

**BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS**

In the Matter of the Petition of Kansas Gas)
Service, a Division of ONE Gas, Inc. for)
Approval by the Commission to Change its) Docket No. 24-KGSG- 215-TAR
Gas System Reliability Surcharge Per)
K.S.A. 66-2201 through 66-2204.)

PETITION TO CHANGE GSRS RATE SCHEDULES

Kansas Gas Service, a Division of ONE Gas, Inc., (“Kansas Gas Service” or “Company”) pursuant to K.S.A. 66-2201, *et seq.*, respectfully petitions to change its Gas System Reliability Surcharge (“GSRS”) tariff approved in Docket No. 09-KGSG-199-TAR (the “199 Docket”). In support of its Petition, Kansas Gas Service states the following to the State Corporation Commission of the State of Kansas (“Commission”):

I. DESCRIPTION OF KANSAS GAS SERVICE

1. Kansas Gas Service is a natural gas public utility operating in the state of Kansas pursuant to certificates of convenience and necessity issued by the Commission. Kansas Gas Service’s principal place of business within the state of Kansas is located at: 7421 West 129th Street, Overland Park, Kansas 66213.

II. COMMUNICATION

2. The names, addresses, phone numbers, and email addresses of the persons authorized to receive pleadings, notices, orders, and communications for Kansas Gas Service are:

Robert Elliott Vincent
Managing Attorney
Kansas Gas Service
A Division of ONE Gas, Inc.
7421 W. 129th Street
Overland Park, Kansas 66213
robert.vincent@onegas.com
Phone: 913-319-8615

Janet Buchanan
Director of Rates & Regulatory Reporting
Kansas Gas Service
A Division of ONE Gas, Inc.
7421 W. 129th Street
Overland Park, Kansas 66213
janet.buchanan@onegas.com
Phone: 913-319-8662

III. CONDENSED BACKGROUND

3. In 2006, the Kansas Legislature passed the Gas Safety and Reliability Policy Act (the “Act”).¹ The Act allows natural gas public utilities to establish or change a GSRS.² A GSRS rate schedule allows a natural gas public utility to recover the costs of eligible infrastructure system investments, as defined in the Act.³ In 2018, the Kansas Legislature amended the Act and, among other things, expanded the types of investments eligible for recovery using a GSRS rate schedule.⁴ Kansas Gas Service’s GSRS was established in the 199 Docket, and has continually been updated annually or reset during general rate proceedings. Since Kansas Gas Service’s last general rate proceeding, Docket No. 18-KGSG-560-RTS (the “560 Docket”), the Company’s GSRS rate schedule has been updated four times: Docket Nos. 20-KGSG-090-TAR (the “090 Docket”), 21-KGSG-094-TAR (the “094 Docket”), 22-KGSG-112-TAR (the “112 Docket”), and 23-KGSG-281-TAR (the “281 Docket”).

IV. REQUEST TO CHANGE GSRS RATE SCHEDULE

4. Pursuant to the Act, Kansas Gas Service respectfully petitions the Commission to change the Company’s GSRS rate schedules to recover costs of eligible infrastructure system investments. As demonstrated in this Petition and its supporting testimony, the infrastructure system investments contained in this Petition are eligible for recovery under the Act. Likewise, the Company’s Petition meets the Act’s minimum and maximum filing timelines.⁵ Therefore, Kansas Gas Service should be permitted to recover revenue of \$34,998,156 through its GSRS.

¹ L. 2006, ch. 99, §§ 1-5; *Codified at* K.S.A. 66-2201 through K.S.A. 66-2204.

² *See* K.S.A. 66-2203(a).

³ *See* K.S.A. 66-2203(a); K.S.A. 66-2202.

⁴ L. 2018, ch. 40, §§ 1-5.

⁵ *See* K.S.A. 66-2203 (b)-(d) (detailing requirement to have general rate proceedings decided or dismissed within the previous 60 months; detailing exceptions to this general rule); *See also* K.S.A. 66-2204(c)(limiting GSRS Petitions to no more often than once every twelve months). The Commission issued its order in Kansas Gas Service’s last base rate proceeding, the 560 Docket, on February 5, 2019. Likewise, Kansas Gas Service’s last GSRS Petition, the 281

5. Every year, and in the provision of natural gas utility service, Kansas Gas Service is required to relocate and replace certain segments of its system. Likewise, Kansas Gas Service invests in both physical and cybersecurity projects to protect assets. Kansas Gas Service's GSRS tariff, which is the subject of this Petition, allows the Company to recover the expenses associated with these projects between rate cases through a per-customer surcharge.

A. Introduction of Witnesses

6. Jordan R. Robl is a Managing Engineer for Kansas Gas Service. Mr. Robl supports the eligibility of the projects included in the Company's GSRS Petition. Mr. Robl outlines how different projects are categorized, and which specific provision of the Act supports cost recovery.

7. Andrew S. Copeland is ONE Gas, Inc.'s Manager of Cybersecurity. Mr. Copeland supports the eligibility of cybersecurity investments in Kansas Gas Service's proposed GSRS.

8. Lorna M. Eaton is a Manager in Kansas Gas Service's Rates and Regulatory Department. Ms. Eaton supports the calculation of the GSRS revenue requirement, the allocation of relevant costs to customer classes, the development and design of GSRS rates, and the revised GSRS tariff.

B. Kansas Gas Service's Projects Meet the Act's Eligibility Criteria

9. Pursuant to K.S.A. 66-2203(a), a natural gas public utility may:

file a petition and proposed rate schedules with the Commission to establish or change GSRS rate schedules that will allow for the adjustment of the natural gas public utility's rates and charges to provide for the recovery of costs for eligible infrastructure system investments.

10. K.S.A. 66-2202(d)(1) through (3) defines "eligible infrastructure system investments" as natural gas public utility plant projects that:

Docket, was filed on August 26, 2022. Accordingly, Kansas Gas Service's GSRS Petition meets the Act's 12-month minimum and 60-month maximum filing requirements.

- a. Do not increase revenues by directly connecting the infrastructure investments to new customers;
 - b. are in service and used and required to be used; and
 - c. were not included in the natural gas public utility's rate base in its most recent general rate case.
11. K.S.A. 66-2202(f)(1) through (5), defines "natural gas public utility plant projects" to consist of the following:
- a. Mains, meters, valves, service lines, regulator stations, vaults and other pipeline system components installed to replace, upgrade or modernize obsolete facilities,⁶ including, but not limited to, installation to comply with state or federal safety requirements replacing existing facilities;
 - b. main relining projects, service line insertion projects, joint encapsulation projects and other similar projects extending the useful life or enhancing the integrity of pipeline system components including, but not limited to, projects undertaken to comply with state or federal safety requirements;
 - c. facility relocations required due to construction or improvement of a highway, road, street, public way or other public work by or on behalf of the United States, this state, a political subdivision of this state or another entity having the power of eminent domain provided that the costs related to such projects have not been reimbursed to the natural gas public utility;
 - d. system security costs⁷ including allocated corporate costs incurred by a natural gas public utility; and
 - e. investments made in accordance with the utility's safety and risk management programs.
12. Mr. Robl and Mr. Copeland testify on eligible infrastructure system investments and natural gas public utility plant projects contained in this Petition. Mr. Robl testifies the Act

⁶ Defined in K.S.A. 66-2202(h)("[O]bsolete facility means a facility: (1) Comprised of materials that are no longer produced or supported by the manufacturer; (2) that shows signs of physical deterioration; or (3) does not meet current safety codes or industry standards. "Obsolete facility" includes the cost-effective replacement of other facilities that are not considered obsolete when the replacement of such is done in conjunction with the replacement of an obsolete facility.") (internal quotations omitted).

⁷ Defined in K.S.A. 66-2202(i)("[S]ystem security shall mean capital expenditures to protect a utility's capital assets, including both physical assets and cyber assets, such as networks, computers, servers, operating systems, storage, programs and data, from attack, damage or unauthorized use and access.") (internal quotations omitted).

separates projects into two categories: safety and public improvement.⁸ Mr. Robl's Exhibits JRR-1, JRR-3, and JRR-4 outline safety projects, including physical security costs. Exhibit JRR-2 outlines public improvement projects. Mr. Copeland's Exhibit ASC-1 identifies cybersecurity-related security projects.

i. Safety Projects

13. Exhibit JRR-1 details safety related projects unitized and included on Kansas Gas Services books as "plant in service" between July 1, 2022, and June 30, 2023. These safety investments, which are broken out into eight separate categories,⁹ are recoverable pursuant to K.S.A. 66-2202(f)(1), (2), (4), and (5). Exhibit JRR-1 outlines the investments' qualification, related statute or regulation, unitization date, cost center, function, job order, description, Federal Energy Regulatory Commission ("FERC") account, and cost. As required by the Commission in the 199 Docket, Mr. Robl's Exhibit JRR-4 provides an expanded explanation of projects included in this Petition pursuant to 49 C.F.R. 192.613.

14. Exhibit JRR-3 summarizes service line replacements as well as a limited group of non-service line projects, which are grouped together using blanket work orders given their relatively small dollar amounts and similarity. These safety related projects are recoverable pursuant to K.S.A. 66-2202(f)(1) or (3), and were unitized between July 1, 2022, and June 30, 2023.

15. Exhibit ASC-1 describes system security projects related to protecting the Kansas Gas Service's cyber assets and recoverable pursuant to K.S.A. 66-2202(f)(4). These projects are

⁸ See K.S.A. 66-2202(f)(1)-(2), (4)-(5) (outlining physical and cybersecurity safety projects); *See also* Public K.S.A. 66-2202(f)(3) (outlining public improvement projects, i.e., government-mandated relocations).

⁹ These categories include: (1) 3-5-3 Program Replacement, (2) Bare Steel Main Replacement, (3) Bare Steel Service Line Replacement (4) Cathodic Protection, (5) Continuing Surveillance, (6) Physical Security, (7) Pipeline System Components, and (8) Pressure and Measurement (Obsolescence).

related to corporate allocated costs, for which Kansas Gas Service is only seeking to recover its allocated amount.

ii. Public Improvement Projects

16. Exhibit JRR-2 details public improvement projects recoverable pursuant to K.S.A. 66-2202(f)(3). These public improvement projects, which Kansas Gas Service has not been fully reimbursed for, were unitized between July 1, 2022, and June 30, 2023. Generally, Exhibit JRR-2 contains the same information as Exhibit JRR-1. Because Exhibit JRR-2 contains public improvement investments, the entity requesting the project (e.g., a city) is detailed rather than a safety-related regulation.

C. Revenue Threshold

17. K.S.A. 66-2203(a) establishes minimum and maximum thresholds of total annualized GSRS revenues.¹⁰ The Commission may not approve Kansas Gas Service's Petition if the total annualized revenues are:

- a. below the lesser of \$1,000,000 or 1/2% of the base revenue level approved by the Commission in Kansas Gas Service's most recent general rate proceeding; or
- b. exceed 20% of the base revenue level approved by the Commission in Kansas Gas Service's most recent general rate proceeding.

18. Ms. Eaton testifies the Company's Petition satisfies the Act's revenue threshold requirements. The base revenue authorized for Kansas Gas Service in the 560 Docket was \$318,875,695. Because the Act uses the lesser of \$1,000,000 or 1/2% of base revenues from Kansas Gas Service's most recent general rate proceeding, the applicable GSRS revenue "floor" is \$1,000,000.¹¹ Likewise, the applicable GSRS revenue "ceiling" is \$63,775,139. Kansas Gas

¹⁰ K.S.A. 66-2202(g) defines GSRS revenues as "revenues produced through a GSRS exclusive of revenues from all other rates and charges."

¹¹ Ms. Eaton testifies 1/2% of Kansas Gas Service's base revenues totals \$1,594,378.

Service's Petition is for a total GSRS revenue requirement of \$34,998,156, thus satisfying the Act's minimum and maximum revenue threshold requirements.

D. GSRS Filing Requirements and Timelines¹²

19. K.S.A. 66-2204(a) requires Kansas Gas Service's GSRS Petition include proposed GSRS rate schedules and supporting documentation. Likewise, K.S.A. 66-2204(a) requires Kansas Gas Service serve the Citizens' Utility Ratepayer Board ("CURB") with a complete copy of this Petition. Kansas Gas Service's Petition satisfies the Act's filing requirements. Kansas Gas Service's Petition is supported by three witnesses who each sponsor and support a series of exhibits, projects, or rate schedules. In addition, Ms. Eaton's Exhibit LME-7 contains the Company's proposed GSRS rate schedules. Combined, these three witnesses allow the Commission to evaluate the Company's Petition, the projects contained within it, and K.S.A. 66-2204(d)'s factors for determining the appropriate pretax revenue requirement. Kansas Gas Service will serve a copy of this Petition on CURB when it is filed.

20. GSRS Petitions are not deemed to be a K.S.A. 66-117 rate increase.¹³ Rather, the Act establishes separate statutory deadlines for GSRS proceedings.¹⁴ Commission Staff must submit a report on a GSRS petition no later than 60 days after the petition is filed.¹⁵ No other revenue requirement or ratemaking issues are considered during this review.¹⁶ Pursuant to the Act, this date is Friday, October 27, 2023. While the Commission has discretion to hold a hearing, the

¹² In addition to filing requirements, K.S.A. 66-2204 contains additional provisions detailing how Kansas Gas Service's GSRS resets to zero in general rate proceedings and how approval of petitions such as Kansas Gas Service's do not bind or limit future actions by the Commission. *See* K.S.A. 66-2204(f)(1), (h), and (i).

¹³ K.S.A. 66-2202(g).

¹⁴ K.S.A. 66-2204(b)(1)-(4).

¹⁵ *See* K.S.A. 66-2204(b)(2).

¹⁶ K.S.A. 66-2204(b)(2).

Commission must issue an order to become effective no later than 120 days after a GSRS petition is filed.¹⁷ Accordingly, this date is Tuesday, December 26, 2023.

E. GSRS Revenue Requirement

21. If a GSRS petition complies with the Act's requirements, the Commission must enter an order authorizing a GSRS sufficient to recover appropriate pretax revenue as determined by the Commission pursuant to the Act.¹⁸ Ms. Eaton outlines the financial, accounting, and ratemaking aspects of Kansas Gas Service's GSRS Petition, and further confirms none of the costs included in this Petition were contained in Kansas Gas Service's last general rate filing (i.e., the 560 Docket).

22. Exhibit LME-1 shows the proposed increase to rate base and the calculation of the GSRS revenue requirement. The net GSRS rate base resulting from projects approved in the 090 Docket, 094 Docket, 112 Docket, 281 Docket, and those additional projects identified in this Petition is \$297,179,140.

23. Exhibit LME-1 shows the proposed GSRS revenue requirement associated with the projects approved in the 090 Docket, 094 Docket, 112 Docket, 281 Docket, the additional projects identified in this Petition, and, as required by K.S.A. 66-2204(e)(2), a true-up of the authorized revenue from the 281 Docket (shown in Exhibit LME-2) to be \$34,998,156. Compared to the revenue requirement authorized in the 281 Docket, the incremental revenue requirement requested in this Petition is \$7,952,669.¹⁹

24. The Partial Unanimous Settlement Agreement approved in the 560 Docket set the carrying charge for Kansas Gas Service's GSRS Petition at 9.0984%, gross of tax, based on state

¹⁷ K.S.A. 66-2204(b)(3).

¹⁸ See K.S.A. 66-2204(b)(4); See also K.S.A. 66-2202(b)(1)-(3) defining appropriate pretax revenues.

¹⁹ Exhibit LME-2 shows Kansas Gas Service will over-recover \$651,977 in GSRS revenues. Accordingly, Exhibit LME-1 reduces Kansas Gas Service's total GSRS revenue requirement by this amount.

and federal taxes in effect as of the date of the settlement.²⁰ In 2020, the Kansas Legislature amended K.S.A. 79-32,113 to exempt public utilities from Kansas corporate income tax. As shown in Exhibit LME-1, the Company's GSRS Petition reduces the carrying charge from 9.0984%, gross of tax approved in the 560 Docket to 8.6012%, gross of tax, to reflect the elimination of state corporate income tax on public utilities.

25. Exhibits LME-3 and LME-4 detail the rate base calculations for the natural gas public utility plant projects identified in this Petition. The components of the rate base calculation include:

- a. gross plant (which is the original cost of all eligible projects);
- b. accumulated depreciation associated with the eligible infrastructure system investments; and
- c. accumulated deferred income taxes associated with the eligible infrastructure system investments.

26. Exhibit LME-5 shows the calculation of depreciation expense for the natural gas public utility plant projects identified in this Petition.

F. Rate Design and Residential Rate Cap

27. Exhibit LME-6 shows the allocation of the GSRS revenue by class. The customer class allocation is calculated pursuant to K.S.A. 66-2204(e)(1), and the Partial Unanimous Settlement Agreement in the 560 Docket.²¹

28. The Act establishes how GSRS charges must be allocated, and the amount a residential customer's GSRS may increase annually. Pursuant to K.S.A. 66-2204(e)(1):

A GSRS shall be charged to customers as a monthly fixed charge and not based on volumetric consumption. The monthly charge shall not increase more than \$0.80 per residential customer over the base rates in effect for the initial filing of a GSRS.

²⁰ See Order Approving Partial Unanimous Settlement Agreement, Exhibit A, ¶¶ 18-19, Docket No. 18-KGSG-560-RTS (Feb. 5, 2019) (560 Partial Unanimous Settlement Agreement).

²¹ See *id.*

Thereafter, each filing shall not increase the monthly charge more than \$0.80 per residential customer over the most recent filing of a GSRS.

29. Exhibit LME-6 shows Kansas Gas Service's GSRS Petition satisfies the Act's allocation requirements and residential charge limitation. Exhibit LME-7 contains the revised GSRS tariff page reflecting the recalculated GSRS rates supported by this Petition.

