind generation at the Energy Supply Monitoring and Diagnostic Center.

- **F5 Renewal - $181,700 NM retail ($560,165 Total Company)** (WBS Level 2 No. D.0002370.010). The current F5 hardware reached end-of-life and the physical appliances were replaced to remain in vendor support and run efficiently. The upgrade to new hardware allowed SPS to continue to focus on the delivery, security, performance, and availability of web applications, as well as the availability of servers, data storage devices, and other networking components.

- **Oracle Exadata Refresh – $163,768 NM retail ($504,883 Total Company)** (WBS Level 2 No. D.0002340.004). This project updated the end-of-life hardware that provides users with functionality of databases.

- **Upgrade Corporate Financial Model - $157,300 NM retail ($484,941 Total Company)** (WBS Level 2 No. D.0002329.006). The Corporate Financial Model ("CFM") is a module of the Utilities International ("UI") Planner platform and is utilized to generate financial forecasts. The existing version of CFM was no longer supported by UI in early 2021; this project upgraded CFM to a new version, making it consistent with UI's other components. With this upgrade, SPS implements shared tables to more closely tie the CFM to the Regulatory Information System. In addition, the original CFM was redesigned and updated. This project also added and implemented UI's PlannerDash and the Analytics Package. With this project, there is more consistent data between modules, which needs less reconciliation effort and has better analytics.

- **Technology License - $150,051 NM retail ($462,592 Total Company)** (WBS Level 2 No. D.0002153.008). Xcel Energy purchased additional licenses to support new and increasing business demand for common systems, such as Microsoft, VMWare, and Oracle, with users usually not tied to specific projects. Updating software licenses ensures that systems are not over-purchased and are running up-to-date, licensed software, which decreases support costs and increases SPS's cyber security profile.

Combined, these projects account for 92% of the total capital additions in this category. The remaining projects are similar in nature in that they were necessary to repair or replace aging technology, which is essential to ensuring efficient and reliable business operations that support SPS's provision of electric service.

Q. Please describe the types of projects included in the "Enhance Capabilities" category.

A. This category of projects includes the implementation of new software, upgrades to existing software systems, and necessary hardware upgrades to support software investments. These investments are needed to enhance production and training environments to meet regulatory requirements, efficiently manage assets, improve project management and workflow, enable continued system stability, meet evolving legal and compliance requirements, maintain and improve business operations, and protect SPS and Xcel Energy information. These investments impact many of the operational functions of Xcel Energy including power plants, transmission operations, facility management, IT operations management, construction project management, and customer care needs. The total investment in this category amounts to $3,725,038 New Mexico retail ($11,483,963 Total

Company) during the period. Major projects included in this category are as follows:

- **Digital Operations Factory - $1,211,844 NM retail ($3,736,007 Total Company)** (WBS Level 2 No. D.0002395.010). Digital Operations Factory is a data and analytics platform enabling SPS to make better use of available data to enhance both customer interactions and core operational processes. This project delivered a secure platform for each of the following capabilities: reusable data lake, common integrations, analytics workbench, mobile platforms, dashboard framework, and artificial intelligence models, eventually enabling predictive modeling, real time scheduling systems, operations work management, routing and screen of data, work dashboards, and profiles.

- **Avaya Cloud Voice Deployment - $839,260 NM retail ($2,587,364 Total Company)** (WBS Level 2 No. D.0002283.004, D.0002283.012). This project transitioned SPS to an Internet Protocol-based voice telephone system that provides greater flexibility and enhanced user features over the current system for both employees and customers. This new telephone system is cloud based, which reduces on-premises IT infrastructure. It also modernizes and improves telephone services by upgrading communications features that allow for better collaboration among employees and replaces and upgrades SPS's existing voicemail system with Microsoft. The new telephone system also enhances our improved customer experience efforts, as it helps deliver next generation customer contact center solutions. The existing voice systems at SPS were past end-of-life and could not be upgraded.

- **Transmission Asset Health Analytics - $339,875 NM retail ($1,047,803 Total Company)** (WBS Level 2 No. D.0002180.017, D.0002180.021). This project involved developing a system that provides the analytics for maintaining and replacing transmission assets. The system combines different types of data and explores capabilities to perform data mining, predictive modeling, and advanced analysis.

- **Outage Employee Experience - $305,356 NM retail ($941,386 Total Company)** (WBS Level 2 No. D.0002322.006). This project allowed the field employee and first responders the ability to receive assigned outages, complete timely status updates, and close assignments from a technology device in real time, eliminating the need for field teams to go back and forth from their trucks to the field. The Electric Outage Restoration app also improves reporting, tracking and estimated restoration times needed for crucial customer communications.

- **Monitoring and Diagnostics Center On-line Thermal Performance Project - $237,665 NM retail ($732,701 Total Company)** (WBS Level 2 No. D.0002349.003). This project installed real-time thermal modeling software/capability in fossil generation plants. The project improved efficiency by making better use of available data and monitoring from fleet generation facilities by incorporating maintenance optimization through condition-based maintenance practices and real time data.

- **Robotic Process Automation - $171,702 NM retail ($529,341 Total Company)** (WBS Level 2 No. D.0002254.016 D.0002254.021). This project eliminated routine transactional work in various areas across SPS. Automations that were built include an automation that lets users in the field create work orders and purchase requisitions on a mobile device, an automation that identifies and cleans up past-due material reservations, an automation that completes meter testing, and an automation that updates work order schedules made by Centralized Scheduling.

- **Utilities International Customer Revenue System - $146,384 NM retail ($451,288 Total Company)** (WBS Level 2 No. D.0002310.004). This project allowed for sophisticated analysis of customers' bills and rate options using customer data from our billing system. The project assisted with designing rates, communication to customers on rate changes, what-if analysis, and different customer rate options.

- **Unmanned Aircraft Systems Program - $116,529 NM retail ($359,247 Total Company)** (WBS Level 2 No. D.0002298.019). This project implemented drone fleet management software. The software ensures

regulatory compliance, appropriate flight planning, security of drone data, and data analytics.

- **Return to the Office Remediation - $105,792 NM retail ($326,148 Total Company)** (WBS Level 2 No. D.0002429.004 D.0002429.012 D.0002429.018 D.0002429.024 D.0002429.028). This project created a return-to-office experience that ensured end users have the tools they need to continue to collaborate as they have been while working remotely. Microsoft Teams is Xcel Energy's key collaboration platform, and this effort ensured that Xcel Energy locations had the proper WAN, LAN, and Wi-Fi bandwidth to support the Teams Collaboration (voice and video) tools available.

Combined, the projects described above account for approximately 93% of the total capital additions in this category. The remaining 7% of the projects are similar in nature in that they were needed to increase efficiencies and enhance communications between systems that benefit SPS and our customers.

Q. How do you differentiate between the Enhance Capabilities investments and the Aging Technology investments?

A. Some of the investments overlap between categories. That said, the projects in the Aging Technology category typically involve the replacement of assets that were already in service, while the projects in the Enhance Capabilities category typically involve implementing systems that significantly add to business capability or efficiency. Close calls in deciding which category is appropriate often involve application upgrades. In some cases, the primary reason for an upgrade is the age

of the existing application. In other cases, the upgraded application enables new functionality and capability. In many cases both issues drive the need for the capital investment.

Q. Please describe the types of projects included in the "Cyber Security" category.

A. Projects in this category include solutions required to meet regulatory requirements, such as the NERC CIP Standards, and to protect SPS and Xcel Energy's computing environment. These investments provide prevention, detection, containment, and repair services to protect SPS from cyberattacks and to assist in recovery if such an attack occurs. Accordingly, these projects assist SPS in establishing and maintaining the proper tools to protect the integrity and confidentiality of its data and its systems. The total investment in this category amounts to $1,098,338 New Mexico retail ($3,386,080 Total Company) during the period. Major projects included in this category are as follows:

- **SailPoint 2021 - $420,082 NM retail ($1,295,074 Total Company)** (WBS Level 2 No. D.0002418.004). This project involved enhancements to the SailPoint Identity and Access Management tool, including bringing more entitlements (software and access) into the system. The expansion of SailPoint enhances Xcel Energy's Identity and Access Management, which supports compliance with the Sarbanes-Oxley Act, FERC, and NERC reliability standards.

- **SIEM+SOAR - $294,588 NM retail ($908,189 Total Company)** (WBS Level 2 No. D.0002418.004). This project implemented and operationalized a combined suite of software products for Security Information and Event Monitoring ("SIEM"), User Behavior Analytics, and Security Orchestration, Automation, and Response ("SOAR") for the Enterprise Command Center ("ECC"), establishing and increasing their cyber security capabilities. This project matured and expanded security capabilities and provided benefits by more effectively and seamlessly protecting SPS from threats to its systems, and it allowed it to better correlate and analyze a growing volume of data within the environment, in a fast, accurate, and efficient manner, by having the various capabilities of these programs in a common stack.

- **Analog Security Camera Upgrade - $99,152 NM retail ($305,676 Total Company)** (WBS Level 2 No. D.0002384.006). This project upgrades analog security cameras with digital security cameras throughout the enterprise, as well as ensures standard equipment is installed in order to meet patching and cyber security requirements. The legacy security camera system was reaching the end of its useful life and did not provide the required level of security observation. The new system allows security personnel to work more efficiently, and allowing unsupported analog cameras to be moved to supported technology will enable the business to keep monitoring cameras, thus enhancing safety and security.

- **Deception Servers - $83,962 NM retail ($258,847 Total Company)** (WBS Level 2 No. D.0002411.006). This project implemented an active defense capability that enables SPS to significantly improve incident response times by quickly detecting attackers that bypass our perimeter controls. The deception devices provide an attractive target for attackers inside the network in place of production assets.

- **Socially-Engineered Attack Prevention - $50,433 NM retail ($155,480 Total Company)** (WBS Level 2 No. D.0002411.006). This project provided additional capabilities to detect, protect, and mitigate threats associated with socially engineered attacks such as: commodity based

phishing (non-targeted), industry based phishing (targeted), business email compromise, and social media targeting.

- **Reprivata Monitoring Sensors - $43,549 NM retail ($134,259 Total Company)** (WBS Level 2 No D.0002417.004 D.0002417.009). This project provided additional cybersecurity detection and monitoring capabilities to the ECC by implementing sensors to the network perimeter ingress and egress points and yielding real-time alerts of observed suspicious activity.

Combined, these projects account for 90% of the total capital additions in this category. The remaining projects are similar in nature in that they were necessary to protect and maintain SPS's cybersecurity systems, which are essential to ensuring efficient and reliable business operations that support SPS's provision of electric service.

Q. Please describe the types of projects included in the AGIS category.

A. The AGIS category captures Xcel Energy's work to build an advanced electric grid that is more resilient and provides more tools and options for customers. The total investment in this category amounts to $4,797,539 New Mexico retail ($14,790,388 Total Company) during the period and included only one project:

- **Advanced Distribution Management System Data - $4,797,539 NM retail ($14,790,388 Total Company**) (WBS Level 2 No. D.0001723.064, D.0001723.066, D.0001723.048). The Advanced Distribution Management System ("ADMS") provides an integrated operating and decision software support system to assist control room, field personnel, and engineers with the monitoring, control, and optimization of the electric

distribution system. This ADMS data project involved collecting and reviewing information about the electric distribution assets to ensure that the information available complies with the necessary level of detail needed for ADMS. This project also included the build out and installation of the workstations' supporting software and monitoring controls located at the Lubbock Control Center.

Q. The "Customer" category of Technology Services capital additions that you sponsor is new since SPS's last rate case. Why was this new category created?

A. Xcel Energy has historically and continues to invest in projects that address customer needs, but recently Xcel Energy has significantly enhanced its focus on customer experience. When using the phrase "customer experience," I am referring to the customer's direct interactions with SPS, whether by digital platforms, through the call center, in person, or otherwise. Managing that experience requires both system tools and interfaces that work for the customer and support their satisfaction and overall experience with SPS. SPS expects customer experience investment to continue for the next few years, as changing technology and customer expectations are requiring SPS to work to continuously improve and maximize the performance of the tools serving customers (such as MyAccount, our builder's call line, and other interfaces and support).

Prior to 2019, it had been several years since Xcel Energy had invested significantly in primary customer touch points and relationship management tools. In support of the enterprise focus on enhancing customer experience, Xcel Energy launched a specific Customer Experience Transformation ("CXT") program in 2019 to help create smarter and simpler experiences for employees and customers and created a new category of Technology Services capital additions called Customer. This multi-year effort is designed to simplify SPS technology, transform customer experiences, improve customer satisfaction and engagement, and continue to drive more efficient operations. CXT has been developed to work strategically on enhancing digital channels; developing a data fabric model and migrating customer and business data into the model; and designing, building, testing, and deploying the foundational components to allow the digital channels and fabric models to operate. More specifically, Xcel Energy is utilizing more modern technologies that customers have come to expect through experiences with other companies. This includes interactive websites, account management options, and smart phone applications.

As more modern technologies become available for customers, it will be necessary to simultaneously invest in new capabilities like data science, user design, and development.

Q. Please describe the types of projects included in the "Customer" category.

A. Xcel Energy's work to improve the customer experience is further subdivided into four project areas: (1) Digital Channel Platforms (including MyAccount, SPS's website, Xcel Energy mobile applications, and new customers and real estate developers' initial connections with SPS (Customer Connect); (2) the Customer Relationship Management ("CRM") Platform (currently Salesforce); (3) Platform Infrastructure and Technology Maintenance; and (4) Data Analytics and Automation. Rather than describe each individual project, I have combined individual projects into the appropriate project area and describe the projects collectively by project area below. The total investment in this category amounts to $2,966,758 NM retail ($9,146,254 Total Company) during the period.

Table MOR-3
Technology Services "Customer" Capital Investment
by Project Area for the Base Period

	New Mexico Retail	**Total Company**
Digital Channel Platform	$1,535,772	$4,734,651
Customer Relationship Management	$327,683	$1,010,216
Platform Infrastructure and Technology Maintenance	$599,700	$1,848,821
Data Analytics and Automation	$503,604	$1,552,566
Total	**$2,966,758**	**$9,146,254**

- **Digital Channel Platform - $1,535,772 NM retail ($4,734,651 Total Company).** (WBS Level 2 No. D.0002247.006, D.0002248.006, D.0002273.006, D.0002273.010 D.0002256.006 D.0002255.006). These projects built out, enhanced, and redesigned several components of our customers' digital interactions with SPS. The work included enhancing and modernizing Xcel Energy's customer-facing online digital platforms and underlying technologies, MyAccount; our mobile application; and our website, www.xcelenergy.com. It also involved building out the New Customer Connections channel and utilizing "Single Screen" technology. Certain digital channel platform work, such as building out our Contact Center capabilities with Interactive Voice Response technology, continues into the Linkage Period.

- **Customer Relationship Management - $327,683 NM retail ($1,010,216 Total Company).** (WBS Level 2 No. D.0002253.006). These projects included Customer Identity and Access Management ("CIAM") work. CIAM work enabled a new single sign-in customer access and identity management in support of MyAccount and Mobile App login, and other products and services (including third parties). The new customer login improves customer access to their accounts, allows single login for all services offered by Xcel Energy and enables continuous upgrades to security.

- **Platform Infrastructure and Technology Maintenance - $599,700 NM retail ($1,848,821 Total Company).** (WBS Level 2 No. D.0002250.006 D.0002250.014). Xcel Energy's technological architecture has become increasingly intertwined, with core systems running at maximum capacity to support the need for emerging capabilities. To relieve the pressure from these critical core systems, these projects added new data layers to aggregate key information and manage extra capabilities, while providing flexibility and added capacity. To accomplish this, we developed an Application Programing Interface ("API"), which is a set of routines, protocols, and tools for building software applications to ensure software components can "talk" to each other. This infrastructure also includes operations model connectivity and security, and data architecture and governance.

This work allows the legacy applications to function in the manner they were designed, eliminating significant current customization that is very costly to maintain. API work is being conducted in two phases. Phase 1 of the API and data sets was the first set of the data and integrations that enables and provides functionality for www.xcelenergy.com, and other applications specific to the Builders and Remodelers Portal and core www.xcelenergy.com experiences, including functionality regarding automation and the cloud. The data work specifically provides a new platform and set of tools that supports the management and quality of customer data under new quality processes and data governance mechanisms. Phase 2 of API continues the work of Phase 1 and brings additional data and integrations to www.xcelenergy.com, MyAccount, mobile app, and other experiences. Improved data aggregation and storage allows for more customer functionality across digital channels. Functionality includes billing and payment, product sign-ups, and general customer service.

Data analytics capabilities will improve dramatically as a result of API layer improvements, enabling a new customer data grid that will serve as a single source of information on our customers. Analytics teams will have access to more timely, accurate and rich data to uncover deeper insights and trends to make improved recommendations and deliver better customer service.

- **Data Analytics and Automation - $503,604 NM retail ($1,552,566 Total Company).** (WBS Level 2 No. D.0002199.006, D.0002251.006, D.0002251.010). These projects added a Customer Data Platform layer to SPS's technological architecture, which acts as a central repository of data from SPS's core systems and third-party vendors. It also provided expedited consumption of data by other systems and eliminated more legacy point-to-point interfaces. For the customers, the data layer is where SPS can store data in one location to use on all channels. The data is then accessible from all channels to eliminate the need for redundant input.

  This work also enabled querying and running analyses and reporting on information outside of our core applications, such as core ordering and billing systems, which allows core applications to conduct only the transactions they were designed to complete.

Additionally, these projects facilitated analytics to help understand customer personas, preferences, and previous issues. This helps call center agents assist incoming calls in an expedited fashion with all the information they need, as previously noted with respect to the utility's digital interfaces. Artificial Intelligence and Natural Language Understanding are used in conjunction with each other, and with data in the CRM, to simplify the customer call experience and reroute the caller to the correct department. This also helps gather all the required information, so that the right solution for the customer is more easily recognizable to the SPS employee.

Q. Your Attachment MOR-2 includes capitalized affiliate costs. Were those affiliate costs necessary to complete the projects listed in Attachment MOR-2?

A. Yes. These affiliate charges are for the IT services provided to SPS by XES. The services include the provision and maintenance of computer hardware and software, and voice and data communication networks, used by SPS in providing electric service; the systems that support business functions including billing, accounting, payroll, outage management and dispatch, supply chain, and other general business operations; routine support and improvements for these technologies and systems; preparing for and mitigating cyber security risks; and employing technology and data to advance information analysis and improve business operations. In addition, the capital projects include overhead charges that reflect labor and other costs as discussed by Mr. Moeller. When those projects are complete, the costs, including the labor charges, are recorded as new assets.

Q. How are the affiliate charges assigned or allocated to SPS?

A. As explained in detail in SPS witness Nicole L. Doyle's Direct Testimony, affiliate costs are directly charged or allocated to SPS "at cost" pursuant to Appendix A to the Service Agreement between XES, SPS, and the other Operating Companies.

Q. Are the Technology Services capital additions listed on Attachment MOR-2 that were closed to plant-in-service during the Base Period, including the capitalized affiliate charges, reasonable and necessary?

A. Yes. The capital projects listed in Attachment MOR-2 were necessary to provide the technology infrastructure and systems that enable the provision of efficient, effective, and safe electric service to SPS's customers. Technology is necessary for much of SPS's work, including to efficiently dispatch work to the field, operate generating facilities, effectively purchase fuel, manage and monitor the electrical system, bill customers for service, develop budgets and track expenditures, pay employees, and offer programs to customers and respond to their inquiries.

Q. Does Technology Services anticipate any major capital additions after the end of the Base Period?

A. Yes. I discuss all of these projects in the following Linkage Period and Future Test Year Period sections of my direct testimony.

Q. Do any of the future projects you just referred to qualify as "major plant additions" as that term is defined in the Future Test Year Period Rule?

A. No. The Future Test Year Period Rule defines a "major plant addition" as plant for which a utility is required to file an application for a certificate of public convenience and necessity or is required to provide prior notice pursuant to Rule 17.5.440 NMAC.[11] None of the anticipated Technology Services capital additions discussed in the Linkage Period and Future Test Year Period sections meet this definition.

Q. Does Technology Services anticipate any major plant retirements after the end of the Base Period?

A. To the extent the Future Test Year Rule uses the term "major plant retirements" to mean plant that SPS was required to file an application for a certificate of public convenience and necessity or was required to provide prior notice pursuant to Rule 17.5.440 NMAC, no; Technology Services does not anticipate any major plant retirements after the end of the Base Period. That said, as aging technology needs to be replaced and/or upgraded, various assets may need to be decommissioned as a result. I discuss this in more detail in the Future Test Year section of my testimony.

[11] 17.1.3.7(I) NMAC.

D. Linkage Period Capital Investment

Q. What is the Linkage Period for purposes of this rate case?

A. The Linkage Period for purposes of this case is the twelve-month period beginning on July 1, 2022 and ending on June 30, 2023. SPS is providing linkage data for that period.

Q. What is "linkage data"?

A. The term "linkage data" refers to a specific and detailed description of all line items for the period of time between the end of the Base Period and the beginning of the Future Test Year Period required by the rule to create a "verifiable link" between Future Test Year Period data and Base Period data.[12] The rule states that linkage data does not constitute a test period, but instead is provided for the purpose of validating the information contained in the Future Test Year Period.[13]

Q. What amount of capital investment does Technology Services forecast that it will place in service during the Linkage Period?

A. Technology Services forecasts that it will place $26,372,380 of investment in service during the Linkage Period on a New Mexico jurisdictional basis

[12] 17.1.3.7(H).

[13] *Id.*

($74,904,271 Total Company). Attachment MOR-3 lists the types of investments that Technology Services plans to place in service during the Linkage period, along with the elements of cost for those investments.

Q. How did Technology Services forecast the amount of capital investment that will be placed in service during the Linkage Period?

A. Technology Services forecasted the capital investment to be placed in service during the Linkage Period based on the Technology Services budget for that period.

Q. Is the forecast used for the Linkage Period capital investment based on Technology Services' most recent budget information?

A. Yes. Technology Services used the July 2022 budget to forecast the amount of capital investment in the Linkage Period. That is the most recent budget available.

Q. What methodology did Technology Services use to develop the budget for projects placed in service during the Linkage Period?

A. Technology Services used the same TIG process to develop the budget for capital additions expected to be placed into service during the Linkage Period as explained in Section III.A for projects placed into service during the Base Period.

Q. Did the elements of cost change for Technology Services investment between the Base Period and the Linkage Period?

A. No. The elements of costs are the same in the Linkage Period as they were in the Base Period. Please refer to Columns H-K of the tab labeled "Remington By Proj. Cost Element" in Attachment MOR-3.

Q. Did the jurisdictional allocators change between the Base Period and the Linkage Period, or between the Linkage Period and the Future Test Year Period?

A. The jurisdictional allocators did change between the Base period and the Linkage Period. The jurisdictional allocators did not change between the Linkage Period and the Future Test Year Period. SPS witness Stephanie N. Niemi discusses the jurisdictional allocators in her direct testimony.

Q. Please describe the types of Technology Services-related capital additions that SPS forecasts to be closed to plant-in-service during the Linkage Period.

A. Similar to the Base Period, the capital additions that SPS plans to place in service during the Linkage Period fall within the following categories: Aging Technology, Enhance Capabilities, Cyber Security, AGIS, and Customer. In addition, there is a sixth category of projects expected to close to plant-in-service during this period referred to as Emergent Demand.

Q. Have you prepared a list of SPS's requested Technology Services capital additions closed or expected to close to plant-in-service during the Linkage Period?

A. Yes. Attachment MOR-3 lists SPS's Technology Services capital additions for the Linkage Period. Attachment MOR-3 contains the information listed in Table MOR-4:

Table MOR-4
Information Contained in Attachment MOR-3

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 —	WBS Level 2 Number	Provides the WBS Level 2 number for the project.
Column E —	Project Description (WBS Level 2 Description)	Provides a short title for the WBS Level 2 number for the project.
Column F —	Estimated In-Service Date	Provides the estimated in-service date of the WBS Level 2 number of the project.

Column G —	Additions to Plant-in-Service Linkage Period Total Company	Provides the Total Company dollar amount for the plant additions for the period July 1, 2022 through June 30, 2023.
Column H —	Additions to Plant-in-Service Linkage Period NM Retail	Provides the New Mexico retail dollar amount for the plant additions for the period July 1, 2022 through June 30, 2023.

Q. Please describe the types of Technology Services capital additions closed or expected to close to plant-in-service during the Linkage Period.

A. As shown in Table MOR-5, the capital additions for the Linkage Period fall within the following categories: Aging Technology, Enhance Capabilities, Cyber Security, AGIS, Customer, and Emergent Demand.

Table MOR-5
Technology Services Capital Investment for the Linkage Period

Project Category	New Mexico Retail	Total Company
Aging Technology	$17,598,643	$49,984,626
Enhance Capabilities	$5,535,782	$15,723,030
Cyber Security	$1,280,099	$3,635,808
AGIS	$11,365	$32,280
Customer	$1,921,059	$5,456,295
Emergent Demand	$25,432	$72,232
Total	**$26,372,380**	**$74,904,271**

Q. Please describe the types of projects included in the "Aging Technology" category for the Linkage Period.

A. As I explained in connection with the Base Period capital investments, this category of investment contains the capital additions for that are necessary to upgrade or replace aging software, hardware, systems, and related technology infrastructure, which are required to ensure efficient and reliable business operations. Combined, the projects described below account for approximately 91% of the total capital additions in this category. The remaining 9% of the projects are similar in nature in that they keep IT assets up-to-date in order for SPS to continue to meet current legal and regulatory requirements, as well as the service expectations of SPS customers.

- **DEMS Upgrade AKA Dynamic EMS Environment Phase 4 - $5,709,790 NM retail ($16,217,257 Total Company)** (WBS Level 2 No. D.0002038.007, D.0002038.012). Dynamic Energy Management Systems ("DEMS") is SPS's critical system for supporting transmission SCADA, Generation, Generation Dispatch, Market Participation and Reliability Coordination. The SPS phase of this project is part of a five-year effort to replace the Energy Management System ("EMS"), which is a critical technology that is used for the monitoring and management of the bulk electric system by our transmission system. The EMS interfaces with field devices that collect information about the health of the bulk electric system. This real-time, two-way communication provides Transmission and Distribution Operations the ability to remotely control the flow of electricity during outage and maintenance periods, which is a key driver of our ability to maintain efficient and reliable service to our customers.

- **Core HR Application (Payroll Benefits) - $1,761,554 NM retail ($5,003,261 Total Company)** (WBS Level 2 No. D.0002240.005, D.0002240.009, D.0002240.017). This project replaces the multiple existing core Human Resources ("HR") software systems and vendors at Xcel Energy: PeopleSoft, TIME, myHR, Talent Management, Learning Management System, Workforce Planning, and Workforce Analytics. These applications comprise the core HR system, provide payroll, benefits administration, workforce management, experience layer, and job record tracking to employees and retirees. The remaining components of the Core HR application are expected to be complete in 2022, which include major components of recruiting, benefits, talent management, time keeping, the employee portal and HR analytics.

- **LFCM - OT Modernization - $1,402,105 NM retail ($3,982,335 Total Company)** (WBS Level 2 No. D.0002488.008). Please see description above in Section III.C.

- **WAN SPS - $1,251,496 NM retail ($3,554,566 Total Company)** (WBS Level 2 No. D.0002014.014). Please see description above in Section III.C.

- **SPS Microwave Upgrade - $1,158,699 NM retail ($3,291,000 Total Company)** (WBS Level 2 No. D.0002397.001). This project upgrades the bandwidth for the entire network. The radio communication equipment in SPS has reached the end of its useful life, and upgrading the equipment improves resiliency and stabilization for the SPS's microwave communications equipment.

- **LFCM - End User Enablement - $924,549 NM retail ($2,625,953 Total Company)** (WBS Level 2 D.0002354.004, D.002355.004, D.0002482.008). Please see description above in Section III.C.

- **LFCM - Network Services - $657,484 NM retail ($1,867,422 Total Company)** (WBS Level 2 No. D.0002485.004, D.0002485.008, D.0002485.018). This LFCM project relates to network devices, such as switches, routers, and firewalls.

- **SAS BookRunner Upgrade - $454,225 NM retail ($1,290,115 Total Company)** (WBS Level 2 D.0002350.006). This project upgrades the SAS BookRunner Energy Trading Risk Management application, which the vendor is no longer offering, with term license at Xcel Energy. It is a critical application used by the Risk Management area to measure, manage, and report risk for energy trade transactions. SAS communicated in October 2019 that they will retire its product "Book Runner." This project implements a new solution providing Risk Management with the continued capabilities necessary to support the Commercial Operations to optimize risk management for Xcel Energy's trade model.

- **Technology License - $423,098 NM retail ($1,201,706 Total Company)** (WBS Level 2 D.0002153.014). Please see description above in Section III.C.

- **Bentley OpenUtilities Designer Upgrade - $288,350 NM retail ($818,987 Total Company)** (WBS Level 2 D.0002308.004). This project upgrades the distribution design tool to create and manage electric and gas distribution assets. The vendor stopped supporting the version of software previously installed in July 2019.

- **LFCM - Infrastructure Services - $273,708 NM retail ($777,401 Total Company)** (WBS Level 2 D.0002489.008). This LFCM project relates to assets such as servers and NetApp licenses.

- **Monitoring Device Management System Replacement - $261,485 NM retail ($742,685 Total Company)** (WBS Level 2 D.0001856.004). This project upgrades the repository and source of data for all serialized devices including meters and modules. The existing mainframe platform is out of support.

- **SD-WAN Implementation - $256,216 NM retail ($727,718 Total Company)** (WBS Level 2 D.0002517.004, D.0002517.008). This project updates the software-defined wide area network ("SD-WAN"). The solution simplifies the management and operation of the WAN and enhances the network.

- **IT INFS Network Refresh - $246,480 NM retail ($700,065 Total Company)** (WBS Level 2 D.0002356.004). Please see description above in Section III.C.

- **ServiceNow Enhancements - $240,035 NM retail ($681,759 Total Company)** (WBS Level 2 D.0002512.004) ServiceNow is a project placed into service during the Base Period. The ServiceNow Enhancements project builds off of the initial implementation by delivering new modules, such as expanding application management, network automation, and mapping of towers.

- **Network Security Orchestrator - $236,707 NM retail ($672,307 Total Company)** (WBS Level 2 D.0001850.004). This project creates a unified end-to-end solution aimed to provide an enterprise service to centralize firewall management for various departments across Xcel Energy.

- **Doble DUC Upgrade - $235,110 NM retail ($667,772 Total Company)** (WBS Level 2 D.0001843.004, D.0001843.018). This project replaces the existing antiquated Doble Universal Controllers ("DUCs") with new devices, builds the Doble Win11 image for the DUCs, provides Customer Care, Patch Assure, and Machine to Machine connectivity for all devices.

- **SAP Continuous Improvements - $232,614 NM retail ($660,682 Total Company)** (WBS Level 2 D.0002020.018 D.0002020.054). Please see description above in Section III.C.

- **GOLD Replacement - $181,781 NM retail ($516,304 Total Company)** (WBS Level 2 D.0002054.009). The Global Outdoor Lighting Database ("GOLD") application replacement is used to track assets and associated repairs, maintenance, billing, customers, locations, and work orders for streetlights, area lights, traffic lights, and other metered and non-meter equipment. This project addresses the replacement of the current outdated technical solution and provide functionality improvements to maintain accuracy and consistency of asset information. Additionally, the new platform streamlines the billing functionality related to the non-metered assets and reduce outage restoration time, improving safety and reducing regulatory risk.

Q. Please describe the types of projects included in the "Enhance Capabilities" category for the Linkage Period.

A. As I explained in connection with the Base Period, this category of investment includes the implementation of new software, upgrades to existing software systems, and necessary hardware upgrades to support software investments. The total investment in this category amounts to $5,535,782 New Mexico retail ($15,723,030 Total Company) during the period. Combined, the projects described below account for approximately 92% of the total capital additions in this category. The remaining 8% of the projects are similar in nature in that they are needed to enhance production and training environments to meet regulatory requirements, efficiently manage assets, improve project management and workflow, enable continued system stability, meet evolving legal and compliance requirements, maintain and improve business operations, and protect SPS and Xcel Energy information.

- **CIP Substation Compliance Reporting Work Stream 2 - $1,616,752 NM retail ($4,591,986 Total Company)** (WBS Level 2 D.0001804.358). This project replaces complex, labor-intensive processes with software automation in order to better support SPS's compliance with CIP standards. In particular, it provides software automation in the areas of asset management, ports and services, security patch management, and daily management, quarterly inventory review, and annual audit discovery.

- **Real Time Scheduling Engine - $729,805 NM retail ($2,072,833 Total Company)** (WBS Level 2 D.0002430.006). This project focuses on the automation of five features within the customer centric scheduling processes: a smart Real Time Scheduling Engine connected with dashboarding tools for forecasting and metrics purposes, a smart integrated calendar, an integrated digital checklist with notifications, a smart backlog, and a scenario builder.

