

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,)
SOUTHWESTERN PUBLIC SERVICE)
COMPANY,)
APPLICANT.)**

CASE NO. 22-00286-UT

DIRECT TESTIMONY

of

MARK LYTAL

on behalf of

SOUTHWESTERN PUBLIC SERVICE COMPANY

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GLOSSARY OF ACRONYMS AND DEFINED TERMS

<u>Acronym/Defined Term</u>	<u>Meaning</u>
Adjusted Base Period	Base Period that includes fully explained annualizations, normalizations, and adjustments for known and measurable changes and regulatory requirements that occur within the Base Period.
Base Period	July 1, 2021 through June 30, 2022
Commission	New Mexico Public Regulation Commission
Future Test Year Period	July 1, 2023 through June 30, 2024
kV	Kilovolt
Linkage Period	July 1, 2022 through June 30, 2023
NERC	North American Reliability Corporation
O&M	Operation and maintenance
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
RPC	Regional Planning Committee
Southwest Power Pool	Southwest Power Pool, Inc
SPS	Southwestern Public Service Company, a New Mexico corporation
Total Company or total company	Total SPS (before jurisdictional allocation)
WBS	Work Breakdown Structure

<u>Acronym/Defined Term</u>	<u>Meaning</u>
Xcel Energy	Xcel Energy Inc.
XES	Xcel Energy Services Inc.

LIST OF ATTACHMENTS

<u>Attachment</u>	<u>Description</u>
ML-1	Total Company Amounts and Jurisdictional Percentages (Filename: ML-1.xlsx)
ML-2	Energy Supply Capital Additions by Work Order for the Base Period of July 1, 2021, through June 30, 2022 (Filename: ML-2.xlsx)
ML-3	Energy Supply Capital Additions by Work Order for the Linkage Period of July 1, 2022, through June 30, 2023 (Filename: ML-3.xlsx)
ML-4	Energy Supply Capital Additions by Work Order for the Future Test Year Period of July 1, 2023, through June 30, 2024 (Filename: ML-4.xlsx)
ML-5	Comparison of Energy Supply Capital Additions in the Adjusted Base Period, Linkage Period, and Future Test Year Period (Filename: ML-5.xlsx)

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1 **I. WITNESS IDENTIFICATION AND QUALIFICATIONS**

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

3 A. My name is Mark Lytal. My business address is 790 South Buchanan Street,
4 Amarillo, Texas 79101.

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

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

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

10 A. I am employed by Xcel Energy Services Inc. (“XES”), the service company
11 subsidiary of Xcel Energy, as Director, Regional Capital Projects in the Projects
12 Department of Energy Supply, which is the generation operation and maintenance
13 (“O&M”) business unit of Xcel Energy.

14 **Q. Please briefly outline your responsibilities as Director, Regional Capital
15 Projects in the Projects Department of Energy Supply.**

16 A. I am responsible for managing the capital budget process and projects for the SPS
17 region within the Energy Supply business unit. Thus, I am responsible for the
18 regional capital budget, schedules, development, and construction for all of SPS’s

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1 electric generating projects. I directly manage the major projects for SPS and
2 supervise other Managers handling smaller projects. My management duties
3 include promoting safety, selecting technical designs, overseeing engineers and
4 contractors, managing the bidding process, and negotiating major equipment
5 supply agreements. I work with Xcel Energy's Environmental, Regulatory,
6 Engineering and Technical Resources, and Resource Planning departments to assist
7 with scoping and planning of new generation and major generation retrofit projects.

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

9 A. I have a Bachelor of Science in Mechanical Engineering from Texas Tech
10 University and a Masters of Engineering in Engineering Management from the
11 University of Colorado.

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

13 A. I have over 30 years of experience in the utility industry in the design, construction,
14 operation, and maintenance of power generation plants, including; coal,
15 combustion turbine/combined cycle facilities, and wind generation. I have worked
16 with Xcel Energy and SPS in engineering management and production,
17 supervisory, project, and plant engineering positions. I have also served as
18 Director, Technical Resources and Compliance. In that position, I had oversight of

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1 a multi-state, multi-jurisdiction technical team of over fifty engineers, technical
2 specialists, and compliance specialists. In that role, I developed, monitored, and
3 adjusted the policies, procedures, and standards needed to apply comprehensive,
4 effective, and efficient technical knowledge and support of power plant
5 engineering, operations, and maintenance. I have also provided strategic direction
6 and leadership of Energy Supply's internal reliability standard compliance program
7 and its implementation.

8 **Q. Have you attended or taken any special courses or seminars relating to public**
9 **utilities?**

10 A. Yes. Over my career, I have taken numerous courses and seminars related
11 specifically to the construction and operation of power plants. I have given
12 technical presentations on high energy piping, general project management, power
13 plant operations, and maintenance. I have also taken the New Mexico State course
14 on public utility rate development.

15 **Q. Do you hold a professional license?**

16 A. Yes. I am a registered profesional engineer in the State of Texas.

17 **Q. Are you a member of any professional organizations?**

18 A. Yes. I am a member of the American Society of Mechanical Engineers.

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

2 A. Yes. I submitted prefiled direct testimony before the New Mexico Public
3 Regulation Commission (“Commission”) in SPS’s last New Mexico base rate case,
4 Case No. 20-00238-UT. I also submitted prefiled testimony in Case No. 19-00170-
5 UT, and I testified in support of the uncontested comprehensive settlement in that
6 case. In addition, I have submitted prefiled direct testimony in SPS’s most recent
7 base rate cases before the Public Utility Commission of Texas, which were Docket
8 Nos. 51802 and 49831. Finally, I have served as an expert witness during North
9 American Electric Reliability Corporation (“NERC”) standard audit engagements
10 in both engineering and leadership capacities.

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1

Table ML-1 – Production Capital Investment

Period	New Mexico Retail Amount	Total Company Amount
Base Period	\$22,717,558	\$66,649,771
Linkage Period	\$34,177,316	\$88,879,311
Future Test Year Period	\$31,720,077	\$82,757,926

2

These capital costs have been or will be prudently incurred to construct, equip, and repair SPS's generating facilities.

3

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

6 A. Throughout this testimony, I quantify the expense and asset amounts on a New
7 Mexico retail basis based upon the jurisdictional allocation percentages that SPS
8 witness Stephanie N. Niemi uses to develop the New Mexico retail revenue
9 requirement reflected in her Attachment SNN-6. Ms. Niemi is responsible for
10 calculating jurisdictional allocation percentages that apply to the various cost
11 components in the cost of service. I conferred with Ms. Niemi to determine the
12 New Mexico retail jurisdictional amounts presented in my testimony and
13 attachments. If the percentages used to allocate amounts to the New Mexico retail
14 jurisdiction change, those new allocation percentages will need to be applied to the

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1 total company¹ numbers to derive updated New Mexico retail amounts.
2 Attachment ML-1 contains the total company numbers and the jurisdictional
3 percentages used to derive the New Mexico retail amounts in my testimony.

4 **Q. Were Attachments ML-1 through ML-5 prepared by your or under your**
5 **direct supervision and control?**

6 A. Yes, in part. The SPS Regulatory staff helped prepare Attachment ML-1. My staff
7 worked with SPS witness Mark P. Moeller and his staff to compile the information
8 contained in Attachments ML-2 through ML-5. I have reviewed the attachments
9 and believe them to be correct.

¹ The term “total company” refers to total SPS (before jurisdictional allocation).

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1 **III. SELECTION AND MANAGEMENT OF ENERGY**
2 **SUPPLY CAPITAL PROJECTS**

3 **Q. Please describe the Energy Supply business area and the work that Energy**
4 **Supply performs to support SPS's operations.**

5 A. The Energy Supply business area is a multi-regional organization of Xcel Energy.
6 Its primary purposes are the production of electricity and the delivery of that
7 electricity to the transmission systems of the Xcel Energy Operating Companies,
8 including that of SPS.² The Energy Supply group is responsible for the production
9 of the electricity that SPS's transmission and distribution groups deliver to the
10 homes and businesses of New Mexico retail customers.

11 **Q. Does the Energy Supply business area include smaller business units or**
12 **groups?**

13 A. Yes. The Energy Supply business area consists of:

- 14 • an Operations unit that operates and maintains power plants in the Xcel
15 Energy Operating Companies' footprints, including the SPS region;
- 16 • an Environmental Services organization that supports the environmental
17 functions of the power plants;

² Xcel Energy is the parent company of four utility 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.

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- 1 • a Projects unit that provides project and engineering services for capital
2 additions, and project management services for large O&M services;
- 3 • an Engineering and Technical Support unit for O&M issues; and
- 4 • a Business Operations organization that performs asset analysis, budgeting,
5 reporting, and compliance.

6 **Q. What are the primary business drivers affecting Energy Supply's capital**
7 **expenditures?**

8 A. Multiple factors influence the Energy Supply capital requirements. From SPS's
9 perspective, the most significant factors include the age of SPS's units, the
10 proximity of units to their retirement dates, and the increased unit cycling
11 necessitated by the Southwest Power Pool's economic dispatch in the Integrated
12 Marketplace. Certainly, another major driver of capital expenditures for SPS in
13 recent years has been the construction of new energy renewable resources,
14 installation of grid stabilizing technologies on SPS's system, and the conversion of
15 generating technologies at existing power plants.

16 **Q. Does Energy Supply have a process that determines how capital projects are**
17 **evaluated and funded?**

18 A. Yes. The process begins at the plant level. As each new fiscal year approaches,
19 plant managers review their systems to identify and submit projects that they expect

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1 to need over a five-year period.³ As part of that process, the plant managers review
2 operational and other data that allows them to identify and quantify how the
3 proposed project meets specific drivers and criteria. The plant managers specify
4 the identified information on the project document that they submit as part of the
5 project evaluation and budgeting process.

6 **Q. What criteria do the plant managers use to evaluate potential capital projects?**

7 A. The plant managers review and prioritize proposed capital projects using multiple
8 criteria, including financial metrics such as Present Value of Revenue
9 Requirements, which ranks projects in part based on their likelihood to lower the
10 Company's revenue requirement, and thereby customer rates. They also review
11 and evaluate operational factors such as the impacts on unplanned outage rates,
12 equipment condition, environmental compliance laws and regulations, efficiency,
13 reliability, capacity, and safety.

14 **Q. Do the plant managers focus on only near-term projects, or do they focus on**
15 **both near-term and long-term projects?**

16 A. They focus on both. Some projects that they evaluate result from an operational
17 issue require a near-term solution, such as an emergent need caused by a failed

³ In this part of my testimony, I use the phrase "plant managers" as a type of shorthand to encompass both the actual plant management and the other employees who assist plant managers in the evaluation process.

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1 piece of equipment. An example of a near-term project is a failed medium-voltage
2 motor that requires a replacement or rewind. Other projects may require multiple
3 years to engineer and execute, such as the replacement of parts on a combustion
4 turbine after years of operation. New generation projects also take years to plan
5 and construct.

6 **Q. Is there a review process to evaluate the capital expenditure proposals put**
7 **forth by the plant managers?**

8 A. Yes. Plant managers submit their proposed projects to a review committee of
9 engineers and subject matter experts. Based on a review of the need for a particular
10 project and the cost estimate for the project, the committee either approves or denies
11 the request. After a list of proposed projects is approved by that committee, it is
12 passed on to a Regional Planning Committee (“RPC”) that reviews and evaluates
13 the list of projects, the ranking attributes, the timing for the expenditures, the project
14 drivers, the supporting information, and the necessity of the projects.

15 **Q. How does the RPC evaluate and rank the projects submitted by the review**
16 **committee?**

17 A. The RPC assigns numerical points to the various factors considered in the
18 evaluation process, with all of the points being summed to create an overall score

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1 for the project. The RPC then ranks the projects based on those overall scores to
2 create a prioritized list of projects. The list is then evaluated in light of the available
3 budget for the next year, the planned unit outage schedule for the next several years,
4 and other factors such as new environmental regulations. The RPC then adjusts
5 schedules and budgets as required to account for evolving conditions and factors,
6 and it proposes a final list of projects that meets the planned budget targets for the
7 next five years. This process allows SPS to submit a five-year projection of capital
8 expenditures with estimated in-service dates to the corporate capital budget
9 process.

10 **Q. Does the RPC have any other role in the capital planning process?**

11 A. Yes. The RPC meets throughout the year to adjust projects currently under way
12 and to recommend those “emergent projects” that must be undertaken to meet
13 operational or business requirements.⁴

⁴ As I will discuss in more detail later in my testimony, “emergent projects” are unplanned projects that become necessary during the course of a budget period because of an equipment failure or other incident that threatens safety or reliability.

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1 **Q. Now that you have described the Energy Supply planning process generally,**
2 **please explain how the Energy Supply business area develops cost estimates**
3 **for proposed capital additions.**

4 A. The plant manager prepares the initial cost estimates and includes them in the
5 project request submitted to the RPC. The RPC then reviews the proposed project
6 cost, along with the other factors that I discussed earlier in my testimony. If the
7 RPC finds the project acceptable, the project is assigned to the Regional
8 Engineering Manager, who then assigns it to a project manager for detailed
9 engineering and development. During this development stage, enough of the
10 engineering work is undertaken to arrive at a more precise cost estimate, with the
11 engineering being performed by internal engineers or by an external engineering
12 organization, depending on the complexity.

13 **Q. Does Energy Supply have a process to help manage capital costs?**

14 A. Yes. As I explained earlier, a capital project is assigned to a project manager after
15 it has been approved for execution, with that assignment typically occurring three
16 to six months in advance of the first activity required to commence the project.
17 That gives the project manager time to work with the plant engineering and
18 technical services personnel and other subject matter experts to review and more

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1 fully develop the final scope, schedule, and monthly cash flow requirements for the
2 assigned project. As part of that process, the project manager is expected to identify
3 opportunities to control capital costs.

4 **Q. Is it typical for the Energy Supply organization to use competitive bidding to**
5 **manage capital costs?**

6 A. Yes. When feasible, the project manager solicits competitive bids for the project
7 work by using the Xcel Energy Supply Chain organization to firm up cost and
8 schedule data during the engineering and purchasing activities.

9 **Q. Is it possible for the budgeted capital expenditures to change during the**
10 **planning process or after the project is underway?**

11 A. Yes. After a project is funded and begins, the project manager receives weekly or
12 monthly reports that track actual expenditures and compares such expenditures to
13 the capital budget for the project. Each month, significant budget variances are
14 noted and reviewed to determine the cause for the variance and to identify
15 corrective actions that can be taken. If corrective action is necessary and feasible,
16 it is implemented. At times, the variance is simply a timing issue and no corrective
17 action is necessary.

18 In other cases, the budget may need to be amended because the project is
19 more or less costly than originally contemplated. In such situations, a scope or

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1 budget change order is developed that revises the project to align with the current
2 needs. As the Director, Regional Capital Projects, I have reviewed and approved
3 those types of requests from time to time.

4 **Q. Earlier you referred to “emergent projects.” Please explain what those are
5 and how SPS budgets for them.**

6 A. During the course of outage inspections, Energy Supply employees sometimes
7 discover equipment that needs significant repair or replacement to maintain unit
8 reliability. In addition, equipment occasionally fails without warning. To ensure
9 that it has the funding to address those situations, Energy Supply includes an
10 Emergent Fund project for each generating plant when it submits its budget
11 information. During the year following that budget submission, if equipment fails
12 or if an inspection indicates that equipment needs significant repair or replacement,
13 the plant manager submits an emergent project request to secure funding for the
14 repair or replacement.

15 **Q. How are capital project costs captured in the Xcel Energy accounting system?**

16 A. SPS uses what it calls a Work Breakdown Structure (“WBS”), which Mr. Moeller
17 discusses in more detail in his direct testimony. Generally speaking, overall capital

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1 projects are recorded at WBS Level 1, whereas sub-projects within the overall
2 project are recorded at lower WBS Level 2, WBS Level 3, or WBS Level 4.⁵

3 **Q. How are emergent projects recorded in the WBS hierarchy?**

4 A. The actual costs incurring during the course of an emergent project are recorded at
5 WBS Level 4. All of those WBS Level 4 costs are then rolled up to a WBS Level 2
6 Emergent Fund project number in the accounting records to track what the
7 Emergent Fund monies were actually used for.

8 **Q. Is a capital WBS Level 4 order closed as soon as the equipment subject to that
9 order is placed in service?**

10 A. No. Frequently, minor work continues after the equipment is placed in service, and
11 charges can continue for a short period after the in-service date is recognized on a
12 WBS Level 4 order. These charges can include recognition of the final bills from
13 vendors, testing of the equipment, and settlement of any disputes.

⁵ I am not an accountant, nor am I an expert on the Xcel Energy accounting systems. I provide this information only to provide context for my later discussion of WBS levels.

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1 **IV. CAPITAL INVESTMENT OVERVIEW**

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

3 A. In this section of my testimony, I describe the types of information that I will
4 present in later sections of my direct testimony to support the reasonableness and
5 necessity of costs that SPS has incurred or will incur to place Production assets in
6 service during the Base Period,⁶ Linkage Period, and Future Test Year Period.⁷ In
7 Sections V, VI, and VII of my direct testimony, I describe the relevant cost centers
8 and elements of cost for each of the pertinent time periods. I also identify the
9 material variances between Base Period and Future Test Year Period costs, and I
10 describe the cost drivers that are expected to lead to those material variances.

11 **Q. Please explain what you mean when you refer to a “cost center.”**

12 A. The Future Test Period Rule defines the phrase “cost center” to mean the
13 department, division, or organizational grouping of departments or divisions at
14 which operating expense planning and evaluation takes place.⁸

⁶ 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.

⁷ 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.”

⁸ 17.1.3.7(C) NMAC.

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1 **Q. What type of cost center does SPS use for purposes of quantifying the amount**
2 **of capital investment placed in service for the Production function?**

3 A. For the Production function, SPS quantifies the amount of capital investment placed
4 in service using the Energy Supply cost center.

5 **Q. You also stated that you will be identifying “elements of cost” in subsequent**
6 **sections of your testimony. What is an “element of cost”?**

7 A. The Future Test Year Period Rule defines “elements of cost” as being types of cost,
8 such as labor, materials, outside services, contract costs, important clearings, and
9 all other types of costs combined as one category.⁹

10 **Q. Are you supporting the elements of cost for the Energy Supply group?**

11 A. Yes. I am quantifying the elements of cost for the Base Period, Adjusted Base
12 Period, Linkage Period, and Future Test Year Period for the Energy Supply group.
13 Mr. Moeller and his staff have quantified the elements of cost for the various
14 periods and have provided those elements of cost to me.

⁹ 17.1.3.7(F) NMAC.

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1 **Q. You testified earlier that you are identifying “material variances” between**
2 **Base Period and Future Test Year Period balances. What is a “material**
3 **variance”?**

4 A. For investor-owned electric utilities such as SPS, the Future Test Year Period Rule
5 defines “material change” or “material variance” as a change or variance in cost
6 between the Adjusted Base Period and the Future Test Year Period for a cost center
7 that exceeds 6% and \$100,000 on a total company basis, assuming budget estimates
8 are being used.¹⁰ If budget estimates are not being used, the variance is measured
9 by FERC account.

10 **Q. You also testified earlier that you will discuss the “cost driver” leading to the**
11 **material variances. What is a cost driver?**

12 A. The Future Test Year Period Rule defines “cost driver” to mean a “factor that
13 influences or contributes to the expense of a business activity or operation.”¹¹ The
14 rule further provides that a business activity or operation can have more than one
15 cost driver attached to it.

¹⁰ 17.1.3.7(J) NMAC.

¹¹ 17.1.3.7(D) NMAC.

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1 **Q. Are you presenting the information in the Base Period, Adjusted Base Period,**
2 **Linkage Period, and Future Test Year Period by FERC account?**

3 A. Yes. The Future Test Year Period Rule requires that information be presented by
4 FERC account,¹² and I have complied with that rule. Mr. Moeller and his staff
5 provided me with the information by FERC account.

6 **Q. Are you presenting the capital investment information for the Energy Supply**
7 **group on both a total company and New Mexico jurisdictional basis, as**
8 **required by Rule 17.1.3.12(E)?**

9 A. Yes. My testimony and attachments provide both total company and New Mexico
10 jurisdictional amounts.

¹² 17.1.3.15 NMAC.

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1 **Q. Has the Energy Supply group adjusted the Base Period capital investment to**
2 **arrive at Adjusted Base Period amounts?**¹³

3 A. No. The Adjusted Base Period amounts are the same as the Base Period amounts.

4 **Q. Have you prepared a list of SPS's requested Energy Supply capital additions**
5 **closed to plant in service during the Base Period?**

6 A. Yes. As I explained earlier, my Attachment ML-2 lists SPS's Energy Supply
7 capital additions for the Base Period. Attachment ML-2 contains the information
8 listed in Table ML-2:

9 **Table ML-2**
10 **Information Contained in Attachment ML-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 —	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.

¹³ 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.

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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.

1 **Q. Please describe the types of Energy Supply-related capital additions closed to**
2 **plant-in-service during the Base Period.**

3 A. As shown in Table ML-3, the capital additions for the Base Period fall within the
4 following categories: Reliability and Performance Enhancement, Environmental
5 Compliance, and New Generation.

6 **Table ML-3**
Energy Supply Capital Investment for the Base Period

Project Category	New Mexico Jurisdictional	Total Company
Reliability and Performance Enhancement	\$11,111,483	\$32,967,004
Environmental Compliance	\$406,061	\$1,203,925
New Generation	\$11,200,014	\$32,478,841
Total	\$22,717,558	\$66,649,771

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1 **Q. Please describe the types of projects included in the Reliability and**
2 **Performance Enhancement category.**

3 A. This category of investment contains the capital additions for maintaining and
4 enhancing the safety, performance, and reliability characteristics of SPS's existing
5 production plant. For example, the replacement of equipment reduces the
6 occurrence of unplanned outages and helps to maintain a high reliability factor.
7 Additionally, safety projects ensure a safe workplace for employees and enable SPS
8 to meet the safety standards established by regulatory agencies. Combined, the
9 projects described below account for approximately 65% of the total capital
10 additions in this category. The remaining 35% of the projects are similar in nature
11 in that they maintain or enhance the operational performance and safety of SPS's
12 generating facilities, which is integral to SPS's ability to provide reliable electric
13 service to its customers.

- 14 • **Harrington Unit 3 - Replace Cooling Tower Structure – \$1,974,696 New**
15 **Mexico retail (\$5,854,747 total company) (Level 4**
16 **A.0001550.474.001.002)** - This project included replacing the middle
17 section with Fiberglass Reinforced Plastic materials along with the fill and
18 Drift Eliminators to complete the staged replacement of the tower that was
19 started in 2018. This tower is an original SPS design built in 1979 made of
20 Redwood. A collapse or major failure of the cooling tower was possible if
21 this replacement was not performed.

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- 1 • **Maddox Unit 2 - Hot Gas Path - \$1,370,370 New Mexico retail**
2 **(\$4,062,992 total company) (Level 4 A.0001529.106.001.002)** - This
3 project was to refurbish the gas turbine, torque converter, and bearings.
- 4 • **Cunningham Unit 2 - Turbine 2021 - \$655,289 New Mexico retail**
5 **(\$1,942,856 total company) (Level 4 A.0001545.500.001.037)** - The High
6 Pressure Intermediate Pressure rotor was disassembled, inspected, and
7 refurbished with all repairs needed to ensure that the turbine will continue
8 to operate safely and reliably to the 2025 retirement date. Not performing
9 this work would have resulted in risk of unsafe and unreliable operation
10 through the units remaining life.
- 11 • **Tolk Unit 0¹⁴ - Water Well Phase 9 - \$470,679 New Mexico retail**
12 **(\$1,395,509 total company) (Level 4 A.0001555.042.001.002)** - This
13 project drilled new wells in the Tolk wellfield and installed pumps and
14 controls at each new well. It included new distribution lines, meters, and
15 radio controls. Current observations at the plant and, as discussed by SPS
16 witness Richard Belt, the most recent water study indicated that the
17 production of the wells operating in the Tolk wellfield are rapidly declining.
18 It is necessary to drill additional wells to support coal operations at Tolk.
- 19 • **Harrington Unit 3 - Replace High Power Intermediate Power (HPIP)**
20 **Turbine Blades - \$291,937 New Mexico retail (\$865,561 total company)**
21 **(Level 4 A.0001550.477.001.002)** - Replace rolls 10 and 11 stage blades
22 including complete set of shrouds with tenon holes, locking keys, and all
23 closing hardware. Perform NDE of blade root fit area in rotor, installation
24 of new blades, hardware and shrouds, and machining in to specification.
25 Project included 50% of the open and close high pressure and intermediate
26 pressure section of turbine to perform rotor swap.
- 27 • **Harrington Unit 3 - Turbine Control System (TCS) Upgrade - \$284,057**
28 **New Mexico retail (\$842,196 total company) (Level 4**
29 **A.0001550.411.001.002)** - The existing TCS was upgraded and converted
30 to a redundant Micro Net Plus based controls system. This Micro Net Plus
31 based controls system is fault tolerant, de-energize to trip, online testable,

¹⁴ Unit “0” at a generating station refers to common plant, rather than a specific generating unit.

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- 1 online repairable, and includes continuous self-diagnostics. This allowed
2 uniformity between units which increased the reliability of human
3 performance. This also eliminated the unit from being exposed to maximum
4 stress during overspeed tests.
- 5 • **Tolk Unit 1 - A Mill Replace Up Radial Bearing - \$270,659 New Mexico**
6 **retail (\$802,472 total company) (Level 4 A.0001555.500.001.060) -**
7 Replaced the upper radial bearing on Tolk 1 A Mill. The mill cannot run
8 with the bearing in the current condition and needed to be replaced.
 - 9 • **Harrington Unit 1 - Replace Steam Cooled Spacer Tubes - \$261,384**
10 **New Mexico retail (\$774,975 total company) (Level 4**
11 **A.1550.400.001.002) -** Replaced complete run of the Steam-Cooled Spacer
12 tubes on all 4 Superheat-Division Panels. It was necessary to replace these
13 tubes due to mechanical wear they had experienced and to protect other
14 tubes.
 - 15 • **Harrington Unit 1 - Generator Rewedge - \$256,740 New Mexico retail**
16 **(\$761,205 total company) (Level 4 A.0001550.488.001.002) -** Project to
17 rewedge Unit 1 generator, as well as perform a thorough cleaning of the end
18 windings.
 - 19 • **Harrington Unit 3 - Replace Steam Cooled Spacer Tubes - \$247,537**
20 **New Mexico retail (\$733,921 total company) (Level 4**
21 **A.0001550.412.001.002) -** Replaced complete run of the Steam-Cooled
22 Spacer tubes on all 4 Superheat-Division Panels. It was necessary to replace
23 these tubes due to mechanical wear they had experienced and to protect
24 other tubes.
 - 25 • **Cunningham Unit 0 - Replace Turbine Crane Trolley - \$243,251 New**
26 **Mexico retail (\$721,213 total company) (Level 4**
27 **A.0001545.500.001.033) -** Replaced turbine deck crane trolley including:
28 dual bridge drive gearmotors / brake, VFD controls, remote control radio,
29 and bridge space festoon conductor. This crane services both Cunningham
30 1 and Cunningham 2.

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- 1 • **Tolk Unit 0 - Soot Blower Air Compressor (SBAC) Overhaul - \$234,208**
2 **New Mexico retail (\$694,399 total company (Level 4**
3 **A.0001555.211.001.002) - This project was to restore the SBAC to design**
4 **operating parameters. These compressors are on three-year overhaul cycles.**
5
6 • **Harrington Unit 2 - Soot Blower Air Compressor (SBAC) Rebuild -**
7 **\$233,625 New Mexico retail (\$692,671 total company) (Level 4**
8 **A.0001550.500.001.188) - Unit 2 C compressor required a complete rebuild**
9 **in order to allow a working compressor for each unit. This project was to**
10 **restore the SBAC, which was last rebuilt in 2015, to design operating**
11 **parameters.**

12 • **Plant X Unit 4 - 2021 Turbine Overhaul - \$221,100 New Mexico retail**
13 **(\$655,537 total company) (Level 4 A.0001534.500.001.050) - The Low**
14 **Pressure, High Pressure, and Intermediate Pressure turbines were**
15 **disassembled, inspected, and refurbished with all repairs needed to ensure**
16 **that they will operate through the 2027 retirement date.**

17 • **Harrington Unit 1 - Replace Burners - \$204,109 New Mexico retail**
18 **(\$605,161 total company) (Level 4 A.0001550.391.001.002) - Replaced**
19 **top two elevations of Harrington burner assemblies on all corners, including**
20 **coal nozzles and tips, top two elevations of air tips, four elevations of Close-**
21 **Coupled Over-fire air tips, and all three elevations of Separated Over-fire**
22 **Air Nozzle tips. The parts were fabricated from RA253 MA material to**
23 **withstand the heat from the furnace.**

24 **Q. Please describe the types of projects included in the Environmental**
25 **Compliance category.**

26 A. This category of investment contains the capital additions necessary for ensuring
27 SPS's compliance with existing federal and state environmental regulations,
28 including permits. For example, this category includes the necessary refurbishment
29 or replacement of equipment such as wastewater recovery systems, evaporation

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1 ponds, landfill, and pollution control equipment needed to ensure continuing
2 compliance. Combined, the projects described below account for approximately
3 87% of the total capital additions in this category. The remaining 13% of the
4 projects are similar in nature in that they ensure SPS's compliance with existing
5 environmental regulations and permit requirements, which is essential to
6 maintaining the operational viability of SPS's generating facilities. For example,
7 several of the remaining projects include replacement or installation of necessary
8 pollution control equipment.