V. CONCLUSION

30. Since filing its GSRS last year, Kansas Gas Service has continued to make safety related investments in its system and respond to public improvement projects. The costs of these eligible infrastructure system investments were prudently incurred, do not increase revenues by connecting new customers, are in service and used and required to be used, and were not included in Kansas Gas Service's most recent general rate case. The projects included in this Petition satisfy the statutory definitions of projects recoverable under a GSRS, and this Petition satisfies the statutory elements necessary to recover the costs of these projects.

WHEREFORE, for the reasons set forth herein, Kansas Gas Service respectfully requests that the Commission issue an Order approving the Petition and for any other relief the Commission deems just and reasonable.

Respectfully submitted,

/s/ Robert Elliott Vincent

Robert Elliott Vincent, KS Bar #26028

Managing Attorney

Kansas Gas Service

A Division of ONE Gas, Inc.

7421 West 129th Street

Overland Park, Kansas 66213-2634

Phone: (913) 319-8615

Fax: (913) 319-8622

E-mail: robert.vincent@onegas.com

Attorney for Kansas Gas Service

A Division of ONE Gas, Inc.

**BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS**

In the Matter of the Application of Kansas Gas)
Service, A Division of ONE Gas, Inc., for)
Approval By The Commission for a Gas) DOCKET NO. 24-KGSG-____-TAR
System Reliability Surcharge Per K.S.A. 66-)
2201 through 66-2204.)

**DIRECT TESTIMONY
OF
JORDAN R. ROBL
ON BEHALF OF
KANSAS GAS SERVICE
A DIVISION OF ONE GAS, INC.**

AUGUST 28, 2023

DIRECT TESTIMONY
OF
JORDAN R. ROBL
KANSAS GAS SERVICE
DOCKET NO. 24-KGSG-___-TAR

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is Jordan R. Robl. My business address is 1021 East 26th Street North,
3 Wichita, Kansas 67219.

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 A. I am employed by Kansas Gas Service, a Division of ONE Gas, Inc., (“Kansas Gas
6 Service” or “Company”). I hold the position of Manager of Engineering.

7 **Q. PLEASE STATE YOUR EDUCATIONAL BACKGROUND AND PROFESSIONAL**
8 **EXPERIENCE.**

9 A. I have a Bachelor of Science in Mechanical Engineering from Kansas State University
10 and a Masters of Business Administration from Wichita State University. Upon
11 completion of my undergraduate degree in 2014, I began employment with Kansas
12 Gas Service as an entry level engineer. I was promoted to my current position in 2022.
13 I am a Licensed Professional Engineer in the State of Kansas.

14 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

15 A. The purpose of my testimony is to support the eligibility of infrastructure system
16 replacement and/or enhancement projects included in Kansas Gas Service’s
17 proposed Gas System Reliability Surcharge (“GSRS”). In addition to my testimony,
18 Ms. Lorna Eaton provides direct testimony on the calculation of the GSRS revenue
19 requirement and the surcharge amounts by customer class. Additionally, Mr. Andrew
20 Copeland supports the inclusion of corporate system security investments.

1 **Q. ARE YOU SPONSORING ANY EXHIBITS?**

2 A. Yes. I am sponsoring Exhibits JRR-1, JRR-2, JRR-3, and JRR-4. These exhibits are
3 a summary and explanation of the projects being included within the proposed GSRS.

4 **Q. PLEASE PROVIDE A BRIEF OVERVIEW OF KANSAS GAS SERVICE.**

5 A. Kansas Gas Service is a Division of ONE Gas, Inc., and provides natural gas
6 distribution service to approximately 648,000 customers in more than 360
7 communities in Kansas. Approximately 592,000 of Kansas Gas Service's customers
8 are residential customers, with the remaining balance comprised of non-residential -
9 general service sales customers and transportation customers. Kansas Gas Service's
10 natural gas system includes approximately 13,000 miles of distribution and
11 transmission lines.

12 **Q. WHAT IS A GAS SYSTEM RELIABILITY SURCHARGE?**

13 A. In 2006, Senate Bill 414, the Gas Safety and Reliability Policy Act ("Act"), was passed
14 into law. In short, the Act allows natural gas public utilities to recover expenses
15 associated with eligible infrastructure replacements incurred between rate cases
16 through a surcharge – the GSRS. Pursuant to K.S.A. 66-2203(a), as amended:

17 a natural gas public utility providing gas service may file a petition and
18 proposed rate schedules with the commission to establish or change
19 GSRS rate schedules that will allow for the adjustment of the natural
20 gas public utility's rates and charges to provide for the recovery of costs
21 for eligible infrastructure system investments.

22 In 2018, Senate Bill 279 amended the Act to expand the types of investments eligible
23 for inclusion within a GSRS.

24 **Q. HOW ARE "ELIGIBLE INFRASTRUCTURE SYSTEM INVESTMENTS" DEFINED?**

25 A. K.S.A. 66-2202(d), as amended, defines "eligible infrastructure system investments"
26 as natural gas public utility plant projects that:

1 (1) Do not increase revenues by directly connecting the infrastructure
2 investments to new customers;
3 (2) are in service and used and required to be used; and
4 (3) were not included in the natural gas public utility's rate base in its
5 most recent general rate case.

6 **Q. HOW ARE NATURAL GAS UTILITY PLANT PROJECTS IDENTIFIED IN THE**
7 **STATUTE?**

8 A. K.S.A. 66-2202(f), as amended, outlines five separate categories of natural gas utility
9 plant projects.

10 **Q. CAN YOU OUTLINE THESE CATEGORIES?**

11 A. Yes. The first, K.S.A. 66-2202(f)(1), as amended, is for:

12 Mains, meters, valves, service lines, regulator stations, vaults and other
13 pipeline system components installed to replace, upgrade or modernize
14 obsolete facilities, including, but not limited to, installation to comply
15 with state or federal safety requirements replacing existing facilities.

16 The second, K.S.A. 66-2202(f)(2), as amended, is for:

17 Main relining projects, service line insertion projects, joint
18 encapsulation projects and other similar projects extending the useful
19 life or enhancing the integrity of pipeline system components including,
20 but not limited to, projects undertaken to comply with state or federal
21 safety requirements.

22 The third, K.S.A. 66-2202(f)(3), as amended, is for:

23 Facility relocations required due to construction or improvement of a
24 highway, road, street, public way or other public work by or on behalf
25 of the United States, this state, a political subdivision of this state or
26 another entity having the power of eminent domain provided that the

1 costs related to such projects have not been reimbursed to the natural
2 gas public utility.

3 The fourth, K.S.A. 66-2202(f)(4), as amended, is for:

4 System security costs including allocated corporate costs incurred by a
5 natural gas public utility.

6 The fifth, K.S.A. 66-2202(f)(5), as amended, is for:

7 Investments made in accordance with the utility's safety and risk
8 management programs.

9 **Q. IS THERE A WAY TO GENERALLY CLASSIFY THESE TYPES OF PROJECTS?**

10 A. Yes. Categories 1, 2, 4 and 5 identified above are generally classified under the
11 heading of a safety related project within this Application, while component 3 is
12 generally classified as a public improvement project. Company witness Mr. Copeland
13 will be discussing a subset of projects classified under category 4, related to system
14 security projects.

15 **Q. WHAT KINDS OF PROJECTS ARE INCLUDED IN KANSAS GAS SERVICE'S**
16 **GSRS PROPOSAL?**

17 A. Exhibit JRR-1, as attached hereto, identifies safety related projects recoverable under
18 K.S.A. 66-2202(f)(1), (f)(2), (f)(4), and (f)(5), as amended. Exhibit JRR-2, as attached
19 hereto, identifies governmental relocation projects recoverable under K.S.A. 66-
20 2202(f)(3), as amended. Both exhibits provide a project description, work order
21 number, unitization date, and cost for each of the projects. The project list contained
22 in Exhibit JRR-1, also includes a reference to the compliance section of state or federal
23 pipeline safety requirements where applicable. Similarly, the governmental relocation
24 project list identifies the governmental entity requiring the relocation activity. The
25 projects identified in Exhibits JRR-1 and JRR-2 were unitized between July 1, 2022,
26 and June 30, 2023.

1 **Q. PLEASE EXPLAIN EXHIBIT JRR-3.**

2 A. Exhibit JRR-3, as attached hereto, identifies projects that have been accounted for as
3 blanket work orders for service line replacement projects and a limited group of non-
4 service line projects. Blanket work orders are used to account for costs of projects
5 with relatively small dollar amounts and which are relatively similar. Expenses related
6 to the replacement of service lines meets both criteria and are therefore included in
7 blanket work orders. These service line replacement projects are small projects where
8 the Company has replaced the service line from the main in the street to the house as
9 a result of either a safety concern or a public improvement project. As such, these
10 projects are eligible for recovery under K.S.A. 66-2202(f)(1) or (3) in the same manner
11 as projects identified in Exhibits JRR-1 and JRR-2. The projects identified in Exhibit
12 JRR-3 were unitized between July 1, 2022, and June 30, 2023.

13 **Q. PLEASE EXPLAIN EXHIBIT JRR-4.**

14 A. The Commission's Order in the Company's initial GSRS filing, Docket No. 09-KGSG-
15 199-TAR ("199 Docket"), directed Kansas Gas Service to provide an expanded
16 explanation of projects included in the Company's GSRS pursuant to 49 C.F.R. §
17 192.613.¹ Exhibit JRR-4, as attached hereto, provides the explanation for those
18 projects identified in Exhibit JRR-1 that reference 49 C.F.R. § 192.613. I provide an
19 explanation of the applicability of this section to service line replacements later in my
20 testimony.

21 **Q. WHEN WERE THE PROJECTS INCLUDED IN EXHIBITS JRR-1, JRR-2 AND JRR-
22 3 COMPLETED?**

¹ "If KGS uses Title 49 C.F.R. Part 192.613 as the criteria for projects meeting this definition, then the GSRS Application shall include documentation supporting the determination that the projects were in "unsatisfactory condition" and therefore applicable for inclusion under Title 49 C.F.R. Part 192.613." Order, Docket No. 09-KGSG-199-TAR, Ordering Clause (A) (Dec. 18, 2008). See *also id.* at ¶6.

1 A. The projects included in Exhibits JRR-1, JRR-2, and JRR-3 were unitized and included
2 on the books as “plant in service” during the period beginning on July 1, 2022, through
3 June 30, 2023. As referenced in Ms. Eaton’s testimony, none of the costs included in
4 Exhibits JRR-1, JRR-2, and JRR-3 were included in Kansas Gas Service’s base rates
5 from its most recent general rate case – Docket No. 18-KGSG-560-RTS (“560
6 Docket”).

7 **Q. GENERALLY, WHAT SAFETY RELATED REGULATIONS ARE REFERENCED BY**
8 **KANSAS GAS SERVICE IN CONSIDERING A PROJECT’S INCLUSION IN THIS**
9 **GSRs FILING?**

10 A. The referenced regulations are contained in 49 CFR Part 192, *Transportation of*
11 *Natural and Other Gas by Pipeline: Minimum Federal Safety Standards*, and those
12 Kansas Administrative Regulations (“K.A.R.s”) applicable to jurisdictional natural gas
13 pipelines within the State of Kansas.

14 **Q. SPECIFICALLY, WHAT REGULATIONS ARE ASSOCIATED WITH THE SAFETY-**
15 **RELATED REPLACEMENT PROJECTS IN THIS FILING?**

16 A. Each project identified in Exhibit JRR-1, attached hereto, was undertaken to comply
17 with state or federal safety requirements. The column marked “Regulation” in Exhibit
18 JRR-1 identifies the regulations from Title 49 of the Code of Federal Regulations,
19 which were adopted by the Commission in K.A.R. 82-11-4, when applicable. Among
20 the applicable regulations are 49 C.F.R. §§ 192.455, 192.457, 192.487, and 192.613.
21 Also referenced in JRR-1, are certain Commission dockets that address safety such
22 as Docket Nos. 11-KGSG-177-TAR, 12-KGSG-721-TAR, 14-KGSG-100-MIS,
23 15-GIMG-343-GIG, and 18-KGSG-317-CPL. I explain the safety related regulations
24 and government mandated relocations for service lines in more detail later in my
25 testimony.

1 **Q. WHAT TYPES OF PROJECTS ARE INCLUDED IN EXHIBIT JRR-1 OF KANSAS**
2 **GAS SERVICE’S GSRS APPLICATION?**

3 A. There are eight categories of projects included in Kansas Gas Service’s request in
4 Exhibit JRR-1. The total expenditure for all projects is \$30,750,653.68. These
5 categories consist of:

- 6 1) 3-5-3 PROGRAM REPLACEMENT;
- 7 2) BARE STEEL MAIN REPLACEMENT;
- 8 3) BARE STEEL SERVICE LINE REPLACEMENT;
- 9 4) CATHODIC PROTECTION;
- 10 5) CONTINUING SURVEILLANCE;
- 11 6) PHYSICAL SECURITY;
- 12 7) PIPELINE SYSTEM COMPONENTS; and
- 13 8) PRESSURE AND MEASUREMENT (OBSCOLESCENCE).

14 **Q. PLEASE DISCUSS THE “3-5-3 REPLACEMENT PROJECTS” CATEGORY.**

15 A. Pursuant to the Commission’s Order in Docket No. 14-KGSG-100-MIS, Kansas Gas
16 Service developed a program to replace problematic protected bare steel main. Under
17 the 3-5-3 program, Kansas Gas Service identifies cathodically protected bare steel
18 distribution main segments which have experienced three or more leaks within a block
19 (approximately 500 feet) over the past three years. Exhibit JRR-1 identifies those
20 distribution segments which have been replaced pursuant to this program. The total
21 capital expenditure for 3-5-3 replacement projects identified in Exhibit JRR-1 is
22 \$204,633.

23 **Q. PLEASE EXPLAIN THE CATEGORY IDENTIFIED AS “BARE STEEL MAIN**
24 **REPLACEMENT.”**

25 A. Senate Bill No. 279, among other things, amended K.S.A. 66-2202(f)(1) to include
26 projects that replaced, upgraded, or modernized obsolete facilities – including

1 installations replacing existing facilities necessary to comply with state or federal
2 safety requirements. Kansas Gas Service is replacing bare steel mains which are
3 deemed obsolete. Mains are specifically identified in K.S.A. 66-2202(f)(1), as
4 amended. Kansas Gas Service is following section 1600 of its Operations and
5 Maintenance Standards to prioritize replacement work. The total capital expenditure
6 for the Bare Steel Main Replacement identified in Exhibit JRR-1 is \$19,472,948.

7 **Q. PLEASE EXPLAIN THE CATEGORY IDENTIFIED AS “BARE STEEL SERVICE**
8 **LINE REPLACEMENT”.**

9 A. Pursuant to Docket No. 11-KGSG-177-TAR (“177 Docket”) and Senate Bill No. 279,
10 which among other things, amended K.S.A. 66-2202(f)(1) and was summarized
11 above, Kansas Gas Service is replacing bare steel service lines which are deemed
12 obsolete. Service lines are specifically identified in K.S.A. 66-2202(f)(1), as amended.
13 Kansas Gas Service is following section 1600 of its Operations and Maintenance
14 Standards to prioritize replacement work. The total capital expenditure for the Bare
15 Steel Service Replacement identified in Exhibit JRR-1 is \$156,611.

16 **Q. PLEASE EXPLAIN THE CATEGORY IDENTIFIED AS “CATHODIC PROTECTION.”**

17 A. 49 C.F.R. § 192.457, along with its Kansas adoption K.A.R. 82-11-4(b)(14), requires
18 pipelines installed prior to August 1, 1971, be cathodically protected in areas where
19 active corrosion is found. The job activities identified in Exhibit JRR-1, under the
20 heading Cathodic Protection, represent projects undertaken by Kansas Gas Service
21 that involve the cathodic protection of our facilities. These activities are required by
22 regulation and reduce the possibility of corrosion of pipes, thereby significantly
23 reducing the chance for leaks and risk to the general public. Many of these project
24 tasks were performed pursuant to 49 C.F.R. § 192.457 for pipelines installed prior to
25 August 1, 1971. A portion of the pipeline projects were also performed pursuant to 49
26 C.F.R. § 192.455, along with its Kansas adoption K.A.R. 82-11-4(b)(13), as certain

1 sections of the identified segments have had main sections replaced after August 1,
2 1971. The activities identified in these projects included the installation of new facilities
3 that we determined to more efficiently reduced corrosion on the pipelines. The total
4 capital expenditure for the Cathodic Protection projects identified in Exhibit JRR-1 is
5 \$518,320.

6 **Q. PLEASE EXPLAIN THE CATEGORY IDENTIFIED AS “CONTINUING**
7 **SURVEILLANCE.”**

8 A. 49 C.F.R. § 192.613, as adopted by K.A.R. 82-11-4, requires each operator to have a
9 procedure for continuing surveillance of its facilities to determine and take appropriate
10 action concerning changes in class location, failures, leakage history, corrosion,
11 substantial changes in cathodic protection requirements, and other unusual operating
12 and maintenance conditions. The rule also requires that if a segment of pipe is
13 determined to be in unsatisfactory condition (but no immediate hazard exists), the
14 operator shall initiate a program to recondition or phase out the segment involved.
15 However, if the segment cannot be reconditioned or phased out, the operator shall
16 reduce the maximum allowable operating pressure in accordance with 49 C.F.R. §
17 192.619(a) and (b), as adopted by K.A.R. 82-11-4. The job activities identified in
18 Exhibit JRR-1, under the heading of Continuing Surveillance, represent projects
19 undertaken by Kansas Gas Service that involve phasing out pipe segments
20 determined to be in unsatisfactory condition but where no immediate hazard exists.
21 The total capital expenditure for the Continuing Surveillance projects identified in
22 Exhibit JRR-1 is \$3,032,999.