- **Enterprise Synchrophaser Expansion Project - $529,999 NM retail ($1,505,333 Total Company)** (WBS Level 2 D.0001804.344, D.0001826.374). This project allows SPS to expand the collection of Synchrophasor data by installing Phasor Measurement Units and communication paths at various SPS facilities. (Synchrophasor measurements are real time measurements to obtain useful information to operate the grid.) This expanded capability impacts business areas for Bulk Electric System analysis, voltage stability analysis, NERC event analysis requests, generation model validation, and improves wind farm response and voltage control. This project reduces maintenance and replacement costs of transmission devices, reduces costs to validate generator models, as well as improves the operation of the Bulk Electric System overall.

- **Cash Management Replacement System - $355,884 NM retail ($1,010,802 Total Company)** (WBS Level 2 D.0002434.006). This project enhances and streamlines daily processing performance and billing invoice generation across Xcel Energy as more complex rates and riders are implemented to provide additional options and services for our customers. The project also includes updated architectural components that ensure the application remains supported, resilient, and secure.

- **Renewable Energy Performance - $343,199 NM retail ($974,773 Total Company)** (WBS Level 2 D.0001844.010 D.0001844.015). This project procures and utilizes analytical software tools to forecast, monitor, analyze, and improve the performance of the wind fleet. This tool expedites the identification of underperforming individual wind turbines, the potential causes, and corrective measures.

- **Mobile Asset Information - $330,835 NM retail ($939,656 Total Company)** (WBS Level 2 D.0001842.006). This project provides field employees a mobile application allowing access to crucial data for transmission substations. The application allows access to information required to inform repairs and serve as a collaboration tool for sharing notes and data across teams.

- **Energy Supply APM Phase 2 - $300,214 NM retail ($852,685 Total Company)** (WBS Level 2 D.0002427.013, D.0002427.006). This project employs foundational components of asset performance management ("APM") software analytic applications and capabilities, which in this Phase 2 provides increased visibility into asset health, data quality, failure history, metrics, and operational risk that enables better decision-making to optimize costs, reliability, and asset risks at our coal and natural gas generation plants.

- **BCG Transmission Nerve Center - $296,018 NM retail ($840,765 Total Company)** (WBS Level 2 D.0001857.006). This project implements a digital solution for Transmission and Supply Chain to enhance planning for materials, improve collaboration using new analytics, and more effectively execute capital projects.

- **Enterprise Data Management Tool - $240,456 NM retail ($682,956 Total Company)** (WBS Level 2 D.0002074.009). This project implements a robust data management and governance solution that better and more efficiently manages data quality across business units. The data governance initiative increases productivity by using tools designed to efficiently process workflow and monitor quality, while also enabling incremental controls and processes that are scalable and more cost-effective.

- **Crew Time Entry - $199,256 NM retail ($565,937 Total Company)** (WBS Level 2 D.0002277.006, D.0002277.016). This project implements mobile application for Field Time entry in place of entering time on a computer/shared computer in the office at the end of the day.

- **Robotic Process Automation - $150,731 NM retail ($428,114 Total Company)** (WBS Level 2 D.0002254.026). Please see description above in Section III.C.

Q. Please describe the types of projects included in the "Cyber Security" category for the Linkage Period.

A. As I explained in connection with the Base Period, this category of investment includes solutions required to meet regulatory requirements, such as the NERC CIP Standards, and to protect SPS and Xcel Energy's computing environment. Combined, the projects described below account for approximately 95% of the total capital additions in this category. The remaining 5% of the projects are similar in nature in that they assist SPS in establishing and maintaining the proper tools to protect the integrity and confidentiality of its data and its systems.

- **Asset Management Architecture - $212,550 NM retail ($603,696 Total Company)** (WBS Level 2 D.0002426.010). This project's focus area is to establish a consistent and repeatable process for collecting, updating, and retiring digital asset information, and to know what is in the environment and what needs to be protected. The key focus areas for architecture are building architecture diagrams, developing data flow maps of identified OT environments including external (remote) connections, analyzing firewall rulesets of identified OT environments, and developing a segmentation and firewall placement strategy for environments.

- **Analog Security Camera Upgrade - $137,774 NM retail ($391,314 Total Company)** (WBS D.0002384.006). Please see description above in Section III.C.

- **Endpoint Detection and Response - $133,022 NM retail ($377,817 Total Company)** (WBS Level 2 D.0001898.004). This project reduces the response time of the ECC within Enterprise Security and Emergency Management to cyber threat activities. It automates, when practicable, the containment and eradication of malicious code detected in our IT environment, and leverages real-time cyber threat intelligence feeds to aid incident responders.

- **Certificate & Key Management - $132,108 NM retail ($375,222 Total Company)** (WBS Level 2 D.0001771.017). This project replaces manual processes for certificate and key management with processes automated by a management solution. Key management forms the basis of all data security. Data is encrypted and decrypted via the use of encryption keys, which means the loss or compromise of any encryption key would invalidate the data security measures put into place. Keys also ensure the safe transmission of data across an Internet connection.

- **Terrain Analytics - $102,855 NM retail ($292,133 Total Company)** (WBS Level D.0002410.006). This technology takes configuration files from the Xcel Energy network switches, routers, firewalls, and load balancers and imports host and vulnerability data from vulnerability scanners and other sources to build out what logical attack paths are in our environment. This shortens the amount of time spent on "attack paths" by building out our capabilities to model and understand them.

- **Risk Assessment as a Service - $90,009 NM retail ($255,649 Total Company)** (WBS Level D.0002347.006). This technology allows Xcel Energy to ensure vendor security risk is independently assessed for a more comprehensive risk assessment for the vendor's security posture. It will enable SPS to use a platform to manage vendors, as well as assessments, reporting, and findings thereto. It is an enhancement on the previous process for Security Vendor Risk Assessment, which is labor intensive and requires adequate lead times to complete.

- **Documentum 16.4 Upgrade - $75,856 NM retail ($215,450 Total Company)** (WBS Level D.0002276.004). This is an upgrade to our

Documentum software, wherein millions of company-wide documents are stored. The necessity of this upgrade arises from the risk that the current, outdated version of the software will no longer be supported, hindering core operations by limiting access to key documents in many areas of the company.

- **Security Services Upgrade - $63,674 NM retail ($180,850 Total Company)** (WBS Level D.0002206.006). This is an upgrade to the Security Operations Center's access control and monitoring system, which alerts to intrusions across the enterprise. This upgrade is necessary to ensure Xcel Energy's system remains compatible with the operating version of Windows. A failure to upgrade this system signifies a security risk for the company wherein we will be unable to monitor intrusions and access to facilities.

- **SailPoint 2021 - $60,366 NM retail ($171,454 Total Company)** (WBS Level D.0002413.006). Please see description above in Section III.C.

- **PingFed to Azure SSO Migration - $58,199 NM retail ($165,300 Total Company)** (WBS Level D.0001845.006). This project migrates applications from PingFederate Single Sign-on ("SSO") to Azure SSO. This is necessary because the current PingFederate solution has reached end-of-life. In addition, Azure offers 99.99% up time according to the Service Level Agreement. This is significant given that SSO is considered a critical service, meaning that any downtime impacts roughly 18,000 users.

- **Red Team Program Development - $57,950 NM retail ($164,594 Total Company)** (WBS Level D.0001897.004, D.0001897.013). A "Red Team" refers to a group of people who play the role of an enemy trying to get past the cybersecurity defenses of the "Blue Team." The Red Team is able to identify strengths and vulnerabilities in a system, which are later reported back to the Blue Team. Currently, penetration tests and Red Team engagements must be contracted out to third party vendors, which presents a cost in dollars, time, and resources in order to navigate the internal processes to contract and perform the tests and engagements. The objective of this project is to implement a Red Team for performing internal

penetration testing and related engagements, reducing the dependency on external vendors to provide these services.

- **Service Account Remediation - $56,297 NM retail ($159,899 Total Company)** (WBS Level D.0002486.004). This project standardizes the management of service (non-user) accounts. Applying consistent standards to the management of non-user accounts greatly decreases the potential for cyber security vulnerabilities and regulatory compliance failure.

- **Tanium Enforce and PWC Accelerators - $39,837 NM retail ($113,146 Total Company)** (WBS Level D.0001914.006) Tanium provides protection for SPS's servers and workstations; this project installs the Tanium Enforce Module, which allows Xcel Energy to remove infected systems from all networks, disable the system's wireless, Bluetooth, and any other potential networking capabilities; and ensure all shared and networked drives are disconnected, whether wired or wireless.

Q. Please describe the types of projects included in the AGIS category for the Linkage Period.

A. As mentioned in the Base Period, the AGIS category captures Xcel Energy's work to build an advanced electric grid that is more resilient and provides more tools and options for customers. The total investment in this category amounts to $11,365 New Mexico retail ($32,280 Total Company) during the period and included only one project:

- **Advanced Distribution Management System Data - $11,365 NM retail ($32,280 Total Company)** (WBS Level 2 No. D.0001723.064, D.0001723.066, D.0001723.048). Please see description above in Section III.C.

Q. Please provide an explanation of why the capital investment associated with ADMS is so much larger during the Base Period than during the Linkage Period.

A. The significantly lower capital investment in the Linkage Period as compared to the Base Period reflects how timing impacts capital addition levels. Capital additions equal the total investment at the conclusion of the construction or implementation process (when the asset is placed in service). The variation in investment from period to period show that most of the ADMS assets became used and useful during the Base Period, leaving only a small portion of ADMS assets to be in-serviced during the Linkage Period.

Q. Please describe the types of projects included in the "Customer" category.

A. As I explained in connection with the Base Period, this category of investment includes Xcel Energy's work to improve the customer experience and is further subdivided into four project areas: (1) Digital Channel Platforms, (2) the CRM Platform (currently Salesforce), (3) Platform Infrastructure and Technology Maintenance, and (4) Data Analytics and Automation. Combined, the projects described below account for approximately 100% of the total capital additions in

this category. The total investment in this category amounts to $1,921,059 New Mexico retail ($5,456,295 Total Company) during the period.

Table MOR-6
Technology Services "Customer" Capital Investment
by Project Area for the Linkage Period

	New Mexico Retail	Total Company
Digital Channel Platform	$1,375,050	$3,905,492
Platform Infrastructure and Technology Maintenance	$546,003	$1,550,789
Data Analytics and Automation	$5	$14
Total	**$1,921,059**	**$5,456,295**

- **Digital Channel Platform - $1,375,050 NM retail ($3,905,492 Total Company).** (WBS Level 2 No. D.0002037.025, D.0002223.009, D.0002223.015, D.0002247.006, D.0002249.006, D. 0002253.010, D.0002389.006, D.0002390.004, D.0002391.004, D.0002392.004, D.0002393.004). Please see description above in Section III.C.

- **Platform Infrastructure and Technology Maintenance - $546,003 NM retail ($1,550,789 Total Company).** (WBS Level 2 No. D.0002137.004, D.0002137.013, D.0002209.012, D.0002209.017, D.0002250.006). Please see description above in Section III.C.

- **Data Analytics and Automation - $5 NM retail ($14 Total Company).** (WBS Level 2 No. D.0002251.006). Please see description above in Section III.C.

Q. The Emergent Demand category is not included in the Base Period Capital Investment discussion above. Please explain what the "Emergent Demand" category refers to.

A. The Emergent Demand category is an account created to ensure Technology Services is able to meet unanticipated cybersecurity, aging technology, and efficiency needs that inevitably emerge in a given year. Given the ever-changing nature of technology and emerging risks, it is not possible to identify in advance all necessary projects that may arise or become critical in a given year. For example, it is not always possible to predict what kind of security risk might be created by hackers as technology continues to develop. In other situations, it may become clear during detailed project development that additional benefits or long-term cost savings could be captured by expanding the scope of the project. The Emergent Demand account allows Technology Services to address these types of issues without unnecessarily delaying or cancelling previously planned projects or otherwise absorbing unplanned work and costs. Despite the unpredictable nature of these emergent needs, it is reasonable and necessary to have a fund in order to address them as they arise.

Q. Why does the Emergent Demand category not appear in the Base Period?

A. The Emergent Demand category is used for forecasted data only. It is not needed for the Base Period data because once Emergent Demand projects arise and dollars are actually invested, the additions are accounted for in one of the five Technology Services categories: (1) Aging Technology, (2) Enhance Capabilities, (3) Cyber Security, (4) AGIS, or (5) Customer. Because this is a Future Test Year case, it is necessary to include the Emergent Demand category as the funds have not yet been re-classified but the funds are expected to be invested and will benefit customers.

Q. What investment amount associated with Emergent Demand during the Linkage Period does SPS seek to include in rate base?

A. SPS's portion of the total investment in this category amounts to $25,432 on a New Mexico retail basis ($72,232 Total Company) during the Linkage Period. This amount is based on forecasted business priorities for this time period, balanced by the overall business area capital spending guidelines.

Q. Attachment MOR-3 includes capitalized affiliate costs in the Linkage period. Were those affiliate costs necessary to complete the projects listed in Attachment MOR-3?

A. Yes. The affiliate charges reflected in Attachment MOR-3 are for IT services expected to be provided to SPS by XES during the Linkage Period. These are the same types of services I described in the Base Period and are necessary for the same reasons.

Q. Are the Technology Services-related capital additions listed on Attachment MOR-3 for the Linkage Period, including the capitalized affiliate charges, reasonable and necessary?

A. Yes. The capital investment listed in Attachment MOR-3 is reasonable and necessary to provide the technology infrastructure and systems that enable the provision of efficient, effective, and safe electric service to SPS's customers. Technology is necessary for much of SPS's work, including to efficiently dispatch work to the field, operate generating facilities, effectively purchase fuel, manage and monitor the electrical system, bill customers for service, develop budgets and track expenditures, pay employees, and offer programs to customers and respond to their inquiries.

E. Future Test Year Capital Investment

Q. What is the Future Test Year Period for purposes of this rate case?

A. The Future Test Year Period for purposes of this case is the twelve-month period beginning on July 1, 2023 and ending on June 30, 2024.

Q. What amount of capital investment does Technology Services forecast to be placed in service during the Future Test Year Period?

A. During the Future Test Year Period, Technology Services plans to place in service $23,092,643 of capital investment on a New Mexico jurisdictional basis ($65,588,983 Total Company).[14] Attachment MOR-4 lists the types of investment that Technology Services plans to place in service during the Future Test Year Period.

Q. How did Technology Services forecast the amount of capital investment to be placed in service during the Future Test Year Period?

A. Technology Services forecasted the amount of capital investment to be placed in service based on the budget for that cost center.

[14] It is my understanding that rate base for the Future Test Year Period must be calculated based on average rate base calculated on a 13-month average. 17.1.3.16(C)(1) NMAC. Therefore, the total as of the end of the Future Test Year Period will not match the rate base amounts as explained by Mr. Moeller.

Q. Is the forecast used for the Future Test Year Period capital investment based on Technology Services' most recent budget information?

A. Yes. Technology Services used the July 2022 budget to forecast the amount of capital investment in the Future Test Year Period. That is the most recent budget available.

Q. What methodology did Technology Services use to develop the budget used to cost of projects placed in service during the Future Test Year Period?

A. Technology Services used the same budgeting process to develop the anticipated Future Test Year Period capital investment as it did for the Base Period and the Linkage Period.

Q. How, if at all, do the budgeted amounts for the Future Test Year Period relate to the Linkage Period amounts?

A. The Future Test Year Period capital investment budget was developed using the same process used to develop the Linkage Period capital investment budget. The amounts cover the same categories of projects and the same cost elements. In some instances they even cover a continuation of the same projects.

Q. How, if at all, do the budgeted amounts for the Future Test Year Period relate to the Base Period amounts?

A. The Future Test Year Period capital investment budget was developed using the same process used to develop the Base Period capital investment budget. The amounts cover the same categories of projects and the same cost elements. In some instances they even cover a continuation of the same projects.

Q. Are the elements of cost forecasted during the Future Test Year Period similar to the elements of cost during the Base Period and Linkage Period?

A. Yes. The elements of costs are the same in the Future Test Year Period as they were in the Base Period. Please refer to Columns H-K of the tab labeled "Remington By Proj. Cost Element" in Attachment MOR-4.

Q. Have you prepared a list of SPS's requested Technology Services capital additions expected to close to plant-in-service during the Future Test Year Period?

A. Yes. Attachment MOR-4 lists SPS's Technology Services capital additions for the Future Test Year Period. Attachment MOR-4 contains the information listed in Table MOR-7:

Table MOR-7
Information Contained in Attachment MOR-4

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 —	WBS Level 2 Number	Provides the WBS Level 2 number for the project.
Column E —	Project Description (WBS Level 2 Description)	Provides a short title for the WBS Level 2 number for the project.
Column F —	Estimated In-Service Date	Provides the estimated in-service date of the WBS Level 2 number of the project.
Column G —	Additions to Plant-in-Service Future Test Year Total Company	Provides the Total Company dollar amount for the plant additions for the period July 1, 2023 through June 30, 2024.
Column H —	Additions to Plant-in-Service Future Test Year NM Retail	Provides the New Mexico retail dollar amount for the plant additions for the period July 1, 2023 through June 30, 2024.

Q. Please describe the types of Technology Services-related capital additions that SPS forecasts to be closed to plant-in-service during the Future Test Year Period.

A. Similar to the Linkage Period, the capital additions for the Future Test Year Period fall within the following categories: Aging Technology, Enhance Capabilities, Cyber Security, AGIS, Customer, and Emergent Demand. In addition, there is a seventh category included in this period referred to as "Savings Target."

Table MOR-8
Technology Services Capital Investment for the Future Test Year Period

Project Category	New Mexico Retail	Total Company
Aging Technology	$14,418,918	$40,953,397
Enhance Capabilities	$4,830,808	$13,720,725
Cyber Security	$2,284,109	$6,487,451
AGIS	$566,950	$1,610,283
Customer	$1,290,500	$3,665,348
Emergent Demand	$120,651	$342,680
Savings Target	($419,294)	($1,190,900)
Total	**$23,092,643**	**$65,588,983**

Q. Please describe the types of projects included in the "Aging Technology" category for the Future Test Year Period.

A. As I explained in connection with the Base Period capital investments, this category of investment contains the capital additions that are necessary to upgrade or replace aging software, hardware, systems, and related technology infrastructure, which are required to ensure efficient and reliable business operations. Combined, the projects described below account for approximately 90% of the total capital additions in this category. The remaining 10% of the projects are similar in nature in that they keep IT assets up-to-date in order for SPS to continue to meet current legal and regulatory requirements, as well as the service expectations of SPS customers.

- **Technology License - $2,585,684 NM retail ($7,344,000 Total Company)** (WBS Level 2 No. D.002153.004). Please see description above in Section III.C.

- **LFCM – End User Enablement - $1,574,253 NM retail ($4,471,279 Total Company)** (WBS Level 2 No. D.002354.004, D.002355.004, D.002482.008). Please see description above in Section III.C.

- **WAN SPS - $1,463,605 NM retail ($4,157,011 Total Company)** (WBS Level 2 No. D.0002014.014). Please see description above in Section III.C.

- **Amarillo Tower Vacate – Network - $803,156 NM retail ($2,281,168 Total Company)** (WBS Level 2 No. D.0002357.001). The Amarillo Tower is a leased facility and the lease will come to an end in 2023. The Amarillo

Tower consists of the SPS Backup Transmission Control Center, a Data Center which is home to an Land Mobile Radio ("LMR") installation, and a SCADA Master installation. This project will move the LMR and the SCADA Master installation from the Amarillo Tower building to two locations, Bushland and Nichols—both locations which are owned by Xcel Energy. This move will help improve resiliency for our SCADA Master and LMR networks by creating two locations instead of one.

- **LFCM – Network Services - $794,408 NM retail ($2,256,320 Total Company)** (WBS Level 2 No. D.0002485.004). Please see description above in Section III.D.

- **Budget System Replacement - $702,588 NM retail ($1,995,529 Total Company)** (WBS Level 2 No. D.0001923.004). This project will replace the current budgeting system with a timely and interactive Financial Planning and Budgeting platform to support and improve the financial planning process. The new platform will strengthen and accelerate modeling capabilities, including but not limited to the ability to run scenario and sensitivity analysis, self-service data and reporting, and near real-time results. This will enhance enterprise-critical capabilities related to strategic decision making by company leadership and optimization of earnings and investments.

- **Integrated Energy Management Upgrade - $567,067 NM retail ($1,610,614 Total Company)** (WBS Level 2 No. D.0002228.005). This project will upgrade Integrated Energy Management to enhance the production environment to meet new energy accounting requirements, incorporate markets requirements, update interface to DEMS, and enhance user functionality. The current application requires much user knowledge about how the system works. This upgrade will put in place technology that makes the system easier to understand as well as easier to navigate.

- **IT INFS Network Refresh - $560,689 NM retail ($1,592,500 Total Company)** (WBS Level 2 No. D.0002356.004). Please see description above in Section III.C.

- **Work Manager Replacement - $534,416 NM retail ($1,517,876 Total Company)** (WBS Level 2 No. D.0001922.006). This is an upgrade to our work management tool. It is necessary for our field workers to efficiently manage work orders and assets. Because the current tool, SAP Work Manager, reached the end of support as of 2020, it must be replaced to maintain support and security.

- **LFCM – Infrastructure Services - $520,165 NM retail ($1,477,401 Total Company)** (WBS Level 2 No. D.0002489.008). Please see description above in Section III.D.

- **Transmission Asset Management System Replacement - $421,007 NM retail ($1,195,768 Total Company)** (WBS Level 2 No. D.0002025.004). This project will upgrade the current Transmission Asset Management System to provide transactional and operational improvements to existing integrated applications and create integrations to new solutions like Transmission Asset Health Analytics and the TWR replacement. The upgrade will also expand the current functionality to include integration between Transmission Inspection, Transmission Maintenance, and Transmission Asset replacement activities.

- **ESB Modernization - $411,792 NM retail ($1,169,595 Total Company)** (WBS Level 2 No. D.0001926.006). The Enterprise Service Bus ("ESB") Modernization is a middleware system, and this project is the work needed to stabilize, modernize, and improve the resiliency of the ESB architecture. The ESB sits between the operating system and all the applications that are run on it. It is a translation layer, enabling communication and data management for applications, which allows data to be passed easily. The ESB needs enhancements to modernize the communication interconnects. The work will include design, build and test of the pipeline between ESB and application integrations.

- **Click Replacement - $350,811 NM retail ($996,393 Total Company)** (WBS Level 2 No. D.0001929.006). This project will achieve the

replacement of the current Enterprise Resource Planning software solution, Click, across the company. Click is a client application that is integrated with CRM for scheduling of labor and resources. This solution is not robust or easy to use in the field. We are implementing a new solution. The work will update the allocation of data across servers for improved connectivity, and update configurations in the network and support shared services more effectively.

- **SubTran Portal Upgrade - $340,330 NM retail ($966,624 Total Company)** (WBS Level 2 No. D.0002111.011). Transmission uses the SubTran Portal application to generate, validate, and store Xcel Energy Facilities Ratings for compliance with NERC Standards FAC-008. This project will bring the application and environment up to support standards to further enable process efficiencies. It will also extend the SubTran Portal capabilities to include inspection data for Transmission to actively factor defects, inspection data, and data refresh in their process.

- **Zero Trust Network Access - $308,071 NM retail ($875,000 Total Company)** (WBS Level 2 No. D.0001983.004). Given the digital transformation and move to hybrid cloud infrastructure, the IT industry can no longer rely solely on perimeter security strategies to protect valuable resources like user data and intellectual property. Zero Trust addresses the security needs of a data-driven hybrid cloud environment. It provides organizations with adaptive and continuous protection for users, data, and assets, plus the ability to manage threats proactively.

- **LFCM – OT Modernization - $234,541 NM retail ($666,157 Total Company)** (WBS Level 2 No. D.0002488.008). Please see description above in Section III.C.

- **DEMS Upgrade AKA Dynamic EMS Environment Phase 4 - $216,890 NM retail ($616,023 Total Company)** (WBS Level 2 No. D.0002038.007, D.0002038.012). Please see description above in Section III.D.

- **SAP Continuous Improvements - $211,814 NM retail ($601,607 Total Company)** (WBS Level 2 No. D.0002020.018). Please see description above in Section III.C.

- **VoIP Refresh - $208,614 NM retail ($592,516 Total Company)** (WBS Level 2 No. D.0002106.004). Please see description above in Section III.C.

- **DR Technology Refresh - $182,544 NM retail ($518,470 Total Company)** (WBS Level 2 No. D.0002125.004). This project will enable SPS to proactively test and implement a new methodology for system recovery during a disaster, such as power outages and other system failures, that can result in lost data and system issues. The project will help ensure business continuity, regardless of the circumstances. It will replace aging disaster recovery hardware and will provide hardware and software solutions to ensure that SPS will be fully prepared to operate during a situation that could negatively impact the operation of SPS's primary systems. This is a multi-year project with various components that will be placed in service as assets are deployed.

Q. Please describe the types of projects included in the "Enhance Capabilities" category for the Future Test Year Period.

A. As I explained in connection with the Base Period and Linkage Period, this category of investment contains the capital additions necessary for the implementation of new software, upgrades to existing software systems, and necessary hardware upgrades to support software investments. Combined, the projects described below account for approximately 90% of the total capital additions in this category. The remaining 10% of the projects are similar in nature in that they are needed to

enhance production and training environments to meet regulatory requirements, efficiently manage assets, improve project management and workflow, enable continued system stability, meet evolving legal and compliance requirements, maintain and improve business operations, and protect SPS and Xcel Energy information.

- **Trans Frontline Enablement - $873,348 NM retail ($2,480,529 Total Company)** (WBS Level 2 No. D.0002468.006). This project will leverage mobile applications and automation to improve field access to real-time asset and operation data.

- **Supply Chain Spend Analytics - $460,689 NM retail ($1,308,475 Total Company)** (WBS Level 2 No. D.0002464.006). The objective of this project is to build a comprehensive digital structure that improves data accuracy and transparency to generate insights into spend, supplier transactions, and key supply chain performance metrics. A portfolio of digital tools and solutions will prioritize the implementation of master data cleansing and management, cost modeling, category analytics, a spend control dashboard, a contract labor management platform, a supplier management platform, performance management dashboards, and process automation.

- **Network EM & Visibility Tooling - $457,709 NM retail ($1,300,009 Total Company)** (WBS Level 2 No. D.0001952.004). This project will implement tools to improve network visibility and reporting. Tools and services will include, but are not limited to, security event handling, alert management, network monitoring and performance monitoring, and network dependency dashboards.

- **Secure Access Service Edge Enhancement - $440,101 NM retail ($1,250,000 Total Company)** (WBS Level 2 No. D.0001981.004). Secure

Access Service Edge Enhancement ("SASE") is a cloud-delivered capability that combines network and security functions with WAN capabilities to support the dynamic, secure access needs of today's hybrid organizations. Conceptually, SASE extends networking and security capabilities beyond where they're typically available. This lets users, regardless of location, take advantage of firewall as a service, secure web gateway, zero-trust network access, and a suite of threat detection functions.

- **Unmanned Aircraft Systems Program - $406,492 NM retail ($1,154,542 Total Company)** (WBS Level 2 No. D.0002298.013). Please see description above in Section III.C.

- **Hosting Capacity Analysis - $324,442 NM retail ($921,497 Total Company)** (WBS Level 2 No. D.0001934.004). This project will streamline Xcel Energy's distributed energy resource ("DER") interconnection process to increase DER customer satisfaction for our battery and solar customers. In order to do so, the Generated and Load view map will be published to XE.com. Additionally, a toggle functionality will be provided so user can switch between the 2 maps.

- **Energy Supply APM Phase 2 - $252,336 NM retail ($716,698 Total Company)** (WBS Level 2 No. D.0002427.019). Please see description above in Section III.D.

- **IT Monitoring Refresh - $233,107 NM retail ($662,083 Total Company)** (WBS Level 2 No. D.0001980.006). This project will refresh the IT Monitoring capabilities to improve the visibility into health status, availability, and performance of devices throughout SPS's network and infrastructure.

- **Real Time Scheduling Engine - $209,591 NM retail ($595,291 Total Company)** (WBS Level 2 No. D.0002430.012). Please see description above in Section III.D.

- **Enterprise Data Analytics - $176,657 NM retail ($501,751 Total Company)** (WBS Level 2 No. D.0002091.004). This project will enhance the data science tool in the Enterprise Data and Analytics team to provide collaboration and enable model deployment.

- **OSI PI Environment Refresh - $148,092 NM retail ($420,619 Total Company)** (WBS Level 2 No. D.0002131.004). This project will upgrade, expand, and replace elements of the critical OSI PI system. The OSI PI system collects real-time data from hundreds of assets and delivers operations data that is readily available for sharing, analysis, and decision-making.

- **Session Initiation Protocol Trunking - $137,048 NM retail ($389,252 Total Company)** (WBS Level 2 No. D.0002495.004). This project will migrate over 100 SIP ready sites to Xcel Energy's Session Initiation Protocol Trunking Platform. This project will build the foundation for moving Voice to the Cloud Platform.

- **Route and Switch Enhancements - $123,228 NM retail ($350,000 Total Company)** (WBS Level 2 No. D.0001948.004). This project includes a variety of work process optimization activities, such as replacing legacy catalyst and fabric extenders, resolving hazard switch and routing hardware, and standardizing underlay and overlay capabilities.

- **SPS Microwave - $107,770 NM retail ($306,095 Total Company)** (WBS Level 2 No. D.0002398.008). This project will install and upgrade radios, as well as upgrade and provide more bandwidth for future utilization. This will bolster our microwave radio network and eliminate fading connectivity during inclement weather.

Q. Please describe the types of projects included in the Cyber Security category for the Future Test Year Period.

A. This category of investment includes the capital additions necessary for maintaining and strengthening our cyber security environment to prevent cyber-attacks. The projects described below account for 94% of the dollars of the total capital additions in this category. The remaining 6% of the projects are similar in nature in that they provide prevention, detection, containment, and repair services to protect SPS from cyberattacks and to assist in recovery if such an attack occurs. The total investment in this category amounts to $2,284,109 New Mexico retail ($6,487,451 Total Company) during the period.

- **IT Security Refresh - $1,094,464 NM retail ($3,108,557 Total Company)** (WBS Level 2 No. D.0001807.004). Similar to the Emergent Demand category, these dollars have been set aside to fund important and unexpected projects or changes in scope of previously-planned projects within the Cyber Security portfolio. As new threats emerge, it is imperative that we keep our cybersecurity technology up to date, as well as ensure continued compliance with regulatory requirements and overall corporate security objectives while reducing our business's and our customers' exposure to evolving cyber security risks and vulnerabilities. This work will be placed in service as the individual pieces of technology become ready for use. This project is in the initial stages of planning, with cost and schedule estimates based on internal experience with similar implementations. We will follow a competitive bid process to ensure that costs remain in-line with the approved budget, that Xcel Energy receives

quality service at a fair price, and that business value is delivered per the agreed requirements.

- **Verint Security Camera Server Replacement - $742,205 NM retail ($2,108,052 Total Company)** (WBS Level 2 No. D.0002416.004). Xcel Energy has Windows devices, camera servers, and workstations across several sites that are used for video storage and are currently owned and supported by VTI. These Windows 2008 servers have reached end-of-life, operating in non-standard mode and producing significant security vulnerability risks. This refresh project provides for the planned replacement of aging servers prior to failure to support business growth and maintain reliability. This project will also allow Xcel Energy the opportunity to assume device ownership and manage device support.

- **Analog Security Camera Upgrade - $176,658 NM retail ($501,753 Total Company)** (WBS Level 2 No. D.0002384.006). Please see description above in Section III.C.

- **Service Account Remediation - $143,095 NM retail ($406,426 Total Company)** (WBS Level 2 No. D.0002486.004). Please see description above in Section III.D.

Q. Please describe the types of projects included in the AGIS category for the Future Test Year Period.

A. As mentioned in the Base Period, the AGIS category captures Xcel Energy's work to build an advanced electric grid that is more resilient and provides more tools and options for customers. The total investment in this category amounts to $566,950 New Mexico retail ($1,610,283 Total Company) during the period and included only one project:

- **Advanced Metering Infrastructure - $566,950 NM retail ($1,610,283 Total Company**) (WBS Level 2 No. D.0001901.068, D.0001901.074, D.0001901.082). Advanced Metering Infrastructure ("AMI") is a system of advanced meters, communications networks, and data management systems that enable two-way communication between utilities' business and operational data systems and meters enabling added benefits for customers and the utilities. AMI meters are able to alert on specific operating events, measure and transmit voltage, current, and power quality data and can act as a "meter as a sensor," and, for instance, can provide near real-time monitoring between the meter and ADMS. The AMI system must be integrated to other enterprise systems of record to enable end-to-end business transactional processing and keep information timely, accurate and consistent in support of those business processes. This will allow SPS to improve the monitoring and control of load flow from substations to the edge of the grid, which enables multiple performance objectives to be realized over the entire grid.