- 9 • **Cunningham Unit 2 - Continuous Emissions Monitoring Systems**
10 **(CEMS) - Upgrade - \$68,115 New Mexico retail (\$201,954 total**
11 **company) (Level 4 A.0001545.500.001.035) -** This project was to upgrade
12 the CEMS Foxboro Systems. The Application Workstations, which provide
13 CEMS data management and system status monitoring for plant operation
14 and regulatory reporting, were obsolete. Upgrading the systems addressed
15 difficulties that Plant Technicians were experiencing related to maintaining
16 these systems because of lack of parts and constant failures.
- 17 • **Harrington Unit 3 - Rebag Partial 2021 - \$61,496 New Mexico retail**
18 **(\$182,328 total company) (Level 4 A.0001550.237.001.002) -** This
19 project replaced the baghouse bags in six compartments. The useful life of
20 bags is six to eight years. Filter bags become more difficult to clean as they
21 age resulting in higher baghouse pressure drop, more fan horsepower, boiler
22 load limits, bag failures, and opacity problems. When multiple
23 compartments have reached this point, the baghouse could easily cripple the
24 operation of the unit.
- 25 • **Harrington Unit 2 - Rebag Partial 2021 - \$58,055 New Mexico retail**
26 **(\$172,125 total company) (Level 4 A.0001550.236.001.002) -** This
27 project replaced the baghouse bags in six compartments. The useful life of

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1 bags is six to eight years. Filter bags become more difficult to clean as they
2 age resulting in higher baghouse pressure drop, more fan horsepower, boiler
3 load limits, bag failures and opacity problems. When multiple
4 compartments have reached this point, the baghouse could easily cripple the
5 operation of the unit.

- 6 • **Jones Unit 4 - Continuous Emissions Monitoring Systems (CEMS)**
7 **Upgrade - \$47,370 New Mexico retail (\$140,445 total company) - (Level**
8 **4 A.0001586.501.001.013) -** This project is to upgrade the CEMS Foxboro
9 Systems. The Application Workstations, which provide CEMS data
10 management and system status monitoring for plant operation and
11 regulatory reporting, are now obsolete and unreliable. Upgrading the
12 systems addressed difficulties that Plant Technicians were experiencing
13 related to maintaining these systems because of lack of parts and constant
14 failures.
- 15 • **Jones Unit 0 - Reline #3 Blowdown Pond - \$41,749 New Mexico retail**
16 **(\$123,782 total company) (Level4 A.0001586.179.001.002) -** This project
17 was to replace the liner on pond 3. The current liner has been in service
18 since 1992, with a typical life expectancy of 20 years. Signs of deterioration
19 were evident and the condition had been previously monitored to maximize
20 the useful life of the liner.
- 21 • **Harrington Unit 1 - Replace Continuous Emissions Monitoring System**
22 **(CEMS) Gas Calibration System - \$38,899 New Mexico retail (\$115,330**
23 **total company) (Level 4 A.0001550.500.001.211) -** This project was to
24 upgrade the CEMS Calibration System panel. The panel that this will
25 replace consists of at least 13 pressure transmitters and 8 bottle regulars as
26 well as the associated solenoids and piping. The Plant Technicians
27 constantly face difficulties maintaining these systems because of older parts
28 that need to be replaced with a newer more reliable systems.
- 29 • **Harrington Unit 3 - Replace Continuous Emissions Monitoring System**
30 **(CEMS) Gas Calibration System - \$37,457 New Mexico retail (\$111,055**
31 **total company) (Level 4 A.0001550.500.001.198) -** This project was to
32 upgrade the CEMS Calibration System panel. The panel that this replaced
33 consists of at least 13 pressure transmitters and 8 bottle regulars as well as

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1 the associated solenoids and piping. The Plant Technicians constantly face
2 difficulties maintaining these systems because of older parts that need to
3 replaced with a newer more reliable systems.

4 **Q. Please describe the types of projects included in the New Generation category.**

5 A. This category of investment includes the capital additions necessary to place new
6 generation in service. The projects described below account for 87% of the dollars
7 of the total capital additions in this category:

- 8 • **Sagamore Wind Farm Unit 0 - Tolk T2 345/230 Transformer**
9 **Expansion - \$4,132,751 New Mexico retail (\$12,253,132 total company)**
10 **(Level 4 A.0001402.002.001.002) - Network Upgrades.** This portion of the
11 Sagamore Wind Project is for the upgrade of the transmission grid to
12 support the Sagamore Wind Project.
- 13 • **Hale Wind Farm Unit 0 - SPS Wind Hale County- \$2,296,342 New**
14 **Mexico retail (\$6,427,359 total company) (Level 4**
15 **A.0001577.001.001.002) -** This portion of the Hale Wind Project contains
16 the funding for the purchase of the wind turbines and all costs associated
17 with the installation/erection of two turbines that failed catastrophically a
18 short time after construction.
- 19 • **Sagamore Wind Farm Unit 0 - SPS Wind Sagamore - \$2,109,396 New**
20 **Mexico retail (\$5,904,103 total company) (Level 4**
21 **A.0001563.001.001.002) -** This portion of the Sagamore Wind Project
22 contains the funding for all costs associated with the installation/erection of
23 these turbines.
- 24 • **Sagamore Wind Farm Unit 0 - Tierra Blanca 115 kilovolt (“kV”) Cap**
25 **Bank - \$1,282,428 New Mexico retail (\$3,802,253 total company) (Level**
26 **4 A.0001402.005.001.002) - Network Upgrades.** This portion of the
27 Sagamore Wind Project is for the upgrade of the transmission grid to
28 support the Sagamore Wind Project.

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1 **Q. Why is SPS continuing to make capital investment related to the Sagamore**
2 **and Hale wind facilities?**

3 A. The investment at the Sagamore facilities is necessary to implement the network
4 upgrades that Southwest Power Pool has identified as necessary to support the
5 facility. Those upgrades were placed in service after the end of the test year in
6 SPS's most recent base rate case. The investment at Hale was necessary to replace
7 two wind turbines that were destroyed by weather or faulty equipment.

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

10 A. Yes. These affiliate charges are primarily for labor costs such as engineering,
11 construction, technical direction, management, safety, and other related work to
12 develop, procure, and install capital additions at SPS generation facilities. In
13 addition, the capital projects include overhead charges that reflect labor and other
14 costs as discussed by Mr. Moeller. When those projects are complete, the costs,
15 including the labor charges, are recorded as new assets.

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

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

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1 **Q. Are the Energy Supply-related capital additions listed on Attachment ML-2**
2 **that were closed to plant-in-service during the Base Period, including the**
3 **capitalized affiliate charges, reasonable and necessary?**

4 A. Yes. The capital projects listed in Attachment ML-2 were necessary to maintain
5 the reliability, operational, safety, and environmental requirements of SPS's plants.
6 Equipment replacements (e.g., boiler tubes, burner ignitors, and condenser tubes)
7 reduce the occurrence of unplanned outages and help to maintain a high reliability
8 factor, which reduces the need for higher cost replacement energy and ensure
9 continued environmental compliance. Safety projects ensure a safe workplace for
10 employees and enable SPS to meet the safety standards established by regulatory
11 agencies. The process for developing costs and managing projects is discussed in
12 Section III above.

13 **Q. Does SPS anticipate any major capital additions after the end of the Base**
14 **Period?**

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

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

3 A. The Future Test Year Period Rule defines a “major plant addition” as plant for
4 which a utility is required to file an application for a certificate of public
5 convenience and necessity or is required to provide prior notice pursuant to Rule
6 17.5.440 NMAC.¹⁵ In the following sections of my testimony, I discuss the
7 anticipated Energy Supply capital additions in the Linkage Period and Future Test
8 Year Period.

9 **Q. Does SPS anticipate any major plant retirements after the end of the Base**
10 **Period?**

11 A. Yes. SPS witness David A. Low discusses the proposed plant retirements in his
12 direct testimony. In addition, aging equipment may need to be replaced at
13 individual generating units after the end of the Base Period. I discuss replacement
14 of end-of-life equipment in the following sections of my testimony.

¹⁵ Rule 17.1.3.7(I) NMAC.

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1 **VI. LINKAGE PERIOD CAPITAL INVESTMENTS**

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

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

6 **Q. What is “linkage data”?**

7 A. The term “linkage data” refers to a specific and detailed description of all line items
8 for the period of time between the end of the Base Period and the beginning of the
9 Future Test Year Period required by the rule to create a verifiable link between
10 Future Test Year Period data and Base Period data.¹⁶ The rule states that linkage
11 data does not constitute a test period, but instead is provided for the purpose of
12 validating the information contained in the Future Test Year Period.¹⁷

13 **Q. What amount of capital investment does the Energy Supply group forecast**
14 **that it will place in service during the Linkage Period?**

15 A. The Energy Supply group forecasts that it will place \$34,177,316 of investment in
16 service during the Linkage Period on a New Mexico jurisdictional basis

¹⁶ 17.1.3.7(H) NMAC.

¹⁷ *Id.*

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1 (\$88,879,311 total company). My Attachment ML-3 lists the types of investments
2 and the projects that the Energy Supply group plans to place in service during the
3 Linkage period, along with the elements of cost for those investments.

4 **Q. How did the Energy Supply group forecast the amount of capital investment**
5 **that will be placed in service during the Linkage Period?**

6 A. The Energy Supply group forecasted the capital investment to be placed in service
7 during the Linkage Period based on the Energy Supply budget for that period.

8 **Q. Is the forecast used for the Linkage Period capital investment based on the**
9 **Energy Supply group's most recent budget information?**

10 A. Yes. The Energy Supply group used the July 2022 budget to forecast the amount
11 of capital investment in the Linkage Period. That is the most recent budget
12 available.

13 **Q. What methodology did the Energy Supply group use to develop the budget**
14 **used to cost of projects placed in service during the Linkage Period?**

15 A. The Energy Supply group developed its budget by following the processes outlined
16 in Section III of my direct testimony. As part of that analysis, the Energy Supply
17 group took into consideration the factors that are specific to SPS's generating fleet,
18 such as overhaul schedules, environmental requirements, and operating history.

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1 **Q. Did the elements of cost change for Energy Supply investment between the**
2 **Base Period and the Linkage Period?**

3 A. No. The elements of costs are the same in the Linkage Period as they were in the
4 Base Period. The tab labeled “Lytal By Proj. Cost Element” in Attachment ML-3
5 provides the elements of cost for each project that SPS expects to place in service
6 during the Linkage Period.

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

10 A. The jurisdictional allocators did change between the Base Period and the Linkage
11 Period. The jurisdictional allocators did not change between the Linkage Period
12 and the Future Test Year Period. Ms. Niemi discusses the jurisdictional allocators
13 in her direct testimony.

14 **Q. Please describe the types of Energy Supply-related capital additions that SPS**
15 **forecasts to be closed to plant-in-service during the Linkage Period.**

16 A. Similar to the Base Period, the capital additions that SPS plans to place in service
17 during the Linkage Period fall within the following categories: Reliability and
18 Performance Enhancement, Environmental Compliance, and New Generation.

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1
2

Table ML-4
Energy Supply Capital Investment for the Linkage Period

Project Category	New Mexico Jurisdictional	Total Company
Reliability and Performance Enhancement	\$22,739,679	\$59,268,353
Environmental Compliance	\$8,930,573	\$23,213,585
New Generation	\$2,507,064	\$6,397,374
Total	\$34,177,316	\$88,879,312

3 **Q. Please describe the types of projects included in the Reliability and**
4 **Performance Enhancement category.**

5 A. As I explained in connection with the Base Period capital investments, this category
6 of investment contains the capital additions for maintaining and enhancing the
7 safety, performance, and reliability characteristics of SPS's existing production
8 plant. Combined, the projects described below account for approximately 63% of
9 the total capital additions in this category. The remaining 37% of the projects are
10 similar in nature in that they maintain or enhance the operational performance and
11 safety of SPS's generating facilities, which is integral to SPS's ability to provide
12 reliable electric service to its customers.

- 13 • **Nichols Unit 3 - Rewind Generator Stator - \$1,655,285 New Mexico**
14 **retail (\$4,302,647 total company) (A.0001560.072)** - Project includes
15 rewinding the water-cooled stator to prevent future water leaks. Performing

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- 1 this project in conjunction with the rotor rewind will result in savings due
2 to sharing the opening and closing costs for the generator. This project is to
3 also include the replacement of the generator bushings.
- 4 • **Harrington Station - Harrington Emergent Fund Steam Production -**
5 **\$1,447,662 New Mexico retail (\$3,762,964 total company)**
6 **(A.0001550.500)** - Small Routines - This expenditure represents a group of
7 projects that consist of replacement or refurbishment of plant equipment
8 needed to maintain the continued reliable operation and performance.
 - 9 • **Maddox Unit 1 - Turbine Rebuild - \$1,212,360 New Mexico retail**
10 **(\$3,151,335 total company) (Level 4 A.0001529.115)** - The High
11 Pressure, Intermediate Pressure, & Low-Pressure rotor will be
12 disassembled, inspected, and refurbished with all repairs needed to ensure
13 that the turbine will operate safely and reliably to the 2028 retirement date.
 - 14 • **Nichols Unit 3 - Replace Seemed Heat Piping - \$1,183,861 New Mexico**
15 **retail (\$3,077,255 total company) (Level 4 A.0001560.156)** - Project
16 includes the replacement of piping and fittings. Will include insulation
17 abatement and disposal, third party air monitoring, and installation of new
18 insulation. Scope of welding will include preheating and post-weld stress
19 relief. Project will also include hanger design and replacement, scaffolding,
20 and rigging.
 - 21 • **Jones Unit 2 - Circulating Water Structural Liner - \$1,091,421 New**
22 **Mexico retail (\$2,836,974 total company) (Level 4 A.0001586.157)** -
23 Historical SPS fleet data has revealed that circulating water piping failures
24 have begun within 25 years of service. The existing piping will have been
25 in service for approximately 43 years. This project will consist of installing
26 a Fiberglass Reinforced Polymer Structural Liner or doing a full pipe
27 replacement for the existing steel circulating supply and return piping for
28 Unit 2. Material selection will be determined based on cost prior to starting
29 the project.
 - 30 • **Nichols Unit 3 - Replace Reheat Panels - \$1,016,689 New Mexico retail**
31 **(\$2,642,721 total company) (A.0001560.153)** - This project is to replace

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- 1 all reheat panels in Nichols 3 boiler and the reheat outlet header. The outlet
2 header has had many tube leaks at the terminal tubes.
- 3 • **Hale Wind Farm - Lightning Protection System - \$999,176 New**
4 **Mexico retail (\$2,549,625 total company) (Level 4 A.0001577.024)** - This
5 scope is to upgrade wind turbine blade Lightning Protection System. The
6 upgrade is required to reduce the risk and impact of lightning electrical arc
7 “flashover” between any carbon structural components and the lightning
8 protection system conductor in the blade resulting from a lightning strike.
 - 9 • **Tolk Station - Tolk Emergent Fund Steam Production - \$913,017 New**
10 **Mexico retail (\$2,373,240 total company) (A.0001555.500) - Small**
11 **Routines** - This expenditure represents a group of projects that consist of
12 replacement or refurbishment of plant equipment needed to maintain the
13 continued reliable operation and performance.
 - 14 • **Cunningham Unit 3 - Replace Exhaust Baffles - \$789,082 New Mexico**
15 **retail (\$2,051,093 total company) (Level 4 (A.0001545.082)** - Replace
16 complete set of 9 exhaust baffles (3 rows of 3). After several annual
17 inspections / evaluations it is unlikely that these panels will last until the
18 next scheduled outage assumed to be 2025.
 - 19 • **Nichols Unit 3 - Replace Cooling Tower (CT) Switch Gear - \$571,353**
20 **New Mexico retail (\$1,485,140 total company) (A.0001560.148)** - This
21 project is to replace the cooling tower 480 volt (low voltage) switchgear
22 which includes the switchgear itself, all power circuits, all control circuits,
23 all overcurrent protective devices. Included a lighting panel and associated
24 480V to 240/120V transformer (70KVA) in the switchgear.
 - 25 • **Plant X Station - Plant X Emergent Fund Steam Production - \$542,632**
26 **New Mexico retail (\$1,410,485 total company) (A.0001534.500) - Small**
27 **Routines** - This expenditure represents a group of projects that consist of
28 replacement or refurbishment of plant equipment needed to maintain the
29 continued reliable operation and performance.
 - 30 • **Nichols Unit 3 - Rewind Generator Rotor - \$542,618 New Mexico retail**
31 **(\$1,410,447 total company) (Level 4 A.0001560.129)** - Project includes

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- 1 rewinding the generator rotor, machining of rotor slot dovetails, and
2 replacing original retaining rings. The rotor body, field coils, and wedges
3 will be examined and the entire rotor assembly will be high-speed balanced.
4 Performing this project in conjunction with the stator rewind will result in
5 a net savings due to sharing the opening and closing costs for the generator.
- 6 • **Nichols Station - Nichols Emergent Fund Steam Production - \$519,737**
7 **New Mexico retail (\$1,350,971 total company) (A.0001560.500) - Small**
8 **Routines** - This expenditure represents a group of projects that consist of
9 replacement or refurbishment of plant equipment needed to maintain the
10 continued reliable operation and performance.
- 11 • **Tolk Unit 2 - Replace Mill F Gearbox and Journals - \$507,612 New**
12 **Mexico retail (\$1,319,455 total company) (Level 4 A.0001555.224) –**
13 Rebuild gearbox on Unit 2, Mill F. The journals will also be rebuilt. The
14 major parts of this mill have been in service since 1985. The manufacturer
15 claims the life of the gearbox is 30 years with proper maintenance and
16 inspections. Inspections have revealed the extent of the wear and indicate
17 that an overhaul is warranted at this time.
- 18 • **Jones Station - Jones Emergent Fund Steam Production - \$461,586 New**
19 **Mexico retail (\$1,199,820 total company) (A.0001586.500) - Small**
20 **Routines** - This expenditure represents a group of projects that consist of
21 replacement or refurbishment of plant equipment needed to maintain the
22 continued reliable operation and performance.
- 23 • **Nichols Unit 3 - Replace Super Heat (SH) Outlets Header Tubes -**
24 **\$434,644 New Mexico retail (\$1,129,788 total company)**
25 **(A.0001560.150)** - This project is to replace the super heat outlet header
26 tubes and the header. The current tubes were installed in 2009. A visual
27 inspection in September of 2019 (planned outage) showed cracking on the
28 top row of tubes. Additionally, in March of 2020 an inspection on the
29 middle row of tubes also showed cracking.
- 30 • **Jones Unit 2 - Replace Nozzle Block on High Pressure Turbine -**
31 **\$427,163 New Mexico retail (\$1,110,340 total company) (Level 4**
32 **A.0001586.343)** - Replacement of the High Pressure Turbine Nozzle

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1 Block. Includes: Disassembly of the HP turbine and removal of the inner
2 cylinders. Required maintenance to operate turbine.

3 **Q. Please describe the types of projects included in the Environmental**
4 **Compliance category.**

5 A. As I explained in connection with the Base Period, this category of investment
6 contains the capital additions necessary for ensuring SPS's compliance with
7 existing federal and state environmental regulations, including permits. Combined,
8 the projects described below account for approximately 84% of the total capital
9 additions in this category. The remaining 16% of the projects are similar in nature
10 in that they ensure SPS's compliance with existing environmental regulations and
11 permit requirements, which is essential to maintaining the operational viability of
12 SPS's generating facilities. For example, several of the remaining projects include
13 replacement or installation of necessary pollution control equipment.

14 • **Nichols Unit 0 - Hollywood (HW) Road Waste Water (WW) Treatment**
15 **Improvement - \$5,803,018 New Mexico retail (\$15,084,009 total**
16 **company) (Level 4 A.0001560.126) -** Front end engineering design
17 evaluation and installation of new equipment and upgrades to existing
18 mechanical and electrical systems to implement the Biological Nutrient
19 Removal process at the Water Reclamation Facilities. The existing Water
20 Reclamation Facilities currently provide cycle make-up water to both
21 Harrington and Nichols Stations. SPS must make the improvements to meet
22 Texas Commission on Environmental Quality discharge permit
23 requirements.

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- 1 • **Harrington Unit 0 - Reline Pond 3 - \$1,704,708 New Mexico retail**
2 **(\$4,431,113 total company) (Level 4 A.0001550.538)** - This project is to
3 re-line Pond 3 at Harrington Station. The current liner is leaking. SPS must
4 make the repair to maintain compliance with Texas Commission on
5 Environment Quality requirements.

6 **Q. Please describe the types of projects included in the *New Generation* category.**

7 A. This category of investment includes the capital additions necessary to interconnect
8 new generation facilities. The projects described below account for 100% of the
9 dollars of the total capital additions in this category:

- 10 • **Sagamore Wind Farm - SPS Wind Sagamore - \$2,506,541 New Mexico**
11 **retail (\$6,396,013 total company) (Level 4 A.0001563.001)** - This project
12 is for a transmission network upgrade required by the Southwest Power
13 Pool Interconnect.¹⁸

14 **Q. Your Attachment ML-3 includes capitalized affiliate costs in the Linkage**
15 **Period. Were those affiliate costs necessary to complete the projects listed in**
16 **Attachment ML-3?**

17 A. Yes. These affiliate charges are primarily for labor costs such as engineering,
18 construction, technical direction, management, safety, and other related work to
19 develop, procure, and install capital additions at SPS generation facilities. In

¹⁸ This network upgrade will be necessary to support the Sagamore facility. It has been delayed because a restudy was approved by Southwest Power Pool based on transmission system changes in Oklahoma.

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1 addition, the capital projects include overhead charges that reflect labor and other
2 costs. As explained above, Ms. Doyle explains how affiliate costs are allocated to
3 SPS in her direct testimony. When those projects are complete, the costs, including
4 the labor charges, are recorded as new assets.

5 **Q. Are the Energy Supply-related capital additions listed on Attachment ML-3**
6 **for the Linkage Period, including the capitalized affiliate charges, reasonable**
7 **and necessary?**

8 A. Yes. The capital projects listed in Attachment ML-3 will be necessary to maintain
9 the reliability, operational, safety, and environmental requirements of SPS's plants.
10 Equipment replacements (e.g., boiler tubes, burner ignitors, and condenser tubes)
11 will reduce the occurrence of unplanned outages and help to maintain a high
12 reliability factor, which reduces the need for higher cost replacement energy and
13 ensure continued environmental compliance. Safety projects will ensure a safe
14 workplace for employees and enable SPS to meet the safety standards established
15 by regulatory agencies. The process for developing costs and managing projects is
16 discussed in Section III above.

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1 **VII. FUTURE TEST YEAR PERIOD CAPITAL INVESTMENTS**

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

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

5 **Q. What amount of capital investment does the Energy Supply group forecast to
6 be placed in service during the Future Test Year Period?**

7 A. During the Future Test Year Period, the Energy Supply group plans to place in
8 service \$31,720,077 of capital investment on a New Mexico jurisdictional basis
9 (\$82,757,926 total company).¹⁹ My Attachment ML-4 lists the types of investment
10 that the Energy Supply group plans to place in service during the Future Test Year
11 Period.

12 **Q. How did the Energy Supply group forecast the amount of capital investment
13 to be placed in service during the Future Test Year Period?**

14 A. The Energy Supply group forecasted the amount of capital investment to be placed
15 in service based on the budget for that group.

¹⁹ 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 plant-in-service amounts as of the end of the Future Test Year Period will not match the rate base amounts.

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1 **Q. Is the forecast used for the Future Test Year Period capital investment based**
2 **on the Energy Supply group's most recent budget information?**

3 A. Yes. The Energy Supply group used the July 2022 budget to forecast the amount
4 of capital investment in the Future Test Year Period. That is the most recent budget
5 available.

6 **Q. What methodology did the Energy Supply group use to develop the budget**
7 **used to cost of projects placed in service during the Future Test Year Period?**

8 A. Similar to the Linkage Period, the Energy Supply group used the budgeting process
9 that I describe in Section III of my direct testimony. The Energy Supply group then
10 took into consideration the factors that are specific to SPS's generating fleet, such
11 as the overhauls and other activities that will be necessary during the Future Test
12 Year Period.

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

15 A. The budgeted amounts for the capital placed in service during the Future Test Year
16 period are largely independent of the budgeted amounts of capital placed in service
17 during the Linkage Period. Unlike O&M expense, which is often fairly consistent
18 on a year-over-year basis, the capital budgets are based on the needs in a particular

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1 period, not the amount of capital that was placed in service during a prior period.
2 SPS budgets for the capital projects that are necessary in each period.

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

5 A. The budgeted amounts for the capital placed in service during the Future Test Year
6 period are largely independent of the amounts of capital placed in service during
7 the Base Period. Unlike O&M expense, which is often fairly consistent on a year-
8 over-year basis, the capital budgets are based on the needs in a particular period,
9 not the amount of capital that was placed in service during a prior period. SPS
10 budgets for the capital projects that are necessary in each period.

11 **Q. Are the elements of cost forecasted during the Future Test Year Period similar**
12 **to the elements of cost during the Base Period?**

13 A. Yes. The tab labeled “Lytal By Proj. Cost Element” in Attachment ML-4 shows
14 the elements of cost by project for each project that is forecasted to be placed in
15 service during the Future Test Year Period.

16 **Q. What methodology did SPS use to forecast the elements of cost for projects**
17 **placed in service during the Future Test Year Period?**

18 A. SPS used the elements of cost from the Base Period as a proxy for the allocation of
19 costs among elements of cost in the Future Test Year Period. For example, if labor

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1 costs comprised 40% of total costs for a specific type of project during the Base
2 Period, SPS assigned 40% of costs to the labor element of cost for Future Test Year
3 Period projects.

4 **Q. Please describe the types of Energy Supply-related capital additions that SPS**
5 **forecasts to be closed to plant-in-service during the Future Test Year Period.**

6 A. Similar to the Base Period, the capital additions for the Future Test Year Period fall
7 within the following categories: Reliability and Performance Enhancement,
8 Environmental Compliance, and New Generation.

9 **Table ML-5**
10 **Energy Supply Capital Investment for the Future Test Year Period**

Project Category	New Mexico Jurisdictional	Total Company
Reliability and Performance Enhancement	\$30,843,177	\$80,478,565
Environmental Compliance	\$876,900	\$2,279,361
Total	\$31,720,077	\$82,757,926

11 **Q. Please describe the types of projects included in the Reliability and**
12 **Performance Enhancement category.**

13 A. As discussed previously in connection with the Base Period capital investments,
14 this category of investment contains the capital additions for maintaining and
15 enhancing the safety, performance, and reliability characteristics of SPS's existing

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1 production plant. Combined, the projects described below account for
2 approximately 65% of the total capital additions in this category. The remaining
3 35% of the projects are similar in nature in that they maintain or enhance the
4 operational performance and safety of SPS's generating facilities, which is integral
5 to SPS's ability to provide reliable electric service to its customers.