23 **Q. PLEASE DISCUSS THE PROJECTS UNDER THE CATEGORY “PHYSICAL**
24 **SECURITY.”**

25 A. Senate Bill No. 279, among other things, created K.S.A. 66-2202(f)(4). Pursuant to
26 this section, system security costs incurred by a natural gas public utility may be

1 included in a GSRS filing. K.S.A. 66-2202(i) defines “system security,” in part, as
2 “capital expenditures to protect a utility’s capital assets, including both physical assets
3 and cyber assets.” Projects identified in Exhibit JRR-1 as “Physical Security” are those
4 projects the Company undertook to protect physical assets. The investments were
5 made to implement electronic security measures by adding access control,
6 surveillance, intrusion detection, fencing, lighting and secure cabinet enclosures. The
7 total capital expenditure related to physical security investments is \$728,614.

8 **Q. PLEASE DISCUSS THE PROJECTS INCLUDED UNDER THE CATEGORY**
9 **“PIPELINE SYSTEM COMPONENTS.”**

10 A. Pursuant to Senate Bill No. 279, which among other things, amended K.S.A. 66-
11 2202(f)(1) and was summarized above, Kansas Gas Service is replacing pipeline
12 system components, such as odorizers and compressor valves that are obsolete. The
13 total capital expenditure for Pipeline System Component(s) replacement identified in
14 Exhibit JRR-1 is \$5,637,484.

15 **Q. PLEASE EXPLAIN THE PROJECTS LISTED UNDER CATEGORY “PRESSURE**
16 **AND MEASUREMENT (OBSCOLESCENCE).”**

17 A. Pursuant to Senate Bill No. 279, which among other things, amended K.S.A. 66-
18 2202(f)(1) and was summarized above, Kansas Gas Service is replacing pipeline
19 system components, such as meters and regulators needed for ongoing operations.
20 The total capital expenditure for Pressure & Measurement components identified in
21 Exhibit JRR-1 is \$999,044.

22 **Q. PLEASE PROVIDE AN EXPLANATION FOR EXHIBIT JRR-2 RELATING TO**
23 **GOVERNMENTALLY MANDATED RELOCATION PROJECTS.**

24 A. Exhibit JRR-2 identifies each governmentally mandated relocation project included in
25 this GSRS filing. The Exhibit provides a description and location of the project, the
26 unitization date of the project, the cost of the project, and the governmental entity

1 which required the relocation of our facilities. The total expenditure for all projects
2 identified in Exhibit JRR-2 is \$10,750,330.

3 **Q. PLEASE PROVIDE FURTHER DETAILS REGARDING THE COMPANY'S SERVICE**
4 **LINE REPLACEMENT PROGRAM IDENTIFIED IN EXHIBIT JRR-3.**

5 A. As stated above, the projects in this category relate to the replacement of service lines
6 from the main in the street to the house. These service line replacements have been
7 implemented for safety and public improvement reasons. The safety related reasons
8 are two-fold. The service lines themselves may need to be replaced because of
9 deficiencies in the service line such as leaks or corrosion. The service lines are also
10 replaced for safety related reasons tied to safety related replacements of the main in
11 the streets. For example, if a main must be replaced as part of the 3-5-3 program, it
12 becomes necessary to also replace the steel unprotected service lines and reconnect
13 existing Polyethylene ("PE") service lines. When the main is replaced in the street,
14 the existing service line is disconnected and thus is no longer useful unless
15 reconnected. Typically, the cost to cathodically protect and reconnect the steel
16 unprotected service line to the new main will exceed the cost of simply installing a new
17 service line. Similar to the replacement of a service line due to replacement of a main
18 for safety reasons, service lines are also replaced when the main is relocated as a
19 result of a government mandated road relocation project. In these situations, the main
20 must be replaced as well as replacing or extending the existing service lines which
21 have been rendered useless through being disconnected from the old main as a result
22 of the road relocation. Again, the cost to cathodically protect and reconnect steel
23 unprotected service lines to the new main will exceed the cost of simply installing a
24 new PE service line.

25 **Q. PLEASE EXPLAIN THE STRUCTURE OF EXHIBIT JRR-3.**

1 A. In the box under the heading “Blanket Service Line Summary,” I have listed the
2 categories supporting the service line replacements. If a service line replacement is
3 due to a safety related requirement, the applicable safety related code requirement is
4 listed. If the service line replacement is due to a Public Improvement project, I have
5 identified it as such. Exhibit JRR-3 then sets forth the dollar value and number of
6 service lines replaced by year and category. For example, the “Routine Replacement
7 – Leak” category had \$1,331,124 in service line replacement costs involving 400
8 service lines. In the box under the heading “Non-Service Line Related Blanket
9 Summary,” there are three categories of blanket non-service line projects which I will
10 explain below.

11 **Q. PLEASE EXPLAIN EACH OF THE SERVICE LINE REPLACEMENT CATEGORIES**
12 **IDENTIFIED IN EXHIBIT JRR-3.**

13 A. I have placed the safety related service line replacements at the beginning of the
14 Blanket Service Line Summary in Exhibit JRR-3 and service line replacements for
15 public improvements at the bottom of the Blanket Service Line Summary. The first
16 safety category, “Routine Replacement-Leak”, includes the replacement of service
17 lines that were replaced due to leakage classified under the leak classification
18 guidelines found in 49 C.F.R. § 192.703 (and subject to 49 C.F.R. § 192.453(b)), and
19 their respective Kansas regulations. These regulations require unprotected steel
20 service lines found to have active corrosion be either protected or replaced. As shown
21 in Exhibit JRR-3, during the period beginning July 1, 2022, through June 30, 2023, 400
22 service lines were replaced at a cost of \$1,331,124 for this category.

23 **Q. PLEASE EXPLAIN THE “ROUTINE REPLACEMENT – NON-LEAKING**
24 **UNPROTECTED PIPE” CATEGORY.**

25 A. This category includes replacement of unprotected steel service lines that were not
26 leaking. The unprotected steel service lines were replaced to comply with various

1 regulations including 49 C.F.R. § 192.613(b), as adopted by K.A.R. 82-11-4, which
2 requires piping found to be unsatisfactory be phased out or replaced. Replacement
3 reasons include issues such as:

- 4 • The service line's tap was exposed during maintenance of main and corrosion
5 was found requiring replacement pursuant to 49 C.F.R. § 192.453(b), as
6 adopted by K.A.R. 82-11-4;
- 7 • The service line was exposed during pot-holing and corrosion was found
8 requiring replacement per 49 C.F.R. § 192.453(b), as adopted by K.A.R. 82-
9 11-4;
- 10 • The service line was under the influence of soil subsidence found through
11 patrolling and required replacement pursuant to 49 C.F.R. § 192.721, as
12 adopted by K.A.R. 82-11-4; and
- 13 • The current location of the service line was found to be too shallow and
14 required replacement pursuant to 49 C.F.R. § 192.613, as adopted by K.A.R.
15 82-11-4.

16 All service lines included in this category are subject to 49 C.F.R. § 192.453, as
17 adopted by K.A.R. 82-11-4, which will inevitably trigger replacement of all unprotected
18 steel lines by regulation. These service lines were also replaced pursuant to the
19 Commission's Order in the 177 Docket, in accordance with the service line
20 replacement program. As shown in Exhibit JRR-3, during the period beginning July 1,
21 2022, through June 30, 2023, the Company replaced 8,137 service lines at a cost of
22 \$27,078,396 for this category.

23 **Q. PLEASE EXPLAIN THE "PUBLIC IMPROVEMENT" CATEGORY.**

24 A. As explained in my testimony above related to Exhibit JRR-2, government mandated
25 relocation projects require the Company to relocate its mains in the street. The costs

1 of government mandated relocation projects are recoverable pursuant to K.S.A. 66-
2 2202(f)(3). When performing main relocation (which is the installation of new main)
3 Kansas Gas Service will install new service line piping to reconnect existing plastic
4 services and will also replace the unprotected steel service lines with new plastic
5 service lines. These service line replacements may have also resulted from a direct
6 conflict with a governmental relocation project where no conflict existed with the main
7 piping. In these cases, only the service line needed to be replaced, whereas the main
8 did not need to be replaced. As shown in Exhibit JRR-3, during the period July 1,
9 2022, through June 30, 2023, Kansas Gas Service replaced 24 service lines at a cost
10 of \$79,867 for this category.

11 **Q. PLEASE EXPLAIN THE CATEGORIES IN THE BOX FOR “NON-SERVICE LINE**
12 **RELATED BLANKET.”**

13 A. These blanket costs address small projects other than service lines. The first group,
14 “install anodes,” is GSRS eligible pursuant to K.S.A. 66-2202(f)(1), as amended, and
15 49 C.F.R. §§ 192.455 and 192.457, as adopted by K.A.R. 82-11-4. The total capital
16 expenditure for these projects is \$677,446. These anodes represent projects which
17 involve ten anodes or less and thus are included in a blanket work order. The other
18 category, “Weld Sleeve High Resist Couplings” includes installation of weld sleeves
19 over high resistance couplings which are required pursuant to either 49 C.F.R. §§
20 192.457 or 192.455, as adopted by K.A.R. 82-11-4, to reduce the possibility of
21 corrosion of pipes, thereby significantly reducing the chance for leaks and risk to the
22 general public. The total capital expenditure for these projects is \$349,995.

23

24 The last two categories are related to meter replacement programs. First, Kansas Gas
25 Service includes meter costs related to our meter changeout program. Pursuant to
26 the General Terms and Condition 9.02.03, Kansas Gas Service is required to routinely

1 test its meters. Kansas Gas Service uses a meter sampling program to determine
2 which meters need to be replaced because of possible inaccuracy and failures to meet
3 current industry standards. The total capital expenditure for these projects is
4 \$11,057,844. Second, Kansas Gas Service is replacing the obsolete Cellnet devices
5 in the KC Metro area with AMR devices. The total capital expenditure included for this
6 program is \$2,334,287.

7 **Q. CAN YOU PLEASE EXPLAIN EXHIBIT JRR-4?**

8 A. Exhibit JRR-4 sets forth the applicability of section 49 C.F.R. § 192.613, as adopted
9 by K.A.R. 82-11-4, to those safety related projects identified in Exhibit JRR-1. There
10 are thirty five (35) projects that are identified in JRR-1, whose inclusion as a safety
11 related project is eligible for recovery in whole or in part under K.S.A. 66-2202(f)(1),
12 as amended, pursuant to 49 C.F.R. § 192.613, as adopted by K.A.R. 82-11-4.

13 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

14 A. Yes, it does at the current time.

VERIFICATION

STATE OF KANSAS)
) ss.
COUNTY OF SEDGWICK)

Jordan R. Robl, being duly sworn upon his oath, deposes and states that he is Manager of Engineering for Kansas Gas Service, a Division of ONE Gas, Inc.; that he has read and is familiar with the foregoing Direct Testimony filed herewith; and that the statements made therein are true to the best of his knowledge, information, and belief.



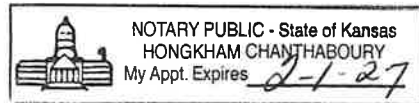
JORDAN R. ROBL

Subscribed and sworn to before me this 25th day of August, 2023.



NOTARY PUBLIC

My Appointment Expires:
2-1-27



Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
1	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	9/19/2022	3522	054	011616	10th and Chester - 3-5-3 BS Main Replacement. To Install: 1000' 4" PE Main 125' 2" PE Main. To Retire: 960' 3" BS Main 15' 2" CS Main 10' 2" PE Main	3760	\$134,339
2	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	9/19/2022	3522	054	011616	10th and Chester - 3-5-3 BS Main Replacement. To Install: 1000' 4" PE Main 125' 2" PE Main. To Retire: 960' 3" BS Main 15' 2" CS Main 10' 2" PE Main	3765	\$6,840
3	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	9/19/2022	3522	054	011616	10th and Chester - 3-5-3 BS Main Replacement. To Install: 1000' 4" PE Main 125' 2" PE Main. To Retire: 960' 3" BS Main 15' 2" CS Main 10' 2" PE Main	3769	\$3,658
4	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	9/19/2022	3522	054	011616	10th and Chester - 3-5-3 BS Main Replacement. To Install: 1000' 4" PE Main 125' 2" PE Main. To Retire: 960' 3" BS Main 15' 2" CS Main 10' 2" PE Main	3800	\$59,797
	3-5-3 Program Replacement Total								\$204,633
5	Bare Steel Main Replacement	K.S.A. 66-2202	8/2/2022	3522	054	011639	6705 W 56th St, Mission, KS. Install 20' 2"CS main. Retire 10' 2" BS main Leak Repair: Install 20' 2"CS main to permanently repair the class 1 leak.	3765	\$9,841
6	Bare Steel Main Replacement	K.S.A. 66-2202	8/25/2022	3635	054	010225	BS Main Replacement - 2992 17th Ave, Lindsborg - Retire 350' of 1.25" PVC main in conjunction with the BS service line renewal at the same address. 69' of the 350" is no longer needed to serve any customers. 3 additional BS service line renewals. Install 100' 2" PE Main	3760	\$3,797
7	Bare Steel Main Replacement	K.S.A. 66-2202	8/25/2022	3635	054	010225	BS Main Replacement - 2992 17th Ave, Lindsborg - Retire 350' of 1.25" PVC main in conjunction with the BS service line renewal at the same address. 69' of the 350" is no longer needed to serve any customers. 3 additional BS service line renewals. Install 100' 2" PE Main	3800	\$831
8	Bare Steel Main Replacement	K.S.A. 66-2202	8/25/2022	3635	054	010225	BS Main Replacement - 2992 17th Ave, Lindsborg - Retire 350' of 1.25" PVC main in conjunction with the BS service line renewal at the same address. 69' of the 350" is no longer needed to serve any customers. 3 additional BS service line renewals. Install 100' 2" PE Main	3820	\$398
9	Bare Steel Main Replacement	K.S.A. 66-2202	8/25/2022	3621	054	010333	BS Main Replacement - 317 Main St, Bison - Retire 20' of 2" RPBS main due to leak on existing main segment with inadequate remaining wall thickness to complete permanent repairs. Install 25' of 2" RPCS main.	3765	\$2,418
10	Bare Steel Main Replacement	K.S.A. 66-2202	8/29/2022	3721	054	012684	Main Replacement - 335 N Derby, Derby - Retire 150' of 2" APBS main due to leak on existing main segment. Install 150' of 2" PE main.	3760	\$18,144
11	Bare Steel Main Replacement	K.S.A. 66-2202	8/29/2022	3721	054	012684	Main Replacement - 335 N Derby, Derby - Retire 150' of 2" APBS main due to leak on existing main segment. Install 150' of 2" PE main.	3769	\$5,446
12	Bare Steel Main Replacement	K.S.A. 66-2202	8/29/2022	3721	054	012684	Main Replacement - 335 N Derby, Derby - Retire 150' of 2" APBS main due to leak on existing main segment. Install 150' of 2" PE main.	3800	\$22,348
13	Bare Steel Main Replacement	K.S.A. 66-2202	9/2/2022	3622	054	010295	BS Main Replacement - Jackson & Pitzer, Pratt - Retire 225' of 2" RPBS main due to leak on existing main segment. Install 225' of 2" PE main.	3760	\$5,014
14	Bare Steel Main Replacement	K.S.A. 66-2202	9/2/2022	3622	054	010295	BS Main Replacement - Jackson & Pitzer, Pratt - Retire 225' of 2" RPBS main due to leak on existing main segment. Install 225' of 2" PE main.	3800	\$80
15	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3653	054	010142	826 Pony Express Hwy, Marysville, KS - To Install: 875-foot 2-inch PE. To Retire: 615-foot 2-inch APBS, 428-foot 2-inch APCS, 25-foot 2-inch PE. : This project is a replacement project to replace 615-foot 2-inch BS and that was found to have a leak that required a permanent repair.	3760	\$50,905
16	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3761	054	010342	BS Main Replacement - 850 S State St, Fort Scott - Retire 150' of 2" APBS and 50' of 4" APCS main due to several leaking Dresser couplings and leaking threaded fittings. Install 210' of 2" PE main.	3760	\$4,676
17	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3761	054	010342	BS Main Replacement - 850 S State St, Fort Scott - Retire 150' of 2" APBS and 50' of 4" APCS main due to several leaking Dresser couplings and leaking threaded fittings. Install 210' of 2" PE main.	3800	\$1,169
18	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3761	054	010344	BS Main Replacement - 12th & Garfield, Baxter Springs - Retire 250' of 3" UPBS main due to leak on existing main segment. Install 195' of 2" PE main.	3760	\$32,242
19	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3761	054	010344	BS Main Replacement - 12th & Garfield, Baxter Springs - Retire 250' of 3" UPBS main due to leak on existing main segment. Install 195' of 2" PE main.	3800	\$7,047
20	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3631	054	010436	BS Main Replacement - 1004 W 2nd, Hutchinson Ave - Retire 20' of 2" BS main due to leaking coupling on existing main segment. Install 20' of 2" PE main.	3760	\$4,286
21	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3541	054	010720	Install 260' 2" PE. Retire 220' 2" BS. 305 Whitfield St, Lecompton KS. This project is a replacement project to replace bare steel main that has a tap that is inaccessible.	3760	\$16,669
22	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3541	054	010720	Install 260' 2" PE. Retire 220' 2" BS. 305 Whitfield St, Lecompton KS. This project is a replacement project to replace bare steel main that has a tap that is inaccessible.	3800	\$15,691
23	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3522	054	011601	E Main & White Dr, Gardner, KS - 2022 Bare Steel Replacement. Install: 150' of 2" PE main. Retire: 150' of 2" BS main There is 1 plastic service to tie over. This work is being done as part of the 2022 Bare Steel Replacement Projects.	3760	\$12,988
24	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3522	054	011601	E Main & White Dr, Gardner, KS - 2022 Bare Steel Replacement. Install: 150' of 2" PE main. Retire: 150' of 2" BS main There is 1 plastic service to tie over. This work is being done as part of the 2022 Bare Steel Replacement Projects.	3769	\$1,163
25	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3522	054	011663	BS Main Replacement - 7828 Birch St, Mission, KS - To Install - 75' of 2" PE Main. To retire - 65' of 3" BS Main. This work is being done to fix a leak at 7828 Birch st. Install a dog leg using 2" PE main to bypass the current leak.	3765	\$2,340
26	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3721	054	012696	BS Main Replacement - 1656 S Old Manor, Wichita - Retire 20' of 2" APBS and 20' of 2" APCS main due to leak on existing main segment. Install 40' of 2" PE main.	3760	\$18,568
27	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3721	054	012696	BS Main Replacement - 1656 S Old Manor, Wichita - Retire 20' of 2" APBS and 20' of 2" APCS main due to leak on existing main segment. Install 40' of 2" PE main.	3800	\$1,268
28	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3721	054	012697	BS Main Replacement - 1728 E Looman, Wichita - Retire 40' of 2" APBS main due to leak on existing main segment. Install 40' of 2" PE main.	3760	\$5,803
29	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3721	054	012697	BS Main Replacement - 1728 E Looman, Wichita - Retire 40' of 2" APBS main due to leak on existing main segment. Install 40' of 2" PE main.	3769	\$4,641
30	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3721	054	012699	BS Main Replacement - 5507 E Gramar, Wichita - Retire 20' of 2" APBS main to permanently repair and replace a tightened Dresser coupling due to leak on existing main segment. Install 20' of 2" PE main.	3760	\$4,779
31	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3721	054	012699	BS Main Replacement - 5507 E Gramar, Wichita - Retire 20' of 2" APBS main to permanently repair and replace a tightened Dresser coupling due to leak on existing main segment. Install 20' of 2" PE main.	3769	\$5,528
32	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3721	054	012703	BS Main Replacement - 4201 E Bel Aire, Wichita - Retire 20' of 2" RPBS main to permanently repair and replace a clamped leak on existing main segment. Install 20' of 2" RPCS main.	3765	\$2,703
33	Bare Steel Main Replacement	K.S.A. 66-2202	9/19/2022	3721	054	012703	BS Main Replacement - 4201 E Bel Aire, Wichita - Retire 20' of 2" RPBS main to permanently repair and replace a clamped leak on existing main segment. Install 20' of 2" RPCS main.	3800	\$6,057
34	Bare Steel Main Replacement	K.S.A. 66-2202	9/20/2022	3631	054	010438	BS Main Replacement - 513 N Main, South Hutchinson - Retire 145' of 2" BS vertical main attached to the rear the building. Install 150' of 2" PE main.	3742	\$168
35	Bare Steel Main Replacement	K.S.A. 66-2202	9/20/2022	3631	054	010438	BS Main Replacement - 513 N Main, South Hutchinson - Retire 145' of 2" BS vertical main attached to the rear the building. Install 150' of 2" PE main.	3760	\$4,782
36	Bare Steel Main Replacement	K.S.A. 66-2202	9/20/2022	3631	054	010438	BS Main Replacement - 513 N Main, South Hutchinson - Retire 145' of 2" BS vertical main attached to the rear the building. Install 150' of 2" PE main.	3800	\$6,190
37	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3761	054	010341	BS Main Replacement - Clark & E. 1st St, Fort Scott - Retire 52' of 6" APBS main due to leak on existing main segment. Install 90' of 6" APCS main.	3765	\$26,608
38	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3761	054	010345	BS Main Replacement - 602 Short St, Fort Scott - Retire 55' of 2" RPBS, 119' of 4" RPBS main due to leak on existing main segment. Install 160' of 2" PE main.	3760	\$19,512
39	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3761	054	010346	BS Main Replacement - Franklin and Pine St, Fort Scott - Retire 212' of 2" APBS main due to leak on existing main segment with multiple exposed clamps and threaded collars. Install 220' of 2" PE main.	3760	\$17,950