Q. Please describe the types of projects included in the Customer category for the Future Test Year Period.

A. This category of investment includes the capital additions necessary to improve the customer experience. The total investment in this category amounts to $1,290,500 New Mexico retail ($3,665,348 Total Company) during the period. The projects described below account for 100% of the dollars of the total capital additions in this category:

- **Customer Experience Transformation Phase 3 - $1,161,886 NM retail ($3,300,051 Total Company)** (WBS Level 2 No. D.0001924.020, D.0002493.004). This project encompasses five different initiatives:

- **Business Portal:** This project leverages the Residential MyAccount, Salesforce Energy Utility Cloud, and AMI data investments. It enables the realization of AGIS requirements, the Rate Advisor, and Growth Products through information unification and a shared view.

- **MyAccount Mobile App Enhancements:** This project will create feature enhancements necessary to meet customer expectations.

- **Energy Utilities Cloud:** Core CRM is a tool that creates a simple user interface for a collection of data that will help Xcel Energy recognize and communicate with customers in a scalable way. The Core CRM implementation will serve as the foundation for the enterprise as it relates to customer data. This implementation will transition from legacy CRS to a new Salesforce platform, creating a new system of record for customer data. Part of this implementation involves foundational data and integrations work that will allow for transition and future scalability. The existing multiple data stores today is not scalable, costly to maintain, and limits our ability to report efficiently. Core CRM will support our employees and customers through efficient processes and improved self-service capabilities.

- **Agent Console:** This project will create a unified agent experience and enable consistent information, automated processes and immediate information by creating a single view of the customer across the organization, recording all interactions, and easily reporting on activity and cases. This initiative lays the foundation for future customer engagement strategies, including our ability to provide product and service offerings that best match customer needs.

- **Text-to-Pay:** This project will provide customers with the option to pay by text message, which in turn will improve payment processing speed by reducing manual payments via phone, snail mail, bank transfer, etc.

Q. Please describe the types of projects included in the Emergent Demand category.

A. As described in Section III.D, the Emergent Demand category does not include identifiable projects yet, but rather reserves expected investment to ensure Technology Services is able to meet unanticipated cybersecurity, aging technology, and efficiency needs that inevitably emerge during the Future Test Year. SPS's portion of the total investment in this category amounts to $120,651 on a New Mexico retail basis ($342,680 Total Company) during the Future Test Year Period. This amount is based on forecasted business priorities for this time period, balanced by the overall business area capital spending guidelines.

Q. You include in the Future Test Year the "Savings Target" category, which was not included in the Base Period or the Linkage Period. Please explain what the Savings Target category refers to.

A. The Savings Target category is unique to the Future Test Year period. The Xcel Energy Executive Committee initially approved project investment during this period that was more than the total amount ultimately budgeted to Technology Services. As a result, Technology Services plans to reduce the initially approved total investment for this period by the Savings Target of $419,294 NM retail ($1,190,900 Total Company). Because Technology Services had not at the time of

this filing identified the specific projects from which these savings will be realized, SPS is reducing the total amount of investment requested to be placed into rate base for this period by the Savings Target. Ultimately, while Xcel Energy cannot be certain these savings will be realized between July 1, 2023 and June 30, 2024, it is reducing its overall Technology Services capital addition request in this case to facilitate budget reconciliation and reflect the savings goal.

Q. Attachment MOR-4 includes capitalized affiliate costs in the Future Test Year Period. Will those affiliate costs be necessary to complete the projects listed in Attachment MOR-4?

A. Yes. The affiliate charges reflected in Attachment MOR-4 are for IT services expected to be provided to SPS by XES during the Future Test Year Period. These are the same types of services I described in the Base Period and Linkage Period and are necessary for the same reasons.

Q. Are the Technology Services-related capital additions listed on Attachment MOR-4 that will be closed to plant-in-service during the Future Test Year Period, including the capitalized affiliate charges, reasonable and necessary?

A. Yes. The capital projects listed in Attachment MOR-4 will be necessary to provide the technology infrastructure and systems that enable the provision of efficient,

effective, and safe electric service to SPS's customers. Technology is necessary for much of SPS's work including to efficiently dispatch work to the field, operate generating facilities, effectively purchase fuel, manage and monitor the electrical system, bill customers for service, develop budgets and track expenditures, pay employees, and offer programs to customers and respond to their inquiries.

Q. Have you prepared an attachment showing the differences between the Base Period and the Future Test Year Period for the Technology Services cost center?

A. Yes. Attachment MOR-5 shows the differences between the Base Period and the Future Test Year Period. As required by Rule 17.1.3.18(B), Attachment MOR-5 contains:

1. a column showing actual expenditures during the Base Period;[15]
2. a column showing the estimated expenditures during the Future Test Year Period;
3. a column showing the variance between the two; and

[15] Although this portion of the Future Test Year Period Rule refers to "expenditures," SPS assumes that the Commission is seeking information about the cost of capital assets actually placed in service during the Base Period and the Future Test Year Period in order to have an apples-to-apples comparison. Expenditures are measured at the time money is spent, which may be months or even years before an asset is placed in service.

4. a column providing an explanation for the differences between the Base Period data and the Future Test Year Period estimates, including estimates that took place in the linkage data.

Q. Please generally describe the variance seen between Technology Services Base Period capital investment and Future Test Year Period capital investment.

A. As shown on Attachment MOR-5, the total change between actual Base Period Technology Services capital investment and anticipated Future Test Year Technology Services capital investment is $1,368,571 on a Total Company basis. This is only a two percent change. Consequently it does not qualify as a material variance under the Future Test Year Period Rule because it does not exceed 6% and $100,000 Total Company.

However, as shown in Attachment MOR-5, SPS expects a $10,683,659 (Total Company) or 17% variance between the Base Period and the Linkage Period in Technology Services capital investment. The higher increase from Base Period to Linkage Period as compared to the increase from Base Period to Future Test Year Period reflects how timing impacts capital addition levels. Although the Technology Services capital spend budget remains relatively the same over the three periods, the capital additions (plant-in-service) trend does not mirror the capital expenditure (spend) trend and may fluctuate more depending on the length

of time individual projects require to complete. The capital expenditure trend reflects the progress of the project through the months, whereas the capital addition trend reflects the total at the conclusion of the construction or implementation process when the asset is placed in service. In short, SPS expects more Technology Services assets to become used and useful during the Linkage period than during the Future Test Year Period.

Q. Does Technology Services' forecasted capital additions during the Future Test Year Period assume that volumes, costs, or price inputs will change between the Base Period and the Future Test Year Period because of inflation or other factors?

A. The budgeted amounts in the Future Test Year Period are not directly related to the Base Period amounts, but instead are the amounts expected to be closed to plant-in-service during the Future Test Year Period for the projects listed. The forecast for future years is based on current estimates that include escalation factors to reflect expected future costs based on the anticipated timeline and final in-service date of each specific project.

Q. Does Technology Services' forecasted capital additions during the Future Test Year Period include any types of escalation factors that were applied to the Base Period amounts to arrive at the Future Test Year Period amounts?

A. No. As explained above, Technology Services did not apply any type of escalation factor to Base Period capital investment to arrive at the budgeted Future Test Year Period capital investment. Instead, the forecast for future years is based on current estimates that include escalation factors to reflect expected future costs based on the anticipated timeline and final in-service date of each specific project.

Q. Does Technology Services' forecasted capital additions during the Future test Year Period include any contingency provisions that were applied to the Base Period amounts to arrive at the Future Test Year Period amounts?

A. No. As explained above, the budgeted amounts in the Future Test Year Period are not directly related to the Base Period amounts. SPS builds budgets with actual project estimates. Individual projects may contain contingency provisions within the project, but SPS did not apply contingency provisions across the broad Base Period amounts to arrive at the Future Test year Period amounts.

Q. Does Technology Services' forecasted capital additions during the Future Test Year Period assume that the type or scope of work performed by Technology Services will change between the Base Period and the Future Test Year Period?

A. No. Some of the projects will be the same and some of the projects will be different between the Base Period and the Future Test Year Period, but the type and scope of work performed by Technology Services will be the same in both periods.

IV. TECHNOLOGY SERVICES O&M EXPENSES

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

A. In this section, I will discuss O&M expenses associated with Technology Services and explain that these expenses are reasonable and necessary for the provision of utility service. Consistent with the NMPRC Future Test Year Period Rule,[16] for each of the (1) Base Period[17] and Adjusted Base Period,[18] (2) Linkage Period,[19] and (3) Future Test Year Period,[20] I break down the non-labor Technology Services costs by FERC account or FERC account subcategory, as appropriate; detail the associated elements of cost; and fully explain, support, and justify this Technology Services data. I also support the labor-related expenses associated with Technology Services that were actually incurred during the Base Period. Finally, I identify Technology Services' contribution to the material variances between the Adjusted

[16] 17.1.3.1 NMAC et seq.

[17] SPS's base period in this proceeding begins July 1, 2021 and ends June 30, 2022 (the "Base Period").

[18] SPS's adjusted base period in this proceeding is the Base Period adjusted as described by SPS witness Stephanie N. Niemi (the "Adjusted Base Period").

[19] SPS's "Linkage Period" in this proceeding begins July 1, 2022 and ends June 30, 2023. Per the Future Test Year Period Rule, it covers the period of time between the end of the Base Period and the beginning of the Future Test Year Period and includes the required "Linkage Data" as that term is defined in 17.1.3.7(H) NMAC.

[20] SPS's future test year period in this proceeding begins July 1, 2023 and ends June 30, 2024 (the "Future Test Year Period").

Base Period and Future Test Year Period costs identified by SPS witness Stephanie N. Niemi, and I describe the cost drivers behind these contributions.

A. Overview of Technology Services and Associated Expenses

Q. Describe generally the services associated with Technology Services costs.

A. As discussed above, the XES Technology Services organization performs Xcel Energy's shared IT functions across all Operating Companies, including SPS. The key types of activities include all enterprise application development and maintenance, management of IT infrastructure, data center operations and architecture, and IT governance—all of which SPS needs to provide safe and reliable electric service to its customers. To perform this work, Technology Services generally incurs O&M costs in six categories:

- *Application Development and Maintenance*: Costs associated with the development, enhancement, maintenance, and consultation on new or existing IT systems.

- *Software License and Maintenance*: Includes costs for maintenance payments to software vendors pursuant to license agreements associated with various software applications and desktop tools. These fees must be paid to secure vendor support for troubleshooting, enabling access to vendor patches, fixes, and version upgrades.

- *Contract Labor/Consulting*: Consists of fees and expenses for consultants or knowledge base experts that are not employees of Xcel Energy.

- *Hardware Maintenance and Purchase:* Includes costs for maintenance payments to hardware vendors pursuant to license agreements associated with various storage, server and miscellaneous hardware. These fees must be paid to secure vendor support for troubleshooting, fixes and minor purchases.

- *Network Services*: Costs related to the maintenance of existing circuits, phones, microwave and radio systems, and other IT communication assets. Network activities provide operations and management of SPS's internal and external data transmission requirements.

- *Other Categories:* Includes Employee Expenses; Mainframe; Donations, Dues, and Fees; Shared Asset Allocation, outsourcing services not included in the other categories, and other small purchases.

Q. Do the Technology Services O&M expenses include native SPS costs? If yes, please explain.

A. Native SPS costs are those costs incurred directly by SPS associated with the provision of electric service to customers. Native Technology Services costs may include materials and other non-fuel O&M costs. For example, hardware maintenance specific to a location would be native costs.

Q. Do the Technology Services O&M expenses include affiliate charges? If yes, please explain.

A. Yes. Affiliate charges are primarily those costs associated with services provided by XES—Xcel Energy's service company—to SPS. Affiliate charges can also

include services provided to SPS by other Operating Companies or affiliated interests. As explained above, Ms. Doyle explains how affiliate costs are allocated to SPS in her Direct Testimony. SPS incurs affiliate charges from the Technology Services organization at XES to support all enterprise application development and maintenance, management of IT infrastructure, data center operations and architecture, and IT governance. For example, software maintenance for the Microsoft office technology would be allocated to SPS.

Q. Are any of the Technology Services affiliate services provided to SPS duplicated elsewhere in XES or in any other Xcel Energy subsidiary, such as SPS itself?

A. No. None of the services provided by the XES Technology Services organization are duplicated elsewhere. No other Xcel Energy subsidiary performs these services for the Operating Companies. In addition, SPS does not perform these services for itself.

Q. How does XES bill SPS for the services provided by Technology Services?

A. Each charge from XES for these services is billed at cost and is no higher than the charge by XES to any other entity for the same or similar service.

Q. Are the services grouped within Technology Services necessary for SPS's operations?

A. Yes. The services provided by the Technology Services organization are necessary to support SPS's safe and reliable operations and respond to ever-changing technological needs.

Q. Do SPS's New Mexico retail customers benefit from the services associated with the specific Technology Services O&M expenses you sponsor?

A. Yes. New Mexico retail customers benefit from Technology Services in the following ways:

- *Foundational Technology Infrastructure:* Technology Services provides support for each SPS employee's hardware and software needs, including the provision and maintenance of hardware such as computers, phones, and servers; maintaining and updating operating systems; and providing sufficient data storage capabilities. Technology Services also provides protection from cybersecurity attacks, including but not limited to computer viruses.

- *Systems Control:* Technology Services provides support to our Generation, Transmission, and Distribution business areas to enable management and operation of the electric and gas systems. One of the systems that we maintain is the Outage Management System ("OMS"), which tracks customer outages and dispatches repair crews to restore service. Technology Services also supports the SCADA system, which is used to monitor the health of the electric and gas transmission and distribution systems.

- *Customer IT Support:* Technology Services supports the hardware and software needed to facilitate interactions with New Mexico retail customers.

These activities include maintaining the Xcel Energy website that provides important information to customers about outages, the status of their account, safety, information required by our regulators, and SPS operations. Technology Services also maintains the CRS, which is our customer information system, and which generates billing statements to New Mexico retail customers on a monthly basis. Technology Services also supports the Interactive Voice Response software that enables interaction with customers via telephone keypad or speech recognition.

- *Corporate IT Support:* Technology Services provides IT support for necessary corporate functions such as Human Resources and Financial Management.

B. Presentation of Technology Services O&M Expense Data

Q. How did SPS derive the Future Test Year Period O&M expenses generally?

A. SPS did not use budgeting to identify expected Linkage Period and Future Test Year Period O&M expenses, including Technology Services expenses. Instead, SPS made specific and discreet known and measurable adjustments to the Adjusted Base Period O&M expenses to reflect changes SPS expects to occur during these future periods. Where necessary, SPS adjusted the per book Base Period expenses first to ensure that the starting point was appropriate for the discreet known and measurable adjustments in the Linkage Period and Future Test Year Period.

Q. At a high level, how does SPS present O&M expenses in this proceeding?

A. To comply with the Commission's Future Test Year Rule, SPS presents its O&M data in several separate views. In Attachment SNN-10, Tab 2, SPS witness

Stephanie N. Niemi presents SPS's O&M expenses (Total Company) by FERC account and FERC account subcategory[21] for the following periods: (1) the Base Period and Adjusted Base Period, (2) the Linkage Period, and (3) the Future Test Year Period.[22] This attachment also identifies the variance between the Adjusted Base Period[23] expenses and Future Test Year Period expenses by FERC account or FERC account subcategory and highlights where material variances exist.[24]

[21] Consistent with 17.1.3.16(B)(1) NMAC, each FERC account has been subdivided where necessary to a level that is sufficient to identify cost drivers and demonstrate where variations between the Adjusted Base Period and Future Test Year Period occur (a "FERC account subcategory").

[22] *See* 17.1.3.12 NMAC; 17.1.3.15 NMAC; 17.1.3.16(B) NMAC.

[23] SPS notes that 17.1.3.6 NMAC states that the objective of the Rule is to "provide for a complete and comprehensive rate case filing that, by including full explanations and justifications of changes in items between the *adjusted base period*, linkage data and future test year period as required by this rule should minimize the amount of discovery needed by commission staff…and intervenors to analyze a filing." 17.1.3.6 NMAC (emphasis added). 17.1.3.7 NMAC defines "material change" or "material variance" as "a change or variance in cost between the *adjusted base period* and the future test year period." 17.1.3.7(J) NMAC (emphasis added). Later, however, 17.1.3.17(A) NMAC states that "[f]or any material changes between *base period* and future test year period, cost drivers shall be separately identified, explained and justified as well as linked to the historical base period and any linkage data." 17.1.3.17(A) NMAC (emphasis added). And 17.1.3.18(B) NMAC directs an applicant to include a side-by-side comparison with "a column showing actual expenditures during the *base period*; a column showing the estimated expenditures during the future test year period; a column showing the variance between the two; and a column providing an explanation (or a reference to the written testimony requirement under Subsection D of this section) for the differences between the *base period* data and the future test year period estimates, including occurrences which took place in the linkage data." 17.1.3.18(B) NMAC (emphasis added). Consistent with the Future Test Year Period Rule's objective and the material variance definition and to ensure an apples-to-apples comparison throughout all relevant data, SPS focuses on Adjusted Base Period amounts, rather than Base Period amounts, when presenting variation data in testimony. Nonetheless, to ensure compliance with the NMPRC Future Test Year Period Rule, SPS has included the variance between the Base Period expenses and Future Test Year expenses in Ms. Niemi's Attachment SNN-10, Tab 2.

[24] *See* 17.1.3.16(B) NMAC; 17.1.3.18(B) NMAC.

Separately, in Attachment SNN-10, Tab 3, Ms. Niemi presents a more granular view of the general O&M data. There, the general O&M expenses included in each FERC account or FERC account subcategory are further divided into elements of cost, including labor-related cost elements.[25] This view of the O&M data is presented on both a Total Company and New Mexico retail basis.[26]

In Attachment SNN-10, Tab 4, Ms. Niemi separates out the labor-related cost elements from the general O&M data for the Base Period. In conjunction with the Business Area witnesses, Michael P. Deselich support the Base Period labor amounts reflected in this tab. Mr. Deselich also identifies, fully explains, and justifies any labor-related cost drivers that contributed to material variances between the Adjusted Base Period and the Future Test Year Period identified by Ms. Niemi.

Finally, in Attachment SNN-10, Tab 5, Ms. Niemi presents the non-labor cost elements of general O&M expenses for the Base Period and Adjusted Base Period, the Linkage Period, and the Future Test Year Period by Business Area. Each Business Area's general O&M (non-labor) expenses are presented by FERC

[25] *See* 17.1.3.16(B) NMAC.

[26] *See* 17.1.3.16(B) NMAC.

account or FERC account subcategory, as appropriate.[27] Next, the expenses in each FERC account or FERC account subcategory are further divided by non-labor cost element.[28] Generally, SPS's Business Area witnesses fully explain, justify, and support the O&M data presented by Ms. Niemi for their applicable Business Area in Attachment SNN-10, Tab 5, including variances from period to period.[29] However, as noted throughout testimony, Ms. Niemi sponsors many of the adjustments made to Base Period amounts to arrive at the Adjusted Base Period amounts. Business Area witnesses also identify, fully explain, and justify any non-labor Business Area cost drivers that contributed to material variances between the Adjusted Base Period and the Future Test Year Period identified by Ms. Niemi.[30]

Q. Which Business Area O&M expenses do you sponsor?

A. I sponsor the Technology Services O&M expenses. This includes (1) the labor-related expenses associated with Technology Services that were incurred during the Base Period (in conjunction with Mr. Deselich), (2) the non-labor expenses

[27] *See* 17.1.3.16(B) NMAC; 17.1.3.16(B)(1)-(2) NMAC.

[28] *See* 17.1.3.16(B) NMAC; 17.1.3.16(B)(1)-(2) NMAC.

[29] *See* 17.1.3.6 NMAC; 17.1.3.14 NMAC; 17.1.3.17 NMAC; 17.1.3.18 NMAC.

[30] *See* 17.1.3.17(A) NMAC; 17.1.3.17(D) NMAC.

associated with Technology Services that were incurred during the Base Period, and (3) the non-labor known and measurable adjustments made to Adjusted Base Period data associated with Technology Services to reach the Future Test Year Period data. Attachment MOR-6 to my direct testimony is an excerpt of Ms. Niemi's Attachment SNN-10, Tab 4 and Tab 5 that relates to Technology Services specifically.

Q. What FERC accounts and FERC account subcategories are captured within the Technology Services O&M expenses?

A. Attachment MOR-6 column C and the following table identify the FERC accounts and FERC account subcategories included within the Technology Services O&M expenses.

Table MOR-9
FERC Accounts Containing Technology Services O&M

FERC Account/ FERC Account Subcategory	Account Description
506	Miscellaneous steam power expenses
549	Miscellaneous other power generation expenses
556	System control and load dispatching
560	Operation supervision and engineering
561.2	Load dispatch-Monitor and operate transmiss system
561.5	Reliability planning and standards development
566	Miscellaneous transmission expenses
580	Operation supervision and engineering

FERC Account/ FERC Account Subcategory	Account Description
581	Load dispatching
588	Miscellaneous distribution expenses
902	Meter reading expense
903	Customer records and collection expenses
909	Informational and instruction advertising expense
912	Demonstrating and selling expenses
920	Administrative and general salaries
921	Office supplies and expenses
922	Administrative expenses transferred-Credit
923	Outside services employed
930.1	General advertising expenses
930.2	Miscellaneous general expenses
931	Rents
935	Maintenance of general plant

Q. Do you detail the elements of cost included in each FERC account and FERC account subcategory associated with Technology Services?

A. Yes. In Attachment MOR-6, Tab 1 in column E, I identify the labor-related elements of cost for each FERC account/FERC account subcategory for the Base Period. In Attachment MOR-6, Tab 2 column E, I identify the non-labor elements of cost for the Base Period and Adjusted Base Period, Linkage Period, and Future Test Year Period.

Q. Please explain what you mean when you use the term, "elements of cost."

A. The Future Test Period Rule defines the phrase "elements of cost" to mean types of cost such as labor, materials, outside services, contract costs, important clearings,

and all other types of cost combined as one category.[31] I use the term in this manner throughout my testimony.

C. Full Explanations, Justifications, and Support for Technology Services Data

Q. Does your testimony explain and justify quantities, assumptions, expectations, activity changes and the like associated with the Technology Services data presented herein?

A. Yes. In this section of my testimony I fully explain, justify, and support the Technology Services data presented for the Base Period and Adjusted Base Period, the Linkage Period, and the Future Test Year Period.

Q. Does your testimony include full explanations and justifications of changes between the Adjusted Base Period, the Linkage Period, and the Future Test Year Period associated with the Technology Services data presented herein?

A. Yes. In this section of my testimony, I fully explain and justify changes seen between the Adjusted Base Period, the Linkage Period, and the Future Test Year Period.

[31] *See* 17.1.3.7(F) NMAC.

1. Base Period and Adjusted Base Period

Q. What is the Base Period in this proceeding?

A. SPS's Base Period in this proceeding is the historical 12-month period beginning July 1, 2021 and ending June 30, 2022.

Q. Please summarize the expenses reflected in the FERC accounts/FERC account subcategories and elements of cost encompassed within the Base Period data sponsored by you.

A. The Technology Services expenses reflected in the FERC accounts/FERC account subcategories and elements of cost identified on Attachment MOR-6 primarily consist of the costs associated with labor, incentive compensation, consulting, contract labor, miscellaneous other, and overhead. Attachment MOR-6, Tab 1 identifies all of the applicable FERC accounts/FERC account subcategories and the associated labor-related elements of cost and expense amounts while MOR-6, Tab 2 identifies all of the applicable FERC accounts/FERC account subcategories and the associated non-labor elements of cost and expense amounts.

Q. What were the actual labor-related expenses associated with Technology Services incurred by SPS during the Base Period?

A. During the Base Period, Technology Services incurred $7,169,380 in Total Company labor-related expenses as reflected on Attachment MOR-6, Tab 1. Mr.

Deselich presents labor-related expenses on a New Mexico retail basis by FERC account/FERC account subcategory.

Q. Did SPS adjust the Base Period labor-related O&M expenses to arrive at Adjusted Base Period amounts?

A. Yes. Mr. Deselich and Ms. Niemi discuss these adjustments in detail in their testimony.

Q. Were the Technology Services labor-related expenses incurred during the Base Period reasonable and necessary?

A. Yes.

Q. Please elaborate.

A. Technology Services is necessary for much of SPS's work, including to efficiently dispatch work to the field, operate generating facilities, effectively purchase fuel, manage and monitor the electrical system, bill customers for service, develop budgets and track expenditures, pay employees, and offer programs to customers and respond to their inquiries. Approximately 26% of the Base Period Technology Services O&M costs are labor-related. Technology Services had 736 employees (10 interns, 726 non-interns) as of the end of the Base Period. Technology Services relies on internal employees where possible and cost effective, and these

employees' work is necessary to support the ever-changing technology needs of the Operating Companies, including SPS. These employees were compensated during the Base Period at appropriate, market levels as discussed in detail by Mr. Deselich.

Q. What were the actual non-labor-related expenses associated with Technology Services incurred by SPS during the Base Period?

A. During the Base Period, Technology Services incurred $20,760,823 in Total Company non-labor-related expenses as reflected on Attachment MOR-6, Tab 2. Ms. Niemi presents non-labor-related expenses on a New Mexico retail basis by FERC account/FERC account subcategory**.**

Q. Did SPS adjust the Base Period non-labor-related O&M expenses to arrive at Adjusted Base Period amounts?

A. Yes. As reflected on MOR-6, Tab 2. Technology Services non-labor O&M was adjusted downward by a total of $16,301, which includes business area adjustments, a wholesale account manager expense adjustment, and a brand and general advertising expense adjustment. Ms. Niemi discusses these adjustments in her testimony and attachments.

Q. Were the non-labor Technology Services O&M expenses incurred during the Base Period as adjusted in the Adjusted Base Period reasonable and necessary?

A. Yes.

Q. Please elaborate.

A. As discussed, technology is necessary for much of SPS's work, including to efficiently dispatch work to the field, operate generating facilities, effectively purchase fuel, manage and monitor the electrical system, bill customers for service, develop budgets and track expenditures, pay employees, and offer programs to customers and respond to their inquiries. $20,760,823 (Total Company) non-labor expenses represents approximately 74% of the total Technology Services O&M costs for the Adjusted Base Period. Most of these expenses relate to goods or services procured by contract. These goods and services cannot be provided by internal Xcel Energy employees at a reasonable cost or external sources have better expertise and are necessary to support SPS's operations.

To ensure external expenses remain reasonable, Technology Services continually takes steps to control costs. These efforts may include: increasing or decreasing the scope of outsourced services, increasing or decreasing the use of

consultants, and changing service providers. We also use competitive bidding practices and a multi-vendor sourcing strategy where possible, which enables SPS to use a combination of internal and external resources to minimize costs and maximize efficiencies in running our systems. In addition, Technology Services actively interacts with other IT organizations to learn how they control costs.

When appropriate, we renegotiate contracts with key vendors and use a multi-vendor sourcing strategy to maintain competition between vendors for our business. One new example is our increased use of fixed bid versus time and materials agreements with vendors for project delivery activities. This improvement places a shared burden on the service providers to ensure costs remain within the expected totals.

SPS uses multiple vendors, which encourages competition among each other for our business and creates an incentive to keep the price of their services competitive. Overall, we are constantly managing spending, ensuring alliance with our budget, and looking for opportunities to control or reduce costs. The non-labor O&M expenses incurred during the Base Period as adjusted in the Adjusted Base Period are reasonable and necessary to ensure that utility operations get the technology support they need.

2. Linkage Period

Q. Please briefly explain the issues and related costs you will address in this section of your testimony.

A. In this section of my testimony I discuss the known and measurable adjustment made to the Adjusted Base Period non-labor[32] Technology Services expenses described in Section IV to arrive at the Linkage Period non-labor Technology Services expenses.

Q. What is the Linkage Period in this proceeding?

A. SPS's Linkage Period in this proceeding begins July 1, 2022 and ends June 30, 2023.

Q. What is "Linkage Data"?

A. The term "linkage data" refers to a specific and detailed description of all line items for the period of time between the end of the Base Period and the beginning of the Future Test Year Period required by the rule to create a "verifiable link" between Future Test Year Period data and Base Period data. The rule states that linkage data does not constitute a test period, but instead is provided for the purpose of validating the information contained in the Future Test Year Period.

[32] As noted earlier, Mr. Deselich discusses known and measurable adjustments to all labor-related expenses to arrive at Linkage Period and Future Test Year Period amounts.

Q. What are the Technology Services non-labor expenses SPS expects to incur during the Linkage Period?

A. During the Linkage Period, Technology Services expects to incur $23,551,395 in Total Company expenses. [33]

Q. How was this amount derived?

A. SPS made two discreet upward adjustments to non-labor Adjusted Base Period Technology Services O&M expenses totaling $3,285,732 (Total Company) to arrive at the Linkage Period amount. The first adjustment of $478,858 (Total Company) is associated with deployment of the ADMS capital project described in Section III.C of my testimony. The second adjustment of $2,806,873 relates to increased business demand for software applications, which includes online subscriptions, term and perpetual licenses, and software maintenance for existing and expected applications during the Linkage Period.

Q. Is the ADMS-related adjustment known and measurable?

A. Yes. This adjustment reflects the costs SPS will incur during the Linkage Period under existing vendor schedules to deploy the ADMS capital project.

[33] As noted earlier, Ms. Niemi provides O&M expenses jurisdictionalized by FERC account and cost element.

Q. Is the ADMS-related adjustment reasonable and necessary?

A. Yes. Increasing the Adjusted Base Period amounts by $478,858 (Total Company) during the Linkage Period is necessary to support the deployment of the ADMS capital project discussed in Section III.C. Without this technology services support, ADMS will not be capable completing the project. Technology Services ensured the costs for these services under the existing vendor contract are reasonable by following Xcel Energy's supply chain process and controls.

Q. Is the general software support adjustment known and measurable?

A. Yes. The vast majority of this adjustment reflects the costs SPS will incur during the Linkage Period under existing vendor schedules to operate and maintain SPS's current software applications. A small portion of this adjustment reflects costs SPS expects to incur during the Linkage Period under vendor contracts that will expire during the period, but which SPS knows it will extend. These amounts were based on historic vendor schedules.

Q. Is the general software support adjustment reasonable and necessary?

A. Yes. Increasing the Adjusted Base Period amounts by $2,806,873 (Total Company) during the Linkage Period is necessary to support increasing business demand for software applications, which includes online subscriptions, term and perpetual

licenses, and software maintenance for existing and expected applications. All software applications must be continuously updated and maintained to limit security vulnerabilities and ensure safe and reliable service to customers. Technology Services ensured the costs for these services under existing vendor contracts are reasonable by following Xcel Energy's supply chain process and controls and will do the same when expiring contracts are renewed.

Q. Is the Linkage Period data presented in a way that provides a reasonable approximation of jurisdictional amounts for Future Test Year Period comparison purposes?

A. Not in my testimony. Ms. Niemi provides jurisdictionalized O&M information in her testimony attachments.

Q. Does the Linkage Period provide verifiable information that allows Commission Staff and Intervenors to assess the validity of the information contained in the Future Test Year Period discussed in the next section of your testimony?

A. Yes. The linkage data presented provides the necessary support to link the Future Test Year Period amounts to the Adjusted Base Period amounts.

3. Future Test Year Period

Q. Please briefly explain the issues and related costs you will address in this section of your testimony.

A. In this section of my testimony I discuss the known and measurable adjustment made to the Linkage Period non-labor[34] Technology Services expenses described in Section IV.C.2 to arrive at the Future Test Year Period non-labor Technology Services expenses. I explain why this adjustment is reasonable and necessary and why the Future Test Year Period amounts are appropriate for SPS to recover through base rates.

Q. What is the Future Test Year Period?

A. SPS's Future Test Year Period in this proceeding is the 12-month period beginning July 1, 2023 and ending June 30, 2024.

Q. What are the Technology Services non-labor expenses SPS expects to incur during the Future Test Year Period?

A. During the Future Test Year Period, Technology Services expects to incur $24,174,774 in Total Company expenses.[35]

[34] As noted earlier, Mr. Deselich discusses known and measurable adjustments to all labor-related expenses to arrive at Linkage Period and Future Test Year Period amounts.

[35] As noted earlier, Ms. Niemi provides O&M expenses jurisdictionalized by FERC account and cost element.

Q. How was this amount derived?

A. The Future Test Year Period non-labor Technology Services O&M expense is based on expenses incurred during the Base Period as adjusted in the Adjusted Base Period, plus the $3,285,732 (Total Company) known and measurable adjustment discussed in the Linkage Period (Section IV.C.2), plus one additional discreet adjustment of $144,521 occurring during the Future Test Year Period. This Future Test Year Period adjustment relates to increased business demand for software applications (the same type of services included in the general software adjustment described in the Linkage Period Section IV.C.2).