- 6 • **Jones Unit 4 - Replace Hot Gas Path - \$4,710,082 New Mexico retail**
7 **(\$12,243,100 total company) (Level 4 A.0001586.293)** - Project is to
8 perform a hot gas parts replacement. The scope includes disassembly and
9 reassembly of the combustor and turbine sections. The following parts will
10 be replaced: rows 1-3 rotating blades, rows 1-3 stationary vanes, rows 1-3
11 ring segments, pilot nozzles, support housings, combustor baskets,
12 transition pieces, transition seals. The original equipment manufacturer
13 recommendations for starts / base hours has been exceeded and operating
14 beyond design life is not recommended as it will increase risk of component
15 failure.
- 16 • **Cunningham Unit 4 - Replace Hot Gas Path Components - \$3,829,428**
17 **New Mexico retail (\$9,953,981 total company) (Level 4 A.0001545.268)**
18 - Project is to perform a hot gas path parts replacement using refurbished
19 blades. The scope of this project includes disassembly and reassembly of
20 the combustor and turbine sections. The following parts will be replaced
21 during the project: Rows 1-3 rotating blades, rows 1-3 stationary vanes,
22 rows 1-3 ring segments, pilot nozzles, support housings, combustor
23 baskets, transition pieces, transition seals. The original equipment
24 manufacturer recommendations for starts / base hours has been exceeded
25 and operating beyond design life is not recommended as it will increase risk
26 of component failure.
- 27 • **Tolk Unit 1 - Replace Super Heat (SH) Division Panel Loops -**
28 **\$1,133,208 New Mexico retail (\$2,945,592 total company) (Level 4**
29 **A.0001555.464)** - Replace the lower loops of the six front and rear (twelve

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- 1 total) super heat division panels. Furnace cleaning and scaffolding will be
2 required for this project. This project would greatly reduce probability of
3 experiencing future tube leaks in the division panels and help ensure
4 continued reliability until retirement.
- 5 • **General - Purchase Vehicles - \$981,250 New Mexico retail (\$2,787,000**
6 **total company) (Level 4 A.0006056.227) - Purchase vehicles for**
7 **department use.**

 - 8 • **Harrington Unit 0 - National Ambient Air Quality Standards (NAAQS)**
9 **Pipeline and Rights - \$959,199 New Mexico retail (\$2,493,282 total**
10 **company) (Level 4 A.0001550.511) - The purpose of this project is to do**
11 **the necessary work at Harrington Station to convert the boilers from coal to**
12 **natural gas as their fuel source to stay in compliance with Texas**
13 **Commission on Environmental Quality National Ambient Air Quality**
14 **Standards for this region. This conversion would require adding more**
15 **pipings, valves, and regulating stations to supply gas to additional levels of**
16 **burners on each unit as well as a gas pipeline for supply.**

 - 17 • **Jones Unit 2 - Reheat (RH) Panels Replacement - \$949,282 New Mexico**
18 **retail (\$2,467,505 total company) (Level 4 A.0001586.374) - This project**
19 **is to replace all reheat panels in the Jones 2 boiler. The entire horizontal**
20 **section will be replaced in-kind except the T-9 portion, which should be**
21 **replaced by TP 304H material, keeping the same OD and min wall**
22 **thickness. Due to the aging panels (50 years), increased failure frequency,**
23 **and recent inspections, it is recommended that this reheater be replaced**
24 **during the next overhaul.**

 - 25 • **Jones Unit 1 - Reheat (RH) Panels Replacement - \$949,282 New Mexico**
26 **retail (\$2,467,505 total company) (Level 4 A.0001586.373) - This project**
27 **is to replace all reheat panels in the Jones 2 boiler. The entire horizontal**
28 **section will be replaced in-kind except the T-9 portion, which should be**
29 **replaced by TP 304H material, keeping the same OD and min wall**
30 **thickness. Due to the aging panels (50 years), increased failure frequency,**
31 **and recent inspections, it is recommended that this reheater be replaced**
32 **during the next overhaul.**

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- 1 • **Jones Station - Jones Emergent Fund Steam Production - \$929,921 New**
2 **Mexico retail (\$2,417,181 total company) (Level 4 A.0001586.500) -**
3 **Small Routines** - This expenditure represents a group of projects that
4 consist of replacement or refurbishment of plant equipment needed to
5 maintain the continued reliable operation and performance.
- 6 • **Harrington Unit 0 - Basement Winterization - \$893,584 New Mexico**
7 **retail (\$2,322,727 total company) (Level 4 A.0001550.389)** - This is
8 Phase 1 of 3 to replace heaters in the basement of unit 1. This project will
9 replace 14 of 16 space heaters. This will include new steam traps, service
10 valves, and necessary piping and connections. Space heat at Harrington is
11 an important factor in maintaining employee safety and providing freeze
12 protection for critical equipment.
- 13 • **Tolk Unit 1 - Install Cooling Tower (CT) Film Fill - \$863,011 New**
14 **Mexico retail (\$2,243,257 total company) (Level 4 A.0001555.020)** -
15 Purchase and install film fill in Tolk Unit 1 cooling tower on (24 Cells).
16 Replace necessary structural members identified once the fill is removed.
- 17 • **Tolk Unit 1 - Nozzle block Modification- \$841,899 New Mexico retail**
18 **(\$2,188,381 total company) (Level 4 A.0001555.357)** - This project
19 implements the following bulletin from Siemens for the Tolk unit 1 turbine.
20 The scope includes: New Slide in Nozzle Block, Installation Hardware, Site
21 Specific Engineering Drawings and Forging/Manufacturing, and
22 labor/equipment/shipping required for implementation.
- 23 • **Tolk Unit 0 - Install Water Well Phase 11 - \$785,560 New Mexico retail**
24 **(\$2,041,937 total company) (Level 4 A.0001555.304)** - Drill new water
25 wells and install pump and controls at each new well. Wells are to be
26 instrumented with flow meters, level transducers, and radios to provide for
27 control from Tolk. As discussed by Mr. Belt, it is necessary to drill
28 additional wells each year as existing well productivity in the Tolk wellfield
29 is declining rapidly.
- 30 • **Harrington Unit 2 - Generator Rotor Rewind - \$716,830 New Mexico**
31 **retail (\$1,863,283 total company) (Level 4 A.0001550.483)** - Rewind the
32 generator rotor and replace the retaining rings with 18Mn-18Cr material

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1 including the long-ring modification. This scope requires
2 disassembly/reassembly of the generator, shipping of the rotor, purchase of
3 new retaining rings, initial condition inspection, contract labor to perform
4 the rewind using existing rotor coils, high speed balancing, and final testing
5 and quality assurance and quality control inspections.

- 6 • **Harrington Unit 2 - Replace #2 High Pressure (HP) Feedwater (FW)**
7 **heater - \$716,420 New Mexico retail (\$1,862,218 total company) (Level**
8 **4 A.0001550.451) -** The current heater was installed in 1978. The heater is
9 currently in a significant degraded condition. The historical ODS (OD
10 Stress Corrosion Cracking) found in this heater is still progressing. The
11 heater is currently near its end-of-life condition and repair is needed for
12 continued operations.

- 13 • **Tolk Unit 2 - Install Fill in Cooling Tower (CT) 24 Cells - \$693,922 New**
14 **Mexico retail (\$1,803,739 company total) (Level 4 A.0001555.448) -**
15 Purchase and install film fill in Tolk Unit 2 on 24 Cells. Replace necessary
16 structural members identified once the fill is removed.

17 **Q. Please describe the types of projects included in the Environmental**
18 **Compliance category.**

19 A. As I explained in connection with the Base Period, this category of investment
20 contains the capital additions necessary for ensuring SPS's compliance with
21 existing federal and state environmental regulations, including permits. Combined,
22 the projects described below account for approximately 88% of the total capital
23 additions in this category. The remaining 12% of the projects are similar in nature
24 in that they ensure SPS's compliance with existing environmental regulations and
25 permit requirements, which is essential to maintaining the operational viability of

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1 SPS's generating facilities. For example, several of the remaining projects include
2 replacement or installation of necessary pollution control equipment.

3 • **Maddox Unit 0 - Remediation Water Wells - \$391,497 New Mexico**
4 **retail (\$1,017,634 total company) (Level 4 A.0001529.116)** - Drill 3 new
5 wells and install pumps and controls at each new well as required by the
6 State of New Mexico environmental department. Wells need to be
7 instrumented with flow meters, level transducers, and radios to provide for
8 control from Maddox.

9 • **Jones Unit 1 - Relocate Continuous Emissions Monitoring System**
10 **(CEMS) Building - \$289,157 New Mexico retail (\$751,615 total**
11 **company) (Level 4 A.0001586.356)** - This project is to relocate the exiting
12 CEMS building from the 8th floor, down to ground level. A new building
13 will need to be purchased and equipped to prevent damage to the CEMS
14 equipment and servers located in this building.

15 • **Nichols Unit 1 - Continuous Emissions Monitoring System (CEMS)**
16 **Upgrade - \$90,534 New Mexico retail (\$235,328 total company) (Level**
17 **4 A.0001560.182)** - This project is to upgrade the CEMS Foxboro Systems.
18 The Application Workstations which provide CEMS data management and
19 system status monitoring for plant operation and regulatory reporting, are
20 now obsolete and unreliable. Plant Technicians are facing difficulties
21 maintaining these systems because of lack of parts and constant failures.

22 **Q. Your Attachment ML-4 includes capitalized affiliate costs in the Future Test**
23 **Year Period. Will those affiliate costs be necessary to complete the projects**
24 **listed in Attachment ML-4?**

25 A. Yes. These affiliate charges are primarily for labor costs such as engineering,
26 construction, technical direction, management, safety, and other related work to

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1 develop, procure, and install capital additions at SPS generation facilities. In
2 addition, the capital projects include overhead charges that reflect labor and other
3 costs as discussed by Mr. Moeller. As explained above, Ms. Doyle explains how
4 affiliate costs are allocated to SPS in her direct testimony. When those projects are
5 complete, the costs, including the labor charges, are recorded as new assets.

6 **Q. Are the Energy Supply-related capital additions listed on Attachment ML-4**
7 **that will be closed to plant-in-service during the Future Test Year Period,**
8 **including the capitalized affiliate charges, reasonable and necessary?**

9 A. Yes. The capital projects listed in Attachment ML-4 will be necessary to maintain
10 the reliability, operational, safety, and environmental requirements of SPS's plants.
11 Equipment replacements (e.g., boiler tubes, burner ignitors, and condenser tubes)
12 will reduce the occurrence of unplanned outages and help to maintain a high
13 reliability factor, which reduces the need for higher cost replacement energy and
14 ensure continued environmental compliance. Safety projects will ensure a safe
15 workplace for employees and enable SPS to meet the safety standards established
16 by regulatory agencies. The process for developing costs and managing projects is
17 discussed in Section III above.

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1 **Q. Have you prepared an attachment showing the differences by cost center**
2 **between the Adjusted Base Period and the Future Test Year Period?**

3 A. Yes. My Attachment ML-5 shows the differences by cost center between the
4 Adjusted Base Period and the Future Test Year Period. As required by Rule
5 17.1.3.18(B), Attachment ML-5 contains:

- 6 1. a column showing actual expenditures during the Adjusted Base
7 Period;²⁰
- 8 2. a column showing the estimated expenditures during the Future Test
9 Year Period;
- 10 3. a column showing the variance between the two; and
- 11 4. a column providing an explanation for the differences between the Base
12 Period data and the Future Test Year Period estimates, including
13 estimates that took place in the linkage data.

14 **Q. Are there any material changes between the Energy Supply group's Base**
15 **Period capital investment and Future Test Year Period capital investment?**

16 A. Yes. I have identified the material changes for the Energy Supply group by cost
17 center in my Attachment ML-5. I also discussed the projects that led to the material
18 changes in previous sections of this direct testimony.

²⁰ 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 a direct comparison. Expenditures are measured at the time money is spent, which may be months or even years before an asset is placed in service.

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1 **Q. Have you identified the cost drivers for the material changes between the**
2 **amounts for the Base Period and the Future Test Year Period?**

3 A. In Sections V and VII of my direct testimony, I describe the major capital additions
4 during the Base Period and the Future Test Year Period. The cost drivers for the
5 material changes are attributable largely to the need for different projects and
6 different types of projects in the two periods.

7 **Q. Does the forecast of the Energy Supply group's forecasted capital additions**
8 **during the Future Test Year Period assume that volumes, costs or price inputs**
9 **will change between the Base Period and the Future Test Year Period because**
10 **of inflation or other factors?**

11 A. Energy Supply works to identify specific projects needed for the primary categories
12 of Reliability and Performance Enhancement, Environmental Compliance, and
13 New Generation that will be needed to supply future energy requirement. In
14 addition to the known projects that are identified, SPS budgets additional funds for
15 emergent work that has not yet been identified but that will be needed based on
16 experience. Since this work is for specific projects, SPS makes no assumptions of
17 volumes, costs, or price inputs between the Base Period and the Future Test Year
18 Period; rather SPS builds its budgets on a project-by-project basis with anticipated

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1 costs. Or stated otherwise, SPS tries to anticipate the cost of individual projects
2 based on forecasted costs for those projects. It does not apply any type of inflation
3 adjustment to its capital forecast as a whole.

4 **Q. Does the forecast of the Energy Supply group's forecasted capital additions**
5 **during the Future Test Year Period include any types of escalation factors that**
6 **were applied to the Base Period amounts to arrive at the Future Test Year**
7 **Period amounts?**

8 A. No. As stated above, SPS builds budgets with actual project estimates. Projects
9 change from year to year, and therefore it is not feasible to use escalation factors
10 based on prior years' project costs.

11 **Q. Does the forecast of the Energy Supply group's forecasted capital additions**
12 **during the Future test Year Period include any contingency provisions that**
13 **were applied to the Base Period amounts to arrive at the Future Test Year**
14 **Period amounts?**

15 A. No. As stated above, SPS builds budgets with actual project estimates. Individual
16 projects do contain contingency provisions within the project, but SPS does not
17 apply contingency across the broad Base Period or Linkage Period budget amounts
18 to arrive at the Future Test Year Period Budget amount.

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1 **Q. Does the forecast of the Energy Supply group's forecasted capital additions**
2 **during the Future Test Year Period assume that the type or scope of work**
3 **performed by the Energy Supply group will change between the Base Period**
4 **and the Future Test Year Period?**

5 A. It is likely that some work will be similar between periods, but most work between
6 periods is not the same. The forecast for the Future Test Year Period does include
7 identified projects, but it does not replicate the project list from the Base Period.

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

9 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,)
SOUTHWESTERN PUBLIC SERVICE)
COMPANY,)
APPLICANT.)**

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VERIFICATION

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

/s/ Mark Lytal

MARK LYTAL

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	Lytal	Production Capital Investment - Base Period	6	Table ML-1	\$ 66,649,771	Dollars	Various	Various	\$ 22,717,558
2	Lytal	Production Capital Investment - Linkage Period	6	Table ML-1	\$ 88,879,311	Dollars	Various	Various	\$ 34,177,316
3	Lytal	Production Capital Investment - Future Test Year Period	6	Table ML-1	\$ 82,757,926	Dollars	Various	Various	\$ 31,720,077
4	Lytal	Energy Supply Capital Investment - Base Period	21	7 & 8	\$ 66,649,771	Dollars	Various	Various	\$ 22,717,558
5	Lytal	Reliability and Performance Enhancement	23	Table ML-3	\$ 32,967,004	Dollars	Various	Various	\$ 11,111,483
6	Lytal	Environmental Compliance	23	Table ML-3	\$ 1,203,392	Dollars	Various	Various	\$ 406,061
7	Lytal	New Generation	23	Table ML-3	\$ 32,748,841	Dollars	Various	Various	\$ 11,200,014
8	Lytal	Total	23	Table ML-3	\$ 66,649,771	Dollars	Various	Various	\$ 22,717,558
9	Lytal	Harrington Unit 3 - Replace Cooling Tower Structure	24	14 & 15	\$ 5,854,747	Dollars	12CP-PROD	33.73%	\$ 1,974,696
10	Lytal	Maddox Unit 2 - Hot Gas Path	25	1 & 2	\$ 4,062,992	Dollars	12CP-PROD	33.73%	\$ 1,370,371
11	Lytal	Cunningham Unit 2 - Turbine 2021	25	4 & 5	\$ 1,942,856	Dollars	12CP-PROD	33.73%	\$ 655,289
12	Lytal	Tolk Unit 0 - Water Well Phase 9	25	11 & 12	\$ 1,395,509	Dollars	12CP-PROD	33.73%	\$ 470,679
13	Lytal	Harrington Unit 3 - Replace High Power Intermediate Power (HPIP) Turbine Blades	25	20	\$ 865,561	Dollars	12CP-PROD	33.73%	\$ 291,937
14	Lytal	Harrington Unit 3 - Turbine Control System (TCS) Upgrade	25	27 & 28	\$ 842,196	Dollars	12CP-PROD	33.73%	\$ 284,057
15	Lytal	Tolk Unit 1 - A Mill Replace Up Radial Bearing	26	5 & 6	\$ 802,472	Dollars	12CP-PROD	33.73%	\$ 270,659
16	Lytal	Harrington Unit 1 - Replace Steam Cooled Spacer Tubes	26	9 & 10	\$ 774,975	Dollars	12CP-PROD	33.73%	\$ 261,384
17	Lytal	Harrington Unit 1 - Generator Rewedge	26	15 & 16	\$ 761,205	Dollars	12CP-PROD	33.73%	\$ 256,740
18	Lytal	Harrington Unit 3 - Replace Steam Cooled Spacer Tubes	26	19 & 20	\$ 733,921	Dollars	12CP-PROD	33.73%	\$ 247,538
19	Lytal	Cunningham Unit 0 - Replace Turbine Crane Trolley	26	25 & 26	\$ 721,213	Dollars	12CP-PROD	33.73%	\$ 243,252
20	Lytal	Tolk Unit 0 - Soot Blower Air Compressor (SBAC) Overhaul	27	1 & 2	\$ 694,399	Dollars	12CP-PROD	33.73%	\$ 234,208
21	Lytal	Harrington Unit 2 - Soot Blower Air Compressor (SBAC) Rebuild	27	7 & 8	\$ 692,671	Dollars	12CP-PROD	33.73%	\$ 233,625
20	Lytal	Plant X Unit 4 - 2021 Turbine Overhaul	27	12 & 13	\$ 655,537	Dollars	12CP-PROD	33.73%	\$ 221,100
21	Lytal	Harrington Unit 1 - Replace Burners	27	17 & 18	\$ 605,161	Dollars	12CP-PROD	33.73%	\$ 204,109
22	Lytal	Cunningham Unit 2 - Continuous Emissions Monitoring Systems (CEMS)	28	9 & 10	\$ 201,954	Dollars	12CP-PROD	33.73%	\$ 68,115
23	Lytal	Harrington Unit 3 - Rebag Partial 2021	28	17 & 18	\$ 182,328	Dollars	12CP-PROD	33.73%	\$ 61,496
24	Lytal	Harrington Unit 2 - Rebag Partial 2021	28	25 & 26	\$ 172,125	Dollars	12CP-PROD	33.73%	\$ 58,055
25	Lytal	Jones Unit 4 - Continuous Emissions Monitoring Systems (CEMS) Upgrade	29	7	\$ 140,445	Dollars	12CP-PROD	33.73%	\$ 47,369
26	Lytal	Jones Unit 0 - Reline #3 Blowdown Pond	29	15 & 16	\$ 123,782	Dollars	12CP-PROD	33.73%	\$ 41,749
27	Lytal	Harrington Unit 1 - Replace Continuous Emissions Monitoring System (CEMS) Gas Calibration System	29	22	\$ 115,330	Dollars	12CP-PROD	33.73%	\$ 38,899
28	Lytal	Harrington Unit 3 - Replace Continuous Emissions Monitoring System (CEMS) Gas Calibration System	29	30	\$ 111,055	Dollars	12CP-PROD	33.73%	\$ 37,457
29	Lytal	Sagamore Wind Farm Unit 0 - Tolk T2 345/230 Transformer Expansion	30	9	\$ 12,253,132	Dollars	12CP-PROD	33.73%	\$ 4,132,750
30	Lytal	Hale Wind Farm Unit 0 - SPS Wind Hale County	30	13 & 14	\$ 6,427,359	Dollars	ENERGY	35.73%	\$ 2,296,343
31	Lytal	Sagamore Wind Farm Unit 0 - SPS Wind Sagamore	30	19 & 20	\$ 5,904,103	Dollars	ENERGY	35.73%	\$ 2,109,396
32	Lytal	Sagamore Wind Farm Unit 0 - Tierra Blanca 115kV Cap Bank	30	25	\$ 3,802,253	Dollars	12CP-PROD	33.73%	\$ 1,282,428
33	Lytal	Capital Investment - Linkage Period	34 & 35	15 & 1	\$ 88,879,311	Dollars	Various	Various	\$ 34,177,316
34	Lytal	Reliability and Performance Enhancement	37	Table ML-4	\$ 59,268,353	Dollars	Various	Various	\$ 22,739,679
35	Lytal	Environmental Compliance	37	Table ML-4	\$ 23,213,585	Dollars	Various	Various	\$ 8,930,573
36	Lytal	New Generation	37	Table ML-4	\$ 6,397,374	Dollars	Various	Various	\$ 2,507,064
37	Lytal	Total	37	Table ML-4	\$ 88,879,312	Dollars	Various	Various	\$ 34,177,316
38	Lytal	Nichols Unit 3 - Rewind Generator Stator	37	13 & 14	\$ 4,302,647	Dollars	12CP-PROD	38.47%	\$ 1,655,285
39	Lytal	Harrington Station - Harrington Emergent Fund Steam Production	38	5	\$ 3,762,964	Dollars	12CP-PROD	38.47%	\$ 1,447,662
40	Lytal	Maddox Unit 1 - Turbine Rebuild	38	9 & 10	\$ 3,151,335	Dollars	12CP-PROD	38.47%	\$ 1,212,360
41	Lytal	Nichols Unit 3 - Replace Seemed Heat Pipping	38	14 & 15	\$ 3,077,255	Dollars	12CP-PROD	38.47%	\$ 1,183,861
42	Lytal	Jones Unit 2 - Circulating Water Structural Liner	38	21 & 22	\$ 2,836,974	Dollars	12CP-PROD	38.47%	\$ 1,091,421

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
43	Lytal	Nichols Unit 3 - Replace Reheat Panels	38	30 & 31	\$ 2,642,721	Dollars	12CP-PROD	38.47%	\$ 1,016,690
44	Lytal	Hale Wind Farm - Lightening Protection System	39	3 & 4	\$ 2,549,625	Dollars	ENERGY	39.19%	\$ 999,176
45	Lytal	Tolk Station - Tolk Emergent Fund Steam Production	39	9 & 10	\$ 2,373,240	Dollars	12CP-PROD	38.47%	\$ 913,017
46	Lytal	Cunningham Unit 3 - Replace Exhaust Baffles	39	14 & 15	\$ 2,051,093	Dollars	12CP-PROD	38.47%	\$ 789,083
47	Lytal	Nichols Unit 3 - Replace Cooling Tower (CT) Switch Gear	39	19 & 20	\$ 1,485,140	Dollars	12CP-PROD	38.47%	\$ 571,353
48	Lytal	Plant X Station - Plant X Emergent Fund Steam Production	39	25 & 26	\$ 1,410,485	Dollars	12CP-PROD	38.47%	\$ 542,632
49	Lytal	Nichols Unit 3 - Rewind Generator Rotor	39	30 & 31	\$ 1,410,447	Dollars	12CP-PROD	38.47%	\$ 542,618
50	Lytal	Nichols Station - Nichols Emergent Fund Steam Production	40	6 & 7	\$ 1,350,971	Dollars	12CP-PROD	38.47%	\$ 519,736
51	Lytal	Tolk Unit 2 - Replace Mill F Gearbox and Journals	40	11 & 12	\$ 1,319,455	Dollars	12CP-PROD	38.47%	\$ 507,612
52	Lytal	Jones Station - Jones Emergent Fund Steam Production	40	18 & 19	\$ 1,199,820	Dollars	12CP-PROD	38.47%	\$ 461,587
53	Lytal	Nichols Unit 3 - Replace Super Heat (SH) Outlets Header Tubes	40	24	\$ 1,129,788	Dollars	12CP-PROD	38.47%	\$ 434,644
54	Lytal	Jones Unit 2 - Replace Nozzle Block on High Pressure Turbine	40	25	\$ 1,110,340	Dollars	12CP-PROD	38.47%	\$ 427,162
55	Lytal	Nichols Unit 0 - Hollywood (HW) Road Waste Water (WW) Treatment Improvement	41	15	\$ 15,084,009	Dollars	12CP-PROD	38.47%	\$ 5,803,018
56	Lytal	Harrington Unit 0 - Reline Pond 3	42	1 & 2	\$ 4,431,113	Dollars	12CP-PROD	38.47%	\$ 1,704,708
57	Lytal	Sagamore Wind Farm - SPS Wind Sagamore	42	10 & 11	\$ 6,396,013	Dollars	ENERGY	39.19%	\$ 2,506,541
58	Lytal	Capital Investment - Future Test Year Period	44	8 & 9	\$ 82,757,926	Dollars	Various	Various	\$ 31,720,077
59	Lytal	Reliability and Performance Enhancement	47	Table ML-5	\$ 80,478,565	Dollars	Various	Various	\$ 30,843,177
60	Lytal	Environmental Compliance	47	Table ML-5	\$ 2,279,361	Dollars	Various	Various	\$ 876,900
61	Lytal	Total	47	Table ML-5	\$ 82,757,926	Dollars	Various	Various	\$ 31,720,077
62	Lytal	Jones Unit 4 - Replace Hot Gas Path	48	6 & 7	\$ 12,243,100	Dollars	12CP-PROD	38.47%	\$ 4,710,082
63	Lytal	Cunningham Unit 4 - Replace Hot Gas Path Components	48	16 & 17	\$ 9,953,981	Dollars	12CP-PROD	38.47%	\$ 3,829,428
64	Lytal	Tolk Unit 1 - Replace Super Heat (SH) Division Panel Loops	48	27	\$ 2,945,592	Dollars	12CP-PROD	38.47%	\$ 1,133,208
65	Lytal	General - Purchase Vehicles	49	5	\$ 2,787,000	Dollars	LABXAG	35.21%	\$ 981,250
66	Lytal	Harrington Unit 0 - National Ambient Air Quality Standards (NAAQS) Pipeline and Rights	49	9	\$ 2,493,282	Dollars	12CP-PROD	38.47%	\$ 959,199
67	Lytal	Jones Unit 2 - Reheat (RH) Panels Replacement	49	17 & 18	\$ 2,467,505	Dollars	12CP-PROD	38.47%	\$ 949,282
68	Lytal	Jones Unit 1 - Reheat (RH) Panels Replacement	49	25 & 26	\$ 2,467,505	Dollars	12CP-PROD	38.47%	\$ 949,282
69	Lytal	Jones Station - Jones Emergent Fund Steam Production	50	1 & 2	\$ 2,417,181	Dollars	12CP-PROD	38.47%	\$ 929,921
70	Lytal	Harrington Unit 0 - Basement Winterization	50	6 & 7	\$ 2,322,727	Dollars	12CP-PROD	38.47%	\$ 893,584
71	Lytal	Tolk Unit 1 - Install Cooling Tower (CT) Film Fill	50	13 & 14	\$ 2,243,257	Dollars	12CP-PROD	38.47%	\$ 863,011
72	Lytal	Tolk Unit 1 - Nozzle block Modification	50	17 & 18	\$ 2,188,381	Dollars	12CP-PROD	38.47%	\$ 841,899
73	Lytal	Tolk Unit 0 - Install Water Well Phase 11	50	23 & 24	\$ 2,041,937	Dollars	12CP-PROD	38.47%	\$ 785,560
74	Lytal	Harrington Unit 2 - Generator Rotor Rewind	50	30 & 31	\$ 1,863,283	Dollars	12CP-PROD	38.47%	\$ 716,830
75	Lytal	Harrington Unit 2 - Replace #2 High Pressure (HP) Feedwater (FW) heater	51	7	\$ 1,862,218	Dollars	12CP-PROD	38.47%	\$ 716,420
76	Lytal	Tolk Unit 2 - Install Fill in Cooling Tower (CT) 24 Cells	51	13 & 14	\$ 1,803,739	Dollars	12CP-PROD	38.47%	\$ 693,922
77	Lytal	Maddox Unit 0 - Remediation Water Wells	52	3 & 4	\$ 1,017,634	Dollars	12CP-PROD	38.47%	\$ 391,497
78	Lytal	Jones Unit 1 - Relocate Continuous Emissions Monitoring System (CEMS) Building	52	10	\$ 751,615	Dollars	12CP-PROD	38.47%	\$ 289,156
79	Lytal	Nichols Unit 1 - Continuous Emissions Monitoring System (CEMS) Upgrade	52	16	\$ 235,328	Dollars	12CP-PROD	38.47%	\$ 90,534

(1) Steam Production and Other Production plant is allocated based on 12CP-PROD (33.73% for Base Period, 38.47 % for Linkage Period and Future Test Year), other than Sagamore and Hale which are allocated using ENERGY (35.73% for Base Period, 39.19% for Linkage Period and Future Test Year, other than the Sagamore Wind Project and Hale Wind Project, which are allocated based on ENERGY (35.73% for Base Period, 39.19% for Linkage Period and Future Test Year). Transmission plant is allocated based on 12CP-TRAN (26.38 %for Base Period, 29.24% for Linkage Period and Future Test Year) other than the Sagamore Wind Project and Hale Wind Project, which are allocated based on ENERGY and Transmission Serving Generation is allocated based on 12CP-PROD (33.73% for Base Period, 38.47 % for Linkage Period and Future Test Year). General plant is allocated based on LABXAG (32.44% for Base Period, 35.21% for Linkage Period and Future Test Year).