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
40	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3761	054	010347	BS Main Replacement - 2102 Holbrook St, Fort Scott - Retire 15' of 6" RPCS, 15' of 4" RPCS, and 5' of 2" RPBS main due to leaking Dresser coupling. Install 40' of 4" RPCS and 10' of 2" RPCS main.	3765	\$14,030
41	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3642	054	010396	BS Main Replacement - Court & Grant, Smith Center - Retire 163' of 4" RPBS main due to leak on inlet riser to DRS 0004. Install 140' of 4" CS main.	3765	\$10,025
42	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3642	054	010396	BS Main Replacement - Court & Grant, Smith Center - Retire 163' of 4" RPBS main due to leak on inlet riser to DRS 0004. Install 140' of 4" CS main.	3780	\$16,938
43	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3631	054	010442	BS Main Replacement - Main & Hwy 4, Geneseo - Retire 90' of 2" BS main due to leak on tightened Dresser coupling. Install 20' of 2" PE main.	3760	\$7,684
44	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3741	054	010483	BS Main Replacement - 3rd & Central, Ark City - Retire 220' of 3" RPBS main as part of the 2022 annual work plan projects. Install 220' of 4" PE main.	3760	\$8,903
45	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3741	054	010483	BS Main Replacement - 3rd & Central, Ark City - Retire 220' of 3" RPBS main as part of the 2022 annual work plan projects. Install 220' of 4" PE main.	3800	\$4,588
46	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3741	054	010487	BS Main Replacement - 3rd & Chestnut, Douglass - Retire 1,056' of 2" RPBS and 188' of 2" RPCS main as part of the 2022 annual work plan projects. Install 660' of 2" CS.	3765	\$47,686
47	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3741	054	010487	BS Main Replacement - 3rd & Chestnut, Douglass - Retire 1,056' of 2" RPBS and 188' of 2" RPCS main as part of the 2022 annual work plan projects. Install 660' of 2" CS.	3800	\$4,146
48	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3522	054	011666	1000 S 46th Ter - Main Replacement for Leak Repair. To Install: 30' 4" PE Main. To Retire: 20' 4" BS Main 10' 4" PE Main. This work is being done to replace the 4" BS main at 1000 S 46th Ter in KCK. The crew was sent out to repair leak LK2020-10045209 and they discovered back to back handy bands which would not allow them to install a pumpkin. The main will be replaced to eliminate the handy bands and make the permanent repair. The BS main was installed in 1930.	3760	\$13,406
49	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3721	054	012577	BS Main Replacement - Alexander & Hunter Dr, Haysville - Retire 172' of 2" UPBS and 3' of 2" APCS main as part of the 2021 annual work plan projects. Install 190' of 2" PE main.	3760	\$16,746
50	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3721	054	012577	BS Main Replacement - Alexander & Hunter Dr, Haysville - Retire 172' of 2" UPBS and 3' of 2" APCS main as part of the 2021 annual work plan projects. Install 190' of 2" PE main.	3769	\$1,062
51	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3721	054	012594	BS Main Replacement - Grand & Mimosa Dr., Haysville - Retire 135' of 4" UPBS main serving a single customer and as part of the annual BS replacement requirements. Install 180' of 2" PE main.	3760	\$13,502
52	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3721	054	012622	BS Main Replacement- Rose & Prospect, Clearwater - Retire 30' of 6" RPCS, 653' of 2" RPBS, 39' of 2" RPCS and 350' of 3" RPBS main as part of the 2022 annual work plan projects. Install 1,040' of 2" CS and 30' of 6" CS main.	3765	\$112,341
53	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3721	054	012622	BS Main Replacement- Rose & Prospect, Clearwater - Retire 30' of 6" RPCS, 653' of 2" RPBS, 39' of 2" RPCS and 350' of 3" RPBS main as part of the 2022 annual work plan projects. Install 1,040' of 2" CS and 30' of 6" CS main.	3800	\$3,529
54	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3721	054	012695	BS Main Replacement - 4000 E Bel Aire, Wichita - Retire 25' of 2" RPBS main to permanently repair and replace a clamp due to leak on existing main segment. Pipe wall has minimal remaining wall thickness preventing the installation of split-reinforcement sleeve. Install 25' of 2" CS main.	3765	\$5,147
55	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3721	054	012695	BS Main Replacement - 4000 E Bel Aire, Wichita - Retire 25' of 2" RPBS main to permanently repair and replace a clamp due to leak on existing main segment. Pipe wall has minimal remaining wall thickness preventing the installation of split-reinforcement sleeve. Install 25' of 2" CS main.	3800	\$11,868
56	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3721	054	012705	BS Main Replacement - 22nd & Rutland, Wichita - Retire 177' of 4" APCS and 207" of 2" PE main due to leak on existing main segment. Install 400' of 2" PE main.	3760	\$3,745
57	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3721	054	012730	BS Main Replacement - 1159 N Edwards, Wichita - Retire 200' of 2" UPBS main due to corrosion leak. Install 200' of 2" PE main.	3760	\$6,290
58	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3721	054	012730	BS Main Replacement - 1159 N Edwards, Wichita - Retire 200' of 2" UPBS main due to corrosion leak. Install 200' of 2" PE main.	3769	\$1,534
59	Bare Steel Main Replacement	K.S.A. 66-2202	10/25/2022	3721	054	012730	BS Main Replacement - 1159 N Edwards, Wichita - Retire 200' of 2" UPBS main due to corrosion leak. Install 200' of 2" PE main.	3800	\$84
60	Bare Steel Main Replacement	K.S.A. 66-2202	10/27/2022	3532	054	010303	BS Main Replacement - 426 E 6th, Holton - Retire 614' of 2" RPBS main due to leak on existing main segment with inadequate wall thickness to complete repairs. Install 680' of 2" RPCS main.	3760	\$9,730
61	Bare Steel Main Replacement	K.S.A. 66-2202	10/27/2022	3532	054	010303	BS Main Replacement - 426 E 6th, Holton - Retire 614' of 2" RPBS main due to leak on existing main segment with inadequate wall thickness to complete repairs. Install 680' of 2" RPCS main.	3765	\$29,219
62	Bare Steel Main Replacement	K.S.A. 66-2202	10/27/2022	3532	054	010303	BS Main Replacement - 426 E 6th, Holton - Retire 614' of 2" RPBS main due to leak on existing main segment with inadequate wall thickness to complete repairs. Install 680' of 2" RPCS main.	3800	\$11,299
63	Bare Steel Main Replacement	K.S.A. 66-2202	10/27/2022	3532	054	010306	BS Main Replacement - 215 W 5th St, Horton - Retire 174' of 4" BS and 63' of 4" CS main due to extensive corrosion pitting. Install 240' of 4" CS main. 1 BS service line renewal.	3765	\$49,831
64	Bare Steel Main Replacement	K.S.A. 66-2202	10/27/2022	3532	054	010306	BS Main Replacement - 215 W 5th St, Horton - Retire 174' of 4" BS and 63' of 4" CS main due to extensive corrosion pitting. Install 240' of 4" CS main. 1 BS service line renewal.	3800	\$6,380
65	Bare Steel Main Replacement	K.S.A. 66-2202	10/27/2022	3721	054	012698	BS Main Replacement - 301 S Callahan, Wichita - Retire 225' of 2" APBS main due to leak on existing main segment. Install 225' of 2" PE main.	3760	\$17,078
66	Bare Steel Main Replacement	K.S.A. 66-2202	10/27/2022	3721	054	012698	BS Main Replacement - 301 S Callahan, Wichita - Retire 225' of 2" APBS main due to leak on existing main segment. Install 225' of 2" PE main.	3769	\$2,433
67	Bare Steel Main Replacement	K.S.A. 66-2202	10/27/2022	3721	054	012698	BS Main Replacement - 301 S Callahan, Wichita - Retire 225' of 2" APBS main due to leak on existing main segment. Install 225' of 2" PE main.	3800	\$8,970
68	Bare Steel Main Replacement	K.S.A. 66-2202	11/2/2022	3721	054	012673	BS Main Replacement - 2668 S Minnesota, Wichita - Retire 150' of 4" UPBS and 50' of 2" BS main due to leaking valve stop on existing main segment. Install 150' of 4" PE and 50' of 2" PE main.	3760	\$39,462
69	Bare Steel Main Replacement	K.S.A. 66-2202	11/2/2022	3721	054	012673	BS Main Replacement - 2668 S Minnesota, Wichita - Retire 150' of 4" UPBS and 50' of 2" BS main due to leaking valve stop on existing main segment. Install 150' of 4" PE and 50' of 2" PE main.	3769	\$7,557
70	Bare Steel Main Replacement	K.S.A. 66-2202	11/2/2022	3721	054	012673	BS Main Replacement - 2668 S Minnesota, Wichita - Retire 150' of 4" UPBS and 50' of 2" BS main due to leaking valve stop on existing main segment. Install 150' of 4" PE and 50' of 2" PE main.	3800	\$4,891
71	Bare Steel Main Replacement	K.S.A. 66-2202	11/2/2022	3721	054	012712	BS Main Replacement - 417 St. Louis, Conway Springs - Retire 1,175 of 2" BS main 150' of 2" CS main due to leak on existing main segment. Install 200' of 4" PE main.	3760	\$8,199
72	Bare Steel Main Replacement	K.S.A. 66-2202	11/2/2022	3721	054	012712	BS Main Replacement - 417 St. Louis, Conway Springs - Retire 1,175 of 2" BS main 150' of 2" CS main due to leak on existing main segment. Install 200' of 4" PE main.	3800	\$13,702
73	Bare Steel Main Replacement	K.S.A. 66-2202	11/10/2022	3651	054	010154	BS Main Replacement - 119 Grant Ave, Junction City, KS - To Install: 5-feet of 2-inch PE, 740-feet of 4-inch PE. To Retire: 90-feet 1-1/4-inch APBS, 250-feet 1-1/4-inch APCS, 645-feet 4-inch APBS Main Replacement project: This project is a main replacement due to a shorted casing that crosses underneath the RR near 119 Grant Ave as well as a leak that was repaired on the same main.	3760	\$40,512
74	Bare Steel Main Replacement	K.S.A. 66-2202	11/10/2022	3651	054	010154	BS Main Replacement - 119 Grant Ave, Junction City, KS - To Install: 5-feet of 2-inch PE, 740-feet of 4-inch PE. To Retire: 90-feet 1-1/4-inch APBS, 250-feet 1-1/4-inch APCS, 645-feet 4-inch APBS Main Replacement project: This project is a main replacement due to a shorted casing that crosses underneath the RR near 119 Grant Ave as well as a leak that was repaired on the same main.	3800	\$15,757
75	Bare Steel Main Replacement	K.S.A. 66-2202	11/10/2022	3651	054	010158	Leavenworth St. (Delaware Ave. to Denison Ave.) Manhattan, KS - Install: 300' of 2" PE. Retire: 250' of BS, 50' of APCS Details: This CUE is to replace 250' of BS and 50' of APCS along Leavenworth St. that has been identified to have issues with cathodic protection.	3760	\$24,793