Q. Is this adjustment known and measurable?

A. Yes. The vast majority of this adjustment reflects the costs SPS will incur during the Future Test Year Period under existing vendor schedules to operate and maintain SPS's current software applications. A small portion of this adjustment reflects costs SPS expects to incur during the Future Test year Period under vendor contracts that will expire during the period, but which SPS knows it will extend. These amounts were based on historic vendor schedules.

Q. Is this adjustment reasonable and necessary?

A. Yes. Increasing the Linkage Period amounts by $144,521 (Total Company) during the Future Test Year Period is necessary to support increasing business demand for

software applications, which includes online subscriptions, term and perpetual licenses, and software maintenance for existing and expected applications. All software applications must be continuously updated and maintained to limit security vulnerabilities and ensure safe and reliable service to customers. Technology Services ensured the costs for these services under existing vendor contracts are reasonable by following Xcel Energy's supply chain process and controls and will do the same when expiring contracts are renewed.

Q. Why was the Linkage Period Adjustment so much larger than the Future Test Year adjustment?

A. The Linkage Period Adjustment reflects the increased maintenance and support as noted above, however, SPS changed managed service providers supporting application development in an effort to limit O&M growth. This change resulted in lower application development costs, partially offsetting what would have otherwise been a larger increase in maintenance and support expected during the Future Test Year Period.

Q. Was the method used in developing the Future Test Year Period O&M expenses based on Technology Services' most recently available data?

A. Yes. As discussed throughout my testimony, the Future Test Year Period O&M expenses are based on expenses incurred during the Base Period (as adjusted in the

Adjusted Base Period) and a handful of discreet known and measurable adjustments occurring in the Linkage Period and Future Test Year Period, which are based primarily on existing vendor maintenance schedules that provide for these costs.

Q. How, if at all, do the amounts used in the Future Test Year Period relate to the Base Period amounts?

A. As described, SPS started with Adjusted Base Period O&M expenses and made specific and discreet known and measurable adjustments to reach Future Test Year Period amounts. For Technology Services non-labor O&M expenses that involved two upward adjustments during the Linkage Period and one upward adjustment during the Future Test Year Period totaling $3,430,252 (Total Company).

Q. Are the FERC accounts/FERC account subcategories and elements of cost used for the Future Test Year Period the same or similar to those appearing in the Base Period and Linkage Period?

A. Yes. Further, the expenses reflected in these accounts are largely the same.

Q. Has SPS calculated the differences by FERC account or FERC account subcategory, if applicable, between the Adjusted Base Period and the Future Test Year Period?

A. Yes. Ms. Niemi's Attachment SNN-10, Tab 2 shows the differences by FERC account or FERC account subcategory, as applicable, between the Adjusted Base Period and the Future Test Year Period. This attachment contains:

1. a column showing actual expenditures during the Adjusted Base Period;[36]

2. a column showing the estimated expenditures during the Future Test Year Period;

3. a column showing the variance between the two; and

4. a column providing an explanation or reference to the written testimony that explains the differences between the Adjusted Base Period data and the Future Test Year Period estimates.

Q. What does the Future Test Year Period Rule deem a material variance in cost between the Adjusted Base Period and Future Test Year Period?

A. The Future Test Year Period Rule defines "material change" or "material variance" as a change or variance in cost between the Adjusted Base Period and Future Test Year Period for a FERC account that exceeds 6% and $100,000 Total Company.[37]

Q. Did Technology Services' non-labor expenses contribute to any material changes between the Adjusted Base Period and Future Test Year Period?

A. Yes. As shown on Ms. Niemi's Attachment SNN-10, Technology Services contributed to material variances that occurred in FERC Account 588 and FERC Account 921.

[36] As described in Note 23 above, SPS has focused on Adjusted Base Period amounts here, rather than Base Period amounts, to ensure an apples-to-apples comparison.

[37] *See* 17.1.3.7(J)(1) NMAC.

Q. Please separately identify, explain, and justify the cost driver(s) for each material change and link it to the Adjusted Base Period and Linkage Period data.

A. The cost drivers leading to the material variances in FERC Account 588 and FERC Account 921 are the three known and measurable adjustments that Technology Services made to the Adjusted Base Period amounts described in detail above to address increased costs associated with ADMS deployment and general software support and maintenance. These adjustments are necessary to account for costs that SPS will incur during the Future Test Year Period while deploying the ADMS capital project and performing ongoing and required software application support.

Q. In conclusion, what is the total dollar amount of non-labor Technology Services costs SPS requests in this case on a Total Company basis?

A. The total dollar amount of Technology Services costs SPS requests in this case on a Total Company is $24,174,774 as reflected in the Future Test year Period on Attachment MOR-6.

Q. Are these Technology Services O&M expenses reasonable and necessary?

A. Yes. Technology Services provides a vital service that enables the provision of efficient, effective, and safe electric service to SPS's customers. Dependence on technology is continuing to increase. Technology is necessary for much of SPS's

work, including to efficiently dispatch work to the field, operate generating facilities, effectively purchase fuel, manage and monitor the electrical system, bill customers for service, develop budgets and track expenditures, pay employees, and offer programs to customers and respond to their inquiries. The services performed by Technology Services are necessary to ensure that SPS has the technology infrastructure and systems needed to perform these tasks. They are functions required by all utilities and without which SPS would not be able to provide electric service to its customers. The Future Test Year Period expenses are the Adjusted Base Period expenses with three known and measurable changes to reflect increased costs associated with ADMS deployment and general software support and maintenance. The O&M expenses incurred during the Base Period as adjusted in the Adjusted Base Period are reasonable and necessary for the reasons detailed in Section IV.C.1. Increasing the Adjusted Base Period amounts by a total of $3,430,252 is appropriate to ensure SPS receives the intended benefits of the ADMS project and because maintenance and support must be updated regularly to limit security vulnerabilities and to ensure safe and reliable service. Technology Services ensures its external O&M expenses are reasonable by following the cost

control measures discussed above. The requested $24,174,774 (Total Company) in Technology Services O&M expenses is reasonable and necessary.

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

A. Yes.

BEFORE THE NEW MEXICO PUBLIC REGULATION COMMISSION

IN THE MATTER OF SOUTHWESTERN PUBLIC SERVICE COMPANY'S APPLICATION FOR: (1) REVISION OF ITS RETAIL RATES UNDER ADVICE NOTICE NO. 312; (2) AUTHORITY TO ABANDON THE PLANT X UNIT 1, PLANT X UNIT 2, AND CUNNINGHAM UNIT 1 GENERATING STATIONS AND AMEND THE ABANDONMENT DATE OF THE TOLK GENERATING STATION; AND (3) OTHER ASSOCIATED RELIEF,	)	**CASE NO. 22-00286-UT**
SOUTHWESTERN PUBLIC SERVICE COMPANY,	)	
APPLICANT.	)	

VERIFICATION

On this day, November 18, 2022, I, Michael O. Remington, swear and affirm under penalty of perjury under the law of the State of New Mexico, that my testimony contained in Direct Testimony of Michael O. Remington is true and correct.

/s/ Michael O. Remington
MICHAEL O. REMINGTON

Southwestern Public Service Company

Total Company Amounts and Jurisdictional Percentages

Line No.	Witness	Description	Page No.	Line No.	Total Company Amount	Number Scale	Allocator (Name)	Allocator (%)	NM Amount
1	Remington	Technology Services Capital Additions July 1, 2021 through June 30, 2024	5	7&8	204,713,866	Dollars	LABXAG	Various	70,296,179
2	Remington	Investment Associated with Projects placed in Service July 1, 2021 through June 30, 2022	6	10	64,220,612	Dollars	LABXAG	32.44%	20,831,156
3	Remington	Investment Associated with Projects placed in Service July 1, 2022 through June 30, 2023	6	12	74,904,271	Dollars	LABXAG	35.21%	26,372,380
4	Remington	Investment Associated with Projects placed in Service July 1, 2023 through June 30, 2024	6	14	65,588,983	Dollars	LABXAG	35.21%	23,092,643
5	Remington	Investment Associated with Projects placed in Service July 1, 2021 through June 30, 2022	19	3&4	64,220,612	Dollars	LABXAG	32.44%	20,831,156
6	Remington	Aging Technology	22	Table 2	25,413,927	Dollars	LABXAG	32.44%	8,243,482
7	Remington	Enhance Capabilities	22	Table 2	11,483,963	Dollars	LABXAG	32.44%	3,725,038
8	Remington	Cyber Security	22	Table 2	3,386,080	Dollars	LABXAG	32.44%	1,098,338
9	Remington	AGIS	22	Table 2	14,790,388	Dollars	LABXAG	32.44%	4,797,539
10	Remington	Customer	22	Table 2	9,146,254	Dollars	LABXAG	32.44%	2,966,758
11	Remington	Total	22	Table 2	64,220,612	Dollars	LABXAG	32.44%	20,831,156
12	Remington	Aging Technology	23	4	25,413,927	Dollars	LABXAG	32.44%	8,243,482
13	Remington	WAN SPS	23	6	4,779,621	Dollars	LABXAG	32.44%	1,550,360
14	Remington	LFCM - OT Modernization	23	18	4,764,493	Dollars	LABXAG	32.44%	1,545,452
15	Remington	LFCM - End User Enablement	23	24	2,577,301	Dollars	LABXAG	32.44%	835,996
16	Remington	TWR Replacement	23	27	1,583,405	Dollars	LABXAG	32.44%	513,607
17	Remington	ServiceNow	24	4	1,520,547	Dollars	LABXAG	32.44%	493,218
18	Remington	IT INFS Network Refresh	24	10	1,197,240	Dollars	LABXAG	32.44%	388,347
19	Remington	VoIP Refresh	24	17	972,305	Dollars	LABXAG	32.44%	315,385
20	Remington	Kafka Data Streaming	24	23	772,806	Dollars	LABXAG	32.44%	250,674
21	Remington	Facility IT Investment	24	31	682,841	Dollars	LABXAG	32.44%	221,492
22	Remington	SAP Continuous Improvement	25	5	678,244	Dollars	LABXAG	32.44%	220,001
23	Remington	Integration Resiliency	25	12	636,869	Dollars	LABXAG	32.44%	206,580
24	Remington	NMS 2.X Upgrade Project	25	17	625,884	Dollars	LABXAG	32.44%	203,017
25	Remington	PI for Wind farms	25	29	621,839	Dollars	LABXAG	32.44%	201,705
26	Remington	F5 Renewal	26	5	560,165	Dollars	LABXAG	32.44%	181,700
27	Remington	Oracle Exadata Refresh	26	12	504,883	Dollars	LABXAG	32.44%	163,768
28	Remington	Upgrade Corporate Financial Model	26	15	484,941	Dollars	LABXAG	32.44%	157,300
29	Remington	Technology License	26	27	462,592	Dollars	LABXAG	32.44%	150,051
30	Remington	Enhance Capabilities	27	18	11,483,963	Dollars	LABXAG	32.44%	3,725,038
31	Remington	Digital Operations Factory	28	3	3,736,007	Dollars	LABXAG	32.44%	1,211,844
32	Remington	Avaya Cloud Voice Deployment	28	13	2,587,364	Dollars	LABXAG	32.44%	839,260
33	Remington	Transmission Asset Health Analytics	28	26	1,047,803	Dollars	LABXAG	32.44%	339,875

Southwestern Public Service Company

Total Company Amounts and Jurisdictional Percentages

Line No.	Witness	Description	Page No.	Line No.	Total Company Amount	Number Scale	Allocator (Name)	Allocator (%)	NM Amount
34	Remington	Outage Employee Experience	29	1	941,386	Dollars	LABXAG	32.44%	305,356
35	Remington	Monitoring and Diagnostics Center On-line Thermal Performance Project	29	10	732,701	Dollars	LABXAG	32.44%	237,665
36	Remington	Robitic Process Automation	29	16	529,341	Dollars	LABXAG	32.44%	171,702
37	Remington	Utilities International Customer Revenue System	29	24&25	451,288	Dollars	LABXAG	32.44%	146,384
38	Remington	Unmanned Aircraft Systems Program	29	30	359,247	Dollars	LABXAG	32.44%	116,529
39	Remington	Return to the Office Remediation	30	3	326,148	Dollars	LABXAG	32.44%	105,792
40	Remington	Cyber Security	31	12&13	3,386,080	Dollars	LABXAG	32.44%	1,098,338
41	Remington	SailPoint 2021	31	15	1,295,074	Dollars	LABXAG	32.44%	420,082
42	Remington	SIEM+SOAR	32	1	908,189	Dollars	LABXAG	32.44%	294,588
43	Remington	Analog Security Camera Upgrage	32	13	305,676	Dollars	LABXAG	32.44%	99,152
44	Remington	Deception Servers	32	23	258,847	Dollars	LABXAG	32.44%	83,962
45	Remington	Socially-Engineered Attack Prevention	32	29	155,480	Dollars	LABXAG	32.44%	50,433
46	Remington	Reprivata Monitoring Sensors	33	3	134,259	Dollars	LABXAG	32.44%	43,549
47	Remington	AGIS	33	17	14,790,388	Dollars	LABXAG	32.44%	4,797,539
48	Remington	Advanced Distribution Management System Data	33	19&20	14,790,388	Dollars	LABXAG	32.44%	4,797,539
49	Remington	Customer	36	11	9,146,254	Dollars	LABXAG	32.44%	2,966,758
50	Remington	Digital Channel Platform	36	Table 3	4,734,651	Dollars	LABXAG	32.44%	1,535,772
51	Remington	Customer Relationship Management	36	Table 3	1,010,216	Dollars	LABXAG	32.44%	327,683
52	Remington	Platform Infrastructure and Technology Maintenance	36	Table 3	1,848,821	Dollars	LABXAG	32.44%	599,700
53	Remington	Data Analytics and Automations	36	Table 3	1,552,566	Dollars	LABXAG	32.44%	503,604
54	Remington	Total	36	Table 3	9,146,254	Dollars	LABXAG	32.44%	2,966,758
55	Remington	Digital Channel Platform	37	1	4,734,651	Dollars	LABXAG	32.44%	1,535,772
56	Remington	Customer Relationship Management	37	13	1,010,216	Dollars	LABXAG	32.44%	327,683
57	Remington	Platform Infrastructure and Technology Maintence	37	22&24	1,848,821	Dollars	LABXAG	32.44%	599,700
58	Remington	Data Analytics and Automation	38	22	1,552,566	Dollars	LABXAG	32.44%	503,604
59	Remington	Technology Services Capital Investment July 1, 2022 through June 30, 2023	42	15	74,904,271	Dollars	LABXAG	35.21%	26,372,380
60	Remington	Aging Technology	46	Table 5	49,984,626	Dollars	LABXAG	35.21%	17,598,643
61	Remington	Enhance Capabilities	46	Table 5	15,723,030	Dollars	LABXAG	35.21%	5,535,782
62	Remington	Cyber Security	46	Table 5	3,635,808	Dollars	LABXAG	35.21%	1,280,099
63	Remington	AGIS	46	Table 5	32,280	Dollars	LABXAG	35.21%	11,365
64	Remington	Customer	46	Table 5	5,456,295	Dollars	LABXAG	35.21%	1,921,059
65	Remington	Emergent Demand	46	Table 5	72,232	Dollars	LABXAG	35.21%	25,432
66	Remington	Total	46	Table 5	74,904,272	Dollars	LABXAG	35.21%	26,372,380
67	Remington	DEMS Upgrade AKA Dynamic EMS Environment Phase 4	47	13	16,217,257	Dollars	LABXAG	35.21%	5,709,790

Southwestern Public Service Company

Total Company Amounts and Jurisdictional Percentages

Line No.	Witness	Description	Page No.	Line No.	Total Company Amount	Number Scale	Allocator (Name)	Allocator (%)	NM Amount
68	Remington	Core HR Application (Payroll Benefits)	48	1	5,003,261	Dollars	LABXAG	35.21%	1,761,554
69	Remington	LFCM - OT Modernization	48	13	3,982,335	Dollars	LABXAG	35.21%	1,402,105
70	Remington	WAN SPS	48	16	3,554,566	Dollars	LABXAG	35.21%	1,251,496
71	Remington	SPS Microwave Upgrade	48	18	3,291,000	Dollars	LABXAG	35.21%	1,158,699
72	Remington	LFCM - End User Enablement	48	24	2,625,953	Dollars	LABXAG	35.21%	924,549
73	Remington	LFCM - Network Services	48	27	1,867,422	Dollars	LABXAG	35.21%	657,484
74	Remington	SAS BookRunner Upgrade	49	1	1,290,115	Dollars	LABXAG	35.21%	454,225
75	Remington	Technology License	49	11	1,201,706	Dollars	LABXAG	35.21%	423,098
76	Remington	Bentley OpenUtilities Designer Upgrade	49	14	818,987	Dollars	LABXAG	35.21%	288,350
77	Remington	LFCM - Infrastructure Services	49	19	777,401	Dollars	LABXAG	35.21%	273,708
78	Remington	Monitoring Device Management System Replacement	49	22	742,685	Dollars	LABXAG	35.21%	261,485
79	Remington	SD-WAN Implementation	49	27	727,718	Dollars	LABXAG	35.21%	256,216
80	Remington	IT INFS Network Refresh	50	1	700,065	Dollars	LABXAG	35.21%	246,480
81	Remington	ServiceNow Enhancements	50	4	681,759	Dollars	LABXAG	35.21%	240,035
82	Remington	Network Security Orchestrator	50	10	672,307	Dollars	LABXAG	35.21%	236,707
83	Remington	Doble DUC Upgrade	50	14	667,772	Dollars	LABXAG	35.21%	235,110
84	Remington	SAP Continuous Improvements	50	19	660,682	Dollars	LABXAG	35.21%	232,614
85	Remington	GOLD Replacement	50	22	516,304	Dollars	LABXAG	35.21%	181,781
86	Remington	Enhance Capabilities	51	6&7	15,723,030	Dollars	LABXAG	35.21%	5,535,782
87	Remington	CIP Substation Compliance Reporting Work Stream 2	51	15&16	4,591,986	Dollars	LABXAG	35.21%	1,616,752
88	Remington	Real Time Scheduling Engine	52	1	2,072,833	Dollars	LABXAG	35.21%	729,805
89	Remington	Enterprise Synchrophaser Expansion Project	52	8	1,505,333	Dollars	LABXAG	35.21%	529,999
90	Remington	Cash Management Replacement System	52	20	1,010,802	Dollars	LABXAG	35.21%	355,884
91	Remington	Renewable Energy Performance	52	27	974,773	Dollars	LABXAG	35.21%	343,199
92	Remington	Mobile Asset Information	53	1	939,656	Dollars	LABXAG	35.21%	330,835
93	Remington	Energy Supply APM Phase 2	53	7	852,685	Dollars	LABXAG	35.21%	300,214
94	Remington	BCG Transmission Nerve Center	53	15	840,765	Dollars	LABXAG	35.21%	296,018
95	Remington	Enterprise Data Management Tool	53	20	682,956	Dollars	LABXAG	35.21%	240,456
96	Remington	Crew Time Entry	53	27	565,937	Dollars	LABXAG	35.21%	199,256
97	Remington	Robotic Process Automation	54	1	428,114	Dollars	LABXAG	35.21%	150,731
98	Remington	Asset Management Architecture	54	13	603,696	Dollars	LABXAG	35.21%	212,550
99	Remington	Analog Security Camera Upgrade	54	22	391,314	Dollars	LABXAG	35.21%	137,774
100	Remington	Endpoint Detection and Response	55	1	377,817	Dollars	LABXAG	35.21%	133,022
101	Remington	Certificate & Key Management	55	8	375,222	Dollars	LABXAG	35.21%	132,108
102	Remington	Terrain Analytics	55	16	292,133	Dollars	LABXAG	35.21%	102,855
103	Remington	Risk Assessment as a Service	55	23	255,649	Dollars	LABXAG	35.21%	90,009

Southwestern Public Service Company

Total Company Amounts and Jurisdictional Percentages

Line No.	Witness	Description	Page No.	Line No.	Total Company Amount	Number Scale	Allocator (Name)	Allocator (%)	NM Amount
104	Remington	Documentum 16.4 Upgrade	55	31	215,450	Dollars	LABXAG	35.21%	75,856
105	Remington	Security Services Upgrade	56	6	180,850	Dollars	LABXAG	35.21%	63,674
106	Remington	SailPoint 2021	56	14	171,454	Dollars	LABXAG	35.21%	60,366
107	Remington	PingFed to Azure SSO Migration	56	16	165,300	Dollars	LABXAG	35.21%	58,199
108	Remington	Red Team Program Development	56	23	164,594	Dollars	LABXAG	35.21%	57,950
109	Remington	Service Account Remediation	57	3	159,899	Dollars	LABXAG	35.21%	56,297
110	Remington	Tanium Enforce and PWC Accelerators	57	8	113,146	Dollars	LABXAG	35.21%	39,837
111	Remington	AGIS	57	19,20,22,23	32,280	Dollars	LABXAG	35.21%	11,365
112	Remington	Customer	59	1&2	5,456,295	Dollars	LABXAG	35.21%	1,921,059
113	Remington	Digital Channel Platform	59	Table 6	3,905,492	Dollars	LABXAG	35.21%	1,375,050
114	Remington	Platform Infrastructure and Technology Maintenance	59	Table 6	1,550,789	Dollars	LABXAG	35.21%	546,003
115	Remington	Data Analytics and Automations	59	Table 6	14	Dollars	LABXAG	35.21%	5
116	Remington	Total	59	Table 6	5,456,295	Dollars	LABXAG	35.21%	1,921,059
117	Remington	Digital Channel Platform	59	5	3,905,492	Dollars	LABXAG	35.21%	1,375,050
118	Remington	Platform Infrastructure and Technology Maintence	59	6&7	1,550,789	Dollars	LABXAG	35.21%	546,003
119	Remington	Data Analytics and Automation	59	13	14	Dollars	LABXAG	35.21%	5
120	Remington	Emergent Demand - Linkage Period	61	11&12	72,232	Dollars	'LABXAG	35.21%	25,433
121	Remington	Technology Services Capital Inventment July 1, 2023 through June 30, 2024	63	8&9	65,588,983	Dollars	LABXAG	35.21%	23,092,643
122	Remington	Aging Technology	67	Table 8	40,953,397	Dollars	LABXAG	35.21%	14,418,918
123	Remington	Enhance Capabilities	67	Table 8	13,720,725	Dollars	LABXAG	35.21%	4,830,808
124	Remington	Cyber Security	67	Table 8	6,487,451	Dollars	LABXAG	35.21%	2,284,109
125	Remington	AGIS	67	Table 8	1,610,283	Dollars	LABXAG	35.21%	566,950
126	Remington	Customer	67	Table 8	3,665,348	Dollars	LABXAG	35.21%	1,290,500
127	Remington	Emergent Demand	67	Table 8	342,680	Dollars	LABXAG	35.21%	120,651
128	Remington	Savings Target	67	Table 8	(1,190,900)	Dollars	LABXAG	35.21%	(419,293)
129	Remington	Total	67	Table 8	65,588,983	Dollars	LABXAG	35.21%	23,092,643
130	Remington	Technology License	68	12	7,344,000	Dollars	LABXAG	35.21%	2,585,684
131	Remington	LFCM – End User Enablement	68	15	4,471,279	Dollars	LABXAG	35.21%	1,574,253
132	Remington	WAN SPS	68	18	4,157,011	Dollars	LABXAG	35.21%	1,463,605
133	Remington	Amarillo Tower Vacate – Network	68	20	2,281,168	Dollars	LABXAG	35.21%	803,156
134	Remington	LFCM – Network Services	69	8	2,256,320	Dollars	LABXAG	35.21%	794,408
135	Remington	Budget System Replacement	69	11	1,995,529	Dollars	LABXAG	35.21%	702,588
136	Remington	Integrated Energy Management Upgrade	69	21	1,610,614	Dollars	LABXAG	35.21%	567,067
137	Remington	IT INFS Network Refresh	69	29	1,592,500	Dollars	LABXAG	35.21%	560,689
138	Remington	Work Manager Replacement	70	1	1,517,876	Dollars	LABXAG	35.21%	534,416
139	Remington	LFCM – Infrastructure Services	70	7	1,477,401	Dollars	LABXAG	35.21%	520,165

Southwestern Public Service Company

Total Company Amounts and Jurisdictional Percentages

Line No.	Witness	Description	Page No.	Line No.	Total Company Amount	Number Scale	Allocator (Name)	Allocator (%)	NM Amount
140	Remington	Transmission Asset Management System Replacement	70	10	1,195,768	Dollars	LABXAG	35.21%	421,007
141	Remington	ESB Modernization	70	19	1,169,595	Dollars	LABXAG	35.21%	411,792
142	Remington	Click Replacement	70	29	996,393	Dollars	LABXAG	35.21%	350,811
143	Remington	SubTran Portal Upgrade	71	8	966,624	Dollars	LABXAG	35.21%	340,330
144	Remington	Zero Trust Network Access	71	16	875,000	Dollars	LABXAG	35.21%	308,071
145	Remington	LFCM – OT Modernization	71	24	666,157	Dollars	LABXAG	35.21%	234,541
146	Remington	DEMS Upgrade AKA Dynamic EMS Environment Phase 4	71	27&28	616,023	Dollars	LABXAG	35.21%	216,890
147	Remington	SAP Continuous Improvements	72	1	601,607	Dollars	LABXAG	35.21%	211,814
148	Remington	VoIP Refresh	72	4	592,516	Dollars	LABXAG	35.21%	208,614
149	Remington	DR Technology Refresh	72	6	518,470	Dollars	LABXAG	35.21%	182,544
150	Remington	Trans Frontline Enablement	73	6	2,480,529	Dollars	LABXAG	35.21%	873,348
151	Remington	Supply Chain Spend Analytics	73	10	1,308,475	Dollars	LABXAG	35.21%	460,689
152	Remington	Network EM & Visibility Tooling	73	20	1,300,009	Dollars	LABXAG	35.21%	457,709
153	Remington	Secure Access Service Edge Enhancement	73	26&27	1,250,000	Dollars	LABXAG	35.21%	440,101
154	Remington	Unmanned Aircraft Systems Program	74	8	1,154,542	Dollars	LABXAG	35.21%	406,492
155	Remington	Hosting Capacity Analysis	74	11	921,497	Dollars	LABXAG	35.21%	324,442
156	Remington	Energy Supply APM Phase 2	74	18	716,698	Dollars	LABXAG	35.21%	252,336
157	Remington	IT Monitoring Refresh	74	21	662,083	Dollars	LABXAG	35.21%	233,107
158	Remington	Real Time Scheduling Engine	74	26	595,291	Dollars	LABXAG	35.21%	209,591
159	Remington	Enterprise Data Analytics	75	1	501,751	Dollars	LABXAG	35.21%	176,657
160	Remington	OSI PI Environment Refresh	75	5	420,619	Dollars	LABXAG	35.21%	148,092
161	Remington	Session Initiation Protocol Trunking	75	11	389,252	Dollars	LABXAG	35.21%	137,048
162	Remington	Route and Switch Enhancements	75	16	350,000	Dollars	LABXAG	35.21%	123,228
163	Remington	SPS Microwave	75	21	306,095	Dollars	LABXAG	35.21%	107,770
164	Remington	Cyber Security - Future Test Year	76	9&10	6,487,451	Dollars	'LABXAG	35.21%	2,284,109
165	Remington	IT Security Refresh	76	11	3,108,557	Dollars	LABXAG	35.21%	1,094,464
166	Remington	Verint Security Camera Server Replacement	77	3	2,108,052	Dollars	LABXAG	35.21%	742,205
167	Remington	Analog Security Camera Upgrade	77	13	501,753	Dollars	LABXAG	35.21%	176,658
168	Remington	Service Account Remediation	77	16	406,426	Dollars	LABXAG	35.21%	143,095
169	Remington	AGIS - Future Test Year Period	77	23&24	1,610,283	Dollars	LABXAG	35.21%	566,950
171	Remington	Advanced Metering Infrastructure (AMI)	78	1	1,610,283	Dollars	LABXAG	35.21%	566,950
172	Remington	Customer Experience Transformation Phase 3	78	24&25	3,300,051	Dollars	LABXAG	35.21%	1,161,886
172	Remington	Emergent Demand Category	80	7 & 8	342,680	Dollars	LABXAG	35.21%	120,651
172	Remington	Savings Target Category	80	18	1,190,900	Dollars	LABXAG	35.21%	419,293

(1) The allocator used is LABXAG (32.44% for the Base Period and 35.21% for the Linkage Period and Future Test Year)

Southwestern Public Service Company

Capital Additions Closed to Plant-in-Service for the Base Period of July 1, 2021 through June 30, 2022

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Line No.	**Asset Class**	**Witness**	**Project Category**	**WBS Level 2**	**Project Description (WBS Level 2 Description)**	**In-Service Date**	**Additions to Plant-in-Service Base Period Total Company**	**Additions to Plant-in-Service Base Period NM Retail**
1	Electric General	Remington	AGIS	D.0001723.041	ADMS-BS-Lubbock-Workstation	10/29/2021	$ 826,417	$ 268,064
2	Electric General	Remington	AGIS	D.0001723.064	ADMS-BS-SW-SPS	12/12/2021	13,940,408	4,521,832
3	Electric General	Remington	AGIS	D.0001723.066	ADMS-BS-Workstation Furniture-SPS	10/29/2021	23,655	7,673
4	Electric General	Remington	Aging Technology	D.0001821.539	Purch EMS Mapboard Comm Eq AOC SPS	5/27/2021	5,683	1,844
5	Electric General	Remington	Aging Technology	D.0001821.541	Purch EMS Mapboard Building AOC SPS	5/27/2021	(10)	(3)
6	Electric General	Remington	Cyber Security	D.0001840.114	Purch Sec Camera HW TX	9/30/2019	2,824	916
7	Electric General	Remington	Aging Technology	D.0002014.014	ITC - WAN Routine HW SPS	Routine	4,320,155	1,401,323
8	Electric General	Remington	Aging Technology	D.0002014.015	ITC - WAN Microwave HW SPS	3/31/2022	459,466	149,037
9	Electric General	Remington	Aging Technology	D.0002018.004	Purch 10GBackhaul HW SPS-BSPRJ00011	12/27/2019	1,746	566
10	Electric General	Remington	Aging Technology	D.0002021.004	Purch Facility IT Investments HW SP	6/30/2021	90,924	29,493
11	Electric General	Remington	Aging Technology	D.0002021.015	ITC - FITI Plainview Reno HW SPS	Routine	591,917	191,999
12	Electric General	Remington	Aging Technology	D.0002082.018	ITC-VCE Phase 3 HW SPS	12/19/2021	422,146	136,931
13	Electric General	Remington	Aging Technology	D.0002106.007	ITC-VoIP Refresh-HW SPS	12/19/2021	972,305	315,385
14	Electric General	Remington	Aging Technology	D.0002109.008	ITC-Rugged Tablets Refrsh Routine H	Routine	290,639	94,274
15	Electric General	Remington	Aging Technology	D.0002192.004	ITC-Purch 2019 ITINFS Ref HW SPS	Routine	(312)	(101)
16	Electric General	Remington	Aging Technology	D.0002208.008	ITC-2020 EMS Infrastructure CE SPS	Routine	104,343	33,846
17	Electric General	Remington	Aging Technology	D.0002209.017	ITC-2020 HH Refresh Routine HW SPS	Routine	93,652	30,378
18	Electric General	Remington	Aging Technology	D.0002210.023	ITC - Infoblox Ref HW SPS	12/19/2021	51,491	16,702
19	Electric General	Remington	Aging Technology	D.0002213.004	ITC-Purch 2020 Storage HW SPS	Routine	2,605	845
20	Electric General	Remington	Enhance Capabilities	D.0002283.004	ITC - Avaya Ref Cloud Deployment SP	12/19/2021	677,382	219,722
21	Electric General	Remington	Cyber Security	D.0002344.008	ITC OT Monitoring 2020 HW SPS	12/20/2020	55	18
22	Electric General	Remington	Aging Technology	D.0002354.004	ITC-PC Refreshes-Routine HW-SPS	Routine	1,592,765	516,643
23	Electric General	Remington	Aging Technology	D.0002355.004	ITC-Printer Refreshes-Routine HW-SP	Routine	193,083	62,630
24	Electric General	Remington	Aging Technology	D.0002356.004	ITC - IT INFS Network Refresh HW SP	Routine	1,197,240	388,347
25	Electric General	Remington	Cyber Security	D.0002384.006	ITC-Analog Security Camera Routine	Routine	305,676	99,152
26	Electric General	Remington	Cyber Security	D.0002417.009	ITC-Reprivata Sensors HW CE SPS	4/29/2022	21,314	6,914
27	Electric General	Remington	Enhance Capabilities	D.0002429.004	ITC-Return to Office NP SPS	12/19/2021	180,638	58,593
28	Electric General	Remington	Enhance Capabilities	D.0002429.028	ITC-RTO PC Kits NP SPS	12/19/2021	53,998	17,515
29	Electric General	Remington	Aging Technology	D.0002482.008	ITC-LFCM End User NP Routine HW SPS	Routine	791,452	256,722
30	Electric General	Remington	Aging Technology	D.0002485.024	ITC-Checkpoint HW NP SPS	3/31/2022	94	30
31	Electric General	Remington	Aging Technology	D.0002488.008	ITC-LFCM OT Modernization NP Rout H	Routine	4,764,493	1,545,452
32	**Electric General Total**						**$ 31,978,244**	**$ 10,372,741**