Southwestern Public Service Company

**Energy Supply Capital Additions by Work Order for the Base Period of July 1, 2021, through June 30, 2022
Plant Additions by Asset Class and Witness**

	(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	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.053	MAD1C-Rpl Circ Exp Joints	4/29/2022	\$ 150,958	\$ 50,915
2	Steam Production	Lytal	Environmental Compliance	A.0001529.056	MAD1C-Upg CEMs Foxboro Sys	2/4/2021	(1,111)	(375)
3	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.085	MAD0C-Refurbish Plant Bathrooms	3/29/2022	164,909	55,621
4	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.097	MAD0C-Rpl RO Pumps -24175	1/26/2022	47,888	16,152
5	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.107	MAD0 OTS - Security Monitor and Log	12/21/2020	3,545	1,196
6	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.500.001.019	MAD1 EH Pump Replace	12/15/2020	(92)	(31)
7	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.500.001.022	MAD1 Elevator Drive	12/23/2020	39	13
8	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.500.001.023	MAD0 Monitoring Wells	12/22/2021	186,586	62,932
9	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.164	PLX4C-Upg DCS Opr Stn and CP-19956	6/28/2019	24	8
10	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.168	PLX0C-Rmv air washer and ductwork-2	7/6/2021	74,592	25,158
11	Steam Production	Lytal	Environmental Compliance	A.0001534.204	PLX0C-Floating pump w piping for pi	2/8/2021	0	0
12	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.207	PLX4C-BMS Upgrade	10/22/2021	280,474	94,598
13	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.210	PLX4C-Circ Pump EW 4160 Bus Wrgm -2	4/28/2021	13,389	4,516
14	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.211	PLX4C-East FD Fan 4160 Bus Wrg -241	4/28/2021	323	109
15	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.212	PLX4C-CT XFMR 4160 Wire -24186	4/30/2021	527	178
16	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.214	PLX4C-Inverter Replacement -24181	4/28/2021	(2,195)	(740)
17	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.219	PLX4C-GSU Xmfr DGA -24463	6/3/2021	2,096	707
18	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.220	PLX4C-Startup Xmfr DGA -24464	6/3/2021	669	226
19	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.221	PLX4C-NrmlSrce Xmfr DGA -24465	6/3/2021	2,299	776
20	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.030	PLX4C Rpl RH PRV	3/15/2021	(0)	(0)
21	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.033	Andrea.E.K	7/24/2020	11	4
22	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.039	PLX0 Rpl Office AC	5/28/2021	1	0
23	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.041	PLX4 Rpl W BFP element Rev1	6/15/2021	145,273	48,998
24	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.041	PLX4 Rpl W BFP element Rev1	6/15/2021	(7,475)	(2,521)
25	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.044	PLX4 Rpl CT Gearbox	2/26/2021	0	0
26	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.045	PLX0 Rpl Maint Shop Roof	2/23/2021	(3,709)	(1,251)
27	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.046	PLX1 Rpl Station Batteries	9/30/2021	138,444	46,695
28	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.046	PLX1 Rpl Station Batteries	9/30/2021	1,862	628
29	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.049	PLX1 Rwd Fan Motor	6/14/2021	(2)	(1)
30	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.050	PLX4 2021 Turbine Overhaul	6/30/2021	655,389	221,050
31	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.050	PLX4 2021 Turbine Overhaul	6/30/2021	149	50
32	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.051	PLX4 Airheater Gearbox	6/14/2021	4,470	1,508
33	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.052	PLX4C Rpl ACW HE Inlet Vlv	6/14/2021	(1)	(0)
34	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.053	PLX4 Rpl Beck Drive	6/30/2021	(2)	(1)
35	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.054	PLX4 CTMU Control Valve	6/30/2021	14,213	4,794
36	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.055	PLX4C- Rpl O2 Probe	8/2/2021	12,453	4,200
37	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.056	PLX4C- Rwd E Circ Motor	8/31/2021	69,363	23,395
38	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.057	PLX4C- Rpl CT GBs 7E & 8E	2/11/2022	49,604	16,730
39	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.058	PLX0C- Rpl Blr Cntrl AC	4/28/2022	15,051	5,076
40	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.059	PLX1C- Main Circ Disch Vlvs	2/11/2022	67,699	22,834

Southwestern Public Service Company

Energy Supply Capital Additions by Work Order for the Base Period of July 1, 2021, through June 30, 2022
Plant Additions by Asset Class and Witness

	(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
41	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.061	PLX0C- Rpl PIV 91	4/28/2022	58,019	19,569
42	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500.001.062	PLX4C- Rpl RH Spray Block Vlv	5/31/2022	37,081	12,507
43	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.043	CHC2C-Rpl CT Decking	3/15/2021	(0)	(0)
44	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.085	CHC0C-Rpr Water Well Mtr 2019	12/22/2020	2	1
45	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.106	CHC2C-Rpl Inverter Batt	7/16/2021	38,506	12,987
46	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.134	CHC0 OTS - Security Monitor and Log	12/21/2020	3,545	1,196
47	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.136	CHC2C-Upg Fox Support Stations -239	12/16/2021	140,918	47,529
48	Steam Production	Lytal	Environmental Compliance	A.0001545.252	CHC0C-Rpl WW Flow Meters-21048	8/13/2021	1	0
49	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.269	CHC0C-Rpl Fuel Gas Press Cntrl Vlv	12/23/2020	63	21
50	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.272	CHC2C-Rpl StarUp XFMR CA-4 Diff Rly	7/23/2020	205	69
51	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.275	CHC2C-Install XFMR DGA monitor	12/13/2021	55,450	18,702
52	Steam Production	Lytal	Environmental Compliance	A.0001545.500.001.035	CHC2 CEMS Upgrade	1/7/2022	201,954	68,115
53	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.029	CHC2 Rpl CT GB Motors	6/30/2022	101,268	34,156
54	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.031	CHC2 Rpl basement sump	10/18/2021	16,391	5,528
55	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.032	CHC 2 Rpl CT Blow Down Valve	7/23/2021	12,527	4,225
56	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.033	CHC0 Rpl Turbine Crane Trolley	9/27/2021	687,830	231,992
57	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.033	CHC0 Rpl Turbine Crane Trolley	9/27/2021	33,382	11,259
58	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.034	CHC0 Monitoring Wells	12/22/2021	157,065	52,975
59	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.036	CHC 0 Rpl Water well motors	12/14/2021	16,566	5,587
60	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.037	CHC2 Turbine 2021	12/16/2021	1,904,805	642,455
61	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.037	CHC2 Turbine 2021	12/16/2021	38,051	12,834
62	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.039	CHC2C- CT Makeup valve	12/14/2021	17,897	6,036
63	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.039	CHC2C- CT Makeup valve	12/14/2021	(407)	(137)
64	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.040	CHC2 Boiler Freeze Protection	12/14/2021	177,780	59,962
65	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.041	CHC0C- Rpl Sump Pump	12/14/2021	14,110	4,759
66	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.042	CHC2 Rpl Boiler Blowdown Vlv	12/14/2021	7,755	2,615
67	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.042	CHC2 Rpl Boiler Blowdown Vlv	12/14/2021	(487)	(164)
68	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.043	CHC2 Rpl BFP Warmup Vlv	4/29/2022	15,163	5,114
69	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.044	CHC2C- Rpl BFP Suction Valve	12/14/2021	130,199	43,914
70	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.044	CHC2C- Rpl BFP Suction Valve	12/14/2021	(39,746)	(13,406)
71	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.045	CHC2C- Rpl CW Expansion Joints	12/14/2021	117,781	39,725
72	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.045	CHC2C- Rpl CW Expansion Joints	12/14/2021	1,059	357
73	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.046	CHC2C- Rpl RH Spray Black Valves	12/14/2021	10,771	3,633
74	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.046	CHC2C- Rpl RH Spray Black Valves	12/14/2021	552	186
75	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.047	CHC2C- Minimum Flow Regulator	12/14/2021	9,274	3,128
76	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.047	CHC2C- Minimum Flow Regulator	12/14/2021	367	124
77	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.048	CHC2C- Rpl Drum Vent Vlv	12/14/2021	6,987	2,357
78	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500.001.048	CHC2C- Rpl Drum Vent Vlv	12/14/2021	28	9
79	Steam Production	Lytal	Environmental Compliance	A.0001550.236	HAR2C-H2 Rebag Partial 2021	9/27/2021	172,125	58,055
80	Steam Production	Lytal	Environmental Compliance	A.0001550.237	HAR3C-H3 Rebag Partial 2021	11/22/2021	182,328	61,496

Southwestern Public Service Company

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Plant Additions by Asset Class and Witness**

	(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
81	Steam Production	Lytal	Environmental Compliance	A.0001550.241	HAR3C-H3 Rebag Partial 2020	12/15/2020	(556)	(188)
82	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.248	HAR1C-Rbld Drag Chain CONV	4/28/2022	385,169	129,910
83	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.259	HAR1C-SBAC 1A Mjr Rebld	6/20/2022	488	165
84	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.290	HAR3C-Rpl Drag Chain	12/14/2021	218,152	73,579
85	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.386	HAR3C-Rpl Gen Hydrogen Purity Monit	12/14/2021	147,652	49,800
86	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.390	HAR1C-H1 Rpl Burners	4/28/2022	571,522	192,764
87	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.391	HAR1C-H3 Rpl Burners	12/14/2021	605,161	204,109
88	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.400	HAR1C-Rpl Steam Cooled Spacer Tubes	4/28/2022	774,975	261,384
89	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.407	HAR2C-Inst Maint Switch on MV Bkrs	5/29/2020	467	158
90	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.408	HAR3C-Rpl #6 FWH Shell Exp Jnt	12/16/2021	45,878	15,474
91	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.409	HAR3C-Install XFMR DGA	12/13/2021	59,507	20,071
92	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.411	HAR3C-TCS Upgrade	12/16/2021	842,196	284,057
93	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.412	HAR3C-Rpl Steam Cooled Spacer Tubes	11/22/2021	733,921	247,538
94	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.415	HAR3C-Rpl Start up by Pass Vlv	12/21/2021	140,863	47,511
95	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.445	HAR1C-Rpl Station Batteries	3/29/2022	125,574	42,354
96	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.474	HAR3C-Rpl Cooling Tower Structure	3/15/2022	5,854,747	1,974,696
97	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.477	HAR3C-Rpl HPI Turbine Blades	12/16/2021	865,561	291,937
98	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.478	HAR3C-W Vac Pump Overhaul	1/25/2022	433	146
99	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.484	HAR3C-H3 Rpl Inst Air Dryer	12/14/2021	126,413	42,637
100	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.485	HAR1C-H1 Instl Sootblwr Isol Vlvs	4/28/2022	59,780	20,163
101	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.486	HAR3C-H3 Instl Sootblwr Isol Vlvs	12/14/2021	62,088	20,941
102	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.488	HAR1C-H1 Generator Rewedge	4/29/2022	761,205	256,740
103	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.489	HAR1C-Inst MBFP Wtr in Oil -23932	6/15/2021	3,101	1,046
104	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.491	HAR1C-Inst Maint Switch MV Bkrs -24	4/28/2022	41,115	13,867
105	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.494	HAR1-Inst DGA -24156	4/29/2022	53,834	18,157
106	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.499	HAR3C-Inst MBFP Wtr in Oil Detect -	12/13/2021	18,327	6,181
107	Steam Production	Lytal	Environmental Compliance	A.0001550.500.001.152	HAR2 Rpl Mercury Probe	5/19/2021	1,330	449
108	Steam Production	Lytal	Environmental Compliance	A.0001550.500.001.198	HAR3C- Rpl CEMS Gas Calib Systm	12/21/2021	111,055	37,457
109	Steam Production	Lytal	Environmental Compliance	A.0001550.500.001.211	HARC1- Rpl CEMS Gas Calib System	5/31/2022	115,330	38,899
110	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.094	HAR0C Inst Pivot Remote Comm	12/16/2020	11,029	3,720
111	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.098	HAR2C S Main Circuit Shaft	5/24/2021	617	208
112	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.110	HAR2C Rpl CT Drain Valve	5/24/2021	113	38
113	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.115	HAR2C-Install BCP Purge Pump	12/16/2021	461,044	155,501
114	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.129	H1 Cooling Tower Storm Repairs	12/22/2020	1,621	547
115	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.135	HAR2 Rpl DA Start up Vent Valve	5/24/2021	(65)	(22)
116	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.136	H0 Rpl Welding Shop Lighting Fixtur	5/20/2021	(17)	(6)
117	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.137	H1 Rpl AB Comp RM S Air Dryer	5/31/2022	166,144	56,037
118	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.145	HAR1 E Circ pump Motor Rewind	6/7/2021	9	3
119	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.146	HAR0 Rpl Cooling Tower lighting fix	10/21/2021	31,732	10,703
120	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.150	HAR3 Rpl E Wet Vent Block Vlvs	6/3/2021	(158)	(53)

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	(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
121	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.151	HAR3 Rpl Coal A Classifier and Bull	4/16/2021	309	104
122	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.154	HAR2 Rpl Seal Oil Temp Controllers	7/30/2021	56,373	19,014
123	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.155	HAR1 Rpl DA Start up vent valve	5/25/2021	(1,377)	(464)
124	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.156	HAR1 Rpl North Amertap Rotorque Act	5/25/2021	(645)	(217)
125	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.157	HAR1 Rpl Big Blowdown Block valve	5/24/2021	28	9
126	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.158	HAR1 C Mill Motor Rewind	10/21/2021	94,663	31,928
127	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.159	HAR1 Rpl East ACW Pump	8/6/2021	70,629	23,822
128	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.160	HAR1 Rpl West ACW Pump	9/17/2021	70,806	23,882
129	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.161	HAR1 Inst CT Blowdown block valve	6/20/2022	4	1
130	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.162	HAR0 Rpl Injection Flow Meter	10/11/2021	45,316	15,284
131	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.163	HAR1 Rpl CT Pump House Rof Vent Fan	7/1/2021	17,995	6,070
132	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.164	HAR1 Rpl Superheat Link Vent Valves	6/15/2021	597	201
133	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.165	HAR0 Rpl Pond 17 Level Device	5/25/2021	(2,219)	(749)
134	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.166	HAR0 Rpl Fire Sys Jockey Pump	4/5/2021	17	6
135	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.167	HAR1 Rpl West ID Fan Damper 2021	5/25/2021	(785)	(265)
136	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.168	HAR2 Rpl EMRC Flow Probe	5/19/2021	151	51
137	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.169	HAR3 Rpl Turb MOP Impeller	12/14/2021	107,107	36,125
138	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.170	HAR3 Rpl Condensate Check Vlvs	12/14/2021	20,677	6,974
139	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.173	HAR0 - Rpl Injection Well Flow Cont	11/22/2021	71,461	24,102
140	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.174	HAR3C Rpl HP Heater Drains piping t	11/22/2021	55,047	18,566
141	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.175	HAR2C Rpl Main Steam Drain Valve	5/24/2021	223	75
142	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.176	HAR1C Rpl W3 and W3 O2 Probes	7/27/2021	30,249	10,203
143	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.177	HAR2C Rpl CT Fan Motor Cell	7/16/2021	15,627	5,271
144	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.178	HAR3C Rpl LP FWH 88 Drain Vlv	12/14/2021	25,002	8,433
145	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.179	HAR0C Injection Well Leak Detection	10/11/2021	100,568	33,920
146	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.180	HAR1 Rpl C Mill Exhauster Fan	7/1/2021	107,960	36,413
147	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.181	HAR2 Center KSB Pump Motor Rewind	7/16/2021	124,809	42,096
148	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.182	HAR3 Rpl EMRC Flow Probe	7/1/2021	5,582	1,883
149	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.184	HAR3C- Rpl H2 Seal Oil Temp Control	12/14/2021	39,666	13,379
150	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.185	HAR0C- Rpl Front Office AC	6/15/2021	501	169
151	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.186	HAR1C- Rpl Air ejector Steam vlv	7/27/2021	6,471	2,182
152	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.187	HAR0C- Repl Inj Well S Booster Pump	9/17/2021	47,623	16,062
153	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.188	HAR2C - SBAC Rebuild	11/22/2021	692,671	233,625
154	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.189	HAR0C- Replace Conference room AC	9/27/2021	14,662	4,945
155	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.190	HAR0C- Purchase portable AC	9/17/2021	39,606	13,358
156	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.192	HAR2C- CT Cell 3 Gearbox rebuild	9/30/2021	27,504	9,277
157	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.193	HAR2C- Rpl W5 & E7 O2 Probes	12/14/2021	28,785	9,709
158	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.194	HAR3C- Rpl Test Rata Umbilical	11/15/2021	62,152	20,963
159	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.195	HAR1 CT Fan Motor Cell 7 Rwnd	3/15/2022	12,748	4,300
160	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.196	HAR1 Rpl North Basement Sump Pump	9/17/2021	9,339	3,150

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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
161	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.197	HAR1 E Aux Circ Motor Rewind	12/22/2021	66,468	22,418
162	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.200	HAR3C- Rpl Ash Line ISO Vlvs	12/16/2021	10,694	3,607
163	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.201	HAR3C- Install ACW Tie Vlvs	12/16/2021	62,446	21,062
164	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.202	HAR3C- Rpl FWH 7 Expansion Joint	12/16/2021	46,161	15,569
165	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.203	HAR0C- Anodamine Injection Skid	12/14/2021	64,182	21,647
166	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.204	HAR3C- Rpl B Mill Exhauster Fan CWI	4/29/2022	112,927	38,088
167	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.205	HAR3C- Rpl E & W Reheat Spray Valve	12/14/2021	74,747	25,211
168	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.206	HAR1 RPL #4 Corner Tilt Drives	4/29/2022	52,441	17,688
169	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.208	HAR3C- Rpl CT Drain Vlv	12/14/2021	32,666	11,018
170	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.209	HAR3C- Rpl Hydrogen Cool Vlv Contro	12/16/2021	7,214	2,433
171	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.213	HAR1 Stm Drum Vent Vlvs Repl	5/31/2022	46,144	15,563
172	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.214	HAR1 Turb Thrtrl Vlv Upgrd	5/31/2022	166,008	55,992
173	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.216	HAR1C- Rpl Super heat spray trnsmtt	5/31/2022	7,043	2,376
174	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.218	HAR1C- Rpl CT Drain Valve	5/31/2022	54,290	18,311
175	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.221	HAR1C- Rpl MS Drain Valves	4/29/2022	36,153	12,194
176	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.222	HAR1C- Rpl DA Recirc Valve	5/31/2022	36,113	12,180
177	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.226	HAR2 Cent Blr Circ Pump Mtr Rewind	4/29/2022	66,209	22,331
178	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.235	HAR1 Gov & Throttle Vlv Ctrl Rpl	5/31/2022	28,747	9,696
179	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.236	HAR1 E Backpass Vlvs Repl	5/31/2022	11,659	3,932
180	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.245	HAR1 E Mill Roll Rpl	5/31/2022	19,449	6,560
181	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.251	HAR1 E Seal Pmp Check Vlv Rpl	5/31/2022	7,709	2,600
182	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.254	HAR3 FWH #5 LB Transmitter	5/31/2022	6,092	2,055
183	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.255	HAR3 DA Upper Tnk Press Transm Rpl	5/31/2022	4,341	1,464
184	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.261	HAR1 Rblld Main Crc Pmp Disch Vlv To	5/31/2022	31,480	10,618
185	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500.001.268	HAR1 FWH #2 Inlet Vlv LimiTorque Rp	5/31/2022	32,932	11,107
186	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.501	HAR3C-Rpl Gen Bkr FK65 -23928	11/12/2021	271,651	91,623
187	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.508	HAR2 ESCE	9/17/2021	22,707	7,659
188	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.509	HAR3 ESCE	4/29/2022	86,280	29,101
189	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.515	HAR1C 4.16kV NSXFMR Inst DGA-24392	4/28/2022	31,008	10,459
190	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.516	HAR1C 6.9kV NSXFMR Inst DGA-24391	4/28/2022	32,415	10,933
191	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.518	HAR1C Rpl Circ Pump Mtr Cable-24757	4/28/2022	102,216	34,476
192	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.042	TOL0C-TolkX Water Well Ph 9	12/14/2021	1,395,509	470,679
193	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.136	TOL2C-Rpl Diesel Gen Controls	5/25/2021	4,330	1,460
194	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.153	TOL1C-Rpl Main Circ Bldg Roof	5/28/2021	937	316
195	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.154	TOL2C-Rpl Main Circ Bldg Roof	5/28/2021	2,183	736
196	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.156	TOL0C-Rpl Outside Crew Shop Roo	5/28/2021	1,161	391
197	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.211	TOL0C-S SBAC Overhaul	11/22/2021	694,399	234,208
198	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.246	TOL0C-Rpl Water Well Pmp 2021	11/22/2021	216,944	73,171
199	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.247	TOL0C-Rpl Water Well Pmp 2022	3/29/2022	31,522	10,632
200	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.296	TOL2C-Rpl Main Pwr Transformer	6/25/2018	1,076	363

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201	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.300	TOL2C-Prch & Install New GSU XFMR	6/3/2021	(366,957)	(123,768)
202	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.411	TOL0C-Inst Flush Line for Recirc Pm	4/28/2022	112,196	37,842
203	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.413	TOL0C-Rpl TK09 oil circuit breaker	9/4/2020	4,626	1,560
204	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.421	TOL1C-Rpl TK02 oil circuit breaker	12/18/2020	459	155
205	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.422	TOL1C-Rpl UPS Inverters	4/9/2021	0	0
206	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.424	TOL1C-Nrml Source A-B Transformer	12/14/2021	51,909	17,508
207	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.425	TOL1C-Nrml Source C-D Transformer	12/14/2021	35,034	11,816
208	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.430	TOL2C-Nrml Source C-D Transformer	6/15/2021	2,401	810
209	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.431	TOL2C-Nrml Source A-B Transformer	6/3/2021	725	244
210	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.435	TOL0C-Rpl North CTMU Pump -23948	12/13/2021	89,086	30,047
211	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.451	TOL2 Rpl Reheat loop	5/10/2021	41	14
212	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.452	TOL1 ESCE	4/29/2022	23,762	8,015
213	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.466	TOL2C Cooling Twr MakeUp Vlvs-24762	4/29/2022	143,850	48,518
214	Steam Production	Lytal	Environmental Compliance	A.0001555.500.001.098	TOL2 Rol Tertiary Bags	6/30/2021	4,083	1,377
215	Steam Production	Lytal	Environmental Compliance	A.0001555.500.001.126	TOL1C- Tertiary Bag Replacement	4/29/2022	16,996	5,732
216	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.023	TOL1C-Rpl MillF MainVrt Shaft	12/26/2018	(598,532)	(201,873)
217	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.049	TOL0C Rpl Gas Line at PLX	6/3/2021	100,199	33,795
218	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.049	TOL0C Rpl Gas Line at PLX	6/3/2021	12	4
219	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.060	TOL1C A Mill RPL Up Rad Brng	3/15/2022	802,472	270,659
220	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.067	TOL0 RPL #3 React BD Pump	5/28/2021	1	0
221	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.079	TOL2 MDBFP Rpl Element	12/22/2020	19,390	6,540
222	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.090	TOL1 VFD Heat Exchanger	11/22/2021	8,042	2,712
223	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.093	TOL2 Rpl FW.SS Relief Valves	3/31/2022	0	0
224	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.095	TOL0 Blow Down Pumps	9/15/2021	10,426	3,516
225	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.096	TOL1 West Reverse Gas Fan	3/15/2021	(0)	(0)
226	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.097	TOL2 - Replace TDBFP Discharge Expa	5/28/2021	(10,617)	(3,581)
227	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.099	TOL2 M Bus Cable Replacement	6/30/2021	3,275	1,105
228	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.100	TOL0 Rpl Plant Controls Shop AC Uni	7/23/2021	12,858	4,337
229	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.101	TOL0 Rpl FAA lighting	10/18/2021	8,092	2,729
230	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.102	TOL0 Rpl Firepump Valves	6/15/2021	965	325
231	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.103	TOL1 Lube Oil Mtr FD Fan Repl	10/29/2021	5,214	1,758
232	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.104	TOL1 E Feeder Gearbox Repl	8/19/2021	18,330	6,182
233	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.105	TOL2C- Gland Seal level controller	11/15/2021	5,213	1,758
234	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.106	TOL2 C Mill Worm Gear Repl	10/22/2021	463,678	156,390
235	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.107	TOL0 Sth Soot Blwr Air Comp Afterc	12/16/2021	58,495	19,729
236	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.108	TOL1 #3 Extrtion Vlv Op Repl	10/7/2021	16,775	5,658
237	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.109	TOL2C- Heat Exchanger Bypass	12/16/2021	20,090	6,776
238	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.112	TOL1C- Burner Tilt Drive Actuator	2/28/2022	12,281	4,142
239	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.114	TOL2C- Rpl lift oil pumps	12/16/2021	22,867	7,713
240	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.115	TOL0C-Rpl diesel suction cups	11/23/2021	8,208	2,768

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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
241	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.116	TOL1C- Rpl Oil Pumps	11/15/2021	20,662	6,969
242	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.117	TOL1 ACW Safety Relief Valve	12/16/2021	14,806	4,994
243	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.119	TOL2C- Turbine Moog Valves	3/15/2022	8,763	2,956
244	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.120	TOL1C- Bunker Level Monitor	4/28/2022	4,396	1,483
245	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.121	TOL2C- Replace Tank Drain Valves	12/7/2021	6,488	2,188
246	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.123	TOL2C- Valve Overhaul	12/13/2021	83,855	28,283
247	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.124	TOL1C- TDBFP Lube Oil pump motor	3/15/2022	4,369	1,474
248	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500.001.131	TOL1C- Reverse Gas Fan Motor Rewind	3/29/2022	19,626	6,620
249	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.602	TOL2C-Synchronous Condenser	11/19/2021	4,022	1,356
250	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.122	NIC3C-Inst Online Vib Mntr Sys	6/15/2021	1,333	450
251	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.127	NIC3C-Rpl Boiler Bldg Elevator	11/22/2021	315,292	106,342
252	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.144	NIC0C-Rpl NICtoHAR Potbl Wtr Line -	3/15/2022	512,444	172,838
253	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.155	NIC0 OTS - Security Monitor and Log	2/22/2021	7,301	2,462
254	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.161	NIC2 Rpl MP XFMR Type U Brushing	5/10/2021	11,056	3,729
255	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.050	NIC0C Rpl Gas Chromatograph	12/16/2021	118,247	39,882
256	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.066	NIC3 Rpl DA Stm Blnkt Vlv	8/23/2021	80,652	27,202
257	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.067	NIC2 Rpl Gov Vlv Rexa Drives	5/25/2021	4,428	1,493
258	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.069	NIC1 Rpl North Main Steam block val	1/26/2022	22,692	7,654
259	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.070	NIC3- Rpl DA Ext NonRtrn AirCylndr	11/22/2021	5,911	1,994
260	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.071	NIC2- Rpl Da Dmp Vlv	6/15/2021	(20)	(7)
261	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.072	NIC2- Instl SH Spry Auto Blnk Vlvs	6/15/2021	(2)	(1)
262	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.074	NIC3- Rpl Stm Drum Vent Vlvs	6/15/2021	117	39
263	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.077	NIC2 Rpl CT Riser Vlvs	4/5/2021	0	0
264	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.078	NIC2 Instl Gas Bypass Vlvs	6/15/2021	(1)	(0)
265	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.079	NIC2C Rewind NBFP Motor	12/14/2021	86,353	29,125
266	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.080	NIC2C Rpl MP XFMR Fan Contactor	8/23/2021	8,660	2,921
267	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.083	NIC0C- Rpl Pond 9 E&W Motors	3/29/2022	22,331	7,532
268	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.089	NIC0C- Rpl Pond 12 Motor	11/22/2021	10,388	3,504
269	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.090	NIC3C- Instal Anodmaine Injec Skid	12/14/2021	67,496	22,765
270	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.091	NIC0C- Rpl Pond 18 W Motor	12/16/2021	7,903	2,665
271	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.092	NIC0 Rpl Section 6 North Fence	12/22/2021	3,344	1,128
272	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.093	NIC0C- Reactor 5 Rpl Flow Meter	3/15/2022	7,498	2,529
273	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.101	NIC3 Steam Blanket Reg & DVC Rpl	5/31/2022	3,927	1,325
274	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500.001.102	NIC1 Gas Firing Regulator Rpl	5/31/2022	7,982	2,692
275	Steam Production	Lytal	Environmental Compliance	A.0001586.017	JON0C NOX Controls Enhancement	12/21/2020	4,097	1,382
276	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.126	JON1C-Rewind Exciter Rotor	5/19/2021	366	123
277	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.127	JON1C-Rpl Turb Vib Monitoring	6/10/2021	83,848	28,280
278	Steam Production	Lytal	Environmental Compliance	A.0001586.179	JON0C-Reline #3 Blowdown Pond	6/15/2021	123,782	41,749
279	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.282	JON1C-Rpl CT Pltfrm 10&11	8/5/2021	57,088	19,255
280	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.298	JON0C-Rpl Air Dryers Aux Air Syst	12/22/2020	60	20