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
76	Bare Steel Main Replacement	K.S.A. 66-2202	11/10/2022	3651	054	010158	Leavenworth St. (Delaware Ave. to Denison Ave.) Manhattan, KS - Install: 300' of 2" PE. Retire: 250' of BS, 50' of APCS Details: This CUE is to replace 250' of BS and 50' of APCS along Leavenworth St. that has been identified to have issues with cathodic protection.	3769	\$1,557
77	Bare Steel Main Replacement	K.S.A. 66-2202	11/10/2022	3651	054	010158	Leavenworth St. (Delaware Ave. to Denison Ave.) Manhattan, KS - Install: 300' of 2" PE. Retire: 250' of BS, 50' of APCS Details: This CUE is to replace 250' of BS and 50' of APCS along Leavenworth St. that has been identified to have issues with cathodic protection.	3800	\$2,933
78	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3761	054	010330	BS Main Replacement - 8th & Cornwall Ave, Retire 1,310 of 2" BS and 43' of 2" APCS main as part of the 2022 annual work plan projects. Install 1,100' of 2" PE main.	3760	\$178,375
79	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3761	054	010330	BS Main Replacement - 8th & Cornwall Ave, Retire 1,310 of 2" BS and 43' of 2" APCS main as part of the 2022 annual work plan projects. Install 1,100' of 2" PE main.	3765	\$1,119
80	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3761	054	010330	BS Main Replacement - 8th & Cornwall Ave, Retire 1,310 of 2" BS and 43' of 2" APCS main as part of the 2022 annual work plan projects. Install 1,100' of 2" PE main.	3769	\$1,412
81	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3761	054	010330	BS Main Replacement - 8th & Cornwall Ave, Retire 1,310 of 2" BS and 43' of 2" APCS main as part of the 2022 annual work plan projects. Install 1,100' of 2" PE main.	3800	\$48,860
82	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3631	054	010431	BS Main Replacement - 27th & Adams, Hutchinson - Retire 1,152' of 4" UPBS and 101' of 4" APCS main as part of the 2022 annual work plan projects. Install 1,300' of 4" PE main.	3760	\$75,493
83	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3631	054	010431	BS Main Replacement - 27th & Adams, Hutchinson - Retire 1,152' of 4" UPBS and 101' of 4" APCS main as part of the 2022 annual work plan projects. Install 1,300' of 4" PE main.	3800	\$6,883
84	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3631	054	010431	BS Main Replacement - 27th & Adams, Hutchinson - Retire 1,152' of 4" UPBS and 101' of 4" APCS main as part of the 2022 annual work plan projects. Install 1,300' of 4" PE main.	3830	\$89
85	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012581	UPBS Main Replacement - E Pine & N Topeka, Wichita - Retire 650' of 6" UPBS main. Install 650' of 6" PE main as part of the 2022 annual work plan projects.	3760	\$163,876
86	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012581	UPBS Main Replacement - E Pine & N Topeka, Wichita - Retire 650' of 6" UPBS main. Install 650' of 6" PE main as part of the 2022 annual work plan projects.	3800	\$36,596
87	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012593	BS Main Replacement - 51st & Kansas, Wichita - Retire 885' off 4" RPBS and 58' of 4" RPCS main as part of the 2022 annual work plan projects. Install 950' of 4" CS main.	3765	\$110,879
88	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012593	BS Main Replacement - 51st & Kansas, Wichita - Retire 885' off 4" RPBS and 58' of 4" RPCS main as part of the 2022 annual work plan projects. Install 950' of 4" CS main.	3800	\$2,178
89	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012598	BS Main Replacement - 14th & Payne, Wichita - Retire 700' of 4" UPBS and 1,310' of 2" UPBS main as part of the 2022 annual work plan projects. Install 550' of 4" PE and 1,700' of 2" PE main.	3760	\$143,263
90	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012598	BS Main Replacement - 14th & Payne, Wichita - Retire 700' of 4" UPBS and 1,310' of 2" UPBS main as part of the 2022 annual work plan projects. Install 550' of 4" PE and 1,700' of 2" PE main.	3769	\$4,619
91	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012598	BS Main Replacement - 14th & Payne, Wichita - Retire 700' of 4" UPBS and 1,310' of 2" UPBS main as part of the 2022 annual work plan projects. Install 550' of 4" PE and 1,700' of 2" PE main.	3800	\$55,162
92	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012600	BS Main Replacement - Grand and Stewart, Haysville - Retire 524' of 2" APBS main as part of the 2022 annual work plan projects. Install 530' of 2" PE main.	3742	\$13,622
93	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012600	BS Main Replacement - Grand and Stewart, Haysville - Retire 524' of 2" APBS main as part of the 2022 annual work plan projects. Install 530' of 2" PE main.	3760	\$39,872
94	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012600	BS Main Replacement - Grand and Stewart, Haysville - Retire 524' of 2" APBS main as part of the 2022 annual work plan projects. Install 530' of 2" PE main.	3800	\$7,308
95	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012620	BS Main Replacement - 24th & Estelle, Wichita - Retire 1,460' of 2" RPBS main as part of the 2022 annual work plan projects. Install 1,480' of 2" PE main.	3760	\$69,830
96	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012620	BS Main Replacement - 24th & Estelle, Wichita - Retire 1,460' of 2" RPBS main as part of the 2022 annual work plan projects. Install 1,480' of 2" PE main.	3800	\$23,752
97	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012620	BS Main Replacement - 24th & Estelle, Wichita - Retire 1,460' of 2" RPBS main as part of the 2022 annual work plan projects. Install 1,480' of 2" PE main.	3805	\$16,682
98	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012663	BS Main Replacement - Elizabeth and Stillwell, Wichita - Retire 1263' of 4" UPBS; 634' of 3" UPBS; 3,706' of 2" UPBS; 135' of 2" APCS and 334' of 2" PE main as part of the 2022 annual work plan projects. Install 7,030' of 2" PE main.	3760	\$413,108
99	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012663	BS Main Replacement - Elizabeth and Stillwell, Wichita - Retire 1263' of 4" UPBS; 634' of 3" UPBS; 3,706' of 2" UPBS; 135' of 2" APCS and 334' of 2" PE main as part of the 2022 annual work plan projects. Install 7,030' of 2" PE main.	3800	\$212,472
100	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012740	BS Main Replacement - 9th & Main, Kiowa - Retire 500' of 3" RPBS main due to leak and minimal remaining wall thickness on existing main segment. Install 500' of 4" PE main.	3760	\$25,290
101	Bare Steel Main Replacement	K.S.A. 66-2202	11/28/2022	3721	054	012740	BS Main Replacement - 9th & Main, Kiowa - Retire 500' of 3" RPBS main due to leak and minimal remaining wall thickness on existing main segment. Install 500' of 4" PE main.	3800	\$10,475
102	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3643	054	010071	BS Main Replacement - 17th & Lincoln, Concordia - Retire 323' of 2" BS main that is in close proximity to building foundations and located under a concrete alley. Relocate and install 100' of 2" PE main.	3760	\$4,465
103	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3643	054	010071	BS Main Replacement - 17th & Lincoln, Concordia - Retire 323' of 2" BS main that is in close proximity to building foundations and located under a concrete alley. Relocate and install 100' of 2" PE main.	3769	\$2,338
104	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3643	054	010071	BS Main Replacement - 17th & Lincoln, Concordia - Retire 323' of 2" BS main that is in close proximity to building foundations and located under a concrete alley. Relocate and install 100' of 2" PE main.	3800	\$37,289
105	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3631	054	010439	BS Main Replacement - 8 Cherokee Ln, Hutchinson - Retire 130' of 2" BS main due to leak on existing main segment. Install 130' of 2" PE main.	3760	\$9,685
106	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3741	054	010481	BS Main Replacement - 3rd & Washington, Ark City - Retire 225' of 3" RPBS main as part of the 2022 annual work plan projects. Install 225' of 4" PE.	3760	\$31,285
107	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3741	054	010503	BS Main Replacement - 706 E Cedar, Cambridge - Retire 150' of 2" APBS main due to leak on existing main segment with inadequate remaining wall thickness to complete a permanent repair. Install 150' of 2" RPCS main.	3765	\$10,521
108	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3741	054	010503	BS Main Replacement - 706 E Cedar, Cambridge - Retire 150' of 2" APBS main due to leak on existing main segment with inadequate remaining wall thickness to complete a permanent repair. Install 150' of 2" RPCS main.	3800	\$59
109	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3741	054	010505	BS Main Replacement - 710 W Vine, Ark City - Retire 220' of 2" APBS main due to leak on existing main segment with multiple leak clamps installed. Install 220' of 2" RPCS main.	3765	\$7,964
110	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3741	054	010505	BS Main Replacement - 710 W Vine, Ark City - Retire 220' of 2" APBS main due to leak on existing main segment with multiple leak clamps installed. Install 220' of 2" RPCS main.	3800	\$1,292
111	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3721	054	012515	BS Main Replacement - Wilma & Bluffview, Wichita - Retire 1,135' of 6" BS and 1,690' of 3" BS main as part of the 2021 annual work plan projects. Install 1,175' of 6" PE and 1,210' of 2" PE main.	3760	\$233,984
112	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3721	054	012515	BS Main Replacement - Wilma & Bluffview, Wichita - Retire 1,135' of 6" BS and 1,690' of 3" BS main as part of the 2021 annual work plan projects. Install 1,175' of 6" PE and 1,210' of 2" PE main.	3769	\$2,695
113	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3721	054	012515	BS Main Replacement - Wilma & Bluffview, Wichita - Retire 1,135' of 6" BS and 1,690' of 3" BS main as part of the 2021 annual work plan projects. Install 1,175' of 6" PE and 1,210' of 2" PE main.	3800	\$31,214

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
114	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3721	054	012658	BS Main Replacement - Fabrique & Zimmerly, Wichita - Retire 3,890' of 2" BS and 215' of 3" BS main as part of the 2022 annual work plan projects. Install 4,105' of 2" PE main.	3760	\$163,400
115	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3721	054	012658	BS Main Replacement - Fabrique & Zimmerly, Wichita - Retire 3,890' of 2" BS and 215' of 3" BS main as part of the 2022 annual work plan projects. Install 4,105' of 2" PE main.	3800	\$115,882
116	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3721	054	012688	BS Main Replacement - 1158 S High St, El Dorado - Retire 105' of 2" APBS main due to leaking coupling on existing main segment. Install 105' of 2" PE main.	3760	\$3,271
117	Bare Steel Main Replacement	K.S.A. 66-2202	12/1/2022	3721	054	012688	BS Main Replacement - 1158 S High St, El Dorado - Retire 105' of 2" APBS main due to leaking coupling on existing main segment. Install 105' of 2" PE main.	3800	\$76
118	Bare Steel Main Replacement	K.S.A. 66-2202	1/27/2023	3831	054	010302	BS Main Replacement - Main and Carson, Cherryvale - Retire 962' of 4" APBS - 395' of 4" UPBS and 103' of 2" UPBS main as part of the 2022 annual work plan projects. Install 950' of 4" PE main.	3760	\$85,692
119	Bare Steel Main Replacement	K.S.A. 66-2202	1/27/2023	3831	054	010302	BS Main Replacement - Main and Carson, Cherryvale - Retire 962' of 4" APBS - 395' of 4" UPBS and 103' of 2" UPBS main as part of the 2022 annual work plan projects. Install 950' of 4" PE main.	3800	\$17,122
120	Bare Steel Main Replacement	K.S.A. 66-2202	1/27/2023	3761	054	010329	BS Main Replacement - Broadway & Quincy, Pittsburg - Retire 278' of 2" UPBS, 25' of 3" UPBS, 253' of 4" UPBS - 26' of 2" APCS, 61' of 2" PE and 12' of 4" PE main as part of the 2022 annual work plan projects. Install 640' of 4" PE main.	3760	\$67,664
121	Bare Steel Main Replacement	K.S.A. 66-2202	1/27/2023	3761	054	010329	BS Main Replacement - Broadway & Quincy, Pittsburg - Retire 278' of 2" UPBS, 25' of 3" UPBS, 253' of 4" UPBS - 26' of 2" APCS, 61' of 2" PE and 12' of 4" PE main as part of the 2022 annual work plan projects. Install 640' of 4" PE main.	3800	\$4,890
122	Bare Steel Main Replacement	K.S.A. 66-2202	1/27/2023	3741	054	010506	Main Replacement - 408 Maple, Cambridge - Retire 750' of 2" BS main due to multiple clamped leaks on existing main segment. Install 300' of 2" CS and 70' of 2" PE main.	3760	\$2,209
123	Bare Steel Main Replacement	K.S.A. 66-2202	1/27/2023	3741	054	010506	Main Replacement - 408 Maple, Cambridge - Retire 750' of 2" BS main due to multiple clamped leaks on existing main segment. Install 300' of 2" CS and 70' of 2" PE main.	3765	\$10,862
124	Bare Steel Main Replacement	K.S.A. 66-2202	1/27/2023	3741	054	010506	Main Replacement - 408 Maple, Cambridge - Retire 750' of 2" BS main due to multiple clamped leaks on existing main segment. Install 300' of 2" CS and 70' of 2" PE main.	3800	\$1,751
125	Bare Steel Main Replacement	K.S.A. 66-2202	1/27/2023	3721	054	012704	BS Main Replacement - 2755 N Bluff, Wichita - Retire 240' of 4" APBS main due to clamped leak on existing main segment. Install 240' of 4" PE main.	3760	\$17,360
126	Bare Steel Main Replacement	K.S.A. 66-2202	1/27/2023	3721	054	012704	BS Main Replacement - 2755 N Bluff, Wichita - Retire 240' of 4" APBS main due to clamped leak on existing main segment. Install 240' of 4" PE main.	3769	\$948
127	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3622	054	010338	BS Main Replacement - 250 H Ave, Kingman - Retire 10' of 2" BS main in order to replace an uncovered Dresser coupling on existing main segment with minimal remaining wall thickness. Install 10' of 2" CS main.	3765	\$4,299
128	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3642	054	010399	BS Main Replacement - Washington & Parliament, Smith Center - Retire 463' of 2" BS and 195' of 1.25" BS main due to leak on existing main segment. Install 430' of 2" PE main.	3760	\$16,159
129	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3642	054	010399	BS Main Replacement - Washington & Parliament, Smith Center - Retire 463' of 2" BS and 195' of 1.25" BS main due to leak on existing main segment. Install 430' of 2" PE main.	3800	\$2,522
130	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012583	BS Main Replacement - 18th & Popular, Wichita - Retire 1,603' of 3" RPBS and 50' of 2" PE main as part of the 2023 annual work plan projects. Install 1,400' of 4" PE and 350' of 2" PE main.	3760	\$120,921
131	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012583	BS Main Replacement - 18th & Popular, Wichita - Retire 1,603' of 3" RPBS and 50' of 2" PE main as part of the 2023 annual work plan projects. Install 1,400' of 4" PE and 350' of 2" PE main.	3800	\$7,467
132	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012586	BS Main Replacement - Douglas Ave & Tara Ln, Wichita - Retire 634' of 6" UPBS and 63' of 4" APCS main as part of the 2022 annual work plan projects. Install 700' of 4" PE main.	3760	\$44,893
133	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012586	BS Main Replacement - Douglas Ave & Tara Ln, Wichita - Retire 634' of 6" UPBS and 63' of 4" APCS main as part of the 2022 annual work plan projects. Install 700' of 4" PE main.	3769	\$733
134	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012586	BS Main Replacement - Douglas Ave & Tara Ln, Wichita - Retire 634' of 6" UPBS and 63' of 4" APCS main as part of the 2022 annual work plan projects. Install 700' of 4" PE main.	3800	\$9,888
135	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012590	BS Main Replacement - 800 E 21st N, Wichita - Retire 1,058' of 12" BS main due to leak near RR tracks. Install 1,100' of 12" RPCS main.	3765	\$692,457
136	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012590	BS Main Replacement - 800 E 21st N, Wichita - Retire 1,058' of 12" BS main due to leak near RR tracks. Install 1,100' of 12" RPCS main.	3800	\$63,680
137	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012604	BS Main Replacement - Maple & Richmond, Wichita - Retire 190' of 2" RPBS main as part of the 2022 annual work plan projects. Install 40' of 2" CS main.	3765	\$289
138	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012604	BS Main Replacement - Maple & Richmond, Wichita - Retire 190' of 2" RPBS main as part of the 2022 annual work plan projects. Install 40' of 2" CS main.	3780	\$4,933
139	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012604	BS Main Replacement - Maple & Richmond, Wichita - Retire 190' of 2" RPBS main as part of the 2022 annual work plan projects. Install 40' of 2" CS main.	3800	\$7,493
140	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012604	BS Main Replacement - Maple & Richmond, Wichita - Retire 190' of 2" RPBS main as part of the 2022 annual work plan projects. Install 40' of 2" CS main.	3805	\$6,475
141	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012616	BS Main Replacement - Phelps and Eagle, Bentley - Retire 23' of 4" RPBS, 275' of 3" RPBS, 471' of RPBS, 15' of 4" RPCS, and 162' of 2" RPCS main as part of the 2022 annual work plan projects. Install 800' of 4" PE and 420' of 2" PE main.	3760	\$92,381
142	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012616	BS Main Replacement - Phelps and Eagle, Bentley - Retire 23' of 4" RPBS, 275' of 3" RPBS, 471' of RPBS, 15' of 4" RPCS, and 162' of 2" RPCS main as part of the 2022 annual work plan projects. Install 800' of 4" PE and 420' of 2" PE main.	3769	\$3,834
143	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012616	BS Main Replacement - Phelps and Eagle, Bentley - Retire 23' of 4" RPBS, 275' of 3" RPBS, 471' of RPBS, 15' of 4" RPCS, and 162' of 2" RPCS main as part of the 2022 annual work plan projects. Install 800' of 4" PE and 420' of 2" PE main.	3800	\$7,971
144	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012643	BS Main Replacement - Woodlawn & Castle, Wichita - Retire 2000' of 4" UPBS and 345' of 3" UPBS main as part of the 2022 annual work plan projects. Install 2,350' of 4" PE main.	3760	\$141,376
145	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012643	BS Main Replacement - Woodlawn & Castle, Wichita - Retire 2000' of 4" UPBS and 345' of 3" UPBS main as part of the 2022 annual work plan projects. Install 2,350' of 4" PE main.	3769	\$771
146	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012643	BS Main Replacement - Woodlawn & Castle, Wichita - Retire 2000' of 4" UPBS and 345' of 3" UPBS main as part of the 2022 annual work plan projects. Install 2,350' of 4" PE main.	3800	\$37,572
147	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012645	BS Main Replacement - Skinner & Gold, Wichita - Retire 1,030' of 4" UPBS main as part of the 2022 annual work plan projects. Install 1,030' of 4" PE main.	3760	\$86,978
148	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012645	BS Main Replacement - Skinner & Gold, Wichita - Retire 1,030' of 4" UPBS main as part of the 2022 annual work plan projects. Install 1,030' of 4" PE main.	3800	\$50,965
149	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012650	BS Main Replacement - Martinson and Marlboro, Wichita - Retire 3,890' of 2" UPBS, 959' of 2" of APBS, and 324' of 2" APCS main as part of the 2022 annual work plan projects. Install 5,300' of 2" PE main. 1 BS service line renewal	3760	\$225,002
150	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012650	BS Main Replacement - Martinson and Marlboro, Wichita - Retire 3,890' of 2" UPBS, 959' of 2" of APBS, and 324' of 2" APCS main as part of the 2022 annual work plan projects. Install 5,300' of 2" PE main. 1 BS service line renewal	3765	\$1,692
151	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012650	BS Main Replacement - Martinson and Marlboro, Wichita - Retire 3,890' of 2" UPBS, 959' of 2" of APBS, and 324' of 2" APCS main as part of the 2022 annual work plan projects. Install 5,300' of 2" PE main. 1 BS service line renewal	3800	\$179,881
152	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012651	BS Main Replacement - 29th & Millwood, Wichita - Retire 3,379' of UPBS, 154' of APBS, 33' of PE and 790' of APCS main as part of the 2022 annual work plan projects. Install 974' of 4" PE and 3,465' of 2" PE main.	3760	\$179,322
153	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012651	BS Main Replacement - 29th & Millwood, Wichita - Retire 3,379' of UPBS, 154' of APBS, 33' of PE and 790' of APCS main as part of the 2022 annual work plan projects. Install 974' of 4" PE and 3,465' of 2" PE main.	3769	\$2,138