Southwestern Public Service Company

Capital Additions Closed to Plant-in-Service for the Base Period of July 1, 2021 through June 30, 2022

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Line No.	**Asset Class**	**Witness**	**Project Category**	**WBS Level 2**	**Project Description (WBS Level 2 Description)**	**In-Service Date**	**Additions to Plant-in-Service Base Period Total Company**	**Additions to Plant-in-Service Base Period NM Retail**
33	Electric Intangible	Remington	AGIS	D.0001723.048	ADMS Data - SPS	12/20/2019	$ (92)	$ (30)
34	Electric Intangible	Remington	Aging Technology	D.0001726.058	Work and Asset Phase 1 SW SPS	12/30/2017	(62)	(20)
35	Electric Intangible	Remington	Aging Technology	D.0001796.014	Netwrk Tools LNI Smallworld SW TX -	6/28/2019	48	15
36	Electric Intangible	Remington	Enhance Capabilities	D.0001796.034	Net Tools CISCO SW SPS-10718	11/23/2019	2	1
37	Electric Intangible	Remington	Aging Technology	D.0001805.004	Next Gen MSFT LIC SW SPS-10692	7/30/2018	658	213
38	Electric Intangible	Remington	Aging Technology	D.0001805.016	Next Gen MSFT Deploy SW SPS -10693	12/27/2019	8	3
39	Electric Intangible	Remington	Aging Technology	D.0001826.191	Demand Response Manage SW SPS	9/28/2018	11	4
40	Electric Intangible	Remington	Aging Technology	D.0001826.366	Microsoft Core SW SPS-10678	9/29/2017	96	31
41	Electric Intangible	Remington	Enhance Capabilities	D.0001839.186	Mobile Computing Infra SW SPS	6/30/2017	121	39
42	Electric Intangible	Remington	Aging Technology	D.0001839.297	Active Directory 2016 SW SPS-10737	12/20/2020	12	4
43	Electric Intangible	Remington	Aging Technology	D.0001849.004	ITC-Pro Mod Analytics SW 200146 SPS	1/31/2022	61,416	19,921
44	Electric Intangible	Remington	Aging Technology	D.0002002.007	NMS 1.12 Upgrade SW SPS-10669	11/30/2018	10	3
45	Electric Intangible	Remington	Aging Technology	D.0002003.004	Oracle Version Upgrade SPSSW-BSPRJ0	8/23/2017	3,115	1,010
46	Electric Intangible	Remington	Aging Technology	D.0002003.010	2018 Oracle SW SPS-10701	5/31/2018	4,339	1,407
47	Electric Intangible	Remington	Cyber Security	D.0002008.022	ITC EDS2-A2A SW SPS-200074	9/30/2021	97,401	31,594
48	Electric Intangible	Remington	Aging Technology	D.0002020.022	ITC Operational Reporting SW SPS-20	Routine	21,585	7,002
49	Electric Intangible	Remington	Aging Technology	D.0002020.028	ITC-SAP Test Automation SW 200074 S	11/23/2020	13,066	4,238
50	Electric Intangible	Remington	Aging Technology	D.0002020.034	ITC-2021 SAP Ops Reporting SW 20014	12/19/2021	555,066	180,046
51	Electric Intangible	Remington	Aging Technology	D.0002020.042	ITC-SAP BW Upgrade 2021 SW 200148 S	11/24/2021	40,966	13,288
52	Electric Intangible	Remington	Aging Technology	D.0002020.046	ITC-TCOE_SAP Test Automate SW 20007	1/31/2022	47,560	15,427
53	Electric Intangible	Remington	Aging Technology	D.0002032.009	ITC-Cash Mngmt Sys Replcmnt-SW SPS	3/31/2022	409,320	132,770
54	Electric Intangible	Remington	Aging Technology	D.0002041.004	eGRC Phase IV SOx Corp Com SW SPS-1	12/19/2021	194,967	63,241
55	Electric Intangible	Remington	Aging Technology	D.0002041.016	eGRC Ph IV SOX SW SPS-10764	12/19/2021	59,326	19,243
56	Electric Intangible	Remington	Enhance Capabilities	D.0002045.015	Operation Monitor SW SPS-10728	12/27/2019	1,024	332
57	Electric Intangible	Remington	Aging Technology	D.0002063.009	ITC-Meridium Upgrade-SW SPS	4/30/2021	4,270	1,385
58	Electric Intangible	Remington	Aging Technology	D.0002072.004	Replace Meeting Planner SW SPS-1073	12/20/2019	3	1
59	Electric Intangible	Remington	Enhance Capabilities	D.0002073.009	ITC-Safety Observations & SW 20016	8/31/2021	77,264	25,062
60	Electric Intangible	Remington	Aging Technology	D.0002078.007	TWR SW SPS-10713	11/24/2021	1,583,405	513,607
61	Electric Intangible	Remington	Enhance Capabilities	D.0002084.020	Tririga Mobile SW SPS-10730	7/20/2021	81	26
62	Electric Intangible	Remington	Cyber Security	D.0002098.017	CyberArk CIP SW SPS-10749	12/20/2020	7	2
63	Electric Intangible	Remington	Aging Technology	D.0002107.010	ITC-NMS 2.X Upgrade-SW-SPS	12/12/2021	625,884	203,017
64	Electric Intangible	Remington	Enhance Capabilities	D.0002113.009	ITC-Purchase Power Agrmnt-SW SPS	11/24/2021	272,651	88,439
65	Electric Intangible	Remington	Aging Technology	D.0002133.009	ITC-Business Objects Ref SW 200147	11/24/2021	96,144	31,186
66	Electric Intangible	Remington	Aging Technology	D.0002143.004	Technology Lic SW SPS	9/30/2019	1,919	622
67	Electric Intangible	Remington	Aging Technology	D.0002153.008	ITC-Tech Licenses 2021 SW 200148 S	12/19/2021	462,592	150,051
68	Electric Intangible	Remington	Enhance Capabilities	D.0002180.017	TAHA Data LIC SW SPS-10785	7/30/2021	230,892	74,894

Southwestern Public Service Company

Capital Additions Closed to Plant-in-Service for the Base Period of July 1, 2021 through June 30, 2022

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Line No.	**Asset Class**	**Witness**	**Project Category**	**WBS Level 2**	**Project Description (WBS Level 2 Description)**	**In-Service Date**	**Additions to Plant-in-Service Base Period Total Company**	**Additions to Plant-in-Service Base Period NM Retail**
69	Electric Intangible	Remington	Enhance Capabilities	D.0002180.021	ITC-TAHA WS3-SW-SPS	7/30/2021	816,911	264,980
70	Electric Intangible	Remington	Cyber Security	D.0002187.006	Cyber Security Data SW SPS-10743	2/28/2021	4,314	1,399
71	Electric Intangible	Remington	Customer	D.0002199.006	CRS Voice Agent SW SPS-10753	2/28/2021	164	53
72	Electric Intangible	Remington	Customer	D.0002247.006	CXT-My Acct SW SPS-10778	3/31/2022	2,983,108	967,627
73	Electric Intangible	Remington	Customer	D.0002248.006	CXT-XE COM SW SPS-10779	3/31/2022	1,567,022	508,293
74	Electric Intangible	Remington	Customer	D.0002250.006	CXT-Cust API PH1 SW SPS-10781	12/20/2020	286,657	92,983
75	Electric Intangible	Remington	Customer	D.0002250.014	CXT-Cust API SW Ph2-SPS	2/28/2022	1,562,164	506,717
76	Electric Intangible	Remington	Customer	D.0002251.006	CXT-Cust Data SW SPS-10782	12/20/2020	252,566	81,924
77	Electric Intangible	Remington	Customer	D.0002251.010	CXT-Cust Data SW Ph2-SPS	2/28/2022	1,299,836	421,626
78	Electric Intangible	Remington	Customer	D.0002253.006	CXT-CIAM SW SPS-10787	2/28/2022	1,010,216	327,683
79	Electric Intangible	Remington	Enhance Capabilities	D.0002254.016	RPA Release 2 SW SPS - 10788	12/28/2020	3,544	1,150
80	Electric Intangible	Remington	Enhance Capabilities	D.0002254.021	RPA Release 3 SW SPS - 10788	12/26/2021	529,341	171,702
81	Electric Intangible	Remington	Customer	D.0002255.006	CXT Contact Center SW SPS-10790	10/30/2020	(6)	(2)
82	Electric Intangible	Remington	Customer	D.0002256.006	CXT Analytics, AI and NLU SW SPS-10	10/28/2020	(6)	(2)
83	Electric Intangible	Remington	Cyber Security	D.0002257.006	ITC-Data Discovery-SW SPS	10/30/2020	2	1
84	Electric Intangible	Remington	Enhance Capabilities	D.0002259.006	XE1 Wave 5 - Distribution SW-10796	3/31/2021	0	0
85	Electric Intangible	Remington	Aging Technology	D.0002261.004	ITC - 2021 Oracle Licenses SW - TX	2/26/2021	(0)	(0)
86	Electric Intangible	Remington	Aging Technology	D.0002265.004	ITC - 2020 Oracle Licenses SW - TX	3/31/2020	7,961	2,582
87	Electric Intangible	Remington	Cyber Security	D.0002269.020	ITC-OT Environment Upgrade SW 20018	10/29/2021	93,574	30,352
88	Electric Intangible	Remington	Customer	D.0002273.006	CEC-Builders Call SW SPS-10723	12/20/2020	107,391	34,834
89	Electric Intangible	Remington	Customer	D.0002273.010	CXT-NCC SW Ph2-SPS	1/31/2022	77,140	25,022
90	Electric Intangible	Remington	Enhance Capabilities	D.0002277.006	ITC - Crew Time Entry App SPS	11/30/2020	3,688	1,196
91	Electric Intangible	Remington	Enhance Capabilities	D.0002283.012	ITC - Avaya Ref Cloud Depl SPS SW-1	12/19/2021	1,909,982	619,538
92	Electric Intangible	Remington	Aging Technology	D.0002284.004	ITC-Emptoris Replacement-SW SPS	1/29/2021	7,656	2,483
93	Electric Intangible	Remington	Enhance Capabilities	D.0002285.004	ITC-General Counsel Doc Mgmt-SW SPS	10/30/2020	46	15
94	Electric Intangible	Remington	Aging Technology	D.0002286.008	ITC PI for Wind Farms Smart Signl S	12/19/2021	193,980	62,921
95	Electric Intangible	Remington	Aging Technology	D.0002286.012	ITC PI for Wind Farms OSI PI Lic SW	12/19/2021	427,860	138,784
96	Electric Intangible	Remington	Aging Technology	D.0002290.004	ITC-Field Collect Sys Upg-SW SPS	8/31/2020	2,208	716
97	Electric Intangible	Remington	Aging Technology	D.0002291.006	ITC-Gentran Upgrade SW 200171 SPS	7/31/2021	37,224	12,074
98	Electric Intangible	Remington	Aging Technology	D.0002294.004	ITC-UI Stabilization FMS-SW-SPS	2/28/2021	68	22
99	Electric Intangible	Remington	Enhance Capabilities	D.0002298.019	ITC-UAS Fleet MGMT SW ELEC 200184 S	6/30/2022	359,247	116,529
100	Electric Intangible	Remington	Aging Technology	D.0002300.004	ITC-Enterprise Purge Archive-SW SPS	12/20/2020	12,410	4,025
101	Electric Intangible	Remington	Aging Technology	D.0002305.004	ITC-Primavera Upgrade-SW SPS	3/31/2021	640	208
102	Electric Intangible	Remington	Aging Technology	D.0002309.004	ITC-MRAS Upg to 64 Bit OS-SW SPS	5/31/2021	719	233
103	Electric Intangible	Remington	Enhance Capabilities	D.0002310.004	ITC UI CREV RIS w PlnrDash SW SPS-2	7/30/2021	451,288	146,384
104	Electric Intangible	Remington	Cyber Security	D.0002312.004	ITC-SailPoint Phase 5-SW SPS	5/27/2021	4,398	1,427

Southwestern Public Service Company

Capital Additions Closed to Plant-in-Service for the Base Period of July 1, 2021 through June 30, 2022

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Line No.	**Asset Class**	**Witness**	**Project Category**	**WBS Level 2**	**Project Description (WBS Level 2 Description)**	**In-Service Date**	**Additions to Plant-in-Service Base Period Total Company**	**Additions to Plant-in-Service Base Period NM Retail**
105	Electric Intangible	Remington	Cyber Security	D.0002313.004	ITC-Archer 2020-SW SPS	4/30/2021	246	80
106	Electric Intangible	Remington	Enhance Capabilities	D.0002322.006	ITC-Outage Employee Experience SPS	12/19/2021	941,386	305,356
107	Electric Intangible	Remington	Cyber Security	D.0002326.004	ITC Email Adv Threat Prot SW SPS-20	12/20/2020	32	10
108	Electric Intangible	Remington	Aging Technology	D.0002329.006	ITC-Upgrade Corporate Fina SW 20009	10/29/2021	484,941	157,300
109	Electric Intangible	Remington	Aging Technology	D.0002340.004	ITC Oracle Exadata Refresh SW SPS-2	4/29/2022	504,883	163,768
110	Electric Intangible	Remington	Cyber Security	D.0002344.004	ITC OT Monitoring 2020 SW SPS-20018	12/20/2020	2,626	852
111	Electric Intangible	Remington	Aging Technology	D.0002346.006	ITC-Legal Hold Custodian SW 200071	12/20/2020	497	161
112	Electric Intangible	Remington	Enhance Capabilities	D.0002349.003	ITC-M&D Center thermal SW 200137 SP	10/29/2021	732,701	237,665
113	Electric Intangible	Remington	Aging Technology	D.0002353.026	ITC-Vertex SW 200074 SPS	11/23/2020	72	24
114	Electric Intangible	Remington	Enhance Capabilities	D.0002363.005	ITC-Data Science Models SPS	11/24/2021	173,581	56,304
115	Electric Intangible	Remington	Enhance Capabilities	D.0002363.016	Res Data Science Models SPS	11/24/2021	105,750	34,302
116	Electric Intangible	Remington	Enhance Capabilities	D.0002365.008	ITC-Appication Performanc SW 200171	3/31/2021	8,788	2,851
117	Electric Intangible	Remington	Aging Technology	D.0002366.006	ITC-Service Now SW 200074 SPS	9/30/2021	1,520,547	493,218
118	Electric Intangible	Remington	Aging Technology	D.0002367.004	ITC-Kafka Data Streaming SW 200148	10/29/2021	772,806	250,674
119	Electric Intangible	Remington	Aging Technology	D.0002370.010	ITC-F5 Renewal SW 200172 SPS	11/24/2021	560,165	181,700
120	Electric Intangible	Remington	Aging Technology	D.0002373.008	ITC-Motorola LMR Core SW 200184 SPS	2/28/2021	0	0
121	Electric Intangible	Remington	Aging Technology	D.0002376.008	ITC-Binary Tree SW 200074 SPS	3/31/2021	144	47
122	Electric Intangible	Remington	Aging Technology	D.0002377.006	ITC-FERC Order 860 SW 200074 SPS	11/18/2021	273	88
123	Electric Intangible	Remington	Enhance Capabilities	D.0002380.006	ITC-Fleet CAM SW 200126 SPS	3/31/2022	126,138	40,915
124	Electric Intangible	Remington	Aging Technology	D.0002385.006	ITC-RationalLic2020 SW 200074 SPS	11/23/2020	283	92
125	Electric Intangible	Remington	Aging Technology	D.0002386.010	ITC-Ansible Lic Renew SW 200172 SPS	12/31/2021	422,728	137,120
126	Electric Intangible	Remington	Enhance Capabilities	D.0002395.010	ITC-Digital Ops Comm SW 200184 SPS	12/12/2021	3,736,007	1,211,844
127	Electric Intangible	Remington	Aging Technology	D.0002396.058	SPS-SW FERC Rprtng-E	Routine	(312,607)	(101,400)
128	Electric Intangible	Remington	Aging Technology	D.0002409.006	ITC-Integration Resiliency SW 20007	12/26/2021	636,869	206,580
129	Electric Intangible	Remington	Cyber Security	D.0002411.006	ITC-Deception Servers SW 200148 SPS	1/31/2022	258,847	83,962
130	Electric Intangible	Remington	Cyber Security	D.0002413.006	ITC-SailPoint Phase 6 SW 200148 SPS	6/30/2022	1,295,074	420,082
131	Electric Intangible	Remington	Cyber Security	D.0002414.010	ITC-MFA Maturation Phase 2 SW 20014	12/19/2021	123,076	39,922
132	Electric Intangible	Remington	Cyber Security	D.0002415.010	ITC-SE Attack Prevention SW 200148	12/19/2021	155,480	50,433
133	Electric Intangible	Remington	Cyber Security	D.0002417.004	ITC-Reprivata Sensors SW 200148 SPS	4/29/2022	112,944	36,636
134	Electric Intangible	Remington	Cyber Security	D.0002418.004	ITC-SIEM-SOAR SW 200148 SPS	5/31/2022	908,189	294,588
135	Electric Intangible	Remington	Enhance Capabilities	D.0002429.012	ITC-Audio Routing Mgr SW 200162 SPS	3/31/2022	(6)	(2)
136	Electric Intangible	Remington	Enhance Capabilities	D.0002429.018	ITC-E911 Licensing SW 200172 SPS	12/19/2021	32,798	10,639
137	Electric Intangible	Remington	Enhance Capabilities	D.0002429.024	ITC-ARM SW 200172 SPS	12/19/2021	58,720	19,047
138	**Electric Intangible Total**						**$ 32,242,368**	**$ 10,458,415**
139	**Grand Total**						**$ 64,220,612**	**$ 20,831,156**

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Capital Additions Closed to Plant-in-Service for the Base Period of July 1, 2021 through June 30, 2022
Plant Additions by Project and Elements of Cost, Rule Reference 17.1.3.16

Line No.	Asset Class	Witness	WBS Level 2	Project Description (WBS Level 2 Description)	Base Period Total	Base Period Labor	Base Period Contract Work	Base Period Supplies and Materials	Base Period Other
1	Electric General	Remington	D.0001723.064	ADMS-BS-SW-SPS	**$ 13,940,408**	$ 2,680,856	$ 8,290,117	$ 1,971	$ 2,967,464
2	Electric General	Remington	D.0002488.008	ITC-LFCM OT Modernization NP Rout H	**4,764,493**	116,296	4,655,626	11,878	(19,307)
3	Electric General	Remington	D.0002014.014	ITC - WAN Routine HW SPS	**4,320,155**	1,276,284	1,740,388	47,751	1,255,732
4	Electric General	Remington	D.0002354.004	ITC-PC Refreshes-Routine HW-SPS	**1,592,765**	106,197	35,927	21,482	1,429,159
5	Electric General	Remington	D.0002356.004	ITC - IT INFS Network Refresh HW SP	**1,197,240**	241,956	465,731	11,170	478,384
6	Electric General	Remington	D.0002106.007	ITC-VoIP Refresh-HW SPS	**972,305**	86,105	124,309	1,682	760,209
7	Electric General	Remington	D.0001723.041	ADMS-BS-Lubbock-Workstation	**826,417**	64,035	53,382	16,371	692,629
8	Electric General	Remington	D.0002482.008	ITC-LFCM End User NP Routine HW SPS	**791,452**	14,141	-	8,217	769,094
9	Electric General	Remington	D.0002283.004	ITC - Avaya Ref Cloud Deployment SP	**677,382**	141,670	55,493	377	479,842
10	Electric General	Remington	D.0002021.015	ITC - FITI Plainview Reno HW SPS	**591,917**	59,062	276,133	3,134	253,588
11	Electric General	Remington	D.0002014.015	ITC - WAN Microwave HW SPS	**459,466**	211	450,685	5,161	3,410
12	Electric General	Remington	D.0002082.018	ITC-VCE Phase 3 HW SPS	**422,146**	396	5,828	-	415,923
13	Electric General	Remington	D.0002384.006	ITC-Analog Security Camera Routine	**305,676**	8,705	185,889	(21,919)	133,001
14	Electric General	Remington	D.0002109.008	ITC-Rugged Tablets Refrsh Routine H	**290,639**	6,469	56,876	2,428	224,865
15	Electric General	Remington	D.0002355.004	ITC-Printer Refreshes-Routine HW-SP	**193,083**	11,777	9,801	1,705	169,801
16	Electric General	Remington	D.0002429.004	ITC-Return to Office NP SPS	**180,638**	66,307	39,114	250	74,967
17	Electric General	Remington	D.0002208.008	ITC-2020 EMS Infrastructure CE SPS	**104,343**	18,492	-	235	85,616
18	Electric General	Remington	D.0002209.017	ITC-2020 HH Refresh Routine HW SPS	**93,652**	-	-	675	92,977
19	Electric General	Remington	D.0002021.004	Purch Facility IT Investments HW SP	**90,924**	119	78,414	1,059	11,332
20	Electric General	Remington	D.0002429.028	ITC-RTO PC Kits NP SPS	**53,998**	-	-	738	53,260
21	Electric General	Remington	D.0002210.023	ITC - Infoblox Ref HW SPS	**51,491**	1	(58)	-	51,547
22	Electric General	Remington	D.0001723.066	ADMS-BS-Workstation Furniture-SPS	**23,655**	-	-	-	23,655
23	Electric General	Remington	D.0002417.009	ITC-Reprivata Sensors HW CE SPS	**21,314**	2,729	18,559	-	26
24	Electric General	Remington	D.0001821.539	Purch EMS Mapboard Comm Eq AOC SPS	**5,683**	-	5,654	-	30
25	Electric General	Remington	D.0001840.114	Purch Sec Camera HW TX	**2,824**	-	2,822	-	2
26	Electric General	Remington	D.0002213.004	ITC-Purch 2020 Storage HW SPS	**2,605**	2,602	-	-	2
27	Electric General	Remington	D.0002018.004	Purch 10GBackhaul HW SPS-BSPRJ00011	**1,746**	-	(3,980)	-	5,725
28	Electric General	Remington	D.0002485.024	ITC-Checkpoint HW NP SPS	**94**	-	93	1	0
29	Electric General	Remington	D.0002344.008	ITC OT Monitoring 2020 HW SPS	**55**	-	-	55	0
30	Electric General	Remington	D.0001821.541	Purch EMS Mapboard Building AOC SPS	**(10)**	-	6,039	-	(6,049)
31	Electric General	Remington	D.0002192.004	ITC-Purch 2019 ITINFS Ref HW SPS	**(312)**	-	-	-	(312)
32	Electric Intangible	Remington	D.0002395.010	ITC-Digital Ops Comm SW 200184 SPS	**3,736,007**	222,109	1,651,436	-	1,862,463
33	Electric Intangible	Remington	D.0002247.006	CXT-My Acct SW SPS-10778	**2,983,108**	255,408	1,127,434	40	1,600,225
34	Electric Intangible	Remington	D.0002283.012	ITC - Avaya Ref Cloud Depl SPS SW-1	**1,909,982**	25,205	138,875	131	1,745,771
35	Electric Intangible	Remington	D.0002078.007	TWR SW SPS-10713	**1,583,405**	37,297	178,116	-	1,367,991
36	Electric Intangible	Remington	D.0002248.006	CXT-XE COM SW SPS-10779	**1,567,022**	94,684	436,841	3	1,035,495
37	Electric Intangible	Remington	D.0002250.014	CXT-Cust API SW Ph2-SPS	**1,562,164**	257,189	731,027	2	573,945

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Plant Additions by Project and Elements of Cost, Rule Reference 17.1.3.16

Line No.	Asset Class	Witness	WBS Level 2	Project Description (WBS Level 2 Description)	Base Period Total	Base Period Labor	Base Period Contract Work	Base Period Supplies and Materials	Base Period Other
38	Electric Intangible	Remington	D.0002366.006	ITC-Service Now SW 200074 SPS	**1,520,547**	65,897	104,248	-	1,350,402
39	Electric Intangible	Remington	D.0002251.010	CXT-Cust Data SW Ph2-SPS	**1,299,836**	263,059	457,647	2	579,128
40	Electric Intangible	Remington	D.0002413.006	ITC-SailPoint Phase 6 SW 200148 SPS	**1,295,074**	44,979	1,039,406	-	210,689
41	Electric Intangible	Remington	D.0002253.006	CXT-CIAM SW SPS-10787	**1,010,216**	37,582	2,392	2	970,239
42	Electric Intangible	Remington	D.0002322.006	ITC-Outage Employee Experience SPS	**941,386**	31,682	428,677	-	481,027
43	Electric Intangible	Remington	D.0002418.004	ITC-SIEM-SOAR SW 200148 SPS	**908,189**	54,130	228,078	107	625,874
44	Electric Intangible	Remington	D.0002180.021	ITC-TAHA WS3-SW-SPS	**816,911**	17,771	195,746	-	603,394
45	Electric Intangible	Remington	D.0002367.004	ITC-Kafka Data Streaming SW 200148	**772,806**	5,414	43,891	-	723,501
46	Electric Intangible	Remington	D.0002349.003	ITC-M&D Center thermal SW 200137 SP	**732,701**	24,074	59,338	-	649,289
47	Electric Intangible	Remington	D.0002409.006	ITC-Integration Resiliency SW 20007	**636,869**	49,970	502,062	-	84,837
48	Electric Intangible	Remington	D.0002107.010	ITC-NMS 2.X Upgrade-SW-SPS	**625,884**	13,880	126,387	-	485,617
49	Electric Intangible	Remington	D.0002370.010	ITC-F5 Renewal SW 200172 SPS	**560,165**	32	(8)	-	560,140
50	Electric Intangible	Remington	D.0002020.034	ITC-2021 SAP Ops Reporting SW 20014	**555,066**	20,911	120,355	-	413,800
51	Electric Intangible	Remington	D.0002254.021	RPA Release 3 SW SPS - 10788	**529,341**	143,745	69,834	-	315,762
52	Electric Intangible	Remington	D.0002340.004	ITC Oracle Exadata Refresh SW SPS-2	**504,883**	8,907	155,428	-	340,548
53	Electric Intangible	Remington	D.0002329.006	ITC-Upgrade Corporate Fina SW 20009	**484,941**	45,995	121,559	-	317,386
54	Electric Intangible	Remington	D.0002153.008	ITC-Tech Licenses 2021 SW 200148 S	**462,592**	15,691	14,230	-	432,672
55	Electric Intangible	Remington	D.0002310.004	ITC UI CREV RIS w PlnrDash SW SPS-2	**451,288**	4,114	32,055	-	415,119
56	Electric Intangible	Remington	D.0002286.012	ITC PI for Wind Farms OSI PI Lic SW	**427,860**	60,985	63,398	-	303,476
57	Electric Intangible	Remington	D.0002386.010	ITC-Ansible Lic Renew SW 200172 SPS	**422,728**	5,334	52,645	-	364,749
58	Electric Intangible	Remington	D.0002032.009	ITC-Cash Mngmt Sys Replcmnt-SW SPS	**409,320**	28,987	185,010	-	195,323
59	Electric Intangible	Remington	D.0002298.019	ITC-UAS Fleet MGMT SW ELEC 200184 S	**359,247**	87,650	191,601	-	79,996
60	Electric Intangible	Remington	D.0002250.006	CXT-Cust API PH1 SW SPS-10781	**286,657**	27,024	274,772	0	(15,139)
61	Electric Intangible	Remington	D.0002113.009	ITC-Purchase Power Agrmnt-SW SPS	**272,651**	56,951	52,692	-	163,009
62	Electric Intangible	Remington	D.0002411.006	ITC-Deception Servers SW 200148 SPS	**258,847**	11,481	50,635	-	196,731
63	Electric Intangible	Remington	D.0002251.006	CXT-Cust Data SW SPS-10782	**252,566**	13,635	238,630	0	300
64	Electric Intangible	Remington	D.0002180.017	TAHA Data LIC SW SPS-10785	**230,892**	36	4,539	-	226,317
65	Electric Intangible	Remington	D.0002041.004	eGRC Phase IV SOx Corp Com SW SPS-1	**194,967**	378	22,772	-	171,817
66	Electric Intangible	Remington	D.0002286.008	ITC PI for Wind Farms Smart Signl S	**193,980**	12,286	19,693	-	162,000
67	Electric Intangible	Remington	D.0002363.005	ITC-Data Science Models SPS	**173,581**	1,418	23,967	-	148,196
68	Electric Intangible	Remington	D.0002415.010	ITC-SE Attack Prevention SW 200148	**155,480**	5,351	42,835	-	107,294
69	Electric Intangible	Remington	D.0002380.006	ITC-Fleet CAM SW 200126 SPS	**126,138**	9,038	54,213	-	62,887
70	Electric Intangible	Remington	D.0002414.010	ITC-MFA Maturation Phase 2 SW 20014	**123,076**	23,939	51,877	-	47,260
71	Electric Intangible	Remington	D.0002417.004	ITC-Reprivata Sensors SW 200148 SPS	**112,944**	7,348	81,365	226	24,006
72	Electric Intangible	Remington	D.0002273.006	CEC-Builders Call SW SPS-10723	**107,391**	(58)	107,448	0	1
73	Electric Intangible	Remington	D.0002363.016	Res Data Science Models SPS	**105,750**	3,532	86,887	-	15,331
74	Electric Intangible	Remington	D.0002008.022	ITC EDS2-A2A SW SPS-200074	**97,401**	73	7,359	-	89,969

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Plant Additions by Project and Elements of Cost, Rule Reference 17.1.3.16

Line No.	Asset Class	Witness	WBS Level 2	Project Description (WBS Level 2 Description)	Base Period Total	Base Period Labor	Base Period Contract Work	Base Period Supplies and Materials	Base Period Other
75	Electric Intangible	Remington	D.0002133.009	ITC-Business Objects Ref SW 200147	**96,144**	19,500	42,467	-	34,177
76	Electric Intangible	Remington	D.0002269.020	ITC-OT Environment Upgrade SW 20018	**93,574**	29,851	36,989	-	26,733
77	Electric Intangible	Remington	D.0002073.009	ITC-Safety Observations & SW 20016	**77,264**	3,389	16,283	-	57,591
78	Electric Intangible	Remington	D.0002273.010	CXT-NCC SW Ph2-SPS	**77,140**	20,052	(41,474)	1	98,561
79	Electric Intangible	Remington	D.0001849.004	ITC-Pro Mod Analytics SW 200146 SPS	**61,416**	1,088	1,208	-	59,120
80	Electric Intangible	Remington	D.0002041.016	eGRC Ph IV SOX SW SPS-10764	**59,326**	20	1,389	-	57,918
81	Electric Intangible	Remington	D.0002429.024	ITC-ARM SW 200172 SPS	**58,720**	2,471	37,913	-	18,336
82	Electric Intangible	Remington	D.0002020.046	ITC-TCOE_SAP Test Automate SW 20007	**47,560**	789	46,667	-	104
83	Electric Intangible	Remington	D.0002020.042	ITC-SAP BW Upgrade 2021 SW 200148 S	**40,966**	2,414	33,451	-	5,101
84	Electric Intangible	Remington	D.0002291.006	ITC-Gentran Upgrade SW 200171 SPS	**37,224**	192	1,777	-	35,254
85	Electric Intangible	Remington	D.0002429.018	ITC-E911 Licensing SW 200172 SPS	**32,798**	1,344	15,386	-	16,067
86	Electric Intangible	Remington	D.0002020.022	ITC Operational Reporting SW SPS-20	**21,585**	453	21,117	-	16
87	Electric Intangible	Remington	D.0002020.028	ITC-SAP Test Automation SW 200074 S	**13,066**	198	12,868	-	(0)
88	Electric Intangible	Remington	D.0002300.004	ITC-Enterprise Purge Archive-SW SPS	**12,410**	257	12,154	-	(0)
89	Electric Intangible	Remington	D.0002365.008	ITC-Appication Performanc SW 200171	**8,788**	1,900	6,818	-	70
90	Electric Intangible	Remington	D.0002265.004	ITC - 2020 Oracle Licenses SW - TX	**7,961**	-	-	-	7,961
91	Electric Intangible	Remington	D.0002284.004	ITC-Emptoris Replacement-SW SPS	**7,656**	465	7,191	-	(0)
92	Electric Intangible	Remington	D.0002312.004	ITC-SailPoint Phase 5-SW SPS	**4,398**	482	3,897	-	19
93	Electric Intangible	Remington	D.0002003.010	2018 Oracle SW SPS-10701	**4,339**	-	-	-	4,339
94	Electric Intangible	Remington	D.0002187.006	Cyber Security Data SW SPS-10743	**4,314**	73	4,241	-	0
95	Electric Intangible	Remington	D.0002063.009	ITC-Meridium Upgrade-SW SPS	**4,270**	2,399	1,824	-	48
96	Electric Intangible	Remington	D.0002277.006	ITC - Crew Time Entry App SPS	**3,688**	3,493	20	-	175
97	Electric Intangible	Remington	D.0002254.016	RPA Release 2 SW SPS - 10788	**3,544**	3,301	-	-	243
98	Electric Intangible	Remington	D.0002003.004	Oracle Version Upgrade SPSSW-BSPRJ0	**3,115**	-	-	-	3,115
99	Electric Intangible	Remington	D.0002344.004	ITC OT Monitoring 2020 SW SPS-20018	**2,626**	87	2,500	29	10
100	Electric Intangible	Remington	D.0002290.004	ITC-Field Collect Sys Upg-SW SPS	**2,208**	-	-	-	2,208
101	Electric Intangible	Remington	D.0002143.004	Technology Lic SW SPS	**1,919**	-	-	-	1,919
102	Electric Intangible	Remington	D.0002045.015	Operation Monitor SW SPS-10728	**1,024**	25	999	-	-
103	Electric Intangible	Remington	D.0002309.004	ITC-MRAS Upg to 64 Bit OS-SW SPS	**719**	67	650	-	2
104	Electric Intangible	Remington	D.0001805.004	Next Gen MSFT LIC SW SPS-10692	**658**	-	-	-	658
105	Electric Intangible	Remington	D.0002305.004	ITC-Primavera Upgrade-SW SPS	**640**	22	617	-	0
106	Electric Intangible	Remington	D.0002346.006	ITC-Legal Hold Custodian SW 200071	**497**	5	492	-	-
107	Electric Intangible	Remington	D.0002385.006	ITC-RationalLic2020 SW 200074 SPS	**283**	114	166	-	3
108	Electric Intangible	Remington	D.0002377.006	ITC-FERC Order 860 SW 200074 SPS	**273**	(3,143)	(5,500)	-	8,915
109	Electric Intangible	Remington	D.0002313.004	ITC-Archer 2020-SW SPS	**246**	241	-	-	5
110	Electric Intangible	Remington	D.0002199.006	CRS Voice Agent SW SPS-10753	**164**	2	162	-	0
111	Electric Intangible	Remington	D.0002376.008	ITC-Binary Tree SW 200074 SPS	**144**	35	109	-	(0)