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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
281	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.299	JON0C-Effluent Water Optimization	11/30/2020	179,241	60,454
282	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.301	JON1C-GSU XFMR DGA	5/10/2021	1,963	662
283	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.303	JON1C-Rpl Normal Source Breakers	10/11/2021	104,741	35,327
284	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.312	JON1C-Corner Tube Replacement -2404	4/16/2021	89,337	30,132
285	Steam Production	Lytal	Environmental Compliance	A.0001586.314	JON1C-Rpl Opacity Monitor -23935	4/16/2021	1,501	506
286	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.315	JON2C-G Bus XFMR Rewind -23934	9/27/2021	82,495	27,824
287	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.318	JON2C-Corner Tube Replacement -2404	3/29/2021	(136,591)	(46,070)
288	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.319	JON0C-Rpl Powertex Isol Valves -239	12/16/2021	36,312	12,247
289	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.326	JON1 Ignitor Flame Detector Upgrade	5/19/2021	1,291	436
290	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.038	JON0C Potable Water Flow Meter	12/16/2021	9,713	3,276
291	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.043	JON01 SH Header Sealbox RPI	5/10/2021	18	6
292	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.044	JON1 Bilider Blowdown Sperator	7/16/2021	9,359	3,157
293	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.046	JON02 Boiler Blowdown throttle valv	9/15/2021	6,049	2,040
294	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.049	JON0 Replace HVAC Maint Office	12/23/2020	483	163
295	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.052	JON01 DA Level Controller	7/16/2021	4,881	1,646
296	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.053	JON01 APH Hot Air Duct Expansion Jo	4/27/2021	0	0
297	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.054	JON01 Controls Redundancy	5/19/2021	12,872	4,342
298	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.056	JON01 APH Hot Gas Duct Expansion Jo	7/16/2021	12,651	4,267
299	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.057	JON01 Rpl Main Steam Drain Valves	9/27/2021	8,127	2,741
300	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.058	JON01 HP-IP Turbine Blades & Boltin	5/19/2021	4,622	1,559
301	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.059	JON1 Rpl Econ Inlet Outlet Heard Jo	4/27/2021	2,740	924
302	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.060	JON02 Rpl Front Wall Expansion Join	11/12/2021	48,313	16,295
303	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.061	JON01 - Rpl FWH SRV	7/16/2021	22,649	7,639
304	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.062	JON1C Rpl 2B Drain Valve	7/16/2021	6,650	2,243
305	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.063	JON0C North Make Pump Motor	7/16/2021	4,926	1,661
306	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.067	JON0C- Vapor Well Monitoring System	9/27/2021	3,312	1,117
307	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.069	JON01 Fuel Oil Controllor	12/16/2021	17,199	5,801
308	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.070	JON00C- Rpl Jockey Pump	3/29/2022	4,488	1,514
309	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.071	JON1C- Rpl Econ Vent Valces	12/16/2021	22,624	7,631
310	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.072	JON01C- Rpl Turbine Throttle Valves	12/16/2021	15,137	5,105
311	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500.001.074	JON0 Rpl Elect Shop HVAC	3/16/2022	12,239	4,128
312	Steam Production Total						\$ 29,225,631	\$ 9,857,254
313	Other Production	Lytal	Reliability & Performance Enhancement	A.0001577.016	HLW0 OTS - Security Monitor and Log	2/22/2021	\$ 43,306	\$ 14,606
314	Other Production	Lytal	Reliability & Performance Enhancement	A.0001529.092	MAD2C-RPL OCB Gen Breaker 52G	5/25/2021	48,095	16,222
315	Other Production	Lytal	Reliability & Performance Enhancement	A.0001529.106	MAD2C-Hot Gas Path -24305	7/28/2021	4,062,992	1,370,370
316	Other Production	Lytal	Reliability & Performance Enhancement	A.0001529.501.001.008	MAD2 Torgue Converter Cooler Upgrad	12/21/2021	96,680	32,608
317	Other Production	Lytal	Reliability & Performance Enhancement	A.0001529.501.001.009	MAD2 Rpl Vibration Monitoring Syste	7/12/2021	142,648	48,113
318	Other Production	Lytal	Reliability & Performance Enhancement	A.0001529.501.001.010	MAD2 Starting Motor Rewind	7/30/2021	72,421	24,426
319	Other Production	Lytal	Environmental Compliance	A.0001545.112	CHC4C-Upg CEMSs Foxboro Sys	8/21/2020	783	264

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320	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.124	CHC3C-Rpl Compressor	5/31/2019	(25,833)	(8,713)
321	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.129	CHC4C-Rewind Generator	7/24/2020	(1,081,016)	(364,606)
322	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.133	CHC4C Generator Seed Rotor	10/18/2021	(986)	(332)
323	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.282	CHC34C CT Control Upgrade	12/21/2020	52,928	17,852
324	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.307	CHC4C-Inst Onln Vib Mntr Sys	6/8/2021	2,424	818
325	Other Production	Lytal	Environmental Compliance	A.0001545.501.001.015	CHC4 CEMS Upgrade	9/27/2021	100,690	33,961
326	Other Production	Lytal	Environmental Compliance	A.0001545.501.001.016	CHC3 CEMS Upgrade	6/21/2021	2,980	1,005
327	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.501.001.014	CHC4 Replace Overspeed Trip	12/21/2020	13,189	4,449
328	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.501.001.017	CHC 3 Rpl Torque C oil pump	2/28/2022	17,080	5,761
329	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.501.001.018	CHC4C- Replace TC Clutch	12/14/2021	97,899	33,019
330	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.501.001.019	CHC3C- Freeze Protection	12/16/2021	15,044	5,074
331	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.501.001.019	CHC3C- Freeze Protection	12/16/2021	1,373	463
332	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.501.001.020	CHC4C- Freeze Protection	12/16/2021	16,244	5,479
333	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.501.001.020	CHC4C- Freeze Protection	12/16/2021	2,254	760
334	Other Production	Lytal	New Generation	A.0001563.001	SPS Wind - Sagamore	12/31/2020	5,904,103	2,109,396
335	Other Production	Lytal	New Generation	A.0001563.032	SWF - PCMM	6/30/2021	140,182	50,084
336	Other Production	Lytal	New Generation	A.0001563.505	SWF-2021 PCMM	4/28/2021	(6,044)	(2,159)
337	Other Production	Lytal	New Generation	A.0001577.001	SPS Wind -Hale County	12/21/2021	6,427,359	2,296,342
338	Other Production	Lytal	Reliability & Performance Enhancement	A.0001577.018	HLW-Breaker Replacement	12/15/2021	0	0
339	Other Production	Lytal	Reliability & Performance Enhancement	A.0001577.501.001.003	HLW0C: T005 Generator Replacement	10/21/2021	296,470	105,922
340	Other Production	Lytal	Reliability & Performance Enhancement	A.0001577.501.001.004	HLW0C- Cap Switcher Replacement	12/21/2021	186,151	66,507
341	Other Production	Lytal	Reliability & Performance Enhancement	A.0001586.290	JON3C-Inst Onln Vib Mntr Sys	12/14/2021	46,121	15,556
342	Other Production	Lytal	Environmental Compliance	A.0001586.501.001.013	JON04 CEMS Upgrade	9/27/2021	140,445	47,370
343	Other Production	Lytal	Environmental Compliance	A.0001586.501.001.014	JON03 CEMS Upgrade	6/21/2021	26,110	8,806
344	Other Production	Lytal	Reliability & Performance Enhancement	A.0001586.501.001.011	JON3 Double Block & Bleed	11/21/2020	(478)	(161)
345	Other Production	Lytal	Reliability & Performance Enhancement	A.0001590.010	GMS0C-Hot Oil GasLine Htr Rmvl	6/28/2019	(2)	(1)
346	Other Production Total						\$ 16,841,612	\$ 5,939,259
347	Electric Transmission	Lytal	New Generation	A.0001402.002	Tolk T2 345/230 Xfmr Expansion	1/31/2022	\$ 12,253,132	\$ 4,132,751
348	Electric Transmission	Lytal	New Generation	A.0001402.004	Crossroads Sub 345kV Cap Bank	11/21/2020	(141,349)	(47,674)
349	Electric Transmission	Lytal	New Generation	A.0001402.005	Tierra Blanca 115kV Cap Bank	11/23/2021	3,802,253	1,282,428
350	Electric Transmission	Lytal	New Generation	A.0001402.007	K91 Newhart Plant X Upgrade	4/30/2020	(26,785)	(9,034)
351	Electric Transmission	Lytal	New Generation	A.0001402.008	T59 Deaf Smith Curry Upgrade	12/21/2020	(691,489)	(233,226)
352	Electric Transmission	Lytal	New Generation	A.0001402.009	K21 Deaf Smith Plant X Upgrade	8/31/2020	43,047	14,519
353	Electric Transmission	Lytal	New Generation	A.0001402.011	K42 Tolk Tuco Upgrade	4/30/2020	(33,366)	(11,254)
354	Electric Transmission	Lytal	New Generation	A.0001402.012	T59 NM	12/21/2020	97,186	32,779
355	Electric Transmission	Lytal	New Generation	A.0001402.017	Tolk Spare 345kV XFMR	1/27/2022	3,046,417	1,027,499
356	Electric Transmission	Lytal	New Generation	A.0001402.018	Tuco 230kV Cap Bank 1	5/28/2021	150,495	50,759
357	Electric Transmission	Lytal	New Generation	A.0001402.019	J15 Reterm Line, Tolk	1/27/2022	811,953	273,856
358	Electric Transmission	Lytal	New Generation	A.0001402.020	Crossroads Relay Upgrade, J15 Term	1/26/2022	381,818	128,780

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359	Electric Transmission	Lytal	New Generation	A.0001563.010	SWF Crossroads 345KV Term Sub Upg	10/30/2020	(74,894)	(26,758)	
360	Electric Transmission	Lytal	New Generation	A.0001563.011	SWF Crossroads 345KV Term Sub Upg T	12/31/2020	74,894	26,758	
361	Electric Transmission	Lytal	New Generation	A.0001563.012	Sagamore- Collector Sub South	12/31/2020	4,208	1,503	
362	Electric Transmission	Lytal	New Generation	A.0001563.013	Sagamore-TSG North 345KV	12/31/2020	(83)	(29)	
363	Electric Transmission	Lytal	New Generation	A.0001563.024	Sagamore - Collector Sub North	12/31/2020	6,353	2,270	
364	Electric Transmission	Lytal	New Generation	A.0001577.012	Hale-230KV Overhead Bus to Tuco Sub	11/24/2020	1,462	522	
365	Electric Transmission	Lytal	Reliability & Performance Enhancement	A.0001577.019	HLW Breaker Replacement	3/29/2021	104,792	37,440	
366	Electric Transmission	Lytal	Reliability & Performance Enhancement	A.0001598.001	TOL1C-Synchronous Condenser	11/30/2020	142,865	37,691	
367	Electric Transmission	Lytal	Reliability & Performance Enhancement	A.0001598.003	TOL1C-Synchronous Condenser	12/31/2020	89,542	23,623	
368	Electric Transmission	Lytal	Reliability & Performance Enhancement	A.0001598.004	TOL2C-Synchronous Condenser	12/23/2020	(10,863)	(2,866)	
369	Electric Transmission Total							\$ 20,031,588	\$ 6,742,337
370	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.668	HAR0C-Purch Plant Tools	Routine	\$ 51,517	\$ 16,711	
371	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.675	NIC0C-Purch Plant Tools	Routine	18,651	6,050	
372	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.688	GMS0C-Training Tools	Routine	12,177	3,950	
373	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.692	GMS0C-MMR Instruments	Routine	3,847	1,248	
374	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.763	HLW: Hale Wind - Tools & Equip	Routine	42,649	13,834	
375	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.764	SWF: Sagamore Wind - Tools & Equip	Routine	114,108	37,013	
376	Electric General Total							\$ 242,950	\$ 78,805
377	Electric Intangible	Lytal	New Generation	A.0001577.017	Hale PCMM	12/30/2020	\$ 307,989	\$ 99,902	
378	Electric Intangible Total							\$ 307,989	\$ 99,902
379	Grand Total							\$ 66,649,771	\$ 22,717,558

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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	Steam Production	Lytal	A.0001550.474	HAR3C-Rpl Cooling Tower Structure	\$ 5,854,747	\$ 111,759	\$ 2,739,019	\$ 2,496,743	\$ 507,226
2	Steam Production	Lytal	A.0001550.500	HAR Emergent Fund -Steam prod	3,982,004	851,667	1,046,307	1,442,049	641,981
3	Steam Production	Lytal	A.0001545.500	CHC Emergent Fund -Steam prod	3,638,920	869,420	1,808,427	847,125	113,949
4	Steam Production	Lytal	A.0001555.042	TOL0C-TolkX Water Well Ph 9	1,395,509	39,182	462,553	507,246	386,527
5	Steam Production	Lytal	A.0001534.500	PLX Emergent Fund -Steam prod	1,257,890	114,407	366,780	314,523	462,182
6	Steam Production	Lytal	A.0001555.500	TOL Emergent Fund -Steam prod	1,171,776	467,274	(118,418)	406,169	416,750
7	Steam Production	Lytal	A.0001550.477	HAR3C-Rpl HPIP Turbine Blades	865,561	275,662	464,345	117,805	7,750
8	Steam Production	Lytal	A.0001550.411	HAR3C-TCS Upgrade	842,196	122,336	155,777	222,941	341,142
9	Steam Production	Lytal	A.0001550.400	HAR1C-Rpl Steam Cooled Spacer Tubes	774,975	57,112	559,592	192,777	(34,506)
10	Steam Production	Lytal	A.0001550.488	HAR1C-H1 Generator Rewedge	761,205	321,809	411,516	196,930	(169,050)
11	Steam Production	Lytal	A.0001550.412	HAR3C-Rpl Steam Cooled Spacer Tubes	733,921	33,802	526,374	216,787	(43,041)
12	Steam Production	Lytal	A.0001555.211	TOL0C-S SBAC Overhaul	694,399	135,593	203,966	363,321	(8,481)
13	Steam Production	Lytal	A.0001550.391	HAR1C-H3 Rpl Burners	605,161	172,525	210,588	258,364	(36,316)
14	Steam Production	Lytal	A.0001550.390	HAR1C-H1 Rpl Burners	571,522	153,372	206,485	251,882	(40,216)
15	Steam Production	Lytal	A.0001560.144	NIC0C-Rpl NICtoHAR Potbl Wtr Line -	512,444	44,976	341,237	108,829	17,402
16	Steam Production	Lytal	A.0001560.500	NIC Emergent Fund -Steam prod	457,904	72,737	26,719	144,302	214,146
17	Steam Production	Lytal	A.0001550.248	HAR1C-Rbld Drag Chain CONV	385,169	30,372	337,306	244,627	(227,136)
18	Steam Production	Lytal	A.0001560.127	NIC3C-Rpl Boiler Bldg Elevator	315,292	14,434	69,380	4,393	227,086
19	Steam Production	Lytal	A.0001534.207	PLX4C-BMS Upgrade	280,474	3,598	3,387	8,354	265,134
20	Steam Production	Lytal	A.0001550.501	HAR3C-Rpl Gen Bkr FK65 -23928	271,651	57,171	199,182	86,056	(70,757)
21	Steam Production	Lytal	A.0001586.500	JON Emergent Fund -Steam prod	229,052	17,622	9,534	74,108	127,788
22	Steam Production	Lytal	A.0001550.290	HAR3C-Rpl Drag Chain	218,152	48,801	46,807	126,288	(3,745)
23	Steam Production	Lytal	A.0001555.246	TOL0C-Rpl Water Well Pmp 2021	216,944	479	56,468	138,078	21,920
24	Steam Production	Lytal	A.0001529.500	MAD Emergent Fund -Steam prod	186,534	2,905	180,720	2,370	539
25	Steam Production	Lytal	A.0001550.237	HAR3C-H3 Rebag Partial 2021	182,328	46,967	36,448	112,488	(13,575)
26	Steam Production	Lytal	A.0001586.299	JON0C-Effluent Water Optimization	179,241	32,782	125,557	27,998	(7,096)
27	Steam Production	Lytal	A.0001550.236	HAR2C-H2 Rebag Partial 2021	172,125	192	3,207	48	168,678
28	Steam Production	Lytal	A.0001529.085	MAD0C-Refurbish Plant Bathrooms	164,909	22,043	133,661	46,761	(37,555)
29	Steam Production	Lytal	A.0001529.053	MAD1C-Rpl Circ Exp Joints	150,958	11,058	84,751	56,024	(875)
30	Steam Production	Lytal	A.0001550.386	HAR3C-Rpl Gen Hydrogen Purity Monit	147,652	27,597	17,824	4,946	97,286
31	Steam Production	Lytal	A.0001555.466	TOL2C Cooling Twr MakeUp Vlvs-24762	143,850	11,283	135,402	30,912	(33,747)
32	Steam Production	Lytal	A.0001545.136	CHC2C-Upg Fox Support Stations -239	140,918	48,575	90,049	16,608	(14,314)
33	Steam Production	Lytal	A.0001550.415	HAR3C-Rpl Start up by Pass Vlv	140,863	13,369	29,526	96,018	1,950
34	Steam Production	Lytal	A.0001550.484	HAR3C-H3 Rpl Inst Air Dryer	126,413	22,830	45,992	56,146	1,446
35	Steam Production	Lytal	A.0001550.445	HAR1C-Rpl Station Batteries	125,574	10,698	4,735	115,100	(4,959)
36	Steam Production	Lytal	A.0001586.179	JON0C-Reline #3 Blowdown Pond	123,782	6,281	-	0	117,502
37	Steam Production	Lytal	A.0001555.411	TOL0C-Inst Flush Line for Recirc Pm	112,196	19,481	74,183	15,936	2,596

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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	Steam Production	Lytal	A.0001586.303	JON1C-Rpl Normal Source Breakers	104,741	6,019	-	-	98,722
39	Steam Production	Lytal	A.0001550.518	HAR1C Rpl Circ Pump Mtr Cable-24757	102,216	12,867	27,773	69,132	(7,556)
40	Steam Production	Lytal	A.0001586.312	JON1C-Corner Tube Replacement -2404	89,337	1,105	-	-	88,232
41	Steam Production	Lytal	A.0001555.435	TOL0C-Rpl North CTMU Pump -23948	89,086	6,722	-	80,158	2,206
42	Steam Production	Lytal	A.0001550.509	HAR3 ESCE	86,280	42,657	737	68,467	(25,581)
43	Steam Production	Lytal	A.0001586.127	JON1C-Rpl Turb Vib Monitoring	83,848	19,385	-	62,593	1,871
44	Steam Production	Lytal	A.0001586.315	JON2C-G Bus XFMR Rewind -23934	82,495	(83)	-	173	82,405
45	Steam Production	Lytal	A.0001534.168	PLX0C-Rmv air washer and ductwork-2	74,592	960	(0)	(0)	73,632
46	Steam Production	Lytal	A.0001550.486	HAR3C-H3 Instl Sootblwr Isol Vlvs	62,088	27,132	-	31,057	3,898
47	Steam Production	Lytal	A.0001550.485	HAR1C-H1 Instl Sootblwr Isol Vlvs	59,780	32,199	3,477	22,644	1,460
48	Steam Production	Lytal	A.0001550.409	HAR3C-Install XFMR DGA	59,507	14,202	20,667	22,353	2,285
49	Steam Production	Lytal	A.0001586.282	JON1C-Rpl CT Pltfrm 10&11	57,088	1,010	-	-	56,078
50	Steam Production	Lytal	A.0001545.275	CHC2C-Install XFMR DGA monitor	55,450	14,365	16,764	20,945	3,376
51	Steam Production	Lytal	A.0001550.494	HAR1-Inst DGA -24156	53,834	6,167	20,166	25,685	1,816
52	Steam Production	Lytal	A.0001555.424	TOL1C-Nrml Source A-B Transformer	51,909	23,770	1,039	25,043	2,057
53	Steam Production	Lytal	A.0001529.097	MAD0C-Rpl RO Pumps -24175	47,888	4,257	-	44,928	(1,296)
54	Steam Production	Lytal	A.0001550.408	HAR3C-Rpl #6 FWH Shell Exp Jnt	45,878	12,610	50,217	5,809	(22,758)
55	Steam Production	Lytal	A.0001550.491	HAR1C-Inst Maint Switch MV Bkrs -24	41,115	12,478	27,002	102	1,533
56	Steam Production	Lytal	A.0001545.106	CHC2C-Rpl Inverter Batt	38,506	2,260	-	1,380	34,866
57	Steam Production	Lytal	A.0001586.319	JON0C-Rpl Powertex Isol Valves -239	36,312	8,102	-	31,799	(3,589)
58	Steam Production	Lytal	A.0001555.425	TOL1C-Nrml Source C-D Transformer	35,034	8,659	3,901	21,030	1,445
59	Steam Production	Lytal	A.0001550.516	HAR1C 6.9kV NSXFMR Inst DGA-24391	32,415	9,776	-	22,072	567
60	Steam Production	Lytal	A.0001555.247	TOL0C-Rpl Water Well Pmp 2022	31,522	212	10,037	23,972	(2,700)
61	Steam Production	Lytal	A.0001550.515	HAR1C 4.16kV NSXFMR Inst DGA-24392	31,008	6,267	-	23,150	1,592
62	Steam Production	Lytal	A.0001555.452	TOL1 ESCE	23,762	7,861	1,474	15,000	(573)
63	Steam Production	Lytal	A.0001550.508	HAR2 ESCE	22,707	6,199	921	16,771	(1,185)
64	Steam Production	Lytal	A.0001550.499	HAR3C-Inst MBFP Wtr in Oil Detect -	18,327	10,126	2,980	3,396	1,824
65	Steam Production	Lytal	A.0001534.210	PLX4C-Circ Pump EW 4160 Bus Wrng -2	13,389	698	6,014	85	6,591
66	Steam Production	Lytal	A.0001560.161	NIC2 Rpl MP XFMR Type U Brushing	11,056	2,016	2,019	23	6,997
67	Steam Production	Lytal	A.0001560.155	NIC0 OTS - Security Monitor and Log	7,301	-	-	6,899	401
68	Steam Production	Lytal	A.0001555.413	TOL0C-Rpl TK09 oil circuit breaker	4,626	(3)	-	(0)	4,629
69	Steam Production	Lytal	A.0001555.136	TOL2C-Rpl Diesel Gen Controls	4,330	2,377	-	0	1,953
70	Steam Production	Lytal	A.0001586.017	JON0C NOX Controls Enhancement	4,097	692	0	(0)	3,406
71	Steam Production	Lytal	A.0001555.602	TOL2C-Synchronous Condenser	4,022	-	-	-	4,022
72	Steam Production	Lytal	A.0001545.134	CHC0 OTS - Security Monitor and Log	3,545	-	-	3,350	195
73	Steam Production	Lytal	A.0001529.107	MAD0 OTS - Security Monitor and Log	3,545	-	-	3,350	195
74	Steam Production	Lytal	A.0001550.489	HAR1C-Inst MBFP Wtr in Oil -23932	3,101	3,012	-	-	89

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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	Steam Production	Lytal	A.0001555.430	TOL2C-Nrml Source C-D Transformer	2,401	2,534	-	-	(134)
76	Steam Production	Lytal	A.0001534.221	PLX4C-NrmlSrce Xmfr DGA -24465	2,299	2,199	-	-	100
77	Steam Production	Lytal	A.0001555.154	TOL2C-Rpl Main Circ Bldg Roof	2,183	832	(365)	1	1,714
78	Steam Production	Lytal	A.0001534.219	PLX4C-GSU Xmfr DGA -24463	2,096	725	-	1,266	105
79	Steam Production	Lytal	A.0001586.301	JON1C-GSU XFMR DGA	1,963	1,857	-	-	105
80	Steam Production	Lytal	A.0001586.314	JON1C-Rpl Opacity Monitor -23935	1,501	858	0	0	643
81	Steam Production	Lytal	A.0001560.122	NIC3C-Inst Online Vib Mntr Sys	1,333	377	-	87	869
82	Steam Production	Lytal	A.0001586.326	JON1 Ignitor Flame Detector Upgrade	1,291	706	-	136	449
83	Steam Production	Lytal	A.0001555.156	TOL0C-Rpl Ouside Crew Shop Roo	1,161	828	(1,241)	1	1,572
84	Steam Production	Lytal	A.0001555.296	TOL2C-Rpl Main Pwr Transformer	1,076	1,781	214	-	(919)
85	Steam Production	Lytal	A.0001555.153	TOL1C-Rpl Main Circ Bldg Roof	937	828	(740)	1	848
86	Steam Production	Lytal	A.0001555.431	TOL2C-Nrml Source A-B Transformer	725	963	34	1	(273)
87	Steam Production	Lytal	A.0001534.220	PLX4C-Startup Xmfr DGA -24464	669	642	-	-	27
88	Steam Production	Lytal	A.0001534.212	PLX4C-CT XFMR 4160 Wire -24186	527	517	-	-	10
89	Steam Production	Lytal	A.0001550.259	HAR1C-SBAC 1A Mjr Reblnd	488	(31,169)	-	(0)	31,657
90	Steam Production	Lytal	A.0001550.407	HAR2C-Inst Maint Switch on MV Bkrs	467	451	-	-	16
91	Steam Production	Lytal	A.0001555.421	TOL1C-Rpl TK02 oil circuit breaker	459	441	-	-	18
92	Steam Production	Lytal	A.0001550.478	HAR3C-W Vac Pump Overhaul	433	-	-	-	433
93	Steam Production	Lytal	A.0001586.126	JON1C-Rewind Exciter Rotor	366	0	-	-	366
94	Steam Production	Lytal	A.0001534.211	PLX4C-East FD Fan 4160 Bus Wrg -241	323	0	-	-	323
95	Steam Production	Lytal	A.0001545.272	CHC2C-Rpl StarUp XFMR CA-4 Diff Rly	205	181	-	-	24
96	Steam Production	Lytal	A.0001545.269	CHC0C-Rpl Fuel Gas Press Cntrl Vlv	63	70	-	-	(6)
97	Steam Production	Lytal	A.0001586.298	JON0C-Rpl Air Dryers Aux Air Syst	60	-	62	-	(2)
98	Steam Production	Lytal	A.0001555.451	TOL2 Rpl Reheat loop	41	-	-	-	41
99	Steam Production	Lytal	A.0001534.164	PLX4C-Upg DCS Opr Stn and CP-19956	24	-	-	-	24
100	Steam Production	Lytal	A.0001545.085	CHC0C-Rpr Water Well Mtr 2019	2	-	-	-	2
101	Steam Production	Lytal	A.0001545.252	CHC0C-Rpl WW Flow Meters-21048	1	-	-	-	1
102	Steam Production	Lytal	A.0001555.422	TOL1C-Rpl UPS Inverters	0	-	-	-	0
103	Steam Production	Lytal	A.0001534.204	PLX0C-Floating pump w piping for pi	0	-	-	-	0
104	Steam Production	Lytal	A.0001545.043	CHC2C-Rpl CT Decking	(0)	-	-	-	(0)
105	Steam Production	Lytal	A.0001550.241	HAR3C-H3 Rebag Partial 2020	(556)	0	-	-	(556)
106	Steam Production	Lytal	A.0001529.056	MAD1C-Upg CEMs Foxboro Sys	(1,111)	-	-	(1,135)	24
107	Steam Production	Lytal	A.0001534.214	PLX4C-Inverter Replacement -24181	(2,195)	805	(0)	44	(3,045)
108	Steam Production	Lytal	A.0001586.318	JON2C-Corner Tube Replacement -2404	(136,591)	(12)	0	-	(136,579)
109	Steam Production	Lytal	A.0001555.300	TOL2C-Prch & Install New GSU XFMR	(366,957)	2,046	150	3,004	(372,156)
110	Other Production	Lytal	A.0001577.016	HLW0 OTS - Security Monitor and Log	43,306	37,018	1,772	4,535	(19)
111	Other Production	Lytal	A.0001577.001	SPS Wind -Hale County	6,427,359	3,482	2,961,513	5,427,429	(1,965,066)