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
154	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012651	BS Main Replacement - 29th & Millwood, Wichita - Retire 3,379' of UPBS, 154' of APBS, 33' of PE and 790' of APCS main as part of the 2022 annual work plan projects. Install 974' of 4" PE and 3,465' of 2" PE main.	3800	\$210,865
155	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012700	BS Main Replacement - 1401 E Fortuna, Wichita - Retire 20' of 2" RPBS main to permanently repair and replace a clamped leak on existing main segment. Install 20' of 2" RPCS main.	3765	\$11,393
156	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012700	BS Main Replacement - 1401 E Fortuna, Wichita - Retire 20' of 2" RPBS main to permanently repair and replace a clamped leak on existing main segment. Install 20' of 2" RPCS main.	3800	\$611
157	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012709	BS Main Replacement - 8113 E Kellogg, Wichita - Retire 105' of 2" UPBS main as part of the 2022 annual work plan projects. Install 105' of 2" PE main.	3760	\$8,842
158	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012709	BS Main Replacement - 8113 E Kellogg, Wichita - Retire 105' of 2" UPBS main as part of the 2022 annual work plan projects. Install 105' of 2" PE main.	3769	\$1,421
159	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012709	BS Main Replacement - 8113 E Kellogg, Wichita - Retire 105' of 2" UPBS main as part of the 2022 annual work plan projects. Install 105' of 2" PE main.	3800	\$68
160	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012711	BS Main Replacement - 4903 E 31st St S, Wichita - Retire 700' of 4" UPBS main due to leak on existing main segment. Install 700' of 4" PE main.	3760	\$36,200
161	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012711	BS Main Replacement - 4903 E 31st St S, Wichita - Retire 700' of 4" UPBS main due to leak on existing main segment. Install 700' of 4" PE main.	3800	\$2,174
162	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012713	BS Main Replacement - 711 N Mt Carmel, Wichita - Retire 485' of 2" BS main due to leak on existing main segment. Install 485' of 2" PE main.	3760	\$28,817
163	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012713	BS Main Replacement - 711 N Mt Carmel, Wichita - Retire 485' of 2" BS main due to leak on existing main segment. Install 485' of 2" PE main.	3769	\$1,176
164	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012713	BS Main Replacement - 711 N Mt Carmel, Wichita - Retire 485' of 2" BS main due to leak on existing main segment. Install 485' of 2" PE main.	3800	\$8,110
165	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012715	BS Main Replacement - 370 W Spring Dr, Haysville - Retire 215' of 2" UPBS, 70' of 4" UPBS, 55' of 1.25" PE, and 40' of 4" CS main due to leak on 2" steel weld reducer fitting. Install 625' of 4" PE main.	3760	\$44,931
166	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012715	BS Main Replacement - 370 W Spring Dr, Haysville - Retire 215' of 2" UPBS, 70' of 4" UPBS, 55' of 1.25" PE, and 40' of 4" CS main due to leak on 2" steel weld reducer fitting. Install 625' of 4" PE main.	3769	\$947
167	Bare Steel Main Replacement	K.S.A. 66-2202	2/1/2023	3721	054	012715	BS Main Replacement - 370 W Spring Dr, Haysville - Retire 215' of 2" UPBS, 70' of 4" UPBS, 55' of 1.25" PE, and 40' of 4" CS main due to leak on 2" steel weld reducer fitting. Install 625' of 4" PE main.	3800	\$14,259
168	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3831	054	010295	BS Main Replacement - 23rd and Clark, Parsons - Retire 100' of 1.25" UPBS, 1,436' of 2" APBS, 832' of 2" UPBS, 811' of 4" APBS, 357' of 8" UPBS, 391' of 2" APCS, 180' - 4" APCS and 70' of 2" PE main as part of the 2021 annual work plan projects. Install 3,700' of 2" PE main.	3760	\$120,612
169	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3831	054	010295	BS Main Replacement - 23rd and Clark, Parsons - Retire 100' of 1.25" UPBS, 1,436' of 2" APBS, 832' of 2" UPBS, 811' of 4" APBS, 357' of 8" UPBS, 391' of 2" APCS, 180' - 4" APCS and 70' of 2" PE main as part of the 2021 annual work plan projects. Install 3,700' of 2" PE main.	3769	\$643
170	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3831	054	010295	BS Main Replacement - 23rd and Clark, Parsons - Retire 100' of 1.25" UPBS, 1,436' of 2" APBS, 832' of 2" UPBS, 811' of 4" APBS, 357' of 8" UPBS, 391' of 2" APCS, 180' - 4" APCS and 70' of 2" PE main as part of the 2021 annual work plan projects. Install 3,700' of 2" PE main.	3800	\$22,753
171	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3831	054	010316	BS Main Replacement - 302 E 5th, Colony - Retire 95' of 2" APBS main due to leak on exiting main segment. Install 100' of 2" PE main.	3760	\$4,188
172	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3831	054	010317	BS Main Replacement - 4550 Delaware Rd, Moran - Retire 195' of 2" PE main due to leak on existing main segment. Install 200' of 2" PE main.	3760	\$3,899
173	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3831	054	010317	BS Main Replacement - 4550 Delaware Rd, Moran - Retire 195' of 2" PE main due to leak on existing main segment. Install 200' of 2" PE main.	3769	\$652
174	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3741	054	010485	BS Main Replacement - 18th & Washington, Wellington - Retire 600' of 3" RPBS main as part of the 2022 annual work plan projects. Install 250' of 2" PE and 210' of 2" CS main.	3760	\$20,117
175	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3741	054	010485	BS Main Replacement - 18th & Washington, Wellington - Retire 600' of 3" RPBS main as part of the 2022 annual work plan projects. Install 250' of 2" PE and 210' of 2" CS main.	3765	\$24,998
176	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3741	054	010485	BS Main Replacement - 18th & Washington, Wellington - Retire 600' of 3" RPBS main as part of the 2022 annual work plan projects. Install 250' of 2" PE and 210' of 2" CS main.	3800	\$12,181
177	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3741	054	010492	BS Main Replacement - 222 S Jefferson, Wellington - Retire 600' of 4" UPBS main due to thread leak from collar on existing main segment. Install 900' of 2" PE main. 12 BS service line renewals.	3760	\$45,228
178	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3741	054	010492	BS Main Replacement - 222 S Jefferson, Wellington - Retire 600' of 4" UPBS main due to thread leak from collar on existing main segment. Install 900' of 2" PE main. 12 BS service line renewals.	3800	\$18,821
179	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3741	054	010501	BS Main Replacement - Summit and Osage, Arkansas City - Retire 2,400' of 2" RPBS and 300' of 2" RPCS main as part of the 2022 annual work plan projects. Install 2,450' of 2" PE main.	3760	\$105,866
180	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3741	054	010501	BS Main Replacement - Summit and Osage, Arkansas City - Retire 2,400' of 2" RPBS and 300' of 2" RPCS main as part of the 2022 annual work plan projects. Install 2,450' of 2" PE main.	3800	\$4,130
181	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3741	054	010513	BS Main Replacement - Country Club & Chestnut, Arkansas City - Retire 1,293' of 3" RPBS main due to main exposure in roadway. Install 1,450' of 4" PE main.	3760	\$19,540
182	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3741	054	010513	BS Main Replacement - Country Club & Chestnut, Arkansas City - Retire 1,293' of 3" RPBS main due to main exposure in roadway. Install 1,450' of 4" PE main.	3765	\$3,077
183	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3741	054	010513	BS Main Replacement - Country Club & Chestnut, Arkansas City - Retire 1,293' of 3" RPBS main due to main exposure in roadway. Install 1,450' of 4" PE main.	3800	\$38
184	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3721	054	012745	BS Main Replacement - Washington & Indian Lane, Newton - Retire 70' of 2" RPBS and 10' of 2" RPCS main due to a leaking coupling on the existing main. Install 80' of 2" CS main.	3765	\$22,004
185	Bare Steel Main Replacement	K.S.A. 66-2202	4/4/2023	3721	054	012793	BS Main Replacement - Cashel & Washington, Clonmel - Retire 450' of 2" BS acquired main with insufficient records. Install 450' of 2" PE main.	3760	\$3,047
186	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3643	054	010074	BS Main Replacement - 11th & Highland, Concordia - Retire 2,099' of 4" BS, 105' of 1.25" BS, and 81' of 4" PE main as part of the 2022 annual work plan projects. Install 2,180' of 4" PE and 105' of 2" PE main. 1 BS main renewal.	3760	\$109,446
187	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3643	054	010074	BS Main Replacement - 11th & Highland, Concordia - Retire 2,099' of 4" BS, 105' of 1.25" BS, and 81' of 4" PE main as part of the 2022 annual work plan projects. Install 2,180' of 4" PE and 105' of 2" PE main. 1 BS main renewal.	3800	\$2,939
188	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3643	054	010074	BS Main Replacement - 11th & Highland, Concordia - Retire 2,099' of 4" BS, 105' of 1.25" BS, and 81' of 4" PE main as part of the 2022 annual work plan projects. Install 2,180' of 4" PE and 105' of 2" PE main. 1 BS main renewal.	3820	\$898
189	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3643	054	010074	BS Main Replacement - 11th & Highland, Concordia - Retire 2,099' of 4" BS, 105' of 1.25" BS, and 81' of 4" PE main as part of the 2022 annual work plan projects. Install 2,180' of 4" PE and 105' of 2" PE main. 1 BS main renewal.	3830	\$159
190	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3521	053	010200	Retire 15' 2" BS main. 511 E Franklin St, Pomona, KS. Install 15' 2" CS main. The steel gas main is leaking and has been classified as a grade 2 leak and the BS main is pitted. Install 15' 2" CS main dog leg to repair the leaking main.	3765	\$8,108
191	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3635	054	010231	BS Main Replacement - 906 W Kansas, McPherson - Retire 165' of 2" BS main due to leak on existing main with multiple Dresser couplings. Install 50' of 2" PE main.	3760	\$3,253
192	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3635	054	010231	BS Main Replacement - 906 W Kansas, McPherson - Retire 165' of 2" BS main due to leak on existing main with multiple Dresser couplings. Install 50' of 2" PE main.	3769	\$2,723
193	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3621	054	010330	BS Main Replacement - 7th & Elm, La Crosse - Retire 405' of 4" RPBS, 240' of 3" RPBS, 579' of 4" RPCS main as part of the 2022 annual work plan projects. Install 2,100' of 4" PE and 250' of 2" PE main.	3760	\$105,396

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
194	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3621	054	010330	BS Main Replacement - 7th & Elm, La Crosse - Retire 405' of 4" RPBS, 240' of 3" RPBS, 579' of 4" RPCS main as part of the 2022 annual work plan projects. Install 2,100' of 4" PE and 250' of 2" PE main.	3769	\$1,242
195	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3621	054	010330	BS Main Replacement - 7th & Elm, La Crosse - Retire 405' of 4" RPBS, 240' of 3" RPBS, 579' of 4" RPCS main as part of the 2022 annual work plan projects. Install 2,100' of 4" PE and 250' of 2" PE main.	3800	\$7,022
196	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3621	054	010330	BS Main Replacement - 7th & Elm, La Crosse - Retire 405' of 4" RPBS, 240' of 3" RPBS, 579' of 4" RPCS main as part of the 2022 annual work plan projects. Install 2,100' of 4" PE and 250' of 2" PE main.	3820	\$1,592
197	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3621	054	010331	BS Main Replacement - 7th & Peace St, La Crosse - Retire 714' of 4" RPBS and 141' of 4" RPCS main as part of the 2022 annual work plan projects. Install 750' of 4" PE main.	3760	\$89,700
198	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3621	054	010331	BS Main Replacement - 7th & Peace St, La Crosse - Retire 714' of 4" RPBS and 141' of 4" RPCS main as part of the 2022 annual work plan projects. Install 750' of 4" PE main.	3800	\$8,875
199	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3621	054	010331	BS Main Replacement - 7th & Peace St, La Crosse - Retire 714' of 4" RPBS and 141' of 4" RPCS main as part of the 2022 annual work plan projects. Install 750' of 4" PE main.	3820	\$2,086
200	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3621	054	010336	BS Main Replacement - 929 US Hwy-56, Kinsley - Retire 152' of 1.25" BS main to correct service line placement and serve an additional customer. Install 200' of 2" PE main.	3760	\$7,772
201	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3621	054	010336	BS Main Replacement - 929 US Hwy-56, Kinsley - Retire 152' of 1.25" BS main to correct service line placement and serve an additional customer. Install 200' of 2" PE main.	3800	\$79
202	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3621	054	010340	BS Main Replacement - 1222 Marsh, Kinsley - Retire 20' of 2" BS main due to leak on existing main segment. Install 20' of 2" CS main.	3765	\$3,172
203	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3761	054	010352	BS Main Replacement - 819 W Pine, Columbus - Retire 15' of 2" APBS main due to leaking Dresser coupling on existing main segment. Install 20' of 2" PE main.	3760	\$2,412
204	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3641	054	010409	BS Main Replacement - Walnut & Clark, Salina - Retire 200' of 3" BS main located under roadway. Install 200' of 2" PE main to retire multiple branch services and prevent the new ones from crossing property lines. Worked in conjunction with the BS service line replacements around the above intersection.	3760	\$26,907
205	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3641	054	010409	BS Main Replacement - Walnut & Clark, Salina - Retire 200' of 3" BS main located under roadway. Install 200' of 2" PE main to retire multiple branch services and prevent the new ones from crossing property lines. Worked in conjunction with the BS service line replacements around the above intersection.	3800	\$10,564
206	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3641	054	010410	BS Main Replacement - Spruce & Clark, Salina - Retire 300' of 3" BS and 90' of 1.25" CS main located under roadway. Install 300' of 2" PE main to prevent the new services from crossing property lines. Worked in conjunction with the BS service line replacements around the above intersection.	3760	\$29,821
207	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3641	054	010410	BS Main Replacement - Spruce & Clark, Salina - Retire 300' of 3" BS and 90' of 1.25" CS main located under roadway. Install 300' of 2" PE main to prevent the new services from crossing property lines. Worked in conjunction with the BS service line replacements around the above intersection.	3800	\$13,904
208	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3631	054	010441	BS Main Replacement - 4th & Lorraine, Hutchinson - Retire 43' of 2" UPBS. Install 43' of 2" PE main.	3760	\$4,630
209	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3631	054	010441	BS Main Replacement - 4th & Lorraine, Hutchinson - Retire 43' of 2" UPBS. Install 43' of 2" PE main.	3769	\$674
210	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3631	054	010441	BS Main Replacement - 4th & Lorraine, Hutchinson - Retire 43' of 2" UPBS. Install 43' of 2" PE main.	3800	\$6,171
211	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012588	UPBS Main Replacement - 1st & St Francis, Wichita - Retire 288' of 6" UPBS main as part of the 2022 annual work plan projects. Install 330' of 6" PE Main.	3760	\$118,172
212	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012588	UPBS Main Replacement - 1st & St Francis, Wichita - Retire 288' of 6" UPBS main as part of the 2022 annual work plan projects. Install 330' of 6" PE Main.	3769	\$2,484
213	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012588	UPBS Main Replacement - 1st & St Francis, Wichita - Retire 288' of 6" UPBS main as part of the 2022 annual work plan projects. Install 330' of 6" PE Main.	3800	\$18,403
214	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012619	BS Main Replacement - 21st & Woodrow, Wichita - Retire 174' of 6" UPBS, 1,500' of 4" UPBS, 265' of 2" APCS, & 210' of 2" APBS main as part of the 2022 annual work plan projects. Install 1,650' of 4" PE and 480' of 2" PE main.	3760	\$97,685
215	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012619	BS Main Replacement - 21st & Woodrow, Wichita - Retire 174' of 6" UPBS, 1,500' of 4" UPBS, 265' of 2" APCS, & 210' of 2" APBS main as part of the 2022 annual work plan projects. Install 1,650' of 4" PE and 480' of 2" PE main.	3765	\$1,260
216	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012619	BS Main Replacement - 21st & Woodrow, Wichita - Retire 174' of 6" UPBS, 1,500' of 4" UPBS, 265' of 2" APCS, & 210' of 2" APBS main as part of the 2022 annual work plan projects. Install 1,650' of 4" PE and 480' of 2" PE main.	3780	\$7,388
217	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012619	BS Main Replacement - 21st & Woodrow, Wichita - Retire 174' of 6" UPBS, 1,500' of 4" UPBS, 265' of 2" APCS, & 210' of 2" APBS main as part of the 2022 annual work plan projects. Install 1,650' of 4" PE and 480' of 2" PE main.	3800	\$40,786
218	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012630	BS Main Replacement - 18th & Mosley, Wichita - Retire 6,305' of 4" and 2" UPBS, 293' of 3" and 2" APCS, 665' of 2" PE main as part of the 2022 annual work plan projects. Install 2,750' of 4" PE and 4,420' of 2" PE main. 7 BS SL renewals.	3760	\$410,774
219	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012630	BS Main Replacement - 18th & Mosley, Wichita - Retire 6,305' of 4" and 2" UPBS, 293' of 3" and 2" APCS, 665' of 2" PE main as part of the 2022 annual work plan projects. Install 2,750' of 4" PE and 4,420' of 2" PE main. 7 BS SL renewals.	3800	\$100,310
220	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012630	BS Main Replacement - 18th & Mosley, Wichita - Retire 6,305' of 4" and 2" UPBS, 293' of 3" and 2" APCS, 665' of 2" PE main as part of the 2022 annual work plan projects. Install 2,750' of 4" PE and 4,420' of 2" PE main. 7 BS SL renewals.	3805	\$3,810
221	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012630	BS Main Replacement - 18th & Mosley, Wichita - Retire 6,305' of 4" and 2" UPBS, 293' of 3" and 2" APCS, 665' of 2" PE main as part of the 2022 annual work plan projects. Install 2,750' of 4" PE and 4,420' of 2" PE main. 7 BS SL renewals.	3810	\$1,435
222	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012630	BS Main Replacement - 18th & Mosley, Wichita - Retire 6,305' of 4" and 2" UPBS, 293' of 3" and 2" APCS, 665' of 2" PE main as part of the 2022 annual work plan projects. Install 2,750' of 4" PE and 4,420' of 2" PE main. 7 BS SL renewals.	3820	\$1,553
223	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012633	BS Main Replacement - 13th and Minneapolis, Wichita - Retire 938' of 2" BS, 23' of 3" BS, 2098' of 4" BS, 321' of 2" PE, 437' of 4" PE main as part of the 2022 annual work plan projects. Install 2,650' of 2" PE main. 10 BS Renewals.	3760	\$122,141
224	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012633	BS Main Replacement - 13th and Minneapolis, Wichita - Retire 938' of 2" BS, 23' of 3" BS, 2098' of 4" BS, 321' of 2" PE, 437' of 4" PE main as part of the 2022 annual work plan projects. Install 2,650' of 2" PE main. 10 BS Renewals.	3800	\$50,139
225	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012652	BS Main Replacement - Lincoln & Mission, Wichita - Retire 3,300' of 4" BS, 3,125' of 2" BS, 130' of 2" CS, 45' of 4" PE, and 30' of 2" PE main as part of the 2022 annual work plan projects. Install 3,300' of 4" PE and 2,825' of 2" PE main.	3760	\$322,511
226	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012652	BS Main Replacement - Lincoln & Mission, Wichita - Retire 3,300' of 4" BS, 3,125' of 2" BS, 130' of 2" CS, 45' of 4" PE, and 30' of 2" PE main as part of the 2022 annual work plan projects. Install 3,300' of 4" PE and 2,825' of 2" PE main.	3769	\$6,988
227	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012652	BS Main Replacement - Lincoln & Mission, Wichita - Retire 3,300' of 4" BS, 3,125' of 2" BS, 130' of 2" CS, 45' of 4" PE, and 30' of 2" PE main as part of the 2022 annual work plan projects. Install 3,300' of 4" PE and 2,825' of 2" PE main.	3800	\$294,175
228	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012656	BS Main Replacement - Douglas and Florence, Wichita - 575' 2" APBS; 187' 3" APBS; 4,297' 2" UPBS; 778' 3" UPBS; 1686' 4" UPBS; 546' 2" PE; 6' 3" PE; 386' 4" PE main as part of the 2022 annual work plan projects. Install 5,040' of 2" PE, and 2,640' of 4" PE main.	3760	\$325,298