Southwestern Public Service Company

Capital Additions Closed to Plant-in-Service for the Base Period of July 1, 2021 through June 30, 2022
Plant Additions by Project and Elements of Cost, Rule Reference 17.1.3.16

Line No.	Asset Class	Witness	WBS Level 2	Project Description (WBS Level 2 Description)	Base Period Total	Base Period Labor	Base Period Contract Work	Base Period Supplies and Materials	Base Period Other
112	Electric Intangible	Remington	D.0001839.186	Mobile Computing Infra SW SPS	**121**	-	-	-	121
113	Electric Intangible	Remington	D.0001826.366	Microsoft Core SW SPS-10678	**96**	-	-	-	96
114	Electric Intangible	Remington	D.0002084.020	Tririga Mobile SW SPS-10730	**81**	-	-	-	81
115	Electric Intangible	Remington	D.0002353.026	ITC-Vertex SW 200074 SPS	**72**	73	-	-	(0)
116	Electric Intangible	Remington	D.0002294.004	ITC-UI Stabilization FMS-SW-SPS	**68**	1	67	-	0
117	Electric Intangible	Remington	D.0001796.014	Netwrk Tools LNI Smallworld SW TX -	**48**	-	-	-	48
118	Electric Intangible	Remington	D.0002285.004	ITC-General Counsel Doc Mgmt-SW SPS	**46**	-	-	-	46
119	Electric Intangible	Remington	D.0002326.004	ITC Email Adv Threat Prot SW SPS-20	**32**	32	-	-	(0)
120	Electric Intangible	Remington	D.0001839.297	Active Directory 2016 SW SPS-10737	**12**	-	-	-	12
121	Electric Intangible	Remington	D.0001826.191	Demand Response Manage SW SPS	**11**	-	-	-	11
122	Electric Intangible	Remington	D.0002002.007	NMS 1.12 Upgrade SW SPS-10669	**10**	-	-	-	10
123	Electric Intangible	Remington	D.0001805.016	Next Gen MSFT Deploy SW SPS -10693	**8**	-	-	-	8
124	Electric Intangible	Remington	D.0002098.017	CyberArk CIP SW SPS-10749	**7**	-	-	-	7
125	Electric Intangible	Remington	D.0002072.004	Replace Meeting Planner SW SPS-1073	**3**	-	-	-	3
126	Electric Intangible	Remington	D.0001796.034	Net Tools CISCO SW SPS-10718	**2**	-	-	-	2
127	Electric Intangible	Remington	D.0002257.006	ITC-Data Discovery-SW SPS	**2**	0	2	-	-
128	Electric Intangible	Remington	D.0002373.008	ITC-Motorola LMR Core SW 200184 SPS	**0**	-	-	-	0
129	Electric Intangible	Remington	D.0002259.006	XE1 Wave 5 - Distribution SW-10796	**0**	-	-	-	0
130	Electric Intangible	Remington	D.0002261.004	ITC - 2021 Oracle Licenses SW - TX	**(0)**	-	-	-	(0)
131	Electric Intangible	Remington	D.0002255.006	CXT Contact Center SW SPS-10790	**(6)**	-	(6)	-	-
132	Electric Intangible	Remington	D.0002256.006	CXT Analytics, AI and NLU SW SPS-10	**(6)**	-	(6)	-	-
133	Electric Intangible	Remington	D.0002429.012	ITC-Audio Routing Mgr SW 200162 SPS	**(6)**	218	(218)	-	(6)
134	Electric Intangible	Remington	D.0001726.058	Work and Asset Phase 1 SW SPS	**(62)**	(331)	-	-	269
135	Electric Intangible	Remington	D.0001723.048	ADMS Data - SPS	**(92)**	-	(258)	167	0
136	Electric Intangible	Remington	D.0002396.058	SPS-SW FERC Rprtng-E	**(312,607)**	-	-	-	(312,607)
137	**Grand Total**				**$ 64,220,612**	**$ 7,091,103**	**$ 26,392,198**	**$ 115,133**	**$ 30,622,178**

Southwestern Public Service Company

Capital Additions Closed to or Expected to be Closed to Plant-in-Service for the Linkage Period of July 1, 2022 through June 30, 2023

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Line No.	**Asset Class**	**Witness**	**Project Category**	**WBS Level 2**	**Project Description (WBS Level 2 Description)**	**In-Service Date**	**Additions to Plant-in-Service Linkage Period Total Company**	**Additions to Plant-in-Service Linkage Period NM Retail**
1	Electric General	Remington	Customer	D.0002223.015	ITC-Customer Care IVR Up HW TX	9/30/2022	$ 23,739	$ 8,358
2	Electric General	Remington	Cyber Security	D.0002384.006	ITC-Analog Security Camera Routine	Routine	391,314	137,774
3	Electric General	Remington	AGIS	D.0001723.007	ADMS SW SPS	4/30/2022	32,280	11,365
4	Electric General	Remington	Aging Technology	D.0001821.541	Purch EMS Mapboard Building AOC SPS	5/31/2021	6,044	2,128
5	Electric General	Remington	Enhance Capabilities	D.0001826.374	Purch Synchrophasor Net HW SPS	9/30/2022	29,755	10,476
6	Electric General	Remington	Aging Technology	D.0001843.004	ITC-Doble DUC Upgrade HW SPS	12/31/2022	653,452	230,068
7	Electric General	Remington	Enhance Capabilities	D.0001844.015	ITC-Renewbl Energy Perform HW NP SP	9/1/2022	80,000	28,166
8	Electric General	Remington	Cyber Security	D.0001897.004	ITC-Red Team Program Development N	12/30/2022	5,628	1,982
9	Electric General	Remington	Enhance Capabilities	D.0001899.004	ITC-MAC Support Enablement HW SPS	12/31/2022	45,450	16,002
10	Electric General	Remington	Enhance Capabilities	D.0001913.004	ITC-Field Technology Re-platform HW	12/31/2022	75,750	26,670
11	Electric General	Remington	Aging Technology	D.0001944.004	ITC-Handheld Mobile Refresh Routi H	Routine	69,988	24,641
12	Electric General	Remington	Aging Technology	D.0002014.014	ITC - WAN Routine HW SPS	Routine	3,554,566	1,251,496
13	Electric General	Remington	Aging Technology	D.0002038.007	DEMS Ph4 HW SPS-10756	6/16/2023	9,201,887	3,239,811
14	Electric General	Remington	Aging Technology	D.0002038.012	ITC-Purch DEMS HW SPS	6/16/2023	7,015,370	2,469,980
15	Electric General	Remington	Emergent Demand	D.0002059.004	BUD-IT Blanket-Net Strategy HW SPS	Routine	72,232	25,432
16	Electric General	Remington	Aging Technology	D.0002082.022	ITC-VCE Phase 4 HW SPS	12/31/2022	244,811	86,194
17	Electric General	Remington	Aging Technology	D.0002109.008	ITC-Rugged Tablets Refrsh Routine H	Routine	113,053	39,804
18	Electric General	Remington	Aging Technology	D.0002173.004	2022 EMS Refresh HW SPS	12/31/2022	96,753	34,065
19	Electric General	Remington	Aging Technology	D.0002173.008	ITC-2022 EMS Infrastructure Refre C	12/31/2022	16,084	5,663
20	Electric General	Remington	Customer	D.0002209.017	ITC-2020 HH Refresh Routine HW SPS	Routine	100,879	35,518
21	Electric General	Remington	Aging Technology	D.0002286.023	ITC-DC5 Server Installation NP SPS	11/30/2022	83,613	29,439
22	Electric General	Remington	Aging Technology	D.0002320.021	ITC - VDI Refresh Ph 2 HW SPS	12/31/2022	915	322
23	Electric General	Remington	Aging Technology	D.0002354.004	ITC-PC Refreshes-Routine HW-SPS	Routine	1,603,918	564,709
24	Electric General	Remington	Aging Technology	D.0002355.004	ITC-Printer Refreshes-Routine HW-SP	Routine	354,939	124,967
25	Electric General	Remington	Aging Technology	D.0002356.004	ITC - IT INFS Network Refresh HW SP	Routine	700,065	246,480
26	Electric General	Remington	Aging Technology	D.0002397.001	ITC-SPS MW-N Upgrade HW SPS	12/31/2022	3,291,000	1,158,699
27	Electric General	Remington	Cyber Security	D.0002426.010	AM: Architecture HW SPS	3/30/2023	603,696	212,550
28	Electric General	Remington	Enhance Capabilities	D.0002429.004	ITC-Return to Office NP SPS	12/31/2021	4,165	1,466
29	Electric General	Remington	Aging Technology	D.0002482.008	ITC-LFCM End User NP Routine HW SPS	Routine	667,096	234,872
30	Electric General	Remington	Aging Technology	D.0002485.004	ITC-LFCM Network Services NP SPS	Routine	1	0
31	Electric General	Remington	Aging Technology	D.0002485.008	ITC-LFCM-Network Services Routine N	11/30/2022	1,721,223	606,010
32	Electric General	Remington	Aging Technology	D.0002488.008	ITC-LFCM OT Modernization NP Rout H	Routine	3,982,335	1,402,105
33	Electric General	Remington	Aging Technology	D.0002489.008	ITC-LFCM Infra Svcs NP Rout HW SPS	Routine	777,401	273,708
34	Electric General	Remington	Aging Technology	D.0002500.004	ITC-Fabric Refresh NP SPS	12/31/2022	48,189	16,966

Southwestern Public Service Company

Capital Additions Closed to or Expected to be Closed to Plant-in-Service for the Linkage Period of July 1, 2022 through June 30, 2023

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Line No.	**Asset Class**	**Witness**	**Project Category**	**WBS Level 2**	**Project Description (WBS Level 2 Description)**	**In-Service Date**	**Additions to Plant-in-Service Linkage Period Total Company**	**Additions to Plant-in-Service Linkage Period NM Retail**
35	Electric General	Remington	Aging Technology	D.0002517.004	ITC-SD-WAN HW NP SPS	10/31/2022	430,543	151,586
36	Electric General	Remington	Aging Technology	D.0002518.004	ITC-LFCM Data StorageRout HW NP SPS	Routine	20,085	7,072
37	**Electric General Total**						**$ 36,118,220**	**$ 12,716,544**
38	Electric Intangible	Remington	Aging Technology	D.0001726.058	Work and Asset Phase 1 SW SPS	12/31/2017	$ (272)	$ (96)
39	Electric Intangible	Remington	Cyber Security	D.0001771.017	Cert Key CIP SW SPS-10752	8/31/2022	375,222	132,108
40	Electric Intangible	Remington	Enhance Capabilities	D.0001804.344	Synchrophasor SW SPS-10655	9/30/2022	1,475,578	519,523
41	Electric Intangible	Remington	Enhance Capabilities	D.0001804.358	CIP Substation Ph2 SW SPS -10659	5/31/2023	4,591,986	1,616,752
42	Electric Intangible	Remington	Enhance Capabilities	D.0001833.006	SAP Solution Manager Cap - SPS	12/31/2022	1,166	411
43	Electric Intangible	Remington	Enhance Capabilities	D.0001842.006	ITC-Mobile Asset Info SW 200124 SPS	12/30/2022	939,656	330,835
44	Electric Intangible	Remington	Aging Technology	D.0001843.018	ITC-Doble DUC MS Licenses SW 200148	12/31/2022	14,320	5,042
45	Electric Intangible	Remington	Enhance Capabilities	D.0001844.010	ITC-Renewbl Energy Perform SW 20013	6/30/2023	894,773	315,033
46	Electric Intangible	Remington	Cyber Security	D.0001845.006	ITC-SSO Upgrade to Azure SW 200148	9/30/2022	165,300	58,199
47	Electric Intangible	Remington	Aging Technology	D.0001850.004	ITC-Ntwrk Security Orchstr SW 20017	10/31/2022	672,307	236,707
48	Electric Intangible	Remington	Enhance Capabilities	D.0001854.006	ITC-OSI PI Icing Evnt Calc SW 20018	10/28/2022	1,909	672
49	Electric Intangible	Remington	Enhance Capabilities	D.0001854.010	ITC-OSI PI WindFarm Intgtn SW 20018	10/28/2022	17,274	6,082
50	Electric Intangible	Remington	Enhance Capabilities	D.0001854.014	ITC-OSI PI SubEquip Mnitor SW 20018	10/28/2022	22,977	8,090
51	Electric Intangible	Remington	Aging Technology	D.0001856.004	ITC-Monitoring Device Mgmt SW 20017	4/17/2023	742,685	261,485
52	Electric Intangible	Remington	Enhance Capabilities	D.0001857.006	ITC-Trans Nerve Center SW 200123 SP	12/31/2022	840,765	296,018
53	Electric Intangible	Remington	Enhance Capabilities	D.0001895.008	ITC-SAP ADR Finance SW 200074 SPS	12/30/2022	36,337	12,794
54	Electric Intangible	Remington	Enhance Capabilities	D.0001895.012	ITC-SAP ADR Supply Chain SW 200074	12/30/2022	44,013	15,496
55	Electric Intangible	Remington	Enhance Capabilities	D.0001895.016	ITC-SAP ADR Work Mgmt SW 200074 SPS	12/30/2022	54,280	19,111
56	Electric Intangible	Remington	Enhance Capabilities	D.0001895.022	ITC-SAP ADR Work Schedule SW 200074	12/30/2022	43,669	15,375
57	Electric Intangible	Remington	Enhance Capabilities	D.0001895.026	ITC-SAP ADR QIM/MOC SW 200074 SPS	12/30/2022	35,838	12,618
58	Electric Intangible	Remington	Cyber Security	D.0001897.013	ITC-Red Team Prog Dev SW 200148 SPS	12/30/2022	158,966	55,969
59	Electric Intangible	Remington	Cyber Security	D.0001898.004	ITC-EDR SW 200148 SPS	11/30/2022	377,817	133,022
60	Electric Intangible	Remington	Cyber Security	D.0001914.006	ITC-Tanium Enforce/PWC Acc SW 20014	9/2/2022	113,146	39,837
61	Electric Intangible	Remington	Enhance Capabilities	D.0001920.004	ITC-Electric Out Response SW 200116	7/31/2022	29,202	10,282
62	Electric Intangible	Remington	Cyber Security	D.0001940.010	ITC-EUS Microsoft E5 SW 200148 SPS	12/30/2022	51,108	17,994
63	Electric Intangible	Remington	Aging Technology	D.0001977.006	ITC-Automation Capability SW 200172	11/30/2022	53,442	18,816
64	Electric Intangible	Remington	Aging Technology	D.0002020.018	BUD-SAP Continous Improve SW SPS	Routine	250,803	88,303
65	Electric Intangible	Remington	Aging Technology	D.0002020.054	ITC-SAP HANA Sidecar SW 200074 SPS	11/30/2022	409,880	144,311
66	Electric Intangible	Remington	Customer	D.0002037.025	CXT Cust Serv Console SW SPS-10786	12/31/2022	220,146	77,509
67	Electric Intangible	Remington	Aging Technology	D.0002054.009	ITC-GOLD Replacement SW 200074 SPS	3/31/2023	516,304	181,781
68	Electric Intangible	Remington	Enhance Capabilities	D.0002074.009	ITC-Ent Data Mgmt Tool SW 200074 SP	8/20/2022	682,956	240,456

Southwestern Public Service Company

Capital Additions Closed to or Expected to be Closed to Plant-in-Service for the Linkage Period of July 1, 2022 through June 30, 2023

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Line No.	**Asset Class**	**Witness**	**Project Category**	**WBS Level 2**	**Project Description (WBS Level 2 Description)**	**In-Service Date**	**Additions to Plant-in-Service Linkage Period Total Company**	**Additions to Plant-in-Service Linkage Period NM Retail**
69	Electric Intangible	Remington	Aging Technology	D.0002085.008	ITC-landworks upgrade SW 200122 SPS	9/30/2022	364,703	128,405
70	Electric Intangible	Remington	Aging Technology	D.0002114.009	ITC-Aligne Fuels Upgrade SW 200136	11/30/2022	137,373	48,366
71	Electric Intangible	Remington	Aging Technology	D.0002125.032	ITC-SAP DR SW SW 200074 SPS	12/31/2022	173,327	61,025
72	Electric Intangible	Remington	Customer	D.0002137.004	CRS Tech Stack SW SPS	12/31/2022	0	0
73	Electric Intangible	Remington	Customer	D.0002137.013	ITC-CRS Tech Stack SW 200171 SPS	9/19/2022	1,364,794	480,518
74	Electric Intangible	Remington	Aging Technology	D.0002153.014	ITC-Tech License 2022 SW 200148 SPS	12/31/2022	1,201,706	423,098
75	Electric Intangible	Remington	Cyber Security	D.0002206.006	Security AMAG SW SPS-10766	9/30/2022	180,850	63,674
76	Electric Intangible	Remington	Customer	D.0002209.012	ITC-Itron Mobile App SW 200170 SPS	9/20/2022	69,688	24,536
77	Electric Intangible	Remington	Customer	D.0002223.009	ITC-Customer Care IVR Up SW 200162	6/30/2022	1,367,111	481,334
78	Electric Intangible	Remington	Aging Technology	D.0002240.005	ITC - HCM Kronos Timekeepi SW 20016	12/30/2022	819,212	288,429
79	Electric Intangible	Remington	Aging Technology	D.0002240.009	ITC - HCM Core Payrll Bnft SW 20016	12/30/2022	3,190,517	1,123,321
80	Electric Intangible	Remington	Aging Technology	D.0002240.017	ITC-HCM Service Now SW 200165 SPS	12/30/2022	993,532	349,804
81	Electric Intangible	Remington	Customer	D.0002247.006	CXT-My Acct SW SPS-10778	3/30/2022	12,131	4,271
82	Electric Intangible	Remington	Customer	D.0002249.006	CXT-Mobile App PH1 SW SPS-10780	6/30/2022	1,817,152	639,785
83	Electric Intangible	Remington	Customer	D.0002250.006	CXT-Cust API PH1 SW SPS-10781	12/31/2020	15,427	5,431
84	Electric Intangible	Remington	Customer	D.0002251.006	CXT-Cust Data SW SPS-10782	12/31/2020	14	5
85	Electric Intangible	Remington	Customer	D.0002253.010	CXT-CIAM SW Ph2-SPS	12/31/2022	4,665	1,642
86	Electric Intangible	Remington	Enhance Capabilities	D.0002254.026	RPA Release 4 SW SPS - 10788	12/31/2022	428,114	150,731
87	Electric Intangible	Remington	Aging Technology	D.0002262.004	ITC-RPAM Upgrade SW 200074 SPS	4/3/2023	247,708	87,213
88	Electric Intangible	Remington	Cyber Security	D.0002276.004	ITC-Documentum 16.4 Upgrade-SW SPS	8/22/2022	215,450	75,856
89	Electric Intangible	Remington	Enhance Capabilities	D.0002277.006	ITC - Crew Time Entry App SPS	12/30/2022	548,418	193,088
90	Electric Intangible	Remington	Enhance Capabilities	D.0002277.016	EXT Time Entry App SPS	12/30/2021	17,519	6,168
91	Electric Intangible	Remington	Aging Technology	D.0002286.026	ITC-DC5 Thermal SW 200137 SPS	11/30/2022	139,201	49,010
92	Electric Intangible	Remington	Enhance Capabilities	D.0002298.004	ITC-UAS Fleet Mngmt-SW-SPS	12/30/2022	0	0
93	Electric Intangible	Remington	Aging Technology	D.0002300.012	ITC-CRS Data Purge SW 200171 SPS	10/20/2022	148,365	52,236
94	Electric Intangible	Remington	Aging Technology	D.0002308.004	ITC-BUD Upgrade- SW SPS	10/31/2022	818,987	288,350
95	Electric Intangible	Remington	Aging Technology	D.0002320.015	ITC-VDI Refresh SW Ph 2 SW 200148 S	12/31/2022	161,101	56,721
96	Electric Intangible	Remington	Aging Technology	D.0002340.004	ITC Oracle Exadata Refresh SW SPS-2	4/30/2022	3,283	1,156
97	Electric Intangible	Remington	Cyber Security	D.0002347.006	ITC-Risk Assess as Serv SW 200074 S	8/31/2022	255,649	90,009
98	Electric Intangible	Remington	Aging Technology	D.0002350.006	ITC-SAS BookRunner Upgra SW 200134	3/31/2023	1,290,115	454,225
99	Electric Intangible	Remington	Enhance Capabilities	D.0002363.020	SPS - Elec & Supply Data Science	12/31/2021	4,269	1,503
100	Electric Intangible	Remington	Enhance Capabilities	D.0002363.035	Data Science Models Phs2 - SPS	12/31/2022	160,390	56,470
101	Electric Intangible	Remington	Aging Technology	D.0002376.018	ITC-Tanzu SW 200148 SPS	10/31/2022	86,791	30,557
102	Electric Intangible	Remington	Aging Technology	D.0002376.034	ITC-Application Uplift SW 200074 SP	10/31/2022	7,613	2,681
103	Electric Intangible	Remington	Aging Technology	D.0002376.040	ITC-Unix/Linux SW 200074 SPS	10/31/2022	7,613	2,681

Southwestern Public Service Company

Capital Additions Closed to or Expected to be Closed to Plant-in-Service for the Linkage Period of July 1, 2022 through June 30, 2023

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Line No.	**Asset Class**	**Witness**	**Project Category**	**WBS Level 2**	**Project Description (WBS Level 2 Description)**	**In-Service Date**	**Additions to Plant-in-Service Linkage Period Total Company**	**Additions to Plant-in-Service Linkage Period NM Retail**
104	Electric Intangible	Remington	Aging Technology	D.0002378.006	ITC-O365 Email Legal Hold SW 200074	12/15/2022	168,983	59,496
105	Electric Intangible	Remington	Customer	D.0002389.006	ITC-Agent 360 SPS	12/31/2021	451,135	158,836
106	Electric Intangible	Remington	Customer	D.0002390.004	ITC-Billing & Payments SPS	12/31/2021	8,132	2,863
107	Electric Intangible	Remington	Customer	D.0002391.004	ITC-NL/IVR SPS	12/31/2021	779	274
108	Electric Intangible	Remington	Customer	D.0002392.004	ITC-Notifications SPS	12/31/2021	147	52
109	Electric Intangible	Remington	Customer	D.0002393.004	ITC-Outages SPS	12/31/2021	354	125
110	Electric Intangible	Remington	Enhance Capabilities	D.0002399.022	Shk Tnk - QR Code SPS	12/30/2022	86,954	30,615
111	Electric Intangible	Remington	Aging Technology	D.0002402.006	ITC-Broadridge SW 200171 SPS	11/20/2022	188,212	66,266
112	Electric Intangible	Remington	Aging Technology	D.0002409.010	ITC-Seeburger Expansn SW 200074 SPS	7/30/2022	45,576	16,046
113	Electric Intangible	Remington	Enhance Capabilities	D.0002409.018	ITC-IR Phase 2 and Decom SW 200074	7/29/2022	990	349
114	Electric Intangible	Remington	Cyber Security	D.0002410.006	ITC-Terrain Analytics SW 200148 SPS	11/30/2022	292,133	102,855
115	Electric Intangible	Remington	Cyber Security	D.0002413.006	ITC-SailPoint Phase 6 SW 200148 SPS	11/1/2022	171,454	60,366
116	Electric Intangible	Remington	Cyber Security	D.0002417.004	ITC-Reprivata Sensors SW 200148 SPS	2/3/2023	94,208	33,169
117	Electric Intangible	Remington	Cyber Security	D.0002419.004	ITC-RC Tool Buildout SW 200148 SPS	1/1/2023	23,968	8,439
118	Electric Intangible	Remington	Enhance Capabilities	D.0002427.006	ITC-ES APM Phase 2 SW 200137 SPS	12/15/2022	783,547	275,872
119	Electric Intangible	Remington	Enhance Capabilities	D.0002427.013	ITC-Transmission APM SW 200123 SPS	9/30/2022	69,139	24,342
120	Electric Intangible	Remington	Enhance Capabilities	D.0002429.018	ITC-E911 Licensing SW 200172 SPS	9/30/2022	16,173	5,694
121	Electric Intangible	Remington	Enhance Capabilities	D.0002430.006	ITC-Real Time Sched Engine SW 20011	12/31/2022	2,072,833	729,805
122	Electric Intangible	Remington	Enhance Capabilities	D.0002432.006	ITC-EXT Mobile Application SW 20007	Routine	223,179	78,577
123	Electric Intangible	Remington	Enhance Capabilities	D.0002434.006	ITC-Meter-to-Cash Resilncy SW 20017	3/1/2023	1,010,802	355,884
124	Electric Intangible	Remington	Aging Technology	D.0002438.010	ITC-Unified Data Platform SW 200074	10/30/2022	176,134	62,014
125	Electric Intangible	Remington	Aging Technology	D.0002445.004	ITC-Powerplan Upgrade SW 200184 SPS	11/14/2022	348,482	122,694
126	Electric Intangible	Remington	Aging Technology	D.0002454.004	ITC-FARR replacement SW 200097 SPS	2/28/2023	195,652	68,885
127	Electric Intangible	Remington	Aging Technology	D.0002456.004	ITC-Dist and Gas Planning SW 200097	3/31/2023	132,526	46,660
128	Electric Intangible	Remington	Enhance Capabilities	D.0002465.006	ITC-Field Modem Mgmt SW 200184 SPS	12/31/2022	109,402	38,518
129	Electric Intangible	Remington	Enhance Capabilities	D.0002466.004	ITC-eSOMS Upgrade SW 200184 SPS	11/30/2022	209,614	73,801
130	Electric Intangible	Remington	Aging Technology	D.0002469.006	ITC-BI Environment Refresh SW 20014	11/30/2022	29,894	10,525
131	Electric Intangible	Remington	Enhance Capabilities	D.0002469.010	ITC-BI GOLDENGATE SW SW 200148 SPS	9/30/2022	14,212	5,004
132	Electric Intangible	Remington	Enhance Capabilities	D.0002469.014	ITC-BI INFOMATICA SW SW 200148 SPS	10/30/2022	19,976	7,033
133	Electric Intangible	Remington	Aging Technology	D.0002485.018	ITC-Checkpoint SW 200172 SPS	12/31/2022	146,199	51,474
134	Electric Intangible	Remington	Cyber Security	D.0002486.004	ITC-Srvc Acct Remediation SW 200148	Routine	159,899	56,297
135	Electric Intangible	Remington	Aging Technology	D.0002491.006	ITC-MDO Supply Chain SW 200074 SPS	8/30/2022	112,365	39,562
136	Electric Intangible	Remington	Aging Technology	D.0002492.010	ITC-Employee Digital Intra SW 20016	12/12/2022	230,504	81,156
137	Electric Intangible	Remington	Aging Technology	D.0002501.008	ITC-DL Prevention 2022 SW 200148 SP	9/30/2022	127,221	44,792
138	Electric Intangible	Remington	Aging Technology	D.0002512.004	ITC-Service Now Upgrade SW 200074 S	Routine	681,759	240,035

Southwestern Public Service Company

Capital Additions Closed to or Expected to be Closed to Plant-in-Service for the Linkage Period of July 1, 2022 through June 30, 2023

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Line No.	**Asset Class**	**Witness**	**Project Category**	**WBS Level 2**	**Project Description (WBS Level 2 Description)**	**In-Service Date**	**Additions to Plant-in-Service Linkage Period Total Company**	**Additions to Plant-in-Service Linkage Period NM Retail**
139	Electric Intangible	Remington	Aging Technology	D.0002517.008	ITC-SW Defined WAN SW 200172 SPS	10/31/2022	297,175	104,630
140	**Electric Intangible Total**						**$ 38,786,051**	**$ 13,655,837**
141	**Grand Total**						**$ 74,904,271**	**$ 26,372,380**

Southwestern Public Service Company

Capital Additions Closed to or Expected to be Closed to Plant-in-Service for the Linkage Period of July 1, 2022 through June 30, 2023
Plant Additions by Project and Elements of Cost, Rule Reference 17.1.3.16