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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	Other Production	Lytal	A.0001563.001	SPS Wind - Sagamore	5,904,103	41,551	5,850,377	491	11,684
113	Other Production	Lytal	A.0001529.106	MAD2C-Hot Gas Path -24305	4,062,992	119,215	1,134,477	485,449	2,323,851
114	Other Production	Lytal	A.0001577.501	HALE Emergent Fund-Other Prod	482,621	4,529	209,682	368,288	(99,878)
115	Other Production	Lytal	A.0001529.501	MAD Emergent Fund -Other prod	311,749	10,962	77,509	34,806	188,472
116	Other Production	Lytal	A.0001545.501	CHC Emergent Fund -Other prod	266,754	40,768	136,024	22,769	67,192
117	Other Production	Lytal	A.0001586.501	JON Emergent Fund -Other prod	166,077	15,106	27,422	25,975	97,574
118	Other Production	Lytal	A.0001563.032	SWF - PCMM	140,182	17,665	121,983	-	534
119	Other Production	Lytal	A.0001545.282	CHC34C CT Control Upgrade	52,928	7,249	9,293	20,272	16,115
120	Other Production	Lytal	A.0001529.092	MAD2C-RPL OCB Gen Breaker 52G	48,095	8,433	58,447	(12,777)	(6,008)
121	Other Production	Lytal	A.0001586.290	JON3C-Inst Onln Vib Mntr Sys	46,121	15,688	-	12,562	17,871
122	Other Production	Lytal	A.0001545.307	CHC4C-Inst Onln Vib Mntr Sys	2,424	1,342	-	0	1,082
123	Other Production	Lytal	A.0001545.112	CHC4C-Upg CEMSs Foxboro Sys	783	-	-	-	783
124	Other Production	Lytal	A.0001577.018	HLW-Breaker Replacement	0	(17,027)	(3,619)	-	20,646
125	Other Production	Lytal	A.0001590.010	GMS0C-Hot Oil GasLine Htr Rmvl	(2)	3	-	-	(5)
126	Other Production	Lytal	A.0001545.133	CHC4C Generator Seed Rotor	(986)	-	-	-	(986)
127	Other Production	Lytal	A.0001563.505	SWF-2021 PCMM	(6,044)	(5,876)	-	-	(169)
128	Other Production	Lytal	A.0001545.124	CHC3C-Rpl Compressor	(25,833)	157	-	-	(25,990)
129	Other Production	Lytal	A.0001545.129	CHC4C-Rewind Generator	(1,081,016)	(171)	0	-	(1,080,845)
130	Electric Transmission	Lytal	A.0001402.002	Tolk T2 345/230 Xfmr Expansion	12,253,132	923,208	1,028,180	104,197	10,197,547
131	Electric Transmission	Lytal	A.0001402.005	Tierra Blanca 115kV Cap Bank	3,802,253	474,487	166,044	(3,655)	3,165,377
132	Electric Transmission	Lytal	A.0001402.017	Tolk Spare 345kV XFMR	3,046,417	96,840	56,400	2,468,940	424,236
133	Electric Transmission	Lytal	A.0001402.019	J15 ReTerm Line, Tolk	811,953	28,338	204,900	50,879	527,835
134	Electric Transmission	Lytal	A.0001402.020	Crossroads Relay Upgrade, J15 Term	381,818	35,960	118,679	56,128	171,051
135	Electric Transmission	Lytal	A.0001402.018	Tuco 230kV Cap Bank 1	150,495	8,948	86,360	15,251	39,937
136	Electric Transmission	Lytal	A.0001598.001	TOL1C-Synchronous Condenser	142,865	-	10,520	132,345	-
137	Electric Transmission	Lytal	A.0001577.019	HLW Breaker Replacement	104,792	23,092	75,102	433	6,164
138	Electric Transmission	Lytal	A.0001402.012	T59 NM	97,186	433	24,682	102,717	(30,646)
139	Electric Transmission	Lytal	A.0001598.003	TOL1C-Synchronous Condenser	89,542	27,184	13,945	37,523	10,889
140	Electric Transmission	Lytal	A.0001563.011	SWF Crossroads 345KV Term Sub Upg T	74,894	-	-	74,835	58
141	Electric Transmission	Lytal	A.0001402.009	K21 Deaf Smith Plant X Upgrade	43,047	858	0	(0)	42,190
142	Electric Transmission	Lytal	A.0001563.024	Sagamore - Collector Sub North	6,353	74	6,056	217	5
143	Electric Transmission	Lytal	A.0001563.012	Sagamore- Collector Sub South	4,208	-	4,208	-	-
144	Electric Transmission	Lytal	A.0001577.012	Hale-230KV Overhead Bus to Tuco Sub	1,462	-	1,320	19	123
145	Electric Transmission	Lytal	A.0001563.013	Sagamore-TSG North 345KV	(83)	-	-	-	(83)
146	Electric Transmission	Lytal	A.0001598.004	TOL2C-Synchronous Condenser	(10,863)	203	(9,901)	-	(1,165)
147	Electric Transmission	Lytal	A.0001402.007	K91 Newhart Plant X Upgrade	(26,785)	-	-	-	(26,785)
148	Electric Transmission	Lytal	A.0001402.011	K42 Tolk Tuco Upgrade	(33,366)	-	-	-	(33,366)

Southwestern Public Service Company

Energy Supply Capital Additions by Work Order 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
149	Electric Transmission	Lytal	A.0001563.010	SWF Crossroads 345KV Term Sub Upg	(74,894)	-	-	(74,835)	(58)
150	Electric Transmission	Lytal	A.0001402.004	Crossroads Sub 345kV Cap Bank	(141,349)	924	63	(0)	(142,336)
151	Electric Transmission	Lytal	A.0001402.008	T59 Deaf Smith Curry Upgrade	(691,489)	17,968	(0)	(110,630)	(598,826)
152	Electric General	Lytal	A.0003000.764	SWF: Sagamore Wind - Tools & Equip	114,108	-	-	114,305	(196)
153	Electric General	Lytal	A.0003000.668	HAR0C-Purch Plant Tools	51,517	-	-	67,768	(16,251)
154	Electric General	Lytal	A.0003000.763	HLW: Hale Wind - Tools & Equip	42,649	-	-	42,919	(270)
155	Electric General	Lytal	A.0003000.675	NIC0C-Purch Plant Tools	18,651	-	-	16,407	2,244
156	Electric General	Lytal	A.0003000.688	GMS0C-Training Tools	12,177	-	-	-	12,177
157	Electric General	Lytal	A.0003000.692	GMS0C-MMR Instruments	3,847	-	-	-	3,847
158	Electric Intangible	Lytal	A.0001577.017	Hale PCMM	307,989	-	-	-	307,989
159	Grand Total				\$ 66,649,771	\$ 6,525,322	\$ 23,660,122	\$ 19,491,383	\$ 16,972,943

Southwestern Public Service Company

Energy Supply Capital Additions by Work Order for the Linkage Period of July 1, 2022, through June 30, 2023
Plant Additions by Asset Class and Witness

	(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	Steam Production	Lytal	Reliability & Performance Enhancement	10695688	E&S Electric Production	Routine	\$ 2,670	\$ 1,027
2	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.051	MAD0C-Rpl Waterwells	9/22/2022	160,162	61,616
3	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.053	MAD1C-Rpl Circ Exp Joints	8/15/2022	623	240
4	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.090	MAD1C-Install XFMR DGA monitor	9/30/2022	38,908	14,968
5	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.096	MAD0C-Rpl WW Controls -23960	5/31/2022	269,479	103,672
6	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.103	MAD1C-Rpl Throttle Vlv Actuators -2	11/30/2022	47,939	18,443
7	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.105	MAD1C-Install SU XFMR DGA -24180	9/30/2022	56,516	21,742
8	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.114	MAD1C Rpl Preheat Expan Joint-24793	6/28/2022	70,887	27,271
9	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.115	MAD1 Turbine Rebuild	9/30/2022	3,151,335	1,212,360
10	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.500	MAD Emergent Fund -Steam prod	Routine	801,342	308,287
11	Steam Production	Lytal	Environmental Compliance	A.0001534.156	PLX0C-Potable Water-20415	12/8/2022	7,618	2,931
12	Steam Production	Lytal	Environmental Compliance	A.0001534.165	PLX4C-CEMS Upgrade-17059	9/1/2021	210,244	80,884
13	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.194	PLX3C-X3 Replace drum level indicat	11/30/2019	10,003	3,848
14	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.209	PLX3C Rpl East Waterwall Tubes	3/1/2020	1,054	406
15	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.213	PLX4C-Upgrade WIN10 DCS -23947	6/15/2022	21,325	8,204
16	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.227	PLX4 Prch & Install New GSU XFMR	5/1/2023	362,818	139,581
17	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500	PLX Emergent Fund -Steam prod	Routine	1,410,485	542,632
18	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.091	CHC0C-Rep Water Wells 2022	10/10/2022	165,343	63,610
19	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.136	CHC2C-Upg Fox Support Stations -239	10/11/2021	1,243	478
20	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.270	CHC0C-Install XFMR DGA monitor	10/4/2022	54,997	21,158
21	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.271	CHC0C-Blowdown Line	10/21/2022	192,226	73,952
22	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.275	CHC2C-Install XFMR DGA monitor	12/9/2021	1,243	478
23	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500	CHC Emergent Fund -Steam prod	Routine	588,371	226,354
24	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.002	GMS0C Investment Recovery Cap	12/30/2014	19,039	7,325
25	Steam Production	Lytal	Environmental Compliance	A.0001550.238	HAR2C-H2 Rebag Partial 2022	5/12/2022	176,091	67,745
26	Steam Production	Lytal	Environmental Compliance	A.0001550.239	HAR3C-H3 Rebag Partial 2022	10/13/2022	220,054	84,658
27	Steam Production	Lytal	Environmental Compliance	A.0001550.240	HAR3C-H3 Rebag Partial 2023	4/24/2023	171,517	65,985
28	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.248	HAR1C-Rpld Drag Chain CONV	11/1/2022	878	338
29	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.253	HAR1C-Rpl Drag Chain 2022	11/22/2022	151,379	58,237
30	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.265	HAR2C-Mill A Major Major OH	8/1/2019	28,406	10,928
31	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.390	HAR1C-H1 Rpl Burners	6/17/2022	622	239
32	Steam Production	Lytal	Environmental Compliance	A.0001550.396	HAR0C-Install CEMS Compressor	10/31/2021	448,922	172,706
33	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.398	HAR0C-Inst. Air Monitoring Sys	12/31/2022	214,588	82,555
34	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.400	HAR1C-Rpl Steam Cooled Spacer Tubes	7/5/2022	622	239
35	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.410	HAR3C-Rpl Failed Circ liner	4/1/2022	(0)	(0)
36	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.413	HAR3C-Inst Maint Switch on MV Bkrs	10/24/2022	136,944	52,684
37	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.445	HAR1C-Rpl Station Batteries	4/24/2022	622	239
38	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.465	HAR1C-Rpl CT Acid Tank	2/26/2022	93,461	35,956
39	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.476	HAR3C-Rpl CT Acid Tank	11/23/2021	9,843	3,787
40	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.485	HAR1C-H1 Instl Sootblwr Isol Vlvs	10/10/2022	626	241

Southwestern Public Service Company

Energy Supply Capital Additions by Work Order for the Linkage Period of July 1, 2022, through June 30, 2023
Plant Additions by Asset Class and Witness

	(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
41	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.488	HAR1C-HI Generator Rewedge	5/15/2022	622	239
42	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.490	HAR1C-Upg Cntrls Support Stations -	7/12/2022	45,333	17,440
43	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.492	HAR1C-Rpl Digital Vlv Controllers -	5/31/2022	96,699	37,201
44	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.494	HAR1-Inst DGA -24156	6/28/2023	61,623	23,707
45	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500	HAR Emergent Fund -Steam prod	Routine	3,762,964	1,447,662
46	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.502	HAR3C-Upg Cntrls Support Stns -2394	6/15/2022	26,795	10,309
47	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.503	HAR0C-Rpl Resv Cool Wat Sys -23918	7/11/2022	894,054	343,954
48	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.513	HAR0C Rpl Freight Elvtr Cntrls-2463	10/11/2022	117,672	45,270
49	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.514	HAR0C SUXFMR Install DGA-24390	7/17/2022	90,345	34,757
50	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.517	HAR1C Rpl Cmpsr Rm N Air Dryr-24600	10/17/2022	54,116	20,819
51	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.520	HAR1C Rpl Stack Elvtr Cntrls-24637	10/11/2022	112,756	43,379
52	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.521	HAR1C Rpl StartUp ByPass Vlv-24597	10/10/2022	77,625	29,863
53	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.522	HAR2C 4.1kV NSXFMR Inst DGA-24389	8/1/2022	29,677	11,417
54	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.524	HAR2C Rpl Condste Xfr Pmps-24755	10/28/2022	80,330	30,904
55	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.534	HAR2 Rbld MBFP Rot Elemnt-25195	7/28/2022	612,032	235,457
56	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.535	HAR2 Rpl Boiler Tilt Drvs-25196	3/28/2023	106,624	41,020
57	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.536	HAR2 Rpl E&W RH Spry Blk Vlvs-25103	5/10/2022	26,154	10,062
58	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.537	HAR2 Rpl E&W RH Spry CV-25102	5/12/2022	40,624	15,629
59	Steam Production	Lytal	Environmental Compliance	A.0001550.538	HAR0 Reline Pond 3	11/15/2022	4,431,113	1,704,708
60	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.540	HAR2 Turbine Vlv Upgrds-25950	6/1/2023	371,423	142,891
61	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.543	HAR2-Instl CT Bypass-26044	5/15/2023	501,305	192,859
62	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.049	TOL1C-Inst Tubine OS Protect	6/1/2022	947,201	364,401
63	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.224	TOL2C-Rpr MillF GearBx & Journ	12/15/2022	1,319,455	507,612
64	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.225	TOL1C-Rpr MillE GearBx &Jrmls	10/14/2022	296,263	113,976
65	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.247	TOL0C-Rpl Water Well Pmp 2022	10/27/2022	107,770	41,461
66	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.411	TOL0C-Inst Flush Line for Recirc Pm	5/30/2022	1,243	478
67	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.416	TOL0C-rpl N fire pump	12/15/2022	112,657	43,340
68	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.423	TOL1C-BFP duplex filter	9/20/2022	94,205	36,242
69	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.442	TOL1C-Upg Cntrl Supt Computers -242	5/28/2022	244,697	94,138
70	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.447	TOL2C-Upg Cntrl Supt Computers -242	5/8/2023	80,458	30,953
71	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.459	TOL1C Gen Bkr Failure Relay-24760	10/1/2022	17,711	6,814
72	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.465	TOL2C Boiler Elevator Cntrls-24763	10/13/2022	476,362	183,263
73	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.466	TOL2C Cooling Twr MakeUp Vlvs-24762	6/28/2022	13,968	5,373
74	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.467	TOL2C Gen Bkr Failure Relay-24761	10/4/2022	34,031	13,092
75	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.475	TOL1 Stack FAA Lighting Rpl	10/11/2022	146,736	56,451
76	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.476	TOL2 Stack FAA Lighting Rpl	10/11/2022	138,498	53,282
77	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.478	TOL2 N Bus Cable Rpl-25576	10/15/2022	93,528	35,982
78	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500	TOL Emergent Fund -Steam prod	Routine	2,373,240	913,017
79	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.591	TOL0C-S SBAC	12/20/2022	689,766	265,362
80	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.072	NIC3C-Rewind Generator Stator	12/1/2022	4,302,647	1,655,285

Southwestern Public Service Company

Energy Supply Capital Additions by Work Order for the Linkage Period of July 1, 2022, through June 30, 2023
Plant Additions by Asset Class and Witness

	(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
81	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.089	NIC0C-Rpl #5 AfrTrtmnt pH Aci	6/12/2023	232,062	89,277
82	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.100	NIC3C-N3 Replace CP's	3/30/2022	104,579	40,233
83	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.101	NIC3C-N3 Rpl Foxboror FBM's	12/31/2022	970,473	373,354
84	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.110	NIC1C- Upgrd DCS Opr Stn and CP	6/1/2023	342,478	131,756
85	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.111	NIC2C- Upgrd DCS Opr Stn and CP	6/1/2023	302,589	116,410
86	Steam Production	Lytal	Environmental Compliance	A.0001560.126	NIC0C-HW Rd. WW Trtmt Improv	12/30/2022	15,084,009	5,803,018
87	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.129	NIC3C-Rewind Generator Rotor	12/16/2022	1,410,447	542,618
88	Steam Production	Lytal	Environmental Compliance	A.0001560.134	NIC0C-Install Sprinkler Pivot	10/15/2022	358,268	137,831
89	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.141	NIC3C-Replace Boiler Ignitors	12/31/2022	141,747	54,532
90	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.142	NIC3C-Rpl Control Transmitters	12/31/2022	206,533	79,456
91	Steam Production	Lytal	Environmental Compliance	A.0001560.145	NIC0C-Reline Pond 21 -23919	10/3/2022	1,608,269	618,723
92	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.147	NIC3C-Rpl Cond Tube Clean Sys -2414	11/24/2022	743,765	286,136
93	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.148	NIC3C-Rpl CT Switchgear -24197	12/15/2022	1,485,140	571,353
94	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.150	NIC3C-Rpl SH Out Header Tubes -2414	12/30/2022	1,129,788	434,644
95	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.151	NIC3C-Rpl FWH No4 -24145	12/30/2022	677,453	260,625
96	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.152	NIC3C-BFP Mtr Soft Start Relay -239	12/31/2022	738,906	284,267
97	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.153	NIC3C-Rpl RH Panels -24143	12/30/2022	2,642,721	1,016,689
98	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.156	NIC3C Repl Seemed HE Piping - 16304	12/28/2022	3,077,255	1,183,861
99	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.162	NIC1C 4.16kV NSXFMR Inst DGA-24388	6/6/2022	39,171	15,070
100	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.163	NIC1C MPXFMR Install DGA-24387	6/6/2022	36,158	13,911
101	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.164	NIC1C SUXFMR Install DGA-24810	6/6/2022	42,269	16,262
102	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.165	NIC2C 4.16kV NSXFMR Inst DGA-24385	6/28/2023	88,520	34,055
103	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.166	NIC2C MPXFMR Inst DGA-24386	5/28/2023	89,729	34,520
104	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.171	NIC3C Rpl Cond Pmp Sep Tub-24959	10/4/2022	128,535	49,449
105	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.174	NIC3 Rpl Gas Trip Vlv-25316	5/11/2023	22,691	8,729
106	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.175	NIC3 Rpl Gen Leak Detec Systm-25199	10/4/2022	329,076	126,600
107	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.177	NIC3 Rpl Emerg Diesel Gen	6/1/2023	1,636	629
108	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.179	NIC0 Truck Bay OvHd Doors Rpl-25961	2/14/2023	4,628	1,781
109	Steam Production	Lytal	Environmental Compliance	A.0001560.181	NIC0 Sprinkler Pivot S4 Rpl-25466	6/28/2023	213,103	81,983
110	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500	NIC Emergent Fund -Steam prod	Routine	1,350,971	519,737
111	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.095	JON0C-Rpl S Inst air comp	9/30/2022	171,924	66,141
112	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.127	JON1C-Rpl Turb Vib Monitoring	3/30/2021	622	239
113	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.157	JON2C-Circ Water Struct Liner	6/9/2023	2,836,974	1,091,421
114	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.300	JON0C-ERT SCBA's Replacement	10/10/2022	86,054	33,106
115	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.304	JON2C-Rpl Normal Source Breakers	5/1/2023	347,118	133,541
116	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.310	JON2C-DA Heater Replacement	4/28/2023	628,247	241,695
117	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.316	JON2C-Upg DCS Operator Stations -23	5/28/2023	362,171	139,332
118	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.317	JON2C-Igniter Flame Detctr Upg -241	3/28/2023	33,315	12,817
119	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.336	JON2C Amertap Screen Upgrd-24639	4/28/2023	881,461	339,110
120	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.337	JON2C Constant Pressure EH Sys-2479	5/31/2023	317,049	121,973

Southwestern Public Service Company

Energy Supply Capital Additions by Work Order for the Linkage Period of July 1, 2022, through June 30, 2023
Plant Additions by Asset Class and Witness

	(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
121	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.340	JON0 Wet Lab HVAC Replacement	9/28/2022	40,204	15,467
122	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.343	JON2 Rpl Nozzle Block on HP Turb	3/28/2023	1,110,340	427,163
123	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.345	JON0 Rpl Hydrogen Gnrtr Chillr-2523	11/8/2022	22,738	8,748
124	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.365	JON1-Rpl FD Fan Room Doors-25849	12/6/2022	37,245	14,328
125	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.366	JON2-Rpl FD Fan Room Doors-25848	3/7/2023	40,851	15,716
126	Steam Production	Lytal	Environmental Compliance	A.0001586.367	JON2-Relocate CEMS Building-25838	6/2/2023	284,375	109,403
127	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.368	JON2-Rpl BFP Oil Coolers-25843	5/15/2023	55,182	21,229
128	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500	JON Emergent Fund -Steam prod	Routine	1,199,820	461,586
129	Steam Production Total						\$ 74,389,427	\$ 28,618,595
130	Other Production	Lytal	Reliability & Performance Enhancement	A.0001529.091	MAD2C-Install XFMR DGA monitor	10/10/2022	\$ 56,181	\$ 21,613
131	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.082	CHC3C-Rpl Exhst Baffles	12/15/2022	2,051,093	789,082
132	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.276	CHC3C-Replace XFMR DGA monitor	11/4/2022	55,113	21,203
133	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.279	CHC4C-Replace XFMR DGA monitor	12/1/2022	55,247	21,254
134	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.501	CHC Emergent Fund -Other prod	Routine	313,786	120,718
135	Other Production	Lytal	New Generation	A.0001563.001	SPS Wind - Sagamore	12/4/2020	6,396,013	2,506,541
136	Other Production	Lytal	New Generation	A.0001563.015	Sagamore-Land & Land Rights	12/31/2020	2	1
137	Other Production	Lytal	Reliability & Performance Enhancement	A.0001563.501	SAGM Emergent Fund-Other	Routine	12,689	4,973
138	Other Production	Lytal	New Generation	A.0001577.002	Hale-Land & Land Rights	10/30/2018	(75)	(30)
139	Other Production	Lytal	Reliability & Performance Enhancement	A.0001577.024	HLW LPS 2 Retrofit	9/30/2022	2,549,625	999,176
140	Other Production	Lytal	Reliability & Performance Enhancement	A.0001577.028	HWF0C: Network Firewall	9/30/2022	40,458	15,855
141	Other Production	Lytal	Reliability & Performance Enhancement	A.0001577.501	HALE Emergent Fund-Other Prod	Routine	12,689	4,973
142	Other Production	Lytal	Reliability & Performance Enhancement	A.0001586.290	JON3C-Inst Onln Vib Mntr Sys	10/31/2021	622	239
143	Other Production	Lytal	Reliability & Performance Enhancement	A.0001586.292	JON4C-Inst Onln Vib Mntr Sys	5/6/2022	41,683	16,036
144	Other Production	Lytal	Reliability & Performance Enhancement	A.0001586.322	JON4C-Rpl Evap Media -23938	5/31/2023	137,076	52,735
145	Other Production	Lytal	Reliability & Performance Enhancement	A.0001586.338	JON4C Double Block Bleed Setup-2419	10/17/2022	302,007	116,186
146	Other Production Total						\$ 12,024,208	\$ 4,690,555
147	Electric Transmission	Lytal	New Generation	A.0001402.016	Tuco Cap Bank 230kV	5/14/2021	\$ 1,434	\$ 552
148	Electric Transmission Total						\$ 1,434	\$ 552
149	Electric General	Lytal	Reliability & Performance Enhancement	A.0001563.034	Sagamore Wind - Kerio Network Firew	9/30/2022	\$ 30,564	\$ 10,761
150	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.218	HAR0C-Purch Plant Tools 2015	Routine	1,169	411
151	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.663	CHC0C-Cunningham Tools	Routine	22,657	7,977
152	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.668	HAR0C-Purch Plant Tools	Routine	78,773	27,734
153	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.673	JON0C-Capital Tools	Routine	57,910	20,389
154	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.674	MAD0C-Purchase Cap Tools	Routine	20,505	7,219
155	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.675	NIC0C-Purch Plant Tools	Routine	21,767	7,664
156	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.677	PLX0C-Purch Misc Plant Tool	Routine	47,589	16,755
157	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.684	TOL0C - Purch Misc Tools	Routine	88,761	31,251

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Energy Supply Capital Additions by Work Order for the Linkage Period of July 1, 2022, through June 30, 2023
Plant Additions by Asset Class and Witness

	(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	
158	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.688	GMS0C-Training Tools	Routine	19,000	6,690	
159	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.689	GMS0C-TX Lab Instruments	Routine	442,311	155,730	
160	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.690	GMS0C-E&C Tools	Routine	4,444	1,565	
161	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.691	GMS0C-TRaC Tools	Routine	104,178	36,679	
162	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.692	GMS0C-MMR Instruments	Routine	22,222	7,824	
163	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.693	GMS0C-PMO Equipment	Routine	20,000	7,042	
164	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.763	HLW: Hale Wind - Tools & Equip	Routine	15,307	5,389	
165	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.764	SWF: Sagamore Wind - Tools & Equip	Routine	298	105	
166	Electric General	Lytal	Reliability & Performance Enhancement	A.0006056.227	GSMOC Purchase Vehicles	Routine	825,964	290,806	
167	Electric General	Lytal	Reliability & Performance Enhancement	A.0006056.359	SPS-TX-Fleet-PHEV-Energy Supply	Routine	38,950	13,714	
168	Electric General Total							\$ 1,862,370	\$ 655,705
169	Electric Intangible	Lytal	Reliability & Performance Enhancement	A.0001712.001	SPS APM Digital Asset Modeling	11/15/2022	\$ 601,873	\$ 211,908	
170	Electric Intangible Total							\$ 601,873	\$ 211,908
171	Grand Total							\$ 88,879,311	\$ 34,177,316

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Energy Supply Capital Additions by Work Order 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	Steam Production	Lytal	A.0001560.126	NIC0C-HW Rd. WW Trtment Improv	\$ 15,084,009	\$ 1,586,175	\$ 7,105,951	\$ 5,346,646	\$ 1,045,238
2	Steam Production	Lytal	A.0001550.538	HAR0 Reline Pond 3	4,431,113	465,958	2,087,461	1,570,643	307,051
3	Steam Production	Lytal	A.0001560.072	NIC3C-Rewind Generator Stator	4,302,647	452,450	2,026,941	1,525,107	298,149
4	Steam Production	Lytal	A.0001550.500	HAR Emergent Fund -Steam prod	3,762,964	395,699	1,772,701	1,333,812	260,752
5	Steam Production	Lytal	A.0001529.115	MAD1 Turbine Rebuild	3,151,335	331,382	1,484,568	1,117,015	218,370
6	Steam Production	Lytal	A.0001560.156	NIC3C Repl Seemed HE Piping - 16304	3,077,255	323,592	1,449,669	1,090,757	213,237
7	Steam Production	Lytal	A.0001586.157	JON2C-Circ Water Struct Liner	2,836,974	298,325	1,336,475	1,005,588	196,586
8	Steam Production	Lytal	A.0001560.153	NIC3C-Rpl RH Panels -24143	2,642,721	277,898	1,244,964	936,733	183,126
9	Steam Production	Lytal	A.0001555.500	TOL Emergent Fund -Steam prod	2,373,240	249,561	1,118,014	841,214	164,452
10	Steam Production	Lytal	A.0001560.145	NIC0C-Reline Pond 21 -23919	1,608,269	169,119	757,642	570,064	111,444
11	Steam Production	Lytal	A.0001560.148	NIC3C-Rpl CT Switchgear -24197	1,485,140	156,172	699,637	526,420	102,912
12	Steam Production	Lytal	A.0001534.500	PLX Emergent Fund -Steam prod	1,410,485	148,321	664,468	499,958	97,739
13	Steam Production	Lytal	A.0001560.129	NIC3C-Rewind Generator Rotor	1,410,447	148,317	664,450	499,944	97,736
14	Steam Production	Lytal	A.0001560.500	NIC Emergent Fund -Steam prod	1,350,971	142,063	636,431	478,862	93,615
15	Steam Production	Lytal	A.0001555.224	TOL2C-Rpr MillF GearBx & Journ	1,319,455	138,749	621,584	467,691	91,431
16	Steam Production	Lytal	A.0001586.500	JON Emergent Fund -Steam prod	1,199,820	126,168	565,225	425,285	83,141
17	Steam Production	Lytal	A.0001560.150	NIC3C-Rpl SH Out Header Tubes -2414	1,129,788	118,804	532,234	400,462	78,288
18	Steam Production	Lytal	A.0001586.343	JON2 Rpl Nozzle Block on HP Turb	1,110,340	116,759	523,072	393,569	76,940
19	Steam Production	Lytal	A.0001560.101	NIC3C-N3 Rpl Foxboror FBM's	970,473	102,051	457,182	343,992	67,248
20	Steam Production	Lytal	A.0001555.049	TOL1C-Inst Tubine OS Protect	947,201	99,604	446,218	335,743	65,636
21	Steam Production	Lytal	A.0001550.503	HAR0C-Rpl Resv Cool Wat Sys -23918	894,054	94,015	421,181	316,905	61,953
22	Steam Production	Lytal	A.0001586.336	JON2C Amertap Screen Upgrd-24639	881,461	92,691	415,249	312,441	61,080
23	Steam Production	Lytal	A.0001529.500	MAD Emergent Fund -Steam prod	801,342	84,266	377,505	284,042	55,529
24	Steam Production	Lytal	A.0001560.147	NIC3C-Rpl Cond Tube Clean Sys -2414	743,765	78,211	350,382	263,633	51,539
25	Steam Production	Lytal	A.0001560.152	NIC3C-BFP Mtr Soft Start Relay -239	738,906	77,700	348,092	261,911	51,202
26	Steam Production	Lytal	A.0001555.591	TOL0C-S SBAC	689,766	72,533	324,943	244,493	47,797
27	Steam Production	Lytal	A.0001560.151	NIC3C-Rpl FWH No4 -24145	677,453	71,238	319,142	240,128	46,944
28	Steam Production	Lytal	A.0001586.310	JON2C-DA Heater Replacement	628,247	66,064	295,962	222,687	43,534
29	Steam Production	Lytal	A.0001550.534	HAR2 Rbld MBFP Rot Elemnt-25195	612,032	64,359	288,323	216,940	42,410
30	Steam Production	Lytal	A.0001545.500	CHC Emergent Fund -Steam prod	588,371	61,871	277,177	208,553	40,771
31	Steam Production	Lytal	A.0001550.543	HAR2-Instl CT Bypass-26044	501,305	52,715	236,161	177,691	34,738
32	Steam Production	Lytal	A.0001555.465	TOL2C Boiler Elevator Cntrls-24763	476,362	50,092	224,410	168,850	33,009
33	Steam Production	Lytal	A.0001550.396	HAR0C-Install CEMS Compressor	448,922	47,207	211,483	159,124	31,108
34	Steam Production	Lytal	A.0001550.540	HAR2 Turbine Vlv Upgrds-25950	371,423	39,057	174,974	131,654	25,738
35	Steam Production	Lytal	A.0001534.227	PLX4 Prch & Install New GSU XFMR	362,818	38,153	170,921	128,604	25,141
36	Steam Production	Lytal	A.0001586.316	JON2C-Upg DCS Operator Stations -23	362,171	38,084	170,616	128,374	25,096
37	Steam Production	Lytal	A.0001560.134	NIC0C-Install Sprinkler Pivot	358,268	37,674	168,777	126,991	24,826