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
229	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012656	BS Main Replacement - Douglas and Florence , Wichita - 575' 2" APBS; 187' 3" APBS; 4,297' 2" UPBS; 778' 3" UPBS; 1686' 4" UPBS; 546' 2" PE; 6' 3" PE; 386' 4" PE main as part of the 2022 annual work plan projects. Install 5,040' of 2" PE, and 2,640' of 4" PE main.	3800	\$328,497
230	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012690	Main Replacement - Seneca & Haskell, Wichita - Retire 764' of 16" RPBS main due to leak on existing main segment. Install 755' of 16" RPBS main.	3765	\$904,687
231	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012798	BS Main Replacement - E Marion St & S Ida Ave, Wichita - Retire 1340' of 2" UPBS and 205' of 2" APCS as part of the 2023 annual work plan projects. Install 1545' of 2" PE main.	3760	\$63,189
232	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012798	BS Main Replacement - E Marion St & S Ida Ave, Wichita - Retire 1340' of 2" UPBS and 205' of 2" APCS as part of the 2023 annual work plan projects. Install 1545' of 2" PE main.	3800	\$25,589
233	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012818	BS Main Replacement - 3341 E Ross Parkway, Wichita - Retire 35' of 2" UPBS main due to multiple leaks on existing main segment. Install 46' of 2" PE main.	3760	\$1,140
234	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2023	3721	054	012818	BS Main Replacement - 3341 E Ross Parkway, Wichita - Retire 35' of 2" UPBS main due to multiple leaks on existing main segment. Install 46' of 2" PE main.	3769	\$930
235	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3621	053	010163	Unlocatable Main - NW 10th Ave & McKinley - Install 2,00' of 4" PE and 200' of 2" PE main to allow for a section of unlocatable customer-owned PVC main to be abandoned.	3760	\$86,606
236	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3621	053	010163	Unlocatable Main - NW 10th Ave & McKinley - Install 2,00' of 4" PE and 200' of 2" PE main to allow for a section of unlocatable customer-owned PVC main to be abandoned.	3800	\$13,531
237	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3621	053	010163	Unlocatable Main - NW 10th Ave & McKinley - Install 2,00' of 4" PE and 200' of 2" PE main to allow for a section of unlocatable customer-owned PVC main to be abandoned.	3820	\$876
238	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3831	054	010303	BS Main Replacement - Oak and Pine, Moran - Retire 75' of 1.25" PE, 443' of 2" APBS, 1041' of 2" BS, 257' of 2" PE, 579' of 3" APBS, 761' of 3" BS, 389' of 4" APBS, 495' of 4" BS, 44' of 4" APCS main as part of the 2022 annual work plan projects. Install 25' of 2" APCS, 105' of 4" APCS, 2605' of 2" PE, 730' of 4" PE main.	3760	\$217,032
239	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3831	054	010303	BS Main Replacement - Oak and Pine, Moran - Retire 75' of 1.25" PE, 443' of 2" APBS, 1041' of 2" BS, 257' of 2" PE, 579' of 3" APBS, 761' of 3" BS, 389' of 4" APBS, 495' of 4" BS, 44' of 4" APCS main as part of the 2022 annual work plan projects. Install 25' of 2" APCS, 105' of 4" APCS, 2605' of 2" PE, 730' of 4" PE main.	3765	\$1,576
240	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3831	054	010303	BS Main Replacement - Oak and Pine, Moran - Retire 75' of 1.25" PE, 443' of 2" APBS, 1041' of 2" BS, 257' of 2" PE, 579' of 3" APBS, 761' of 3" BS, 389' of 4" APBS, 495' of 4" BS, 44' of 4" APCS main as part of the 2022 annual work plan projects. Install 25' of 2" APCS, 105' of 4" APCS, 2605' of 2" PE, 730' of 4" PE main.	3769	\$2,445
241	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3831	054	010303	BS Main Replacement - Oak and Pine, Moran - Retire 75' of 1.25" PE, 443' of 2" APBS, 1041' of 2" BS, 257' of 2" PE, 579' of 3" APBS, 761' of 3" BS, 389' of 4" APBS, 495' of 4" BS, 44' of 4" APCS main as part of the 2022 annual work plan projects. Install 25' of 2" APCS, 105' of 4" APCS, 2605' of 2" PE, 730' of 4" PE main.	3780	\$24,353
242	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3831	054	010303	BS Main Replacement - Oak and Pine, Moran - Retire 75' of 1.25" PE, 443' of 2" APBS, 1041' of 2" BS, 257' of 2" PE, 579' of 3" APBS, 761' of 3" BS, 389' of 4" APBS, 495' of 4" BS, 44' of 4" APCS main as part of the 2022 annual work plan projects. Install 25' of 2" APCS, 105' of 4" APCS, 2605' of 2" PE, 730' of 4" PE main.	3800	\$12,102
243	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3831	054	010303	BS Main Replacement - Oak and Pine, Moran - Retire 75' of 1.25" PE, 443' of 2" APBS, 1041' of 2" BS, 257' of 2" PE, 579' of 3" APBS, 761' of 3" BS, 389' of 4" APBS, 495' of 4" BS, 44' of 4" APCS main as part of the 2022 annual work plan projects. Install 25' of 2" APCS, 105' of 4" APCS, 2605' of 2" PE, 730' of 4" PE main.	3805	\$5,830
244	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3741	054	010498	BS Main Replacement - Central and Main, Dexter - Retire 2,605' of 2" , 3" , and 4" RPBS, 245' of 1-1/4" and 3" PE main as part of the 2022 annual work plan projects. Install 1,885' of 4" RPBS, and 410' of 2" PE main.	3760	\$18,600
245	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3741	054	010498	BS Main Replacement - Central and Main, Dexter - Retire 2,605' of 2" , 3" , and 4" RPBS, 245' of 1-1/4" and 3" PE main as part of the 2022 annual work plan projects. Install 1,885' of 4" RPBS, and 410' of 2" PE main.	3765	\$188,252
246	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3741	054	010498	BS Main Replacement - Central and Main, Dexter - Retire 2,605' of 2" , 3" , and 4" RPBS, 245' of 1-1/4" and 3" PE main as part of the 2022 annual work plan projects. Install 1,885' of 4" RPBS, and 410' of 2" PE main.	3800	\$1,371
247	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3522	054	011594	BS Main Replacement - 10th St & Sunshine Rd, Kansas City, KS - Install: 320' 16" CS, 420' 12" HDPE and 20' 12" CS Main. Retire: 600' 16" BS, 350' 20" CS Main. This work is to replace 600' BS main that runs under the railroad tracks near 10th St and Sunshine Rd in Kansas City, KS.	3760	\$179,116
248	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3522	054	011594	BS Main Replacement - 10th St & Sunshine Rd, Kansas City, KS - Install: 320' 16" CS, 420' 12" HDPE and 20' 12" CS Main. Retire: 600' 16" BS, 350' 20" CS Main. This work is to replace 600' BS main that runs under the railroad tracks near 10th St and Sunshine Rd in Kansas City, KS.	3765	\$299,339
249	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3522	054	011594	BS Main Replacement - 10th St & Sunshine Rd, Kansas City, KS - Install: 320' 16" CS, 420' 12" HDPE and 20' 12" CS Main. Retire: 600' 16" BS, 350' 20" CS Main. This work is to replace 600' BS main that runs under the railroad tracks near 10th St and Sunshine Rd in Kansas City, KS.	3769	\$9,816
250	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3522	054	011627	Bare Steel Replacement - 43rd & Rainbow, Kansas City, KS - This is part of the 2022 Bare Steel Replacement Program. Install: 2,430' of 4" PE and 170' of 2" PE; Replace 42 services. Retire: 1,100' of 4" BS; 2,180' of 2" BS; 45' of 2" CS and 320' of 2" PE	3760	\$556,199
251	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3522	054	011627	Bare Steel Replacement - 43rd & Rainbow, Kansas City, KS - This is part of the 2022 Bare Steel Replacement Program. Install: 2,430' of 4" PE and 170' of 2" PE; Replace 42 services. Retire: 1,100' of 4" BS; 2,180' of 2" BS; 45' of 2" CS and 320' of 2" PE	3800	\$237,457
252	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3721	053	011636	Main Relocation - Pine & Arthur, El Dorado - Retire 245' of 2" APBS and 50' of 2" PE of main in conflict Evergy's plans to install a new transmission line through the center of the City of El Dorado. Relocate and install 250' of 2" PE main.	3760	\$37,611
253	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3721	053	011636	Main Relocation - Pine & Arthur, El Dorado - Retire 245' of 2" APBS and 50' of 2" PE of main in conflict Evergy's plans to install a new transmission line through the center of the City of El Dorado. Relocate and install 250' of 2" PE main.	3769	\$1,596
254	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3721	053	011636	Main Relocation - Pine & Arthur, El Dorado - Retire 245' of 2" APBS and 50' of 2" PE of main in conflict Evergy's plans to install a new transmission line through the center of the City of El Dorado. Relocate and install 250' of 2" PE main.	3800	\$4,917
255	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3721	053	011649	BS Main Replacement - 1308 N Blaine St, Wellington - Retire 250' of 3 1/2" BS and 10' of 2" BS main in conflict with a new driveway due to shallow depth.	3760	\$25,334
256	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3721	053	011649	BS Main Replacement - 1308 N Blaine St, Wellington - Retire 250' of 3 1/2" BS and 10' of 2" BS main in conflict with a new driveway due to shallow depth.	3765	\$106,615
257	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3721	053	011649	BS Main Replacement - 1308 N Blaine St, Wellington - Retire 250' of 3 1/2" BS and 10' of 2" BS main in conflict with a new driveway due to shallow depth.	3800	\$15,940
258	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3522	054	011665	BS Main Replacement - 2711 W 43rd Ave, Kansas City, KS. Install 20' 8" CS main. Retire 20' 8" BS main (1930 vintage). Install 20' 8" CS main to eliminate the class 1 leak on the 8" BS main.	3765	\$126,375
259	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3721	054	012662	BS Main Replacement - Pawnee & Mosley, Wichita - Retire 755' of 4" UPBS, 6,775' of 2" UPBS, and 185' of 2" PE main as part of the 2022 annual work plan projects. Install 795' of 4" PE and 6,060' of 2" PE main.	3760	\$347,869