Line No.	Asset Class	Witness	WBS Level 2	Project Description (WBS Level 2 Description)	Linkage Period Total	Linkage Period Labor	Linkage Period Contract Work	Linkage Period Supplies and Materials	Linkage Period Other
1	Electric General	Remington	D.0002384.006	ITC-Analog Security Camera Routine	**$ 391,314**	$ 34,050	$ 142,071	$ 132,646	$ 82,548
2	Electric General	Remington	D.0002223.015	ITC-Customer Care IVR Up HW TX	**23,739**	2,066	8,619	8,047	5,008
3	Electric General	Remington	D.0002038.007	DEMS Ph4 HW SPS-10756	**9,201,887**	800,699	3,340,845	3,119,205	1,941,137
4	Electric General	Remington	D.0002038.012	ITC-Purch DEMS HW SPS	**7,015,370**	610,440	2,547,007	2,378,032	1,479,891
5	Electric General	Remington	D.0002488.008	ITC-LFCM OT Modernization NP Rout H	**3,982,335**	346,522	1,445,830	1,349,910	840,073
6	Electric General	Remington	D.0002014.014	ITC - WAN Routine HW SPS	**3,554,566**	309,299	1,290,524	1,204,908	749,835
7	Electric General	Remington	D.0002397.001	ITC-SPS MW-N Upgrade HW SPS	**3,291,000**	286,365	1,194,833	1,115,565	694,236
8	Electric General	Remington	D.0002485.008	ITC-LFCM-Network Services Routine N	**1,721,223**	149,772	624,909	583,451	363,092
9	Electric General	Remington	D.0002354.004	ITC-PC Refreshes-Routine HW-SPS	**1,603,918**	139,564	582,320	543,688	338,346
10	Electric General	Remington	D.0002489.008	ITC-LFCM Infra Svcs NP Rout HW SPS	**777,401**	67,645	282,244	263,519	163,993
11	Electric General	Remington	D.0002356.004	ITC - IT INFS Network Refresh HW SP	**700,065**	60,916	254,166	237,304	147,679
12	Electric General	Remington	D.0002482.008	ITC-LFCM End User NP Routine HW SPS	**667,096**	58,047	242,196	226,129	140,724
13	Electric General	Remington	D.0001843.004	ITC-Doble DUC Upgrade HW SPS	**653,452**	56,860	237,243	221,504	137,846
14	Electric General	Remington	D.0002426.010	AM: Architecture HW SPS	**603,696**	52,530	219,178	204,638	127,350
15	Electric General	Remington	D.0002517.004	ITC-SD-WAN HW NP SPS	**430,543**	37,464	156,313	145,943	90,823
16	Electric General	Remington	D.0002355.004	ITC-Printer Refreshes-Routine HW-SP	**354,939**	30,885	128,864	120,315	74,874
17	Electric General	Remington	D.0002082.022	ITC-VCE Phase 4 HW SPS	**244,811**	21,302	88,881	82,985	51,643
18	Electric General	Remington	D.0002109.008	ITC-Rugged Tablets Refrsh Routine H	**113,053**	9,837	41,045	38,322	23,849
19	Electric General	Remington	D.0002209.017	ITC-2020 HH Refresh Routine HW SPS	**100,879**	8,778	36,625	34,195	21,280
20	Electric General	Remington	D.0002173.004	2022 EMS Refresh HW SPS	**96,753**	8,419	35,127	32,797	20,410
21	Electric General	Remington	D.0002286.023	ITC-DC5 Server Installation NP SPS	**83,613**	7,276	30,357	28,343	17,638
22	Electric General	Remington	D.0001844.015	ITC-Renewbl Energy Perform HW NP SP	**80,000**	6,961	29,045	27,118	16,876
23	Electric General	Remington	D.0001913.004	ITC-Field Technology Re-platform HW	**75,750**	6,591	27,502	25,677	15,979
24	Electric General	Remington	D.0002059.004	BUD-IT Blanket-Net Strategy HW SPS	**72,232**	6,285	26,225	24,485	15,237
25	Electric General	Remington	D.0001944.004	ITC-Handheld Mobile Refresh Routi H	**69,988**	6,090	25,410	23,724	14,764
26	Electric General	Remington	D.0002500.004	ITC-Fabric Refresh NP SPS	**48,189**	4,193	17,495	16,335	10,165
27	Electric General	Remington	D.0001899.004	ITC-MAC Support Enablement HW SPS	**45,450**	3,955	16,501	15,406	9,588
28	Electric General	Remington	D.0001723.007	ADMS SW SPS	**32,280**	2,809	11,720	10,942	6,809
29	Electric General	Remington	D.0001826.374	Purch Synchrophasor Net HW SPS	**29,755**	2,589	10,803	10,086	6,277
30	Electric General	Remington	D.0002518.004	ITC-LFCM Data StorageRout HW NP SPS	**20,085**	1,748	7,292	6,808	4,237
31	Electric General	Remington	D.0002173.008	ITC-2022 EMS Infrastructure Refre C	**16,084**	1,400	5,839	5,452	3,393
32	Electric General	Remington	D.0001821.541	Purch EMS Mapboard Building AOC SPS	**6,044**	526	2,194	2,049	1,275
33	Electric General	Remington	D.0001897.004	ITC-Red Team Program Development N	**5,628**	490	2,043	1,908	1,187
34	Electric General	Remington	D.0002429.004	ITC-Return to Office NP SPS	**4,165**	362	1,512	1,412	879
35	Electric General	Remington	D.0002320.021	ITC - VDI Refresh Ph 2 HW SPS	**915**	80	332	310	193
36	Electric General	Remington	D.0002485.004	ITC-LFCM Network Services NP SPS	**1**	0	0	0	0

Southwestern Public Service Company

Capital Additions Closed to or Expected to be Closed to Plant-in-Service for the Linkage Period of July 1, 2022 through June 30, 2023
Plant Additions by Project and Elements of Cost, Rule Reference 17.1.3.16

Line No.	Asset Class	Witness	WBS Level 2	Project Description (WBS Level 2 Description)	Linkage Period Total	Linkage Period Labor	Linkage Period Contract Work	Linkage Period Supplies and Materials	Linkage Period Other
37	Electric Intangible	Remington	D.0001804.358	CIP Substation Ph2 SW SPS -10659	**4,591,986**	276,101	1,790,998	3,759	2,521,127
38	Electric Intangible	Remington	D.0002240.009	ITC - HCM Core Payrll Bnft SW 20016	**3,190,517**	191,836	1,244,388	2,612	1,751,682
39	Electric Intangible	Remington	D.0002430.006	ITC-Real Time Sched Engine SW 20011	**2,072,833**	124,633	808,461	1,697	1,138,043
40	Electric Intangible	Remington	D.0002249.006	CXT-Mobile App PH1 SW SPS-10780	**1,817,152**	109,260	708,738	1,487	997,667
41	Electric Intangible	Remington	D.0001804.344	Synchrophasor SW SPS-10655	**1,475,578**	88,722	575,515	1,208	810,133
42	Electric Intangible	Remington	D.0002223.009	ITC-Customer Care IVR Up SW 200162	**1,367,111**	82,200	533,210	1,119	750,582
43	Electric Intangible	Remington	D.0002137.013	ITC-CRS Tech Stack SW 200171 SPS	**1,364,794**	82,061	532,307	1,117	749,310
44	Electric Intangible	Remington	D.0002350.006	ITC-SAS BookRunner Upgra SW 200134	**1,290,115**	77,570	503,180	1,056	708,309
45	Electric Intangible	Remington	D.0002153.014	ITC-Tech License 2022 SW 200148 SPS	**1,201,706**	72,255	468,698	984	659,770
46	Electric Intangible	Remington	D.0002434.006	ITC-Meter-to-Cash Resilncy SW 20017	**1,010,802**	60,776	394,240	827	554,958
47	Electric Intangible	Remington	D.0002240.017	ITC-HCM Service Now SW 200165 SPS	**993,532**	59,738	387,504	813	545,477
48	Electric Intangible	Remington	D.0001842.006	ITC-Mobile Asset Info SW 200124 SPS	**939,656**	56,498	366,491	769	515,897
49	Electric Intangible	Remington	D.0001844.010	ITC-Renewbl Energy Perform SW 20013	**894,773**	53,800	348,986	732	491,255
50	Electric Intangible	Remington	D.0001857.006	ITC-Trans Nerve Center SW 200123 SP	**840,765**	50,553	327,921	688	461,603
51	Electric Intangible	Remington	D.0002240.005	ITC - HCM Kronos Timekeepi SW 20016	**819,212**	49,257	319,515	671	449,770
52	Electric Intangible	Remington	D.0002308.004	ITC-BUD Upgrade- SW SPS	**818,987**	49,243	319,427	670	449,646
53	Electric Intangible	Remington	D.0002427.006	ITC-ES APM Phase 2 SW 200137 SPS	**783,547**	47,112	305,604	641	430,189
54	Electric Intangible	Remington	D.0001856.004	ITC-Monitoring Device Mgmt SW 20017	**742,685**	44,655	289,667	608	407,755
55	Electric Intangible	Remington	D.0002074.009	ITC-Ent Data Mgmt Tool SW 200074 SP	**682,956**	41,064	266,371	559	374,961
56	Electric Intangible	Remington	D.0002512.004	ITC-Service Now Upgrade SW 200074 S	**681,759**	40,992	265,904	558	374,305
57	Electric Intangible	Remington	D.0001850.004	ITC-Ntwrk Security Orchstr SW 20017	**672,307**	40,424	262,218	550	369,115
58	Electric Intangible	Remington	D.0002277.006	ITC - Crew Time Entry App SPS	**548,418**	32,975	213,898	449	301,097
59	Electric Intangible	Remington	D.0002054.009	ITC-GOLD Replacement SW 200074 SPS	**516,304**	31,044	201,372	423	283,465
60	Electric Intangible	Remington	D.0002389.006	ITC-Agent 360 SPS	**451,135**	27,125	175,955	369	247,686
61	Electric Intangible	Remington	D.0002254.026	RPA Release 4 SW SPS - 10788	**428,114**	25,741	166,976	350	235,047
62	Electric Intangible	Remington	D.0002020.054	ITC-SAP HANA Sidecar SW 200074 SPS	**409,880**	24,645	159,864	336	225,035
63	Electric Intangible	Remington	D.0001898.004	ITC-EDR SW 200148 SPS	**377,817**	22,717	147,359	309	207,432
64	Electric Intangible	Remington	D.0001771.017	Cert Key CIP SW SPS-10752	**375,222**	22,561	146,347	307	206,007
65	Electric Intangible	Remington	D.0002085.008	ITC-landworks upgrade SW 200122 SPS	**364,703**	21,928	142,244	299	200,232
66	Electric Intangible	Remington	D.0002445.004	ITC-Powerplan Upgrade SW 200184 SPS	**348,482**	20,953	135,917	285	191,326
67	Electric Intangible	Remington	D.0002517.008	ITC-SW Defined WAN SW 200172 SPS	**297,175**	17,868	115,906	243	163,157
68	Electric Intangible	Remington	D.0002410.006	ITC-Terrain Analytics SW 200148 SPS	**292,133**	17,565	113,940	239	160,389
69	Electric Intangible	Remington	D.0002347.006	ITC-Risk Assess as Serv SW 200074 S	**255,649**	15,371	99,710	209	140,358
70	Electric Intangible	Remington	D.0002020.018	BUD-SAP Continous Improve SW SPS	**250,803**	15,080	97,820	205	137,698
71	Electric Intangible	Remington	D.0002262.004	ITC-RPAM Upgrade SW 200074 SPS	**247,708**	14,894	96,613	203	135,998
72	Electric Intangible	Remington	D.0002492.010	ITC-Employee Digital Intra SW 20016	**230,504**	13,859	89,903	189	126,553

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Capital Additions Closed to or Expected to be Closed to Plant-in-Service for the Linkage Period of July 1, 2022 through June 30, 2023
Plant Additions by Project and Elements of Cost, Rule Reference 17.1.3.16

Line No.	Asset Class	Witness	WBS Level 2	Project Description (WBS Level 2 Description)	Linkage Period Total	Linkage Period Labor	Linkage Period Contract Work	Linkage Period Supplies and Materials	Linkage Period Other
73	Electric Intangible	Remington	D.0002432.006	ITC-EXT Mobile Application SW 20007	**223,179**	13,419	87,046	183	122,531
74	Electric Intangible	Remington	D.0002037.025	CXT Cust Serv Console SW SPS-10786	**220,146**	13,237	85,863	180	120,866
75	Electric Intangible	Remington	D.0002276.004	ITC-Documentum 16.4 Upgrade-SW SPS	**215,450**	12,954	84,031	176	118,288
76	Electric Intangible	Remington	D.0002466.004	ITC-eSOMS Upgrade SW 200184 SPS	**209,614**	12,603	81,755	172	115,084
77	Electric Intangible	Remington	D.0002454.004	ITC-FARR replacement SW 200097 SPS	**195,652**	11,764	76,310	160	107,418
78	Electric Intangible	Remington	D.0002402.006	ITC-Broadridge SW 200171 SPS	**188,212**	11,317	73,408	154	103,333
79	Electric Intangible	Remington	D.0002206.006	Security AMAG SW SPS-10766	**180,850**	10,874	70,536	148	99,291
80	Electric Intangible	Remington	D.0002438.010	ITC-Unified Data Platform SW 200074	**176,134**	10,590	68,697	144	96,703
81	Electric Intangible	Remington	D.0002125.032	ITC-SAP DR SW SW 200074 SPS	**173,327**	10,422	67,602	142	95,161
82	Electric Intangible	Remington	D.0002413.006	ITC-SailPoint Phase 6 SW 200148 SPS	**171,454**	10,309	66,872	140	94,133
83	Electric Intangible	Remington	D.0002378.006	ITC-O365 Email Legal Hold SW 200074	**168,983**	10,160	65,908	138	92,776
84	Electric Intangible	Remington	D.0001845.006	ITC-SSO Upgrade to Azure SW 200148	**165,300**	9,939	64,471	135	90,754
85	Electric Intangible	Remington	D.0002320.015	ITC-VDI Refresh SW Ph 2 SW 200148 S	**161,101**	9,687	62,834	132	88,449
86	Electric Intangible	Remington	D.0002363.035	Data Science Models Phs2 - SPS	**160,390**	9,644	62,556	131	88,059
87	Electric Intangible	Remington	D.0002486.004	ITC-Srvc Acct Remediation SW 200148	**159,899**	9,614	62,365	131	87,789
88	Electric Intangible	Remington	D.0001897.013	ITC-Red Team Prog Dev SW 200148 SPS	**158,966**	9,558	62,001	130	87,277
89	Electric Intangible	Remington	D.0002300.012	ITC-CRS Data Purge SW 200171 SPS	**148,365**	8,921	57,866	121	81,456
90	Electric Intangible	Remington	D.0002485.018	ITC-Checkpoint SW 200172 SPS	**146,199**	8,790	57,022	120	80,267
91	Electric Intangible	Remington	D.0002286.026	ITC-DC5 Thermal SW 200137 SPS	**139,201**	8,370	54,292	114	76,425
92	Electric Intangible	Remington	D.0002114.009	ITC-Aligne Fuels Upgrade SW 200136	**137,373**	8,260	53,579	112	75,422
93	Electric Intangible	Remington	D.0002456.004	ITC-Dist and Gas Planning SW 200097	**132,526**	7,968	51,689	108	72,760
94	Electric Intangible	Remington	D.0002501.008	ITC-DL Prevention 2022 SW 200148 SP	**127,221**	7,649	49,620	104	69,848
95	Electric Intangible	Remington	D.0001914.006	ITC-Tanium Enforce/PWC Acc SW 20014	**113,146**	6,803	44,130	93	62,121
96	Electric Intangible	Remington	D.0002491.006	ITC-MDO Supply Chain SW 200074 SPS	**112,365**	6,756	43,825	92	61,691
97	Electric Intangible	Remington	D.0002465.006	ITC-Field Modem Mgmt SW 200184 SPS	**109,402**	6,578	42,670	90	60,065
98	Electric Intangible	Remington	D.0002417.004	ITC-Reprivata Sensors SW 200148 SPS	**94,208**	5,664	36,744	77	51,723
99	Electric Intangible	Remington	D.0002399.022	Shk Tnk - QR Code SPS	**86,954**	5,228	33,914	71	47,740
100	Electric Intangible	Remington	D.0002376.018	ITC-Tanzu SW 200148 SPS	**86,791**	5,218	33,851	71	47,651
101	Electric Intangible	Remington	D.0002209.012	ITC-Itron Mobile App SW 200170 SPS	**69,688**	4,190	27,180	57	38,261
102	Electric Intangible	Remington	D.0002427.013	ITC-Transmission APM SW 200123 SPS	**69,139**	4,157	26,966	57	37,959
103	Electric Intangible	Remington	D.0001895.016	ITC-SAP ADR Work Mgmt SW 200074 SPS	**54,280**	3,264	21,171	44	29,801
104	Electric Intangible	Remington	D.0001977.006	ITC-Automation Capability SW 200172	**53,442**	3,213	20,844	44	29,341
105	Electric Intangible	Remington	D.0001940.010	ITC-EUS Microsoft E5 SW 200148 SPS	**51,108**	3,073	19,934	42	28,060
106	Electric Intangible	Remington	D.0002409.010	ITC-Seeburger Expansn SW 200074 SPS	**45,576**	2,740	17,776	37	25,022
107	Electric Intangible	Remington	D.0001895.012	ITC-SAP ADR Supply Chain SW 200074	**44,013**	2,646	17,166	36	24,165
108	Electric Intangible	Remington	D.0001895.022	ITC-SAP ADR Work Schedule SW 200074	**43,669**	2,626	17,032	36	23,976

Southwestern Public Service Company

Capital Additions Closed to or Expected to be Closed to Plant-in-Service for the Linkage Period of July 1, 2022 through June 30, 2023
Plant Additions by Project and Elements of Cost, Rule Reference 17.1.3.16

Line No.	Asset Class	Witness	WBS Level 2	Project Description (WBS Level 2 Description)	Linkage Period Total	Linkage Period Labor	Linkage Period Contract Work	Linkage Period Supplies and Materials	Linkage Period Other
109	Electric Intangible	Remington	D.0001895.008	ITC-SAP ADR Finance SW 200074 SPS	**36,337**	2,185	14,173	30	19,950
110	Electric Intangible	Remington	D.0001895.026	ITC-SAP ADR QIM/MOC SW 200074 SPS	**35,838**	2,155	13,978	29	19,676
111	Electric Intangible	Remington	D.0002469.006	ITC-BI Environment Refresh SW 20014	**29,894**	1,797	11,659	24	16,412
112	Electric Intangible	Remington	D.0001920.004	ITC-Electric Out Response SW 200116	**29,202**	1,756	11,390	24	16,033
113	Electric Intangible	Remington	D.0002419.004	ITC-RC Tool Buildout SW 200148 SPS	**23,968**	1,441	9,348	20	13,159
114	Electric Intangible	Remington	D.0001854.014	ITC-OSI PI SubEquip Mnitor SW 20018	**22,977**	1,382	8,962	19	12,615
115	Electric Intangible	Remington	D.0002469.014	ITC-BI INFOMATICA SW SW 200148 SPS	**19,976**	1,201	7,791	16	10,967
116	Electric Intangible	Remington	D.0002277.016	EXT Time Entry App SPS	**17,519**	1,053	6,833	14	9,618
117	Electric Intangible	Remington	D.0001854.010	ITC-OSI PI WindFarm Intgtn SW 20018	**17,274**	1,039	6,737	14	9,484
118	Electric Intangible	Remington	D.0002429.018	ITC-E911 Licensing SW 200172 SPS	**16,173**	972	6,308	13	8,879
119	Electric Intangible	Remington	D.0002250.006	CXT-Cust API PH1 SW SPS-10781	**15,427**	928	6,017	13	8,470
120	Electric Intangible	Remington	D.0001843.018	ITC-Doble DUC MS Licenses SW 200148	**14,320**	861	5,585	12	7,862
121	Electric Intangible	Remington	D.0002469.010	ITC-BI GOLDENGATE SW SW 200148 SPS	**14,212**	855	5,543	12	7,803
122	Electric Intangible	Remington	D.0002247.006	CXT-My Acct SW SPS-10778	**12,131**	729	4,731	10	6,660
123	Electric Intangible	Remington	D.0002390.004	ITC-Billing & Payments SPS	**8,132**	489	3,172	7	4,465
124	Electric Intangible	Remington	D.0002376.034	ITC-Application Uplift SW 200074 SP	**7,613**	458	2,969	6	4,180
125	Electric Intangible	Remington	D.0002376.040	ITC-Unix/Linux SW 200074 SPS	**7,613**	458	2,969	6	4,180
126	Electric Intangible	Remington	D.0002253.010	CXT-CIAM SW Ph2-SPS	**4,665**	280	1,819	4	2,561
127	Electric Intangible	Remington	D.0002363.020	SPS - Elec & Supply Data Science	**4,269**	257	1,665	3	2,344
128	Electric Intangible	Remington	D.0002340.004	ITC Oracle Exadata Refresh SW SPS-2	**3,283**	197	1,280	3	1,803
129	Electric Intangible	Remington	D.0001854.006	ITC-OSI PI Icing Evnt Calc SW 20018	**1,909**	115	744	2	1,048
130	Electric Intangible	Remington	D.0001833.006	SAP Solution Manager Cap - SPS	**1,166**	70	455	1	640
131	Electric Intangible	Remington	D.0002409.018	ITC-IR Phase 2 and Decom SW 200074	**990**	60	386	1	544
132	Electric Intangible	Remington	D.0002391.004	ITC-NL/IVR SPS	**779**	47	304	1	428
133	Electric Intangible	Remington	D.0002393.004	ITC-Outages SPS	**354**	21	138	0	195
134	Electric Intangible	Remington	D.0002392.004	ITC-Notifications SPS	**147**	9	57	0	81
135	Electric Intangible	Remington	D.0002251.006	CXT-Cust Data SW SPS-10782	**14**	1	6	0	8
136	Electric Intangible	Remington	D.0002298.004	ITC-UAS Fleet Mngmt-SW-SPS	**0**	0	0	0	0
137	Electric Intangible	Remington	D.0002137.004	CRS Tech Stack SW SPS	**0**	0	0	0	0
138	Electric Intangible	Remington	D.0001726.058	Work and Asset Phase 1 SW SPS	**(272)**	(16)	(106)	(0)	(149)
139	**Grand Total**				**$ 74,904,271**	**$ 5,474,896**	**$ 28,240,721**	**$ 12,274,907**	**$ 28,913,747**

Southwestern Public Service Company

Capital Additions Expected to be Closed to Plant-in-Service for the Future Test Year Period of July 1, 2023 through June 30, 2024

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Line No.	**Asset Class**	**Witness**	**Project Category**	**WBS Level 2**	**Project Description (WBS Level 2 Description)**	**In-Service Date**	**Additions to Plant-in-Service Future Test Year Total Company**	**Additions to Plant-in-Service Future Test Year NM Retail**
1	Electric General	Remington	Cyber Security	D.0001896.004	ITC-FireEye IDS-IPS NP SPS	11/3/2023	$ 7,537	$ 2,654
2	Electric General	Remington	Aging Technology	D.0001921.004	ITC-Transmission Control Center SPS	Routine	70,953	24,981
3	Electric General	Remington	Aging Technology	D.0001944.004	ITC-Handheld Mobile Refresh Routi H	Routine	34,994	12,321
4	Electric General	Remington	Enhance Capabilities	D.0001948.004	ITC-Route and Switch Enhancements N	3/22/2024	350,000	123,228
5	Electric General	Remington	Enhance Capabilities	D.0001952.004	ITC-Network Monitoring NP SPS	3/31/2024	1,300,009	457,709
6	Electric General	Remington	Aging Technology	D.0001966.004	ITC-Operator Rounds Replacement HW	5/30/2024	143,533	50,535
7	Electric General	Remington	Enhance Capabilities	D.0001981.004	ITC-SASE Enhancement NP SPS	3/30/2024	1,250,000	440,101
8	Electric General	Remington	Aging Technology	D.0001983.004	ITC-Zero Trust NW NP SPS	3/31/2024	875,000	308,071
9	Electric General	Remington	Aging Technology	D.0002014.014	ITC - WAN Routine HW SPS	Routine	4,157,011	1,463,605
10	Electric General	Remington	Aging Technology	D.0002021.026	ITC-BUD-Facility IT Invest HW NP SP	Routine	73,429	25,853
11	Electric General	Remington	Aging Technology	D.0002021.029	ITC-Purch FITI Buchanan HW NP SPS	12/30/2023	291,700	102,702
12	Electric General	Remington	Aging Technology	D.0002038.007	DEMS Ph4 HW SPS-10756	6/16/2023	272,361	95,893
13	Electric General	Remington	Aging Technology	D.0002038.012	ITC-Purch DEMS HW SPS	6/16/2023	343,662	120,997
14	Electric General	Remington	Emergent Demand	D.0002059.004	BUD-IT Blanket-Net Strategy HW SPS	Routine	342,680	120,651
15	Electric General	Remington	Aging Technology	D.0002106.004	Purch VOIP Refresh HW SPS	Routine	592,516	208,614
16	Electric General	Remington	Aging Technology	D.0002354.004	ITC-PC Refreshes-Routine HW-SPS	Routine	2,138,088	752,780
17	Electric General	Remington	Aging Technology	D.0002355.004	ITC-Printer Refreshes-Routine HW-SP	Routine	496,000	174,632
18	Electric General	Remington	Aging Technology	D.0002356.004	ITC - IT INFS Network Refresh HW SP	Routine	1,592,500	560,689
19	Electric General	Remington	Aging Technology	D.0002357.001	ITC-Amarillo Tower Vacate NP SPS	12/31/2023	2,281,168	803,156
20	Electric General	Remington	Cyber Security	D.0002384.006	ITC-Analog Security Camera Routine	Routine	501,753	176,658
21	Electric General	Remington	Cyber Security	D.0002416.004	ITC-Verint Camera Server NP SPS	10/31/2023	2,108,052	742,205
22	Electric General	Remington	Aging Technology	D.0002482.008	ITC-LFCM End User NP Routine HW SPS	Routine	1,837,191	646,840
23	Electric General	Remington	Aging Technology	D.0002485.004	ITC-LFCM Network Services NP SPS	Routine	2,256,320	794,408
24	Electric General	Remington	Aging Technology	D.0002488.008	ITC-LFCM OT Modernization NP Rout H	Routine	666,157	234,541
25	Electric General	Remington	Aging Technology	D.0002489.008	ITC-LFCM Infra Svcs NP Rout HW SPS	Routine	1,477,401	520,165
26	Electric General	Remington	Enhance Capabilities	D.0002495.004	ITC-SIP Trunk Conversion NP SPS	12/31/2023	389,252	137,048
27	**Electric General Total**						**$ 25,849,267**	**$ 9,101,039**
28	Electric Intangible	Remington	Customer	D.0002493.004	CXT-Electric Vehicles SPS	12/31/2023	$ 365,297	$ 128,614
29	Electric Intangible	Remington	Enhance Capabilities	D.0001804.358	CIP Substation Ph2 SW SPS -10659	5/31/2023	57,941	20,400
30	Electric Intangible	Remington	Cyber Security	D.0001807.004	IT Security Blanket SW SPS	Routine	3,108,557	1,094,464
31	Electric Intangible	Remington	Enhance Capabilities	D.0001895.030	ITC-SAP ADR to CAP SW 200074 SPS	Routine	231,565	81,530
32	Electric Intangible	Remington	Cyber Security	D.0001896.011	ITC-FireEye IDS-IPS SW 200148 SPS	11/3/2023	82,103	28,907
33	Electric Intangible	Remington	AGIS	D.0001901.068	AMI-Meter-Data-Lake-BS-SW-SPS	10/31/2023	973,324	342,689
34	Electric Intangible	Remington	AGIS	D.0001901.074	AMI-SW-License-BS-SPS-NEW	Routine	526,485	185,365
35	Electric Intangible	Remington	AGIS	D.0001901.082	AMI-KX-BS-SW-SPS	10/31/2023	110,474	38,896
36	Electric Intangible	Remington	Aging Technology	D.0001922.006	ITC-Work Mgr Replacement SW 200074	12/31/2023	1,517,876	534,416
37	Electric Intangible	Remington	Aging Technology	D.0001923.004	ITC-Budget Sys Replacement SW 20007	3/30/2024	1,995,529	702,588
38	Electric Intangible	Remington	Customer	D.0001924.020	ITC-Energy Utility Cloud SW 200149	9/30/2023	3,300,051	1,161,886

Southwestern Public Service Company

Capital Additions Expected to be Closed to Plant-in-Service for the Future Test Year Period of July 1, 2023 through June 30, 2024

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Line No.	**Asset Class**	**Witness**	**Project Category**	**WBS Level 2**	**Project Description (WBS Level 2 Description)**	**In-Service Date**	**Additions to Plant-in-Service Future Test Year Total Company**	**Additions to Plant-in-Service Future Test Year NM Retail**
39	Electric Intangible	Remington	Aging Technology	D.0001925.006	ITC-Energy Forecasting SW 200184 SP	12/29/2023	282,509	99,466
40	Electric Intangible	Remington	Aging Technology	D.0001926.006	ITC-ESB Modernization SW 200165 SPS	12/31/2023	1,169,595	411,792
41	Electric Intangible	Remington	Aging Technology	D.0001929.006	ITC-Click Replacement SW 200074 SPS	10/31/2023	996,393	350,811
42	Electric Intangible	Remington	Enhance Capabilities	D.0001934.004	ITC-Host Capacity Analysis SW 20011	3/31/2024	921,497	324,442
43	Electric Intangible	Remington	Aging Technology	D.0001935.006	ITC-Fleet Mgmt SW Upgrade 200074 SP	9/30/2023	72,065	25,373
44	Electric Intangible	Remington	Aging Technology	D.0001936.006	ITC-Corporate Expense Mgmt SW 20016	9/28/2023	63,561	22,379
45	Electric Intangible	Remington	Enhance Capabilities	D.0001937.006	ITC-Mod Perf Improvement SW 200097	12/31/2023	118,241	41,630
46	Electric Intangible	Remington	Aging Technology	D.0001939.006	ITC-SharePoint on-premises SW 20009	8/1/2023	24,404	8,592
47	Electric Intangible	Remington	Aging Technology	D.0001941.006	ITC-Content Manager Upgrad SW 20009	9/28/2023	32,407	11,410
48	Electric Intangible	Remington	Enhance Capabilities	D.0001942.006	ITC-Mobile Platform Enh SW 200165 S	12/31/2023	284,422	100,140
49	Electric Intangible	Remington	Aging Technology	D.0001943.006	ITC-BlueBeam Upgrade SW 200074 SPS	7/31/2023	63,118	22,223
50	Electric Intangible	Remington	Aging Technology	D.0001945.006	ITC-FCS Upgrade 3 SW 200170 SPS	12/15/2023	12,426	4,375
51	Electric Intangible	Remington	Cyber Security	D.0001947.004	ITC-Network Voice Enhance SW 200148	3/22/2024	192,665	67,834
52	Electric Intangible	Remington	Enhance Capabilities	D.0001964.006	ITC-Network Security Enhan SW 20017	6/30/2024	212,845	74,939
53	Electric Intangible	Remington	Aging Technology	D.0001965.006	ITC-Sidecar BO Reporting SW 200074	12/31/2023	275,297	96,927
54	Electric Intangible	Remington	Enhance Capabilities	D.0001968.006	ITC- Network Transport SW 200148 SP	3/22/2024	203,195	71,541
55	Electric Intangible	Remington	Enhance Capabilities	D.0001969.006	ITC-eSignature DocuSign SW 200148 S	3/31/2024	85,654	30,157
56	Electric Intangible	Remington	Enhance Capabilities	D.0001979.006	ITC-Legal eDiscovery SW 200071 SPS	5/28/2024	60,064	21,147
57	Electric Intangible	Remington	Enhance Capabilities	D.0001980.006	ITC-IT Monitoring Refresh SW 200184	12/29/2023	662,083	233,107
58	Electric Intangible	Remington	Aging Technology	D.0001987.006	ITC-Gas Transaction System SW 20012	6/1/2024	334,529	117,781
59	Electric Intangible	Remington	Aging Technology	D.0002020.018	BUD-SAP Continous Improve SW SPS	Routine	601,607	211,814
60	Electric Intangible	Remington	Aging Technology	D.0002025.004	TAMS Replacement SW SPS	5/31/2024	1,195,768	421,007
61	Electric Intangible	Remington	Aging Technology	D.0002044.004	Enterprise Metadata Manager SW SPS	11/30/2023	360,745	127,011
62	Electric Intangible	Remington	Savings Target	D.0002061.004	IT-Blanket-Service Delivery SW SPS	Routine	(1,190,900)	(419,294)
63	Electric Intangible	Remington	Aging Technology	D.0002082.004	Video Conf SW SPS	Routine	367,148	129,266
64	Electric Intangible	Remington	Aging Technology	D.0002086.004	2022 Remittance SW SPS	12/1/2023	107,134	37,720
65	Electric Intangible	Remington	Enhance Capabilities	D.0002091.004	Data Analytics SW SPS	Routine	501,751	176,657
66	Electric Intangible	Remington	Aging Technology	D.0002111.011	ITC-SubTran Portal App SW 200123 SP	7/1/2023	966,624	340,330
67	Electric Intangible	Remington	Aging Technology	D.0002125.004	DR Tech SW SPS	Routine	518,470	182,544
68	Electric Intangible	Remington	Enhance Capabilities	D.0002131.004	OSI PI ENV CM SW SPS	12/31/2023	420,619	148,092
69	Electric Intangible	Remington	Aging Technology	D.0002153.004	Technology License SW-SPS	Routine	7,344,000	2,585,684
70	Electric Intangible	Remington	Aging Technology	D.0002161.004	OSI Soft PI Ent Agree SW SPS	8/31/2023	353,789	124,562
71	Electric Intangible	Remington	Aging Technology	D.0002228.005	BUD-ITC Integrated Energy Mgmt SW S	12/31/2023	1,610,614	567,067
72	Electric Intangible	Remington	Enhance Capabilities	D.0002298.013	ITC-EDDM Platform SW 200184 SPS	12/30/2023	1,154,542	406,492
73	Electric Intangible	Remington	Enhance Capabilities	D.0002398.008	ITC-EDX Signal Microwave SW 200184	12/29/2023	306,095	107,770
74	Electric Intangible	Remington	Cyber Security	D.0002418.004	ITC-SIEM-SOAR SW 200148 SPS	7/28/2023	80,357	28,292
75	Electric Intangible	Remington	Enhance Capabilities	D.0002427.019	ITC-ES APM Phase 2 Wave 3 SW 200137	12/15/2023	716,698	252,336
76	Electric Intangible	Remington	Enhance Capabilities	D.0002430.012	ITC-RTSE Release2 SW 200119 SPS	12/31/2023	595,291	209,591
77	Electric Intangible	Remington	Aging Technology	D.0002450.006	ITC-Multi-Stat Cust Refun SW 200171	12/31/2023	139,638	49,164
78	Electric Intangible	Remington	Aging Technology	D.0002451.006	ITC-Worktool Consolidation SW 20017	12/31/2023	154,828	54,512

Southwestern Public Service Company

Capital Additions Expected to be Closed to Plant-in-Service for the Future Test Year Period of July 1, 2023 through June 30, 2024