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Energy Supply Capital Additions by Work Order 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
38	Steam Production	Lytal	A.0001586.304	JON2C-Rpl Normal Source Breakers	347,118	36,502	163,525	123,039	24,053
39	Steam Production	Lytal	A.0001560.110	NIC1C- Upgrd DCS Opr Stn and CP	342,478	36,014	161,339	121,394	23,732
40	Steam Production	Lytal	A.0001560.175	NIC3 Rpl Gen Leak Detec System-25199	329,076	34,604	155,025	116,643	22,803
41	Steam Production	Lytal	A.0001586.337	JON2C Constant Pressure EH Sys-2479	317,049	33,340	149,359	112,381	21,970
42	Steam Production	Lytal	A.0001560.111	NIC2C- Upgrd DCS Opr Stn and CP	302,589	31,819	142,547	107,255	20,968
43	Steam Production	Lytal	A.0001555.225	TOL1C-Rpr MillE GearBx & Jrmls	296,263	31,154	139,567	105,013	20,529
44	Steam Production	Lytal	A.0001586.367	JON2-Relocate CEMS Building-25838	284,375	29,904	133,967	100,799	19,706
45	Steam Production	Lytal	A.0001529.096	MAD0C-Rpl WW Controls -23960	269,479	28,337	126,949	95,519	18,673
46	Steam Production	Lytal	A.0001555.442	TOL1C-Upg Cntrl Supt Computers -242	244,697	25,731	115,275	86,735	16,956
47	Steam Production	Lytal	A.0001560.089	NIC0C-Rpl #5 AfrTrtmt pH Aci	232,062	24,403	109,322	82,256	16,081
48	Steam Production	Lytal	A.0001550.239	HAR3C-H3 Rebag Partial 2022	220,054	23,140	103,666	78,000	15,249
49	Steam Production	Lytal	A.0001550.398	HAR0C-Inst. Air Monitoring Sys	214,588	22,565	101,090	76,062	14,870
50	Steam Production	Lytal	A.0001560.181	NIC0 Sprinkler Pivot S4 Rpl-25466	213,103	22,409	100,391	75,536	14,767
51	Steam Production	Lytal	A.0001534.165	PLX4C-CEMS Upgrade-17059	210,244	22,108	99,044	74,523	14,569
52	Steam Production	Lytal	A.0001560.142	NIC3C-Rpl Control Transmitters	206,533	21,718	97,296	73,207	14,312
53	Steam Production	Lytal	A.0001545.271	CHC0C-Blowdown Line	192,226	20,214	90,556	68,136	13,320
54	Steam Production	Lytal	A.0001550.238	HAR2C-H2 Rebag Partial 2022	176,091	18,517	82,955	62,417	12,202
55	Steam Production	Lytal	A.0001586.095	JON0C-Rpl S Inst air comp	171,924	18,079	80,992	60,940	11,913
56	Steam Production	Lytal	A.0001550.240	HAR3C-H3 Rebag Partial 2023	171,517	18,036	80,800	60,795	11,885
57	Steam Production	Lytal	A.0001545.091	CHC0C-Rep Water Wells 2022	165,343	17,387	77,892	58,607	11,457
58	Steam Production	Lytal	A.0001529.051	MAD0C-Rpl Waterwells	160,162	16,842	75,451	56,771	11,098
59	Steam Production	Lytal	A.0001550.253	HAR1C-Rpl Drag Chain 2022	151,379	15,918	71,313	53,657	10,490
60	Steam Production	Lytal	A.0001555.475	TOL1 Stack FAA Lighting Rpl	146,736	15,430	69,126	52,012	10,168
61	Steam Production	Lytal	A.0001560.141	NIC3C-Replace Boiler Ignitors	141,747	14,906	66,776	50,243	9,822
62	Steam Production	Lytal	A.0001555.476	TOL2 Stack FAA Lighting Rpl	138,498	14,564	65,245	49,092	9,597
63	Steam Production	Lytal	A.0001550.413	HAR3C-Inst Maint Switch on MV Bkrs	136,944	14,401	64,513	48,541	9,489
64	Steam Production	Lytal	A.0001560.171	NIC3C Rpl Cond Pmp Scp Tub-24959	128,535	13,516	60,552	45,560	8,907
65	Steam Production	Lytal	A.0001550.513	HAR0C Rpl Freight Elvtr Cntrls-2463	117,672	12,374	55,434	41,710	8,154
66	Steam Production	Lytal	A.0001550.520	HAR1C Rpl Stack Elvtr Cntrls-24637	112,756	11,857	53,118	39,967	7,813
67	Steam Production	Lytal	A.0001555.416	TOL0C-rpl N fire pump	112,657	11,847	53,072	39,932	7,806
68	Steam Production	Lytal	A.0001555.247	TOL0C-Rpl Water Well Pmp 2022	107,770	11,333	50,770	38,200	7,468
69	Steam Production	Lytal	A.0001550.535	HAR2 Rpl Boiler Tilt Drvs-25196	106,624	11,212	50,230	37,794	7,388
70	Steam Production	Lytal	A.0001560.100	NIC3C-N3 Replace CP's	104,579	10,997	49,266	37,069	7,247
71	Steam Production	Lytal	A.0001550.492	HAR1C-Rpl Digital Vlv Controllers -	96,699	10,168	45,554	34,276	6,701
72	Steam Production	Lytal	A.0001555.423	TOL1C-BFP duplex filter	94,205	9,906	44,379	33,392	6,528
73	Steam Production	Lytal	A.0001555.478	TOL2 N Bus Cable Rpl-25576	93,528	9,835	44,060	33,152	6,481
74	Steam Production	Lytal	A.0001550.465	HAR1C-Rpl CT Acid Tank	93,461	9,828	44,029	33,128	6,476

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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)	Linkage Period Total	Linkage Period Labor	Linkage Period Contract Work	Linkage Period Supplies and Materials	Linkage Period Other
75	Steam Production	Lytal	A.0001550.514	HAR0C SUXFMR Install DGA-24390	90,345	9,500	42,561	32,024	6,260
76	Steam Production	Lytal	A.0001560.166	NIC2C MPXFMR Inst DGA-24386	89,729	9,436	42,271	31,805	6,218
77	Steam Production	Lytal	A.0001560.165	NIC2C 4.16kV NSXFMR Inst DGA-24385	88,520	9,308	41,701	31,377	6,134
78	Steam Production	Lytal	A.0001586.300	JON0C-ERT SCBA's Replacement	86,054	9,049	40,539	30,503	5,963
79	Steam Production	Lytal	A.0001555.447	TOL2C-Upg Cntrl Supt Computers -242	80,458	8,461	37,903	28,519	5,575
80	Steam Production	Lytal	A.0001550.524	HAR2C Rpl Condste Xfr Pmps-24755	80,330	8,447	37,843	28,474	5,566
81	Steam Production	Lytal	A.0001550.521	HAR1C Rpl StartUp ByPass Vlv-24597	77,625	8,163	36,568	27,515	5,379
82	Steam Production	Lytal	A.0001529.114	MAD1C Rpl Preheat Expan Joint-24793	70,887	7,454	33,394	25,126	4,912
83	Steam Production	Lytal	A.0001550.494	HAR1-Inst DGA -24156	61,623	6,480	29,030	21,843	4,270
84	Steam Production	Lytal	A.0001529.105	MAD1C-Install SU XFMR DGA -24180	56,516	5,943	26,624	20,032	3,916
85	Steam Production	Lytal	A.0001586.368	JON2-Rpl BFP Oil Coolers-25843	55,182	5,803	25,996	19,560	3,824
86	Steam Production	Lytal	A.0001545.270	CHC0C-Install XFMR DGA monitor	54,997	5,783	25,909	19,494	3,811
87	Steam Production	Lytal	A.0001550.517	HAR1C Rpl Cmpsr Rm N Air Dryr-24600	54,116	5,691	25,493	19,182	3,750
88	Steam Production	Lytal	A.0001529.103	MAD1C-Rpl Throttle Vlv Actuators -2	47,939	5,041	22,584	16,992	3,322
89	Steam Production	Lytal	A.0001550.490	HAR1C-Upg Cntrls Support Stations -	45,333	4,767	21,356	16,069	3,141
90	Steam Production	Lytal	A.0001560.164	NIC1C SUXFMR Install DGA-24810	42,269	4,445	19,913	14,983	2,929
91	Steam Production	Lytal	A.0001586.366	JON2-Rpl FD Fan Room Doors-25848	40,851	4,296	19,245	14,480	2,831
92	Steam Production	Lytal	A.0001550.537	HAR2 Rpl E&W RH Spry CV-25102	40,624	4,272	19,138	14,399	2,815
93	Steam Production	Lytal	A.0001586.340	JON0 Wet Lab HVAC Replacement	40,204	4,228	18,940	14,250	2,786
94	Steam Production	Lytal	A.0001560.162	NIC1C 4.16kV NSXFMR Inst DGA-24388	39,171	4,119	18,453	13,885	2,714
95	Steam Production	Lytal	A.0001529.090	MAD1C-Install XFMR DGA monitor	38,908	4,091	18,329	13,791	2,696
96	Steam Production	Lytal	A.0001586.365	JON1-Rpl FD Fan Room Doors-25849	37,245	3,916	17,546	13,202	2,581
97	Steam Production	Lytal	A.0001560.163	NIC1C MPXFMR Install DGA-24387	36,158	3,802	17,034	12,817	2,506
98	Steam Production	Lytal	A.0001555.467	TOL2C Gen Bkr Failure Relay-24761	34,031	3,579	16,032	12,062	2,358
99	Steam Production	Lytal	A.0001586.317	JON2C-Igniter Flame Detctr Upg -241	33,315	3,503	15,694	11,809	2,309
100	Steam Production	Lytal	A.0001550.522	HAR2C 4.1kV NSXFMR Inst DGA-24389	29,677	3,121	13,981	10,519	2,056
101	Steam Production	Lytal	A.0001550.265	HAR2C-Mill A Major Major OH	28,406	2,987	13,382	10,069	1,968
102	Steam Production	Lytal	A.0001550.502	HAR3C-Upg Cntrls Support Stns -2394	26,795	2,818	12,623	9,498	1,857
103	Steam Production	Lytal	A.0001550.536	HAR2 Rpl E&W RH Spry Blk Vlvs-25103	26,154	2,750	12,321	9,270	1,812
104	Steam Production	Lytal	A.0001586.345	JON0 Rpl Hydrogen Gnrrr Chillr-2523	22,738	2,391	10,712	8,060	1,576
105	Steam Production	Lytal	A.0001560.174	NIC3 Rpl Gas Trip Vlv-25316	22,691	2,386	10,689	8,043	1,572
106	Steam Production	Lytal	A.0001534.213	PLX4C-Upgrade WIN10 DCS -23947	21,325	2,242	10,046	7,559	1,478
107	Steam Production	Lytal	A.0001550.002	GMS0C Investment Recovery Cap	19,039	2,002	8,969	6,749	1,319
108	Steam Production	Lytal	A.0001555.459	TOL1C Gen Bkr Failure Relay-24760	17,711	1,862	8,344	6,278	1,227
109	Steam Production	Lytal	A.0001555.466	TOL2C Cooling Twr MakeUp Vlvs-24762	13,968	1,469	6,580	4,951	968
110	Steam Production	Lytal	A.0001534.194	PLX3C-X3 Replace drum level indicat	10,003	1,052	4,712	3,546	693
111	Steam Production	Lytal	A.0001550.476	HAR3C-Rpl CT Acid Tank	9,843	1,035	4,637	3,489	682

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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)	Linkage Period Total	Linkage Period Labor	Linkage Period Contract Work	Linkage Period Supplies and Materials	Linkage Period Other
112	Steam Production	Lytal	A.0001534.156	PLX0C-Potable Water-20415	7,618	801	3,589	2,700	528
113	Steam Production	Lytal	A.0001560.179	NIC0 Truck Bay OvHd Doors Rpl-25961	4,628	487	2,180	1,641	321
114	Steam Production	Lytal	10695688	E&S Electric Production	2,670	281	1,258	947	185
115	Steam Production	Lytal	A.0001560.177	NIC3 Rpl Emerg Diesel Gen	1,636	172	770	580	113
116	Steam Production	Lytal	A.0001545.275	CHC2C-Install XFMR DGA monitor	1,243	131	586	441	86
117	Steam Production	Lytal	A.0001555.411	TOL0C-Inst Flush Line for Recirc Pm	1,243	131	586	441	86
118	Steam Production	Lytal	A.0001545.136	CHC2C-Upg Fox Support Stations -239	1,243	131	586	441	86
119	Steam Production	Lytal	A.0001534.209	PLX3C Rpl East Waterwall Tubes	1,054	111	497	374	73
120	Steam Production	Lytal	A.0001550.248	HAR1C-Rbld Drag Chain CONV	878	92	414	311	61
121	Steam Production	Lytal	A.0001550.485	HAR1C-H1 Instl Sootblwr Isol Vlvs	626	66	295	222	43
122	Steam Production	Lytal	A.0001529.053	MAD1C-Rpl Circ Exp Joints	623	66	294	221	43
123	Steam Production	Lytal	A.0001550.400	HAR1C-Rpl Steam Cooled Spacer Tubes	622	65	293	220	43
124	Steam Production	Lytal	A.0001550.390	HAR1C-H1 Rpl Burners	622	65	293	220	43
125	Steam Production	Lytal	A.0001586.127	JON1C-Rpl Turb Vib Monitoring	622	65	293	220	43
126	Steam Production	Lytal	A.0001550.445	HAR1C-Rpl Station Batteries	622	65	293	220	43
127	Steam Production	Lytal	A.0001550.488	HAR1C-H1 Generator Rewedge	622	65	293	220	43
128	Steam Production	Lytal	A.0001550.410	HAR3C-Rpl Failed Circ liner	(0)	(0)	(0)	(0)	(0)
129	Other Production	Lytal	A.0001563.001	SPS Wind - Sagamore	6,396,013	672,580	3,013,108	2,267,117	443,208
130	Other Production	Lytal	A.0001577.024	HLW LPS 2 Retrofit	2,549,625	268,109	1,201,107	903,735	176,675
131	Other Production	Lytal	A.0001545.082	CHC3C-Rpl Exhst Baffles	2,051,093	215,685	966,253	727,026	142,129
132	Other Production	Lytal	A.0001545.501	CHC Emergent Fund -Other prod	313,786	32,996	147,822	111,224	21,744
133	Other Production	Lytal	A.0001586.338	JON4C Double Block Bleed Setup-2419	302,007	31,758	142,273	107,049	20,927
134	Other Production	Lytal	A.0001586.322	JON4C-Rpl Evap Media -23938	137,076	14,414	64,575	48,588	9,499
135	Other Production	Lytal	A.0001529.091	MAD2C-Install XFMR DGA monitor	56,181	5,908	26,466	19,914	3,893
136	Other Production	Lytal	A.0001545.279	CHC4C-Replace XFMR DGA monitor	55,247	5,810	26,026	19,583	3,828
137	Other Production	Lytal	A.0001545.276	CHC3C-Replace XFMR DGA monitor	55,113	5,796	25,963	19,535	3,819
138	Other Production	Lytal	A.0001586.292	JON4C-Inst Onln Vib Mntr Sys	41,683	4,383	19,637	14,775	2,888
139	Other Production	Lytal	A.0001577.028	HWF0C: Network Firewall	40,458	4,254	19,059	14,341	2,804
140	Other Production	Lytal	A.0001563.501	SAGM Emergent Fund-Other	12,689	1,334	5,978	4,498	879
141	Other Production	Lytal	A.0001577.501	HALE Emergent Fund-Other Prod	12,689	1,334	5,978	4,498	879
142	Other Production	Lytal	A.0001586.290	JON3C-Inst Onln Vib Mntr Sys	622	65	293	220	43
143	Other Production	Lytal	A.0001563.015	Sagamore-Land & Land Rights	2	0	1	1	0
144	Other Production	Lytal	A.0001577.002	Hale-Land & Land Rights	(75)	(8)	(36)	(27)	(5)
145	Electric Transmission	Lytal	A.0001402.016	Tuco Cap Bank 230kV	1,434	129	408	150	748
146	Electric General	Lytal	A.0006056.227	GSMOC Purchase Vehicles	825,964	71,871	299,875	279,981	174,237
147	Electric General	Lytal	A.0003000.689	GMS0C-TX Lab Instruments	442,311	38,488	160,586	149,932	93,306
148	Electric General	Lytal	A.0003000.691	GMS0C-TRaC Tools	104,178	9,065	37,823	35,314	21,976

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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
149	Electric General	Lytal	A.0003000.684	TOL0C - Purch Misc Tools	88,761	7,723	32,226	30,088	18,724
150	Electric General	Lytal	A.0003000.668	HAR0C-Purch Plant Tools	78,773	6,854	28,599	26,702	16,617
151	Electric General	Lytal	A.0003000.673	JON0C-Capital Tools	57,910	5,039	21,025	19,630	12,216
152	Electric General	Lytal	A.0003000.677	PLX0C-Purch Misc Plant Tool	47,589	4,141	17,278	16,132	10,039
153	Electric General	Lytal	A.0006056.359	SPS-TX-Fleet-PHEV-Energy Supply	38,950	3,389	14,141	13,203	8,216
154	Electric General	Lytal	A.0001563.034	Sagamore Wind - Kerio Network Firew	30,564	2,660	11,097	10,360	6,448
155	Electric General	Lytal	A.0003000.663	CHC0C-Cunningham Tools	22,657	1,972	8,226	7,680	4,780
156	Electric General	Lytal	A.0003000.692	GMS0C-MMR Instruments	22,222	1,934	8,068	7,533	4,688
157	Electric General	Lytal	A.0003000.675	NIC0C-Purch Plant Tools	21,767	1,894	7,903	7,379	4,592
158	Electric General	Lytal	A.0003000.674	MAD0C-Purchase Cap Tools	20,505	1,784	7,444	6,951	4,325
159	Electric General	Lytal	A.0003000.693	GMS0C-PMO Equipment	20,000	1,740	7,261	6,779	4,219
160	Electric General	Lytal	A.0003000.688	GMS0C-Training Tools	19,000	1,653	6,898	6,441	4,008
161	Electric General	Lytal	A.0003000.763	HLW: Hale Wind - Tools & Equip	15,307	1,332	5,558	5,189	3,229
162	Electric General	Lytal	A.0003000.690	GMS0C-E&C Tools	4,444	387	1,614	1,507	938
163	Electric General	Lytal	A.0003000.218	HAR0C-Purch Plant Tools 2015	1,169	102	424	396	247
164	Electric General	Lytal	A.0003000.764	SWF: Sagamore Wind - Tools & Equip	298	26	108	101	63
165	Electric Intangible	Lytal	A.0001712.001	SPS APM Digital Asset Modeling	601,873	36,189	234,747	493	330,445
166	Grand Total				\$ 88,879,311	\$ 9,285,290	\$ 41,620,050	\$ 31,261,929	\$ 6,712,043

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**Energy Supply Capital Additions by Work Order for the Future Test Year Period of July 1, 2023, through June 30, 2024
Plant Additions by Asset Class and Witness**

	(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	Steam Production	Lytal	Environmental Compliance	A.0001529.116	MAD0 Remediation Wtr Wells-26151	11/15/2023	\$ 1,017,634	\$ 391,497
2	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001529.500	MAD Emergent Fund -Steam prod	Routine	751,715	289,195
3	Steam Production	Lytal	Environmental Compliance	A.0001534.229	PLX4C Rpl Pivot 41 Pad-25033	10/3/2023	47,631	18,324
4	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.231	PLX0 Over Pressure Protect-26157	9/29/2023	404,840	155,747
5	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.232	PLX0 ERT Bunker Gear Rpl-26154	10/17/2023	43,680	16,804
6	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.233	PLX0 X ERT SCBA Rpl-26155	10/17/2023	57,394	22,080
7	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001534.500	PLX Emergent Fund -Steam prod	Routine	789,960	303,908
8	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.092	CHC0C-Rep Water Wells Mtr 2023	10/9/2023	172,690	66,436
9	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.137	CHC2-Rewedge Gen Stator -24168	10/25/2023	407,941	156,940
10	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.138	CHC2C-Upp Fox CPs & Software -23954	6/14/2024	352,416	135,579
11	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.140	CHC0C-Rpl N House Air Comp -24171	10/18/2023	99,900	38,433
12	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.142	CHC0C-Rpl N Inst Air Comp -24173	8/28/2023	156,476	60,198
13	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.170	CHC0 Add Monitor Wells-26150	11/8/2023	1,507,921	580,117
14	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001545.500	CHC Emergent Fund -Steam prod	Routine	901,232	346,716
15	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.029	HAR2C-H2 Rpl CT MCC s	9/1/2023	764,022	293,930
16	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.266	HAR2C-New Station Batteries	11/6/2023	160,124	61,602
17	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.389	HAR0C-Basement Winterization	3/15/2024	2,322,727	893,584
18	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.451	HAR2C-Rpl #2 HP FWH	12/8/2023	1,862,218	716,420
19	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.483	HAR2C-H2 Generator Rotor Rewind	12/11/2023	1,863,283	716,830
20	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.487	HAR2C-H2 Rpl MBFP Discharge Vlv	12/11/2023	302,108	116,225
21	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.494	HAR1-Inst DGA -24156	6/28/2023	1,500	577
22	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.495	HAR2C-Rpl Gen Bkr FK05 -23929	12/8/2023	390,700	150,308
23	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.496	HAR2C-Upgrade Support Stations -242	10/9/2023	25,396	9,770
24	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.498	HAR2C-Rpl Digital Vlv Controllers -	10/9/2023	157,242	60,493
25	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.500	HAR Emergent Fund -Steam prod	Routine	1,703,277	655,273
26	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.511	HAR0C - NAAQS Pipeline & Rights	8/31/2023	2,493,282	959,199
27	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.512	HAR0C Inst House Air Comp-24756	1/4/2024	639,189	245,905
28	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.515	HAR1C 4.16kV NSXFMR Inst DGA-24392	8/28/2023	92,559	35,609
29	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.516	HAR1C 6.9kV NSXFMR Inst DGA-24391	8/28/2023	92,570	35,613
30	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.523	HAR2C 6.9kV NSXFMR Inst DGA-24393	8/28/2023	90,281	34,732
31	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.525	HAR2C Rpl Start Up ByPass Vlv-24596	11/29/2023	75,983	29,232
32	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.539	HAR2 Rpl Wtr Cooled Spr Tube-25197	12/8/2023	358,932	138,086
33	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.540	HAR2 Turbine Vlv Upgrds-25950	6/1/2023	1,000	385
34	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.541	HAR0 Instl Tornado Shelters-25479	7/28/2023	217,475	83,666
35	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.542	HAR0 Install Backup ACW to IAC-2555	10/3/2023	252,620	97,186
36	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001550.543	HAR2-Instl CT Bypass-26044	5/15/2023	2,500	962
37	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.020	TOL1C-Install CT Film Fill	5/28/2024	2,243,257	863,011
38	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.097	TOL1C-Rpl TD BFP Element	5/23/2024	401,742	154,555
39	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.239	TOL1C-Replace SSC Chain	5/4/2024	158,944	61,148

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Plant Additions by Asset Class and Witness

	(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
40	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.248	TOL0C-Rpl Water Well Pmp 2023	10/27/2023	194,088	74,668
41	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.263	TOL1C-Rbld Mill D Grind Sect	1/15/2024	382,196	147,036
42	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.268	TOL2C-Rbld Mill D Grind Sect	4/1/2024	360,728	138,777
43	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.304	TOL0C- Inst Watef Well Ph 11	10/18/2023	2,041,937	785,560
44	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.357	TOL1C-Nozzleblock Modification	5/19/2024	2,188,381	841,899
45	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.417	TOL0C-Portable Vibration DAS	4/18/2024	32,146	12,367
46	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.438	TOL0C-Emer Diesel Gen Battery -2404	11/8/2023	68,313	26,281
47	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.444	TOL1C-Rpl FD VFDs -23957	11/2/2023	725,141	278,971
48	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.446	TOL2C-Rpl ID Fan VFDs -23950	10/11/2023	930,282	357,892
49	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.447	TOL2C-Upg Cntrl Supt Computers -242	5/8/2023	750	289
50	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.448	TOL2C-Install Fill in CT 24 Cells -	7/20/2023	1,803,739	693,922
51	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.460	TOL1C Rpl Backpass Front Wall-25024	5/20/2024	689,709	265,340
52	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.461	TOL1C RPL Burners-24767	5/20/2024	829,133	318,978
53	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.462	TOL1C Rpl ID VFD Cntrls-23956	5/30/2024	196,317	75,526
54	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.464	TOL1C RPL SH Div Panel Loops-24957	6/20/2024	2,945,592	1,133,208
55	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.470	TOL2C Rpl FD Fan VFDs-23955	10/6/2023	630,652	242,620
56	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.479	TOL1 M&N Bus Cable Rpl-25575	5/8/2024	238,769	91,858
57	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.483	TOL0 ERT Bunker Gear Rpl-26152	10/17/2023	50,791	19,540
58	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.484	TOL0 ERT SCBA Rpl-26153	10/17/2023	92,440	35,563
59	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.485	TOL1 Upgrd TV & IV-26194	6/4/2024	912,872	351,194
60	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.500	TOL Emergent Fund -Steam prod	Routine	630,256	242,468
61	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001555.600	TOL2C-Mill A Grinding Section	5/30/2024	245,696	94,523
62	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.089	NIC0C-Rpl #5 AfrTrtmnt pH Aci	6/12/2023	8,000	3,078
63	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.110	NIC1C- Upgrd DCS Opr Stn and CP	6/1/2023	1,243	478
64	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.111	NIC2C- Upgrd DCS Opr Stn and CP	6/1/2023	1,243	478
65	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.165	NIC2C 4.16kV NSXFMR Inst DGA-24385	6/28/2023	1,500	577
66	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.174	NIC3 Rpl Gas Trip Vlv-25316	5/11/2023	300	115
67	Steam Production	Lytal	Environmental Compliance	A.0001560.181	NIC0 Sprinkler Pivot S4 Rpl-25466	6/28/2023	2,905	1,118
68	Steam Production	Lytal	Environmental Compliance	A.0001560.182	NIC1 CEMs Upgrd-19968	10/3/2023	235,328	90,534
69	Steam Production	Lytal	Environmental Compliance	A.0001560.183	NIC2 CEMs Upgrd-19967	10/3/2023	222,166	85,470
70	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001560.500	NIC Emergent Fund -Steam prod	Routine	898,919	345,826
71	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.039	JON1C-Rpl no 1 HPSI FWH	5/17/2024	1,245,078	478,998
72	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.083	JON1C-Rpl CWP Pmp Dischrg pipe	5/22/2024	237,383	91,324
73	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.157	JON2C-Circ Water Struct Liner	6/9/2023	4,300	1,654
74	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.196	JON1C-Rewedged Generator Stator	4/22/2024	526,809	202,671
75	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.305	JON2C-GSU XFMR DGA	7/28/2023	77,384	29,771
76	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.324	JON2C- Rpl CT Acid Tank -24466	8/28/2023	238,866	91,895
77	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.332	JON0C Articulating Man Lift-24792	6/28/2024	73,962	28,454
78	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.334	JON1C Constant Pressure EH Sys-2479	5/8/2024	407,616	156,815

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Energy Supply Capital Additions by Work Order for the Future Test Year Period of July 1, 2023, through June 30, 2024
Plant Additions by Asset Class and Witness

(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	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.335	JON1C FD Fan Fluid Drive Inst-24789	5/8/2024	452,921	174,245
80	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.342	JON2-Rpl GlnD Stm&Hd Spry Cntrl Vlv	7/25/2023	37,992	14,616
81	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.346	JON2-J2 Rpl LP FWH Lvl Trans	8/1/2023	306,594	117,951
82	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.349	JON2-Rpl FD Fan Fld Drv Cooler-2597	10/17/2023	117,972	45,385
83	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.350	JON0-Rpl Boiler Blowdown Line-25852	7/28/2023	356,591	137,185
84	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.351	JON0-Rpl Floor in Wtr Trtr and CR-2	12/5/2023	109,592	42,162
85	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.352	JON3-Repl Vib Comb Dynamics System-2	2/7/2024	182,903	70,365
86	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.353	JON0-Rpl ERT Bunker Gear-25967	2/14/2024	166,811	64,175
87	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.354	JON0-Equipment Building-25841	1/1/2024	253,019	97,340
88	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.355	JON1-Rpl Overhead Crane Bay Door-25	9/25/2023	47,367	18,223
89	Steam Production	Lytal	Environmental Compliance	A.0001586.356	JON1-Relocate CEMS Building-25839	6/4/2024	751,616	289,157
90	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.357	JON1-Upgrade DCS Operator Stations-	6/4/2024	535,783	206,123
91	Steam Production	Lytal	Environmental Compliance	A.0001586.367	JON2-Relocate CEMS Building-25838	6/2/2023	2,080	800
92	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.368	JON2-Rpl BFP Oil Coolers-25843	5/15/2023	2,500	962
93	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.369	JON0-ERT Building-25842	10/13/2023	621,046	238,924
94	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.370	JON4-Repl Vib Comb Dynamics System-2	7/4/2023	132,362	50,921
95	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.371	JON2-Rpl Cond Pump Fld Drv Cooler-2	10/10/2023	94,273	36,268
96	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.372	JON0 Over Pressure Project-26156	9/29/2023	404,840	155,747
97	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.373	JON1 RH Panels Rpl-26237	5/17/2024	2,467,505	949,282
98	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.374	JON2 RH Panels Rpl-26238	5/17/2024	2,467,505	949,282
99	Steam Production	Lytal	Reliability & Performance Enhancement	A.0001586.500	JON Emergent Fund -Steam prod	Routine	2,417,181	929,921
100	Steam Production Total						\$ 55,685,746	\$ 21,423,042
101	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.268	CHC4C-Rpl Hot Gas Path Components	11/29/2023	\$ 9,953,981	\$ 3,829,428
102	Other Production	Lytal	Reliability & Performance Enhancement	A.0001545.501	CHC Emergent Fund -Other prod	Routine	38,597	14,849
103	Other Production	Lytal	Reliability & Performance Enhancement	A.0001563.501	SAGM Emergent Fund-Other	Routine	88,813	34,805
104	Other Production	Lytal	Reliability & Performance Enhancement	A.0001577.501	HALE Emergent Fund-Other Prod	Routine	88,813	34,805
105	Other Production	Lytal	Reliability & Performance Enhancement	A.0001586.019	JON3C-Rpl Exhaust Baffles	7/10/2023	411,970	158,490
106	Other Production	Lytal	Reliability & Performance Enhancement	A.0001586.293	JON4C-Rpl Hot Path	7/1/2023	12,243,100	4,710,082
107	Other Production	Lytal	Reliability & Performance Enhancement	A.0001586.322	JON4C-Rpl Evap Media -23938	5/31/2023	4,500	1,731
108	Other Production	Lytal	Reliability & Performance Enhancement	A.0001586.339	JON4C Gen Pole Crossover Upgrd-2440	8/28/2023	587,550	226,038
109	Other Production Total						\$ 23,417,324	\$ 9,010,229
110	Electric General	Lytal	Reliability & Performance Enhancement	A.0001550.545	HAR Plant Transportation Equip	Routine	\$ 150,000	\$ 52,812
111	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.663	CHC0C-Cunningham Tools	Routine	24,966	8,790
112	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.668	HAR0C-Purch Plant Tools	Routine	63,265	22,274
113	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.673	JON0C-Capital Tools	Routine	43,631	15,361
114	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.674	MAD0C-Purchase Cap Tools	Routine	29,947	10,544
115	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.675	NIC0C-Purch Plant Tools	Routine	21,315	7,505

Southwestern Public Service Company

Energy Supply Capital Additions by Work Order for the Future Test Year Period of July 1, 2023, through June 30, 2024
Plant Additions by Asset Class and Witness

	(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
116	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.677	PLX0C-Purch Misc Plant Tool	Routine	25,375	8,934
117	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.684	TOL0C - Purch Misc Tools	Routine	55,585	19,570
118	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.688	GMS0C-Training Tools	Routine	47,721	16,802
119	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.689	GMS0C-TX Lab Instruments	Routine	86,241	30,364
120	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.690	GMS0C-E&C Tools	Routine	14,247	5,016
121	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.691	GMS0C-TRaC Tools	Routine	64,583	22,739
122	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.692	GMS0C-MMR Instruments	Routine	83,387	29,359
123	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.693	GMS0C-PMO Equipment	Routine	74,593	26,263
124	Electric General	Lytal	Reliability & Performance Enhancement	A.0003000.763	HLW: Hale Wind - Tools & Equip	Routine	15,000	5,281
125	Electric General	Lytal	Reliability & Performance Enhancement	A.0006056.227	GSMOC Purchase Vehicles	Routine	2,787,000	981,250
126	Electric General	Lytal	Reliability & Performance Enhancement	A.0006056.359	SPS-TX-Fleet-PHEV-Energy Supply	Routine	68,000	23,942
127	Electric General Total						\$ 3,654,856	\$ 1,286,806
128	Grand Total						\$ 82,757,926	\$ 31,720,077

Southwestern Public Service Company

Energy Supply Capital Additions by Work Order 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	Steam Production	Lytal	A.0001555.464	TOL1C RPL SH Div Panel Loops-24957	\$ 2,945,592	\$ 309,747	\$ 1,387,644	\$ 1,044,088	\$ 204,113
2	Steam Production	Lytal	A.0001550.511	HAR0C - NAAQS Pipeline & Rights	2,493,282	262,184	1,174,564	883,763	172,771
3	Steam Production	Lytal	A.0001586.374	JON2 RH Panels Rpl-26238	2,467,505	259,473	1,162,421	874,626	170,984
4	Steam Production	Lytal	A.0001586.373	JON1 RH Panels Rpl-26237	2,467,505	259,473	1,162,421	874,626	170,984
5	Steam Production	Lytal	A.0001586.500	JON Emergent Fund -Steam prod	2,417,181	254,181	1,138,714	856,789	167,497
6	Steam Production	Lytal	A.0001550.389	HAR0C-Basement Winterization	2,322,727	244,249	1,094,217	823,309	160,952
7	Steam Production	Lytal	A.0001555.020	TOL1C-Install CT Film Fill	2,243,257	235,892	1,056,780	795,140	155,445
8	Steam Production	Lytal	A.0001555.357	TOL1C-Nozzleblock Modification	2,188,381	230,122	1,030,928	775,689	151,643
9	Steam Production	Lytal	A.0001555.304	TOL0C- Inst Watef Well Ph 11	2,041,937	214,722	961,939	723,780	141,495
10	Steam Production	Lytal	A.0001550.483	HAR2C-H2 Generator Rotor Rewind	1,863,283	195,936	877,777	660,455	129,115
11	Steam Production	Lytal	A.0001550.451	HAR2C-Rpl #2 HP FWH	1,862,218	195,824	877,275	660,078	129,041
12	Steam Production	Lytal	A.0001555.448	TOL2C-Install Fill in CT 24 Cells -	1,803,739	189,674	849,726	639,350	124,989
13	Steam Production	Lytal	A.0001550.500	HAR Emergent Fund -Steam prod	1,703,277	179,110	802,399	603,740	118,028
14	Steam Production	Lytal	A.0001545.170	CHC0 Add Monitor Wells-26150	1,507,921	158,567	710,369	534,495	104,491
15	Steam Production	Lytal	A.0001586.039	JON1C-Rpl no 1 HPSI FWH	1,245,078	130,928	586,546	441,328	86,277
16	Steam Production	Lytal	A.0001529.116	MAD0 Remediation Wtr Wells-26151	1,017,634	107,010	479,399	360,708	70,516
17	Steam Production	Lytal	A.0001555.446	TOL2C-Rpl ID Fan VFDs -23950	930,282	97,825	438,248	329,746	64,463
18	Steam Production	Lytal	A.0001555.485	TOL1 Upgrd TV & IV-26194	912,872	95,994	430,046	323,574	63,257
19	Steam Production	Lytal	A.0001545.500	CHC Emergent Fund -Steam prod	901,232	94,770	424,563	319,449	62,450
20	Steam Production	Lytal	A.0001560.500	NIC Emergent Fund -Steam prod	898,919	94,527	423,473	318,629	62,290
21	Steam Production	Lytal	A.0001555.461	TOL1C RPL Burners-24767	829,133	87,188	390,597	293,893	57,454
22	Steam Production	Lytal	A.0001534.500	PLX Emergent Fund -Steam prod	789,960	83,069	372,144	280,008	54,740
23	Steam Production	Lytal	A.0001550.029	HAR2C-H2 Rpl CT MCC s	764,022	80,342	359,925	270,814	52,942
24	Steam Production	Lytal	A.0001529.500	MAD Emergent Fund -Steam prod	751,715	79,047	354,127	266,451	52,090
25	Steam Production	Lytal	A.0001586.356	JON1-Relocate CEMS Building-25839	751,616	79,037	354,080	266,416	52,083
26	Steam Production	Lytal	A.0001555.444	TOL1C-Rpl FD VFDs -23957	725,141	76,253	341,608	257,032	50,248
27	Steam Production	Lytal	A.0001555.460	TOL1C Rpl Backpass Front Wall-25024	689,709	72,527	324,916	244,473	47,793
28	Steam Production	Lytal	A.0001550.512	HAR0C Inst House Air Comp-24756	639,189	67,215	301,117	226,566	44,292
29	Steam Production	Lytal	A.0001555.470	TOL2C Rpl FD Fan VFDs-23955	630,652	66,317	297,095	223,539	43,701
30	Steam Production	Lytal	A.0001555.500	TOL Emergent Fund -Steam prod	630,256	66,275	296,908	223,399	43,673
31	Steam Production	Lytal	A.0001586.369	JON0-ERT Building-25842	621,046	65,307	292,569	220,134	43,035
32	Steam Production	Lytal	A.0001586.357	JON1-Upgrade DCS Operator Stations-	535,783	56,341	252,403	189,913	37,127
33	Steam Production	Lytal	A.0001586.196	JON1C-Rewedge Generator Stator	526,809	55,397	248,176	186,732	36,505
34	Steam Production	Lytal	A.0001586.335	JON1C FD Fan Fluid Drive Inst-24789	452,921	47,627	213,367	160,541	31,385
35	Steam Production	Lytal	A.0001545.137	CHC2-Rewedge Gen Stator -24168	407,941	42,898	192,178	144,598	28,268
36	Steam Production	Lytal	A.0001586.334	JON1C Constant Pressure EH Sys-2479	407,616	42,863	192,025	144,483	28,246
37	Steam Production	Lytal	A.0001586.372	JON0 Over Pressure Project-26156	404,840	42,571	190,717	143,499	28,053

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Energy Supply Capital Additions by Work Order 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
38	Steam Production	Lytal	A.0001534.231	PLX0 Over Pressure Protect-26157	404,840	42,571	190,717	143,499	28,053
39	Steam Production	Lytal	A.0001555.097	TOL1C-Rpl TD BFP Element	401,742	42,246	189,257	142,400	27,838
40	Steam Production	Lytal	A.0001550.495	HAR2C-Rpl Gen Bkr FK05 -23929	390,700	41,085	184,056	138,487	27,073
41	Steam Production	Lytal	A.0001555.263	TOL1C-Rbld Mill D Grind Sect	382,196	40,190	180,049	135,472	26,484
42	Steam Production	Lytal	A.0001555.268	TOL2C-Rbld Mill D Grind Sect	360,728	37,933	169,936	127,863	24,996
43	Steam Production	Lytal	A.0001550.539	HAR2 Rpl Wtr Cooled Spr Tube-25197	358,932	37,744	169,090	127,226	24,872
44	Steam Production	Lytal	A.0001586.350	JON0-Rpl Boiler Blowdown Line-25852	356,591	37,498	167,987	126,396	24,710
45	Steam Production	Lytal	A.0001545.138	CHC2C-Upg Fox CPs & Software -23954	352,416	37,059	166,020	124,917	24,420
46	Steam Production	Lytal	A.0001586.346	JON2-J2 Rpl LP FWH Lvl Trans	306,594	32,240	144,434	108,675	21,245
47	Steam Production	Lytal	A.0001550.487	HAR2C-H2 Rpl MBFP Discharge Vlv	302,108	31,769	142,321	107,085	20,934
48	Steam Production	Lytal	A.0001586.354	JON0-Equipment Building-25841	253,019	26,606	119,195	89,685	17,533
49	Steam Production	Lytal	A.0001550.542	HAR0 Install Backup ACW to IAC-2555	252,620	26,565	119,007	89,543	17,505
50	Steam Production	Lytal	A.0001555.600	TOL2C-Mill A Grinding Section	245,696	25,836	115,745	87,089	17,025
51	Steam Production	Lytal	A.0001586.324	JON2C- Rpl CT Acid Tank -24466	238,866	25,118	112,528	84,668	16,552
52	Steam Production	Lytal	A.0001555.479	TOL1 M&N Bus Cable Rpl-25575	238,769	25,108	112,482	84,634	16,545
53	Steam Production	Lytal	A.0001586.083	JON1C-Rpl CWP Pmp Dischrg pipe	237,383	24,962	111,829	84,142	16,449
54	Steam Production	Lytal	A.0001560.182	NIC1 CEMs Upgrd-19968	235,328	24,746	110,861	83,414	16,307
55	Steam Production	Lytal	A.0001560.183	NIC2 CEMs Upgrd-19967	222,166	23,362	104,660	78,748	15,395
56	Steam Production	Lytal	A.0001550.541	HAR0 Instl Tornado Shelters-25479	217,475	22,869	102,451	77,086	15,070
57	Steam Production	Lytal	A.0001555.462	TOL1C Rpl ID VFD Cntrls-23956	196,317	20,644	92,483	69,586	13,604
58	Steam Production	Lytal	A.0001555.248	TOL0C-Rpl Water Well Pmp 2023	194,088	20,410	91,433	68,796	13,449
59	Steam Production	Lytal	A.0001586.352	JON3-Repl Vib Comb Dynamics System-2	182,903	19,233	86,164	64,832	12,674
60	Steam Production	Lytal	A.0001545.092	CHC0C-Rep Water Wells Mtr 2023	172,690	18,159	81,353	61,211	11,966
61	Steam Production	Lytal	A.0001586.353	JON0-Rpl ERT Bunker Gear-25967	166,811	17,541	78,583	59,128	11,559
62	Steam Production	Lytal	A.0001550.266	HAR2C-New Station Batteries	160,124	16,838	75,433	56,757	11,096
63	Steam Production	Lytal	A.0001555.239	TOL1C-Replace SSC Chain	158,944	16,714	74,877	56,339	11,014
64	Steam Production	Lytal	A.0001550.498	HAR2C-Rpl Digital Vlv Controllers -	157,242	16,535	74,075	55,736	10,896
65	Steam Production	Lytal	A.0001545.142	CHC0C-Rpl N Inst Air Comp -24173	156,476	16,454	73,714	55,464	10,843
66	Steam Production	Lytal	A.0001586.370	JON4-Repl Vib Comb Dynamics System-2	132,362	13,919	62,355	46,917	9,172
67	Steam Production	Lytal	A.0001586.349	JON2-Rpl FD Fan Fld Drv Cooler-2597	117,972	12,405	55,575	41,816	8,175
68	Steam Production	Lytal	A.0001586.351	JON0-Rpl Floor in Wtr Trtr and CR-2	109,592	11,524	51,628	38,846	7,594
69	Steam Production	Lytal	A.0001545.140	CHC0C-Rpl N House Air Comp -24171	99,900	10,505	47,062	35,410	6,923
70	Steam Production	Lytal	A.0001586.371	JON2-Rpl Cond Pump Fld Drv Cooler-2	94,273	9,913	44,411	33,416	6,533
71	Steam Production	Lytal	A.0001550.516	HAR1C 6.9kV NSXFMR Inst DGA-24391	92,570	9,734	43,609	32,812	6,415
72	Steam Production	Lytal	A.0001550.515	HAR1C 4.16kV NSXFMR Inst DGA-24392	92,559	9,733	43,604	32,808	6,414
73	Steam Production	Lytal	A.0001555.484	TOL0 ERT SCBA Rpl-26153	92,440	9,721	43,548	32,766	6,406
74	Steam Production	Lytal	A.0001550.523	HAR2C 6.9kV NSXFMR Inst DGA-24393	90,281	9,494	42,531	32,001	6,256

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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
75	Steam Production	Lytal	A.0001586.305	JON2C-GSU XFMR DGA	77,384	8,137	36,455	27,429	5,362
76	Steam Production	Lytal	A.0001550.525	HAR2C Rpl Start Up ByPass Vlv-24596	75,983	7,990	35,795	26,933	5,265
77	Steam Production	Lytal	A.0001586.332	JON0C Articulating Man Lift-24792	73,962	7,778	34,843	26,216	5,125
78	Steam Production	Lytal	A.0001555.438	TOL0C-Emer Diesel Gen Battery -2404	68,313	7,183	32,182	24,214	4,734
79	Steam Production	Lytal	A.0001534.233	PLX0 X ERT SCBA Rpl-26155	57,394	6,035	27,038	20,344	3,977
80	Steam Production	Lytal	A.0001555.483	TOL0 ERT Bunker Gear Rpl-26152	50,791	5,341	23,927	18,003	3,520
81	Steam Production	Lytal	A.0001534.229	PLX4C Rpl Pivot 41 Pad-25033	47,631	5,009	22,439	16,883	3,301
82	Steam Production	Lytal	A.0001586.355	JON1-Rpl Overhead Crane Bay Door-25	47,367	4,981	22,314	16,790	3,282
83	Steam Production	Lytal	A.0001534.232	PLX0 ERT Bunker Gear Rpl-26154	43,680	4,593	20,577	15,483	3,027
84	Steam Production	Lytal	A.0001586.342	JON2-Rpl GlnD Stm&Hd Spry Cntrl Vlv	37,992	3,995	17,897	13,466	2,633
85	Steam Production	Lytal	A.0001555.417	TOL0C-Portable Vibration DAS	32,146	3,380	15,144	11,394	2,228
86	Steam Production	Lytal	A.0001550.496	HAR2C-Upgrade Support Stations -242	25,396	2,670	11,964	9,002	1,760
87	Steam Production	Lytal	A.0001560.089	NIC0C-Rpl #5 AfrTrtmnt pH Aci	8,000	841	3,769	2,836	554
88	Steam Production	Lytal	A.0001586.157	JON2C-Circ Water Struct Liner	4,300	452	2,026	1,524	298
89	Steam Production	Lytal	A.0001560.181	NIC0 Sprinkler Pivot S4 Rpl-25466	2,905	305	1,369	1,030	201
90	Steam Production	Lytal	A.0001550.543	HAR2-Instl CT Bypass-26044	2,500	263	1,178	886	173
91	Steam Production	Lytal	A.0001586.368	JON2-Rpl BFP Oil Coolers-25843	2,500	263	1,178	886	173
92	Steam Production	Lytal	A.0001586.367	JON2-Relocate CEMS Building-25838	2,080	219	980	737	144
93	Steam Production	Lytal	A.0001550.494	HAR1-Inst DGA -24156	1,500	158	707	532	104
94	Steam Production	Lytal	A.0001560.165	NIC2C 4.16kV NSXFMR Inst DGA-24385	1,500	158	707	532	104
95	Steam Production	Lytal	A.0001560.110	NIC1C- Upgrd DCS Opr Stn and CP	1,243	131	586	441	86
96	Steam Production	Lytal	A.0001560.111	NIC2C- Upgrd DCS Opr Stn and CP	1,243	131	586	441	86
97	Steam Production	Lytal	A.0001550.540	HAR2 Turbine Vlv Upgrds-25950	1,000	105	471	354	69
98	Steam Production	Lytal	A.0001555.447	TOL2C-Upg Cntrl Supt Computers -242	750	79	353	266	52
99	Steam Production	Lytal	A.0001560.174	NIC3 Rpl Gas Trip Vlv-25316	300	32	141	106	21
100	Other Production	Lytal	A.0001586.293	JON4C-Rpl Hot Path	12,243,100	1,287,436	5,767,622	4,339,663	848,379
101	Other Production	Lytal	A.0001545.268	CHC4C-Rpl Hot Gas Path Components	9,953,981	1,046,722	4,689,237	3,528,267	689,755
102	Other Production	Lytal	A.0001586.339	JON4C Gen Pole Crossover Upgrd-2440	587,550	61,784	276,790	208,262	40,714
103	Other Production	Lytal	A.0001586.019	JON3C-Rpl Exhaust Baffles	411,970	43,321	194,076	146,026	28,547
104	Other Production	Lytal	A.0001563.501	SAGM Emergent Fund-Other	88,813	9,339	41,839	31,480	6,154
105	Other Production	Lytal	A.0001577.501	HALE Emergent Fund-Other Prod	88,813	9,339	41,839	31,480	6,154
106	Other Production	Lytal	A.0001545.501	CHC Emergent Fund -Other prod	38,597	4,059	18,183	13,681	2,675
107	Other Production	Lytal	A.0001586.322	JON4C-Rpl Evap Media -23938	4,500	473	2,120	1,595	312
108	Electric General	Lytal	A.0006056.227	GSMOC Purchase Vehicles	2,787,000	242,510	1,011,851	944,722	587,917
109	Electric General	Lytal	A.0001550.545	HAR Plant Transportation Equip	150,000	13,052	54,459	50,846	31,642
110	Electric General	Lytal	A.0003000.689	GMS0C-TX Lab Instruments	86,241	7,504	31,311	29,233	18,192
111	Electric General	Lytal	A.0003000.692	GMS0C-MMR Instruments	83,387	7,256	30,275	28,266	17,590

Southwestern Public Service Company

**Energy Supply Capital Additions by Work Order 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
112	Electric General	Lytal	A.0003000.693	GMS0C-PMO Equipment	74,593	6,491	27,082	25,285	15,735
113	Electric General	Lytal	A.0006056.359	SPS-TX-Fleet-PHEV-Energy Supply	68,000	5,917	24,688	23,050	14,345
114	Electric General	Lytal	A.0003000.691	GMS0C-TRaC Tools	64,583	5,620	23,448	21,892	13,624
115	Electric General	Lytal	A.0003000.668	HAR0C-Purch Plant Tools	63,265	5,505	22,969	21,445	13,346
116	Electric General	Lytal	A.0003000.684	TOL0C - Purch Misc Tools	55,585	4,837	20,181	18,842	11,726
117	Electric General	Lytal	A.0003000.688	GMS0C-Training Tools	47,721	4,152	17,326	16,176	10,067
118	Electric General	Lytal	A.0003000.673	JON0C-Capital Tools	43,631	3,796	15,841	14,790	9,204
119	Electric General	Lytal	A.0003000.674	MAD0C-Purchase Cap Tools	29,947	2,606	10,872	10,151	6,317
120	Electric General	Lytal	A.0003000.677	PLX0C-Purch Misc Plant Tool	25,375	2,208	9,213	8,601	5,353
121	Electric General	Lytal	A.0003000.663	CHC0C-Cunningham Tools	24,966	2,172	9,064	8,463	5,267
122	Electric General	Lytal	A.0003000.675	NIC0C-Purch Plant Tools	21,315	1,855	7,739	7,225	4,496
123	Electric General	Lytal	A.0003000.763	HLW: Hale Wind - Tools & Equip	15,000	1,305	5,446	5,085	3,164
124	Electric General	Lytal	A.0003000.690	GMS0C-E&C Tools	14,247	1,240	5,173	4,830	3,005
125	Grand Total				\$ 82,757,926	\$ 8,636,194	\$ 38,591,731	\$ 29,277,607	\$ 6,252,393

Southwestern Public Service Company

Comparison of Energy Supply Capital Additions in the Adjusted Base Period, Linkage Period, and Future Test Year Period

Rule References

17.1.3.7(d), 17.1.3.17 A, 17.1.3.18 B, 17.1.3.18 D, 17.1.3.16 B

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	Future Test Year Period Plant Additions July 1, 2023 - June 30, 2024	
Lytal - Production	Electric General	391	Office Furniture and Equipment			\$ -	\$ 30,564		
		392	Transportation Equipment			-	860,787	2,981,901	
		393	Stores Equipment			-	99	332	
		394	Tools, Shop and Garage Equipment	241,020		241,020	951,218	631,040	
		395	Laboratory Equipment	1,560		1,560	12,700	14,185	
		396	Power Operated Equipment			-	4,127	23,099	
		398	Miscellaneous Equipment	370		370	2,875	4,299	
		Electric General Total			\$ 242,950		\$ 242,950	\$ 1,862,370	\$ 3,654,856
		Electric Intangible	303	Miscellaneous Intangible Plant	307,989		307,989	601,873	
		Electric Intangible Total			\$ 307,989		\$ 307,989	\$ 601,873	
		Electric Transmission	352	Structures and Improvements	44,795		44,795	50	
			353	Station Equipment	19,784,867		19,784,867	1,384	
		355	Poles and Fixtures	194,143		194,143			
		356	Overhead Conductors and Devices	7,783		7,783			
	Electric Transmission Total			\$ 20,031,588		\$ 20,031,588	\$ 1,434		
	Other Production	340	Land Rights			-	(74)		
		341	Structures and Improvements	1,070,177		1,070,177	791,450	1,112,407	
		342	Fuel Holders, Producers, and Accessories	(9,533)		(9,533)	54,304	168,762	
		343	Prime Movers	(491,410)		(491,410)	1,222,516	5,643,970	
		344	Generators	15,440,821		15,440,821	9,156,351	13,775,753	
		345	Accessory Electric Equipment	810,208		810,208	754,148	2,374,738	
		346	Miscellaneous Power Plant Equipment	21,349		21,349	45,513	341,695	
	Other Production Total			\$ 16,841,612		\$ 16,841,612	\$ 12,024,208	\$ 23,417,324	
	Steam Production	310	Land Rights			-		2,493,282	
		311	Structures and Improvements	3,795,456		3,795,456	19,539,005	7,448,166	
		312	Boiler Plant Equipment	15,691,959		15,691,959	28,862,397	27,082,216	
		314	Turbogenerator Units	7,937,530		7,937,530	20,501,406	15,053,777	
		315	Accessory Electric Equipment	1,288,384		1,288,384	3,771,851	2,422,117	
		316	Miscellaneous Power Plant Equipment	512,302		512,302	1,714,767	1,186,188	
	Steam Production Total			\$ 29,225,631		\$ 29,225,631	\$ 74,389,427	\$ 55,685,746	
Total Lytal - Production				\$ 66,649,771		\$ 66,649,771	\$ 88,879,311	\$ 82,757,926	

Southwestern Public Service Company

Comparison of Energy Supply Capital Additions in the Adjusted Base Period, Linkage Period, and Future Test Year Period

Rule References

Rule References

17.1.3.7(d), 17.1.3.17 A, 17.1.3.17 A, 17.1.3.17 A, 17.1.3.17 A, 17.1.3.18 B, 17.1.3.18 D, 17.1.3.16 B

Witness/ Business Area/ Cost Center Lytal - Production	Witness/ Business Area/ Cost Center Lytal - Production	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
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Total Lytal - Production

Total Lytal - Production

\$ 22,229,541

33%

YES

\$

16,108,155

\$

16,108,155

24%

YES

Major capital additions discussed in the direct testimony of Mark Lytal.