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Line No.	**Asset Class**	**Witness**	**Project Category**	**WBS Level 2**	**Project Description (WBS Level 2 Description)**	**In-Service Date**	**Additions to Plant-in-Service Future Test Year Total Company**	**Additions to Plant-in-Service Future Test Year NM Retail**
79	Electric Intangible	Remington	Aging Technology	D.0002452.004	ITC-Loss Prevent. Tracking SW 20009	11/15/2023	159,915	56,303
80	Electric Intangible	Remington	Enhance Capabilities	D.0002455.006	ITC-Outage Report w/o CRS SW 200119	5/1/2024	44,775	15,764
81	Electric Intangible	Remington	Aging Technology	D.0002459.004	ITC-SharePoint Arch Align SW 200148	9/1/2023	32,491	11,439
82	Electric Intangible	Remington	Enhance Capabilities	D.0002460.006	ITC-Enterprise Lat Long Ma SW 20017	4/30/2024	65,184	22,950
83	Electric Intangible	Remington	Enhance Capabilities	D.0002464.006	ITC-SC Spend Analytics SW 200094 SP	Routine	1,308,475	460,689
84	Electric Intangible	Remington	Enhance Capabilities	D.0002468.006	ITC-Trans Frontline En. SW 200122 S	Routine	2,480,529	873,348
85	Electric Intangible	Remington	Aging Technology	D.0002473.004	ITC-Exemption Certificate SW 200171	11/15/2023	127,559	44,911
86	Electric Intangible	Remington	Cyber Security	D.0002486.004	ITC-Srvc Acct Remediation SW 200148	Routine	406,426	143,095
87	Electric Intangible	Remington	Aging Technology	D.0002496.006	ITC-Kafka Expansion SW 200148 SPS	3/20/2024	473,374	166,666
88	Electric Intangible	Remington	Aging Technology	D.0002510.004	ITC-Avaya License SW 200172 SPS	12/31/2023	0	0
89	**Electric Intangible Total**						**$ 39,739,716**	**$ 13,991,604**
90	**Grand Total**						**$ 65,588,983**	**$ 23,092,643**

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Capital Additions Expected to be Closed to Plant-in-Service for the Future Test Year Period of July 1, 2023 through June 30, 2024
Plant Additions by Project and Elements of Cost, Rule Reference 17.1.3.16

Line No.	Asset Class	Witness	WBS Level 2	Project Description (WBS Level 2 Description)	Future Test Year Total	Future Test Year Labor	Future Test Year Contract Work	Future Test Year Supplies and Materials	Future Test Year Other
1	Electric General	Remington	D.0002014.014	ITC - WAN Routine HW SPS	**$ 4,157,011**	$ 361,721	$ 1,509,248	$ 1,409,121	$ 876,921
2	Electric General	Remington	D.0002357.001	ITC-Amarillo Tower Vacate NP SPS	**2,281,168**	198,495	828,203	773,258	481,212
3	Electric General	Remington	D.0002485.004	ITC-LFCM Network Services NP SPS	**2,256,320**	196,333	819,182	764,835	475,970
4	Electric General	Remington	D.0002354.004	ITC-PC Refreshes-Routine HW-SPS	**2,138,088**	186,045	776,256	724,757	451,029
5	Electric General	Remington	D.0002416.004	ITC-Verint Camera Server NP SPS	**2,108,052**	183,431	765,351	714,576	444,693
6	Electric General	Remington	D.0002482.008	ITC-LFCM End User NP Routine HW SPS	**1,837,191**	159,863	667,012	622,761	387,555
7	Electric General	Remington	D.0002356.004	ITC - IT INFS Network Refresh HW SP	**1,592,500**	138,571	578,175	539,817	335,938
8	Electric General	Remington	D.0002489.008	ITC-LFCM Infra Svcs NP Rout HW SPS	**1,477,401**	128,556	536,387	500,801	311,658
9	Electric General	Remington	D.0001952.004	ITC-Network Monitoring NP SPS	**1,300,009**	113,120	471,982	440,670	274,237
10	Electric General	Remington	D.0001981.004	ITC-SASE Enhancement NP SPS	**1,250,000**	108,768	453,826	423,718	263,687
11	Electric General	Remington	D.0001983.004	ITC-Zero Trust NW NP SPS	**875,000**	76,138	317,678	296,603	184,581
12	Electric General	Remington	D.0002488.008	ITC-LFCM OT Modernization NP Rout H	**666,157**	57,965	241,855	225,810	140,526
13	Electric General	Remington	D.0002106.004	Purch VOIP Refresh HW SPS	**592,516**	51,558	215,119	200,848	124,991
14	Electric General	Remington	D.0002384.006	ITC-Analog Security Camera Routine	**501,753**	43,660	182,167	170,082	105,845
15	Electric General	Remington	D.0002355.004	ITC-Printer Refreshes-Routine HW-SP	**496,000**	43,159	180,078	168,131	104,631
16	Electric General	Remington	D.0002495.004	ITC-SIP Trunk Conversion NP SPS	**389,252**	33,871	141,322	131,946	82,113
17	Electric General	Remington	D.0001948.004	ITC-Route and Switch Enhancements N	**350,000**	30,455	127,071	118,641	73,832
18	Electric General	Remington	D.0002038.012	ITC-Purch DEMS HW SPS	**343,662**	29,904	124,770	116,493	72,495
19	Electric General	Remington	D.0002059.004	BUD-IT Blanket-Net Strategy HW SPS	**342,680**	29,818	124,414	116,160	72,288
20	Electric General	Remington	D.0002021.029	ITC-Purch FITI Buchanan HW NP SPS	**291,700**	25,382	105,905	98,879	61,534
21	Electric General	Remington	D.0002038.007	DEMS Ph4 HW SPS-10756	**272,361**	23,699	98,884	92,324	57,455
22	Electric General	Remington	D.0001966.004	ITC-Operator Rounds Replacement HW	**143,533**	12,489	52,111	48,654	30,278
23	Electric General	Remington	D.0002021.026	ITC-BUD-Facility IT Invest HW NP SP	**73,429**	6,389	26,659	24,891	15,490
24	Electric General	Remington	D.0001921.004	ITC-Transmission Control Center SPS	**70,953**	6,174	25,760	24,051	14,968
25	Electric General	Remington	D.0001944.004	ITC-Handheld Mobile Refresh Routi H	**34,994**	3,045	12,705	11,862	7,382
26	Electric General	Remington	D.0001896.004	ITC-FireEye IDS-IPS NP SPS	**7,537**	656	2,736	2,555	1,590
27	Electric Intangible	Remington	D.0002493.004	CXT-Electric Vehicles SPS	**365,297**	21,964	142,476	299	200,558
28	Electric Intangible	Remington	D.0002153.004	Technology License SW-SPS	**7,344,000**	441,571	2,864,358	6,012	4,032,059
29	Electric Intangible	Remington	D.0001924.020	ITC-Energy Utility Cloud SW 200149	**3,300,051**	198,421	1,287,109	2,701	1,811,819
30	Electric Intangible	Remington	D.0001807.004	IT Security Blanket SW SPS	**3,108,557**	186,908	1,212,421	2,545	1,706,684
31	Electric Intangible	Remington	D.0002468.006	ITC-Trans Frontline En. SW 200122 S	**2,480,529**	149,146	967,473	2,031	1,361,879
32	Electric Intangible	Remington	D.0001923.004	ITC-Budget Sys Replacement SW 20007	**1,995,529**	119,985	778,310	1,634	1,095,601
33	Electric Intangible	Remington	D.0002228.005	BUD-ITC Integrated Energy Mgmt SW S	**1,610,614**	96,841	628,183	1,318	884,272
34	Electric Intangible	Remington	D.0001922.006	ITC-Work Mgr Replacement SW 200074	**1,517,876**	91,265	592,013	1,243	833,356
35	Electric Intangible	Remington	D.0002464.006	ITC-SC Spend Analytics SW 200094 SP	**1,308,475**	78,674	510,340	1,071	718,389
36	Electric Intangible	Remington	D.0002025.004	TAMS Replacement SW SPS	**1,195,768**	71,898	466,382	979	656,510
37	Electric Intangible	Remington	D.0001926.006	ITC-ESB Modernization SW 200165 SPS	**1,169,595**	70,324	456,174	957	642,140
38	Electric Intangible	Remington	D.0002298.013	ITC-EDDM Platform SW 200184 SPS	**1,154,542**	69,419	450,302	945	633,875
39	Electric Intangible	Remington	D.0001929.006	ITC-Click Replacement SW 200074 SPS	**996,393**	59,910	388,620	816	547,047

Southwestern Public Service Company

Capital Additions Expected to be Closed to Plant-in-Service for the Future Test Year Period of July 1, 2023 through June 30, 2024
Plant Additions by Project and Elements of Cost, Rule Reference 17.1.3.16

Line No.	Asset Class	Witness	WBS Level 2	Project Description (WBS Level 2 Description)	Future Test Year Total	Future Test Year Labor	Future Test Year Contract Work	Future Test Year Supplies and Materials	Future Test Year Other
40	Electric Intangible	Remington	D.0001901.068	AMI-Meter-Data-Lake-BS-SW-SPS	**973,324**	58,523	379,622	797	534,382
41	Electric Intangible	Remington	D.0002111.011	ITC-SubTran Portal App SW 200123 SP	**966,624**	58,120	377,010	791	530,703
42	Electric Intangible	Remington	D.0001934.004	ITC-Host Capacity Analysis SW 20011	**921,497**	55,407	359,409	754	505,927
43	Electric Intangible	Remington	D.0002427.019	ITC-ES APM Phase 2 Wave 3 SW 200137	**716,698**	43,093	279,532	587	393,487
44	Electric Intangible	Remington	D.0001980.006	ITC-IT Monitoring Refresh SW 200184	**662,083**	39,809	258,230	542	363,502
45	Electric Intangible	Remington	D.0002020.018	BUD-SAP Continous Improve SW SPS	**601,607**	36,173	234,643	492	330,299
46	Electric Intangible	Remington	D.0002430.012	ITC-RTSE Release2 SW 200119 SPS	**595,291**	35,793	232,179	487	326,831
47	Electric Intangible	Remington	D.0001901.074	AMI-SW-License-BS-SPS-NEW	**526,485**	31,656	205,343	431	289,055
48	Electric Intangible	Remington	D.0002125.004	DR Tech SW SPS	**518,470**	31,174	202,217	424	284,654
49	Electric Intangible	Remington	D.0002091.004	Data Analytics SW SPS	**501,751**	30,169	195,696	411	275,475
50	Electric Intangible	Remington	D.0002496.006	ITC-Kafka Expansion SW 200148 SPS	**473,374**	28,462	184,629	387	259,895
51	Electric Intangible	Remington	D.0002131.004	OSI PI ENV CM SW SPS	**420,619**	25,290	164,053	344	230,932
52	Electric Intangible	Remington	D.0002486.004	ITC-Srvc Acct Remediation SW 200148	**406,426**	24,437	158,517	333	223,139
53	Electric Intangible	Remington	D.0002082.004	Video Conf SW SPS	**367,148**	22,075	143,198	301	201,575
54	Electric Intangible	Remington	D.0002044.004	Enterprise Metadata Manager SW SPS	**360,745**	21,690	140,700	295	198,059
55	Electric Intangible	Remington	D.0002161.004	OSI Soft PI Ent Agree SW SPS	**353,789**	21,272	137,987	290	194,240
56	Electric Intangible	Remington	D.0001987.006	ITC-Gas Transaction System SW 20012	**334,529**	20,114	130,475	274	183,666
57	Electric Intangible	Remington	D.0002398.008	ITC-EDX Signal Microwave SW 200184	**306,095**	18,404	119,385	251	168,054
58	Electric Intangible	Remington	D.0001942.006	ITC-Mobile Platform Enh SW 200165 S	**284,422**	17,101	110,932	233	156,155
59	Electric Intangible	Remington	D.0001925.006	ITC-Energy Forecasting SW 200184 SP	**282,509**	16,986	110,186	231	155,105
60	Electric Intangible	Remington	D.0001965.006	ITC-Sidecar BO Reporting SW 200074	**275,297**	16,553	107,373	225	151,146
61	Electric Intangible	Remington	D.0001895.030	ITC-SAP ADR to CAP SW 200074 SPS	**231,565**	13,923	90,316	190	127,135
62	Electric Intangible	Remington	D.0001964.006	ITC-Network Security Enhan SW 20017	**212,845**	12,798	83,015	174	116,858
63	Electric Intangible	Remington	D.0001968.006	ITC- Network Transport SW 200148 SP	**203,195**	12,217	79,252	166	111,560
64	Electric Intangible	Remington	D.0001947.004	ITC-Network Voice Enhance SW 200148	**192,665**	11,584	75,145	158	105,779
65	Electric Intangible	Remington	D.0002452.004	ITC-Loss Prevent. Tracking SW 20009	**159,915**	9,615	62,371	131	87,798
66	Electric Intangible	Remington	D.0002451.006	ITC-Worktool Consolidation SW 20017	**154,828**	9,309	60,387	127	85,005
67	Electric Intangible	Remington	D.0002450.006	ITC-Multi-Stat Cust Refun SW 200171	**139,638**	8,396	54,463	114	76,665
68	Electric Intangible	Remington	D.0002473.004	ITC-Exemption Certificate SW 200171	**127,559**	7,670	49,751	104	70,033
69	Electric Intangible	Remington	D.0001937.006	ITC-Mod Perf Improvement SW 200097	**118,241**	7,109	46,117	97	64,918
70	Electric Intangible	Remington	D.0001901.082	AMI-KX-BS-SW-SPS	**110,474**	6,642	43,088	90	60,653
71	Electric Intangible	Remington	D.0002086.004	2022 Remittance SW SPS	**107,134**	6,442	41,785	88	58,819
72	Electric Intangible	Remington	D.0001969.006	ITC-eSignature DocuSign SW 200148 S	**85,654**	5,150	33,407	70	47,026
73	Electric Intangible	Remington	D.0001896.011	ITC-FireEye IDS-IPS SW 200148 SPS	**82,103**	4,937	32,022	67	45,077
74	Electric Intangible	Remington	D.0002418.004	ITC-SIEM-SOAR SW 200148 SPS	**80,357**	4,832	31,341	66	44,118
75	Electric Intangible	Remington	D.0001935.006	ITC-Fleet Mgmt SW Upgrade 200074 SP	**72,065**	4,333	28,107	59	39,566
76	Electric Intangible	Remington	D.0002460.006	ITC-Enterprise Lat Long Ma SW 20017	**65,184**	3,919	25,423	53	35,788
77	Electric Intangible	Remington	D.0001936.006	ITC-Corporate Expense Mgmt SW 20016	**63,561**	3,822	24,791	52	34,897
78	Electric Intangible	Remington	D.0001943.006	ITC-BlueBeam Upgrade SW 200074 SPS	**63,118**	3,795	24,618	52	34,653

Southwestern Public Service Company

Capital Additions Expected to be Closed to Plant-in-Service for the Future Test Year Period of July 1, 2023 through June 30, 2024
Plant Additions by Project and Elements of Cost, Rule Reference 17.1.3.16

Line No.	Asset Class	Witness	WBS Level 2	Project Description (WBS Level 2 Description)	Future Test Year Total	Future Test Year Labor	Future Test Year Contract Work	Future Test Year Supplies and Materials	Future Test Year Other
79	Electric Intangible	Remington	D.0001979.006	ITC-Legal eDiscovery SW 200071 SPS	**60,064**	3,611	23,426	49	32,977
80	Electric Intangible	Remington	D.0001804.358	CIP Substation Ph2 SW SPS -10659	**57,941**	3,484	22,598	47	31,811
81	Electric Intangible	Remington	D.0002455.006	ITC-Outage Report w/o CRS SW 200119	**44,775**	2,692	17,463	37	24,583
82	Electric Intangible	Remington	D.0002459.004	ITC-SharePoint Arch Align SW 200148	**32,491**	1,954	12,672	27	17,838
83	Electric Intangible	Remington	D.0001941.006	ITC-Content Manager Upgrad SW 20009	**32,407**	1,949	12,639	27	17,792
84	Electric Intangible	Remington	D.0001939.006	ITC-SharePoint on-premises SW 20009	**24,404**	1,467	9,518	20	13,398
85	Electric Intangible	Remington	D.0001945.006	ITC-FCS Upgrade 3 SW 200170 SPS	**12,426**	747	4,846	10	6,822
86	Electric Intangible	Remington	D.0002510.004	ITC-Avaya License SW 200172 SPS	**0**	0	0	0	0
87	Electric Intangible	Remington	D.0002061.004	IT-Blanket-Service Delivery SW SPS	**(1,190,900)**	(71,605)	(464,483)	(975)	(653,837)
88	**Grand Total**				**$ 65,588,983**	**$ 4,638,687**	**$ 24,884,421**	**$ 8,794,774**	**$ 27,271,102**

Southwestern Public Service Company

Comparison of Capital Additions Closed to Plant-in-Service in the Base Period with the Capital Additions Planned to be Closed to Plant-in-Service in the Future Test Year Period
Rule References
17.1.3.7(J), 17.1.3.17 A, 17.1.3.18 B, 17.1.3.18 D, 17.1.3.16 B

Line No.	Witness/ Business Area/ Cost Center	Asset Class	FERC Account	Account Description	Base Period Plant Additions July 1, 2021 - June 30, 2022	Base Period Adjustments	Adjusted Base Period Plant Additions	Linkage Period Plant Additions July 1, 2022 - June 30, 2023	Year Period Plant Additions July 1, 2023 - June 30, 2024
1	Remington - Technology Services	Electric General	390	Structures and Improvements	$ (10)		$ (10)	$ 6,044	
2			391	Office Furniture and Equipment	17,906,506		17,906,506	19,749,803	25,162,290
3			397	Communication Equipment	14,071,749		14,071,749	16,362,374	686,977
4		**Electric General Total**			**$ 31,978,244**		**$ 31,978,244**	**$ 36,118,220**	**$ 25,849,267**
5		Electric Intangible	105	Electric Plant Held for Future Use			-		1,083,798
6			303	Miscellaneous Intangible Plant	32,242,368		32,242,368	38,786,051	38,655,919
7		**Electric Intangible Total**			**$ 32,242,368**		**$ 32,242,368**	**$ 38,786,051**	**$ 39,739,716**
8	**Total Remington - Technology Services**				**$ 64,220,612**		**$ 64,220,612**	**$ 74,904,271**	**$ 65,588,983**

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Line No.	Linkage Period v. Adjusted Base Period ($)	Linkage Period v. Adjusted Base Period (%)	Material Variance? (by Cost Center)	Future Test Year v. Base Period ($)	Future Test Year v. Adjusted Base Period ($)	Future Test Year v. Adjusted Base Period (%)	Material Variance? (by Cost Center)	Reference
1								
2								
3								
4								
5								
6								
7								
8	**$ 10,683,659**	**17%**	**YES**	**$ 1,368,371**	**$ 1,368,371**	**2%**		**Major capital additions discussed in the direct testimony of Michael O. Remington.**

Southwestern Public Service Company

Technology Services O&M Expenses by Business Area, FERC Account, and Cost Element
General O&M Labor

Line No.	Witness	Business Area	FERC Account	Account Description	Cost Element	Total Company Base Period July 1, 2021 - June 30, 2022
1	Remington	Technology Services	506000	Miscellaneous steam power expenses	INCENTIVE	220
2					LABOR	4,645
3			**506000 Total**			**4,865**
4			549000	Miscellaneous other power generation expenses	INCENTIVE	15
5					LABOR	134
6			**549000 Total**			**149**
7			556000	System control and load dispatching	INCENTIVE	806
8					LABOR	6,674
9			**556000 Total**			**7,480**
10			560000	Operation supervision and engineering	INCENTIVE	64,326
11					LABOR	602,626
12			**560000 Total**			**666,952**
13			561200	Load dispatch-Monitor and operate transmiss system	INCENTIVE	19,939
14					LABOR	163,709
15			**561200 Total**			**183,648**
16			581000	Load dispatching	INCENTIVE	11,017
17					LABOR	93,877
18			**581000 Total**			**104,894**
19			588000	Miscellaneous distribution expenses	INCENTIVE	31,309
20					LABOR	283,400
21			**588000 Total**			**314,708**
22			902000	Meter reading expenses	INCENTIVE	11,240
23					LABOR	96,406
24			**902000 Total**			**107,646**
25			903000	Customer records and collection expenses	INCENTIVE	14,897
26					LABOR	132,594
27			**903000 Total**			**147,491**
28			920000	Administrative and general salaries	INCENTIVE	534,643
29					LABOR	5,096,836
30			**920000 Total**			**5,631,479**
31			921000	Office supplies and expenses	INCENTIVE	67
32			**921000 Total**			**67**
33		**Technology Services Total**				**7,169,380**
34	**Remington Total**					**7,169,380**

Southwestern Public Service Company

Technology Services O&M Expenses by Business Area, FERC Account, and Cost Element
General O&M Non-Labor

Line No.	Witness	Business Area	FERC Account	Account Description	Cost Element	Total Company: Base Period July 1, 2021 - June 30, 2022	Base Period Adjustments	Adjusted Base Period	Linkage Period Adjustments	Linkage Period July 1, 2022 - June 30, 2023	Future Test Year Period Adjustments	Future Test Year Period July 1, 2023 - June 30, 2024
1	Remington	Technology Services	506000	Miscellaneous steam power expenses	CONSULTING	11,483						
2					CONTR_LABR	120						
3					EMPLOY_EXP	133						
4					MATERIALS	0						
5					MISC_OTHER	631,972						
6					OVERHEAD	4,830						
7			**506000 Total**			**648,537**		**648,537**		**648,537**		**648,537**
8			549000	Miscellaneous other power generation expenses	CONSULTING	555						
9					CONTR_LABR	8						
10					EMPLOY_EXP	56						
11					MISC_OTHER	26,896						
12					OVERHEAD	330						
13			**549000 Total**			**27,845**		**27,845**		**27,845**		**27,845**
14			556000	System control and load dispatching	CONSULTING	978						
15					CONTR_LABR	100						
16					EMPLOY_EXP	114						
17					MATERIALS	27						
18					MISC_OTHER	30,716						
19					OVERHEAD	166						
20			**556000 Total**			**32,101**	**(281)**	**31,820**		**31,820**		**31,820**
21			560000	Operation supervision and engineering	MISC_OTHER	9,186						
22					OVERHEAD	103						
23			**560000 Total**			**9,289**		**9,289**		**9,289**		**9,289**
24			561200	Load dispatch-Monitor and operate transmiss system	CONSULTING	22,050						
25					CONTR_LABR	15,808						
26					EMPLOY_EXP	2,321						
27					MATERIALS	494						
28					MISC_OTHER	813,000						
29					OVERHEAD	3,474						
30			**561200 Total**			**857,147**	**(19)**	**857,128**		**857,128**		**857,128**
31			561500	Reliability planning and standards development	CONSULTING	45						
32					OVERHEAD	0						
33			**561500 Total**			**45**		**45**		**45**		**45**
34			566000	Miscellaneous transmission expenses	EMPLOY_EXP	4						
35					MATERIALS	683						
36					MISC_OTHER	582,051						
37					OVERHEAD	5,821						
38			**566000 Total**			**588,558**		**588,558**		**588,558**		**588,558**
39			580000	Operation supervision and engineering	MISC_OTHER	0						
40			**580000 Total**			**0**		**0**		**0**		**0**
41			581000	Load dispatching	CONSULTING	26,511						
42					CONTR_LABR	15,761						
43					EMPLOY_EXP	1,892						
44					MATERIALS	223						
45					MISC_OTHER	228,151						
46					OVERHEAD	1,392						
47			**581000 Total**			**273,930**	**(24)**	**273,907**		**273,907**		**273,907**
48			588000	Miscellaneous distribution expenses	CONSULTING	4,525						
49					CONTR_LABR	68,127						
50					EMPLOY_EXP	8,587						
51					MATERIALS	0						

Southwestern Public Service Company

Technology Services O&M Expenses by Business Area, FERC Account, and Cost Element
General O&M Non-Labor

Line No.	Witness	Business Area	FERC Account	Account Description	Cost Element	Linkage Period v. Adjusted Base Period ($)	Linkage Period v. Adjusted Base Period (%)	Material Variance? (by FERC Account)	Future Test Year v. Base Period ($)	Future Test Year v. Adjusted Base Period ($)	Future Test Year v. Adjusted Base Period (%)	Material Variance? (by FERC Account)
1	Remington	Technology Services	506000	Miscellaneous steam power expenses	CONSULTING							
2					CONTR_LABR							
3					EMPLOY_EXP							
4					MATERIALS							
5					MISC_OTHER							
6					OVERHEAD							
7			**506000 Total**			-	0%	FALSE	-	-	0%	FALSE
8			549000	Miscellaneous other power generation expenses	CONSULTING							
9					CONTR_LABR							
10					EMPLOY_EXP							
11					MISC_OTHER							
12					OVERHEAD							
13			**549000 Total**			-	0%	FALSE	-	-	0%	FALSE
14			556000	System control and load dispatching	CONSULTING							
15					CONTR_LABR							
16					EMPLOY_EXP							
17					MATERIALS							
18					MISC_OTHER							
19					OVERHEAD							
20			**556000 Total**			-	0%	FALSE	(281)	-	0%	FALSE
21			560000	Operation supervision and engineering	MISC_OTHER							
22					OVERHEAD							
23			**560000 Total**			-	0%	FALSE	-	-	0%	FALSE
24			561200	Load dispatch-Monitor and operate transmiss system	CONSULTING							
25					CONTR_LABR							
26					EMPLOY_EXP							
27					MATERIALS							
28					MISC_OTHER							
29					OVERHEAD							
30			**561200 Total**			-	0%	FALSE	(19)	-	0%	FALSE
31			561500	Reliability planning and standards development	CONSULTING							
32					OVERHEAD							
33			**561500 Total**			-	0%	FALSE	-	-	0%	FALSE
34			566000	Miscellaneous transmission expenses	EMPLOY_EXP							
35					MATERIALS							
36					MISC_OTHER							
37					OVERHEAD							
38			**566000 Total**			-	0%	FALSE	-	-	0%	FALSE
39			580000	Operation supervision and engineering	MISC_OTHER							
40			**580000 Total**			-	0%	FALSE	-	-	0%	FALSE
41			581000	Load dispatching	CONSULTING							
42					CONTR_LABR							
43					EMPLOY_EXP							
44					MATERIALS							
45					MISC_OTHER							
46					OVERHEAD							
47			**581000 Total**			-	0%	FALSE	(24)	-	0%	FALSE
48			588000	Miscellaneous distribution expenses	CONSULTING							
49					CONTR_LABR							
50					EMPLOY_EXP							
51					MATERIALS							

Southwestern Public Service Company

Technology Services O&M Expenses by Business Area, FERC Account, and Cost Element
General O&M Non-Labor

Line No.	Witness	Business Area	FERC Account	Account Description	Cost Element	Total Company: Base Period July 1, 2021 - June 30, 2022	Base Period Adjustments	Adjusted Base Period	Linkage Period Adjustments	Linkage Period July 1, 2022 - June 30, 2023	Future Test Year Period Adjustments	Future Test Year Period July 1, 2023 - June 30, 2024
52					MISC_OTHER	465,188						
53					OVERHEAD	3,225						
54			**588000 Total**			**549,652**		**549,652**	**478,858**	**1,028,511**		**1,028,511**
55			902000	Meter reading expenses	CONSULTING	63,556						
56					CONTR_LABR	11,074						
57					EMPLOY_EXP	544						
58					MATERIALS	0						
59					MISC_OTHER	406,980						
60					OVERHEAD	2,262						
61			**902000 Total**			**484,416**		**484,416**		**484,416**		**484,416**
62			903000	Customer records and collection expenses	CONSULTING	19,527						
63					CONTR_LABR	61						
64					EMPLOY_EXP	1,006						
65					MATERIALS	0						
66					MISC_OTHER	1,211,593						
67					OVERHEAD	2,288						
68			**903000 Total**			**1,234,475**		**1,234,475**		**1,234,475**		**1,234,475**
69			909000	Informational and instruction advertising expense	MISC_OTHER	25,662						
70			**909000 Total**			**25,662**		**25,662**		**25,662**		**25,662**
71			912000	Demonstrating and selling expenses	CONTR_VEND	10,457						
72					MISC_OTHER	43,620						
73					OVERHEAD	105						
74			**912000 Total**			**54,182**		**54,182**		**54,182**		**54,182**
75			921000	Office supplies and expenses	EMPLOY_EXP	138,100						
76					MATERIALS	91,205						
77					MISC_OTHER	18,754,051						
78					OVERHEAD	96,812						
79					TRANSPORT	150,106						
80			**921000 Total**			**19,230,274**	**(15,401)**	**19,214,872**	**2,806,873**	**22,021,746**	**144,521**	**22,166,266**
81			922000	Administrative expenses transferred-Credit	MISC_OTHER	(19,703,340)						
82			**922000 Total**			**(19,703,340)**		**(19,703,340)**		**(19,703,340)**		**(19,703,340)**
83			923000	Outside services employed	CONSULTING	1,485,052						
84					CONTR_LABR	609,252						
85					CONTR_VEND	50,714						
86			**923000 Total**			**2,145,019**	**(239)**	**2,144,780**		**2,144,780**		**2,144,780**
87			930100	General advertising expenses	MISC_OTHER	337						
88			**930100 Total**			**337**	**(337)**	**-**		**-**		**-**
89			930200	Miscellaneous general expenses	MISC_OTHER	11,863						
90			**930200 Total**			**11,863**		**11,863**		**11,863**		**11,863**
91			931000	Rents	MISC_OTHER	14,289,993						
92			**931000 Total**			**14,289,993**		**14,289,993**		**14,289,993**		**14,289,993**
93			935000	Maintenance of general plant	MISC_OTHER	839						
94			**935000 Total**			**839**		**839**		**839**		**839**
95		**Technology Services Total**				**20,760,823**	**(16,301)**	**20,744,522**	**3,285,732**	**24,030,253**	**144,521**	**24,174,774**
96	**Remington Total**					**20,760,823**	**(16,301)**	**20,744,522**	**3,285,732**	**24,030,253**	**144,521**	**24,174,774**

Southwestern Public Service Company

Technology Services O&M Expenses by Business Area, FERC Account, and Cost Element
General O&M Non-Labor

Line No.	Witness	Business Area	FERC Account	Account Description	Cost Element	Linkage Period v. Adjusted Base Period ($)	Linkage Period v. Adjusted Base Period (%)	Material Variance? (by FERC Account)	Future Test Year v. Base Period ($)	Future Test Year v. Adjusted Base Period ($)	Future Test Year v. Adjusted Base Period (%)	Material Variance? (by FERC Account)
52					MISC_OTHER							
53					OVERHEAD							
54			**588000 Total**			478,858	87%	TRUE	478,858	478,858	87%	TRUE
55			902000	Meter reading expenses	CONSULTING							
56					CONTR_LABR							
57					EMPLOY_EXP							
58					MATERIALS							
59					MISC_OTHER							
60					OVERHEAD							
61			**902000 Total**			-	0%	FALSE	-	-	0%	FALSE
62			903000	Customer records and collection expenses	CONSULTING							
63					CONTR_LABR							
64					EMPLOY_EXP							
65					MATERIALS							
66					MISC_OTHER							
67					OVERHEAD							
68			**903000 Total**			-	0%	FALSE	-	-	0%	FALSE
69			909000	Informational and instruction advertising expense	MISC_OTHER							
70			**909000 Total**			-	0%	FALSE	-	-	0%	FALSE
71			912000	Demonstrating and selling expenses	CONTR_VEND							
72					MISC_OTHER							
73					OVERHEAD							
74			**912000 Total**			-	0%	FALSE	-	-	0%	FALSE
75			921000	Office supplies and expenses	EMPLOY_EXP							
76					MATERIALS							
77					MISC_OTHER							
78					OVERHEAD							
79					TRANSPORT							
80			**921000 Total**			2,806,873	15%	TRUE	2,935,993	2,951,394	15%	TRUE
81			922000	Administrative expenses transferred-Credit	MISC_OTHER							
82			**922000 Total**			-	0%	FALSE	-	-	0%	FALSE
83			923000	Outside services employed	CONSULTING							
84					CONTR_LABR							
85					CONTR_VEND							
86			**923000 Total**			-	0%	FALSE	(239)	-	0%	FALSE
87			930100	General advertising expenses	MISC_OTHER							
88			**930100 Total**			-	0%	FALSE	(337)	-	0%	FALSE
89			930200	Miscellaneous general expenses	MISC_OTHER							
90			**930200 Total**			-	0%	FALSE	-	-	0%	FALSE
91			931000	Rents	MISC_OTHER							
92			**931000 Total**			-	0%	FALSE	-	-	0%	FALSE
93			935000	Maintenance of general plant	MISC_OTHER							
94			**935000 Total**			-	0%	FALSE	-	-	0%	FALSE
95		**Technology Services Total**										
96	**Remington Total**											