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
260	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3721	054	012662	BS Main Replacement - Pawnee & Mosley, Wichita - Retire 755' of 4" UPBS, 6,775' of 2" UPBS, and 185' of 2" PE main as part of the 2022 annual work plan projects. Install 795' of 4" PE and 6,060' of 2" PE main.	3769	\$5,967
261	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3721	054	012662	BS Main Replacement - Pawnee & Mosley, Wichita - Retire 755' of 4" UPBS, 6,775' of 2" UPBS, and 185' of 2" PE main as part of the 2022 annual work plan projects. Install 795' of 4" PE and 6,060' of 2" PE main.	3800	\$391,616
262	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3721	054	012772	BS Main Replacement - W Crawford & S Glenn, Wichita - Retire 1640' of 4" RPBS as part of the 2023 annual work plan projects. Install 1640' of 4" PE main.	3760	\$106,678
263	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3721	054	012772	BS Main Replacement - W Crawford & S Glenn, Wichita - Retire 1640' of 4" RPBS as part of the 2023 annual work plan projects. Install 1640' of 4" PE main.	3765	\$28,280
264	Bare Steel Main Replacement	K.S.A. 66-2202	5/2/2023	3721	054	012772	BS Main Replacement - W Crawford & S Glenn, Wichita - Retire 1640' of 4" RPBS as part of the 2023 annual work plan projects. Install 1640' of 4" PE main.	3800	\$859
265	Bare Steel Main Replacement	K.S.A. 66-2202	5/12/2023	3522	054	011653	8841 Norwood Dr, Leawood, KS - Install: 75' 4" PE main dogleg in order to install a 1 1/4" PE service line. Retire: 67' 2" BS main.	3760	\$8,663
266	Bare Steel Main Replacement	K.S.A. 66-2202	5/12/2023	3522	054	011653	8841 Norwood Dr, Leawood, KS - Install: 75' 4" PE main dogleg in order to install a 1 1/4" PE service line. Retire: 67' 2" BS main.	3800	\$4,230
267	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3653	054	010144	907 Elm ST, Frankfort, KS - To Install: 205-foot 2-inch PE. To Retire: 173-foot 1-1/4-inch RPBS, 50-foot 1-1/4-inch RPCS, 25-foot 2-inch PE. This project is a replacement project to replace a section of 1-1/4-inch ST main that was found to have a leak that required a permanent repair under LK2022-10030197.	3760	\$6,564
268	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3653	054	010144	907 Elm ST, Frankfort, KS - To Install: 205-foot 2-inch PE. To Retire: 173-foot 1-1/4-inch RPBS, 50-foot 1-1/4-inch RPCS, 25-foot 2-inch PE. This project is a replacement project to replace a section of 1-1/4-inch ST main that was found to have a leak that required a permanent repair under LK2022-10030197.	3800	\$2,485
269	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3653	054	010152	Main Relocation - 4th and Pierce - Washington, KS - Install: 80 feet of 2" PE Main, 2x Cathodic Test Station. Retire: 80ft of 2" BS Main. There exists a leak on this main with ticket: LK2023-10039189. 1.25" Service to 402 Pierce will need to be tied-in to new main.	3760	\$8,423
270	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3653	054	010152	Main Relocation - 4th and Pierce - Washington, KS - Install: 80 feet of 2" PE Main, 2x Cathodic Test Station. Retire: 80ft of 2" BS Main. There exists a leak on this main with ticket: LK2023-10039189. 1.25" Service to 402 Pierce will need to be tied-in to new main.	3800	\$361
271	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3641	053	010215	Unlocatable Main Replacement - Rush & Jewell, Salina - Retire 15' of 1.25" unlocatable BS main. Install 36' of 1.25" CS main.	3800	\$2,700
272	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3831	054	010298	BS Main Replacement - Neosho Ave & Preston, Thayer - Retire 30' of 2" APCS, 51' of 2" APBS, and 5' of 4" PE main no longer serving any customers. Install 75' of 4" PE main in order to safely abandon mains.	3760	\$25,000
273	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3831	054	010298	BS Main Replacement - Neosho Ave & Preston, Thayer - Retire 30' of 2" APCS, 51' of 2" APBS, and 5' of 4" PE main no longer serving any customers. Install 75' of 4" PE main in order to safely abandon mains.	3769	\$2,043
274	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3532	054	010311	Install 600' 2" PE. Retire 197' 2" CS, 531' 2" BS. 940 Central Ave, Horton KS. This work is to replace corroded bare steel main that is too thin to weld on.	3760	\$28,834
275	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3532	054	010311	Install 600' 2" PE. Retire 197' 2" CS, 531' 2" BS. 940 Central Ave, Horton KS. This work is to replace corroded bare steel main that is too thin to weld on.	3800	\$1,273
276	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3831	054	010323	BS Main Replacement - 2124 Oregon Rd, Iola - Retire 180' of 5" UPBS main due to leak on existing main segment. Install 200' of 4" PE main.	3760	\$9,363
277	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3831	054	010323	BS Main Replacement - 2124 Oregon Rd, Iola - Retire 180' of 5" UPBS main due to leak on existing main segment. Install 200' of 4" PE main.	3769	\$1,051
278	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3642	054	010402	BS Main Replacement - Court & Grant, Smith Center - Retire 50' of 4" RPBS main due to a leak on the outlet riser to DRS 0004. Install 50' of 4" CS main.	3780	\$44,258
279	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3631	054	010449	BS Main Replacement - 25th & Monroe -as part of the 2023 AWP projects. Retire: 1,465' - 2" UPBS Main. Retire: 38' - 2" PE Main. Retire : 2 Test Stations. Install: 1,350' - 2" PE Main. SL's to tie over - 36	3760	\$66,013
280	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3631	054	010449	BS Main Replacement - 25th & Monroe -as part of the 2023 AWP projects. Retire: 1,465' - 2" UPBS Main. Retire: 38' - 2" PE Main. Retire : 2 Test Stations. Install: 1,350' - 2" PE Main. SL's to tie over - 36	3765	\$897
281	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3631	054	010449	BS Main Replacement - 25th & Monroe -as part of the 2023 AWP projects. Retire: 1,465' - 2" UPBS Main. Retire: 38' - 2" PE Main. Retire : 2 Test Stations. Install: 1,350' - 2" PE Main. SL's to tie over - 36	3769	\$1,356
282	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3631	054	010449	BS Main Replacement - 25th & Monroe -as part of the 2023 AWP projects. Retire: 1,465' - 2" UPBS Main. Retire: 38' - 2" PE Main. Retire : 2 Test Stations. Install: 1,350' - 2" PE Main. SL's to tie over - 36	3800	\$42,501
283	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3741	054	010511	BS main Replacement - 230 W Walton, Burden - Retire 410' of 2" RPBS main to permanently repair and replace a clamped leak. Install 410' of 2" PE.	3760	\$42,914
284	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3741	054	010511	BS main Replacement - 230 W Walton, Burden - Retire 410' of 2" RPBS main to permanently repair and replace a clamped leak. Install 410' of 2" PE.	3800	\$508
285	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3741	054	010515	BS Main Replacement - 32899 Tower Rd, Arkansas City - Retire 20' of 2" RPBS due to leak on existing main segment. Install 20' of 2" PE main.	3760	\$3,307
286	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3541	054	010732	Install 830' 2" PE, 160' 4" PE. Retire 826' 2" APBS, 144' 4" APBS, 2' 2" APCS, 10' 4" APCS. 1251 Pinecrest Dr, Topeka KS. This project is a replacement to resolve a leak that was temporarily clamped. Main was too thin to weld on so a replacement was performed.	3760	\$94,571
287	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3541	054	010732	Install 830' 2" PE, 160' 4" PE. Retire 826' 2" APBS, 144' 4" APBS, 2' 2" APCS, 10' 4" APCS. 1251 Pinecrest Dr, Topeka KS. This project is a replacement to resolve a leak that was temporarily clamped. Main was too thin to weld on so a replacement was performed.	3800	\$14,940
288	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3541	054	010736	Install 610' 2" PE. Retire 600' 2" BS. 2301 SW James St, Topeka KS. This work is to replace bare steel main with a leak that could not be repaired due to corrosion.	3760	\$55,787
289	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3541	054	010736	Install 610' 2" PE. Retire 600' 2" BS. 2301 SW James St, Topeka KS. This work is to replace bare steel main with a leak that could not be repaired due to corrosion.	3800	\$15,699
290	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011608	BS Main Replacement - 80th St and Santa Fe - Overland Park, KS - Install: 450 feet of 2 inch PE main. Retire: 362 feet of 2 inch BS Main and 88 feet of 2 inch CS Main. The oldest segments of bare steel main was installed in 1936. There are 6 plastic services to tie over, 2 BS service line to replace.	3760	\$34,269
291	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011608	BS Main Replacement - 80th St and Santa Fe - Overland Park, KS - Install: 450 feet of 2 inch PE main. Retire: 362 feet of 2 inch BS Main and 88 feet of 2 inch CS Main. The oldest segments of bare steel main was installed in 1936. There are 6 plastic services to tie over, 2 BS service line to replace.	3800	\$23,023
292	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011611	BS Main Replacement - 77th St & Metcalf, Overland Park, KS - Install: 500' of 4" PE main. Retire: 500' of 3" BS main. Replace 1 BS service; Tie-over 3 PE services. This work is being done as part of the 2022 Bare Steel Replacement Projects. The oldest segments of bare steel main was installed in 1954.	3760	\$75,068
293	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011611	BS Main Replacement - 77th St & Metcalf, Overland Park, KS - Install: 500' of 4" PE main. Retire: 500' of 3" BS main. Replace 1 BS service; Tie-over 3 PE services. This work is being done as part of the 2022 Bare Steel Replacement Projects. The oldest segments of bare steel main was installed in 1954.	3769	\$4,142
294	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011611	BS Main Replacement - 77th St & Metcalf, Overland Park, KS - Install: 500' of 4" PE main. Retire: 500' of 3" BS main. Replace 1 BS service; Tie-over 3 PE services. This work is being done as part of the 2022 Bare Steel Replacement Projects. The oldest segments of bare steel main was installed in 1954.	3800	\$10,274
295	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011611	BS Main Replacement - 77th St & Metcalf, Overland Park, KS - Install: 500' of 4" PE main. Retire: 500' of 3" BS main. Replace 1 BS service; Tie-over 3 PE services. This work is being done as part of the 2022 Bare Steel Replacement Projects. The oldest segments of bare steel main was installed in 1954.	3820	\$1,973
296	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011613	62nd St & Melrose Ln, Shawnee, KS - 2022 BS Replacement AWP Project Install 1450' of 2" PE main. Retire 1162' 2" BS and 204' 2" CS main.	3760	\$79,615
297	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011613	62nd St & Melrose Ln, Shawnee, KS - 2022 BS Replacement AWP Project Install 1450' of 2" PE main. Retire 1162' 2" BS and 204' 2" CS main.	3800	\$23,076

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
298	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011664	BS Main Replacement - W 66th Terr & Antioch, Overland Park, KS - Replace: 695' 2" APBS Retire: 35' 2" APCS. Install: 640' 2" PE. Replacing APBS with PE on W 66th Terr, and retiring the closed valve at Antioch that is separating the two different pressure systems.	3760	\$73,257
299	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011664	BS Main Replacement - W 66th Terr & Antioch, Overland Park, KS - Replace: 695' 2" APBS Retire: 35' 2" APCS. Install: 640' 2" PE. Replacing APBS with PE on W 66th Terr, and retiring the closed valve at Antioch that is separating the two different pressure systems.	3769	\$2,900
300	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011664	BS Main Replacement - W 66th Terr & Antioch, Overland Park, KS - Replace: 695' 2" APBS Retire: 35' 2" APCS. Install: 640' 2" PE. Replacing APBS with PE on W 66th Terr, and retiring the closed valve at Antioch that is separating the two different pressure systems.	3800	\$17,665
301	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011667	BS Main Replacement - 5307 W 69th St, Prairie Village, KS - Install 40' 4" CS main. Retire 132' 4" BS and 53' 4" PE main. This work will also kill out the existing regulator station and new reg station (with the same DRS #) will be installed on work order 051.054.3522.011655.	3800	\$18,846
302	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011670	Install 20' 2" PE main. Retire 20' 2" BS main. 1632 S 30th St, Overland Park KS. Need to remove tightened coupling that is to large for a pumpkin to be installed over it.	3760	\$3,708
303	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011670	Install 20' 2" PE main. Retire 20' 2" BS main. 1632 S 30th St, Overland Park KS. Need to remove tightened coupling that is to large for a pumpkin to be installed over it.	3769	\$4,368
304	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3522	054	011682	6823 W 77th Ter - Leak Repair. To Install: 30' 2" CS Main. To Retire: 30' 2" BS Main. This work is being done to replace the main in front of 6823 W 77th Ter. The main currently has a class 2 leak under the customers driveway. The driveway is a stamped concrete driveway. To avoid destroying the driveway, a new section of main will be bored under the driveway to eliminate the leak. Leak number is LK2021-10323006.	3760	\$2,249
305	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012614	BS Main Replacement: Replace 250' of 2" APBS, 160' 3" APBS, 120' 3" APCS, 684' 4" APBS, 48' 4" UPBS, 117' 6" UPBS; 88' 6" APBS. Install 430' 2" PE, 1060' 4" PE. The 6,4,3 & 2" APBS main at Main and Central in Mulvane KS was identified as High Risk vintage pipe and picked to be replaced for our 2022 AWP projects.	3760	\$103,627
306	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012614	BS Main Replacement: Replace 250' of 2" APBS, 160' 3" APBS, 120' 3" APCS, 684' 4" APBS, 48' 4" UPBS, 117' 6" UPBS; 88' 6" APBS. Install 430' 2" PE, 1060' 4" PE. The 6,4,3 & 2" APBS main at Main and Central in Mulvane KS was identified as High Risk vintage pipe and picked to be replaced for our 2022 AWP projects.	3800	\$9,750
307	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012636	BS Main Replacement - Pawnee & George Washington, Wichita - Retire 231' of 6" CS, 61' of 4" CS, 50' of 3" CS, 67' of 2" CS, 2213 of 4" UPBS, 1,075' of 3" UPBS, 2,618' of 2" UPBS, 422' of 1.5" UPBS, 530' of 1.25" UPBS, 228' of 1" UPBS, 351' of 2" PE, 137' of 3" PE main. Install 3,500' of 2" PE, 3,000' of 4" PE, and 200' of 6" PE main as part of the 2022 annual work plan projects. 36 BS service line renewals. 79 Total Service Lines.	3760	\$326,288
308	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012636	BS Main Replacement - Pawnee & George Washington, Wichita - Retire 231' of 6" CS, 61' of 4" CS, 50' of 3" CS, 67' of 2" CS, 2213 of 4" UPBS, 1,075' of 3" UPBS, 2,618' of 2" UPBS, 422' of 1.5" UPBS, 530' of 1.25" UPBS, 228' of 1" UPBS, 351' of 2" PE, 137' of 3" PE main. Install 3,500' of 2" PE, 3,000' of 4" PE, and 200' of 6" PE main as part of the 2022 annual work plan projects. 36 BS service line renewals. 79 Total Service Lines.	3769	\$2,318
309	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012636	BS Main Replacement - Pawnee & George Washington, Wichita - Retire 231' of 6" CS, 61' of 4" CS, 50' of 3" CS, 67' of 2" CS, 2213 of 4" UPBS, 1,075' of 3" UPBS, 2,618' of 2" UPBS, 422' of 1.5" UPBS, 530' of 1.25" UPBS, 228' of 1" UPBS, 351' of 2" PE, 137' of 3" PE main. Install 3,500' of 2" PE, 3,000' of 4" PE, and 200' of 6" PE main as part of the 2022 annual work plan projects. 36 BS service line renewals. 79 Total Service Lines.	3800	\$150,359
310	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012747	BS Main Replacement - 1715 W Greenfield, Wichita - Retire 192' of 2" RPBS and 90' of 2" RPBS main due to leak on main with minimal remaining wall thickness. Install 275' of 2" PE main.	3760	\$19,994
311	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012747	BS Main Replacement - 1715 W Greenfield, Wichita - Retire 192' of 2" RPBS and 90' of 2" RPBS main due to leak on main with minimal remaining wall thickness. Install 275' of 2" PE main.	3769	\$1,627
312	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012747	BS Main Replacement - 1715 W Greenfield, Wichita - Retire 192' of 2" RPBS and 90' of 2" RPBS main due to leak on main with minimal remaining wall thickness. Install 275' of 2" PE main.	3800	\$25,441
313	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012764	BS Main Replacement - 180 S Hillsdale Dr, Wichita - Retire 350' of 2" APBS main with multiple leak clamps located on existing main segment. Install 350' of 2" PE main.	3760	\$12,097
314	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012764	BS Main Replacement - 180 S Hillsdale Dr, Wichita - Retire 350' of 2" APBS main with multiple leak clamps located on existing main segment. Install 350' of 2" PE main.	3769	\$2,710
315	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012766	BS Main Replacement - 4th & Burns, valley Center - Retire 75' of 3" APBS and 445' of 4" APBS main as part of the 2023 annual work plan projects. Install 550' of 4" PE main.	3760	\$83,256
316	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012766	BS Main Replacement - 4th & Burns, valley Center - Retire 75' of 3" APBS and 445' of 4" APBS main as part of the 2023 annual work plan projects. Install 550' of 4" PE main.	3765	\$8,314
317	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012766	BS Main Replacement - 4th & Burns, valley Center - Retire 75' of 3" APBS and 445' of 4" APBS main as part of the 2023 annual work plan projects. Install 550' of 4" PE main.	3769	\$6,968
318	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012766	BS Main Replacement - 4th & Burns, valley Center - Retire 75' of 3" APBS and 445' of 4" APBS main as part of the 2023 annual work plan projects. Install 550' of 4" PE main.	3800	\$3,522
319	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012767	BS Main Replacement - Main & Thomas, Mount Hope - Retire 60' of 3" RPBS main as part of the 2023 annual work plan projects. Install 75' of 4" CS main.	3765	\$33,065
320	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012768	BS Main Replacement - Gilbert & Hydraulic, Wichita - Retire 251' of 3" UPBS and 36' of 3" PE main as part of the 2023 annual work plan projects. Install 300' of 2" PE main.	3760	\$29,194
321	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012768	BS Main Replacement - Gilbert & Hydraulic, Wichita - Retire 251' of 3" UPBS and 36' of 3" PE main as part of the 2023 annual work plan projects. Install 300' of 2" PE main.	3800	\$651
322	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012781	BS Main Replacement & UPBS Yard Line Replacement - 27th & Memorial, North Newton - Retire 117' of 2" BS main attached to bridge and 400' of 2" UPBS yard line. Install 630' of 2" PE main.	3760	\$51,651
323	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012781	BS Main Replacement & UPBS Yard Line Replacement - 27th & Memorial, North Newton - Retire 117' of 2" BS main attached to bridge and 400' of 2" UPBS yard line. Install 630' of 2" PE main.	3800	\$6,827
324	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012785	Main Replacement - 2561 N Salina Ave, Wichita - Retire 60' of 6" RPBS and 15' of 2" RPBS main due to a leaking coupling on existing main segment. Install 60' of 6" RPBS and 15' of 2" RPBS main.	3765	\$53,980
325	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012787	BS Main Replacement - English & Riverview, Derby - Retire 385' of 4" APBS main as part of the 2023 annual work plan projects. Install 630' of 4" PE main. 2 BS service line renewals.	3760	\$54,811
326	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012787	BS Main Replacement - English & Riverview, Derby - Retire 385' of 4" APBS main as part of the 2023 annual work plan projects. Install 630' of 4" PE main. 2 BS service line renewals.	3769	\$1,795
327	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012787	BS Main Replacement - English & Riverview, Derby - Retire 385' of 4" APBS main as part of the 2023 annual work plan projects. Install 630' of 4" PE main. 2 BS service line renewals.	3800	\$4,246

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
328	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012792	BS Main Replacement - 1st & Roosevelt, Wichita - Retire of 75' of 2" PE, 130' of 3" APBS, 200' of 3" APCS, 25' of 4" APCS and 45' of 4" APBS main due to corrosion deficiency. Install 700' of 2" PE.	3760	\$54,162
329	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012792	BS Main Replacement - 1st & Roosevelt, Wichita - Retire of 75' of 2" PE, 130' of 3" APBS, 200' of 3" APCS, 25' of 4" APCS and 45' of 4" APBS main due to corrosion deficiency. Install 700' of 2" PE.	3769	\$1,436
330	Bare Steel Main Replacement	K.S.A. 66-2202	5/17/2023	3721	054	012792	BS Main Replacement - 1st & Roosevelt, Wichita - Retire of 75' of 2" PE, 130' of 3" APBS, 200' of 3" APCS, 25' of 4" APCS and 45' of 4" APBS main due to corrosion deficiency. Install 700' of 2" PE.	3800	\$18,598
331	Bare Steel Main Replacement	K.S.A. 66-2202	5/19/2023	3631	054	010450	BS Main Replacement - Adams & Ave G -as part of the 2023 AWP projects. Retire: 509' - 2" UPBS , 741'-3" UPBS, 26'-3" PE , 514'-4" UPBS. Install: 1,790' - 2" PE.	3760	\$62,647
332	Bare Steel Main Replacement	K.S.A. 66-2202	5/19/2023	3631	054	010450	BS Main Replacement - Adams & Ave G -as part of the 2023 AWP projects. Retire: 509' - 2" UPBS , 741'-3" UPBS, 26'-3" PE , 514'-4" UPBS. Install: 1,790' - 2" PE.	3800	\$6,643
333	Bare Steel Main Replacement	K.S.A. 66-2202	5/19/2023	3721	054	012806	BS Main Replacement - 4618 E Bayley St, Wichita - Retire 200' of 2" APBS main due to water found in main from water leak. Install 200' of 2" PE.	3760	\$4,078
334	Bare Steel Main Replacement	K.S.A. 66-2202	5/19/2023	3721	054	012806	BS Main Replacement - 4618 E Bayley St, Wichita - Retire 200' of 2" APBS main due to water found in main from water leak. Install 200' of 2" PE.	3800	\$341
335	Bare Steel Main Replacement	K.S.A. 66-2202	5/30/2023	3641	054	010415	BS main replacement - 2023 AWP - Crawford & Broadway, Salina - Retire 3540' 2" APBS, 1325' 2" APCS & 245' 1.25" APCS main as part of the 2023 annual work planned projects. Install 3630' 2" PE main. 11 BS renewals. 24 total affected SL 13 PE tie overs 11 BS renewals.	3760	\$182,568
336	Bare Steel Main Replacement	K.S.A. 66-2202	5/30/2023	3641	054	010415	BS main replacement - 2023 AWP - Crawford & Broadway, Salina - Retire 3540' 2" APBS, 1325' 2" APCS & 245' 1.25" APCS main as part of the 2023 annual work planned projects. Install 3630' 2" PE main. 11 BS renewals. 24 total affected SL 13 PE tie overs 11 BS renewals.	3800	\$75,535
337	Bare Steel Main Replacement	K.S.A. 66-2202	5/30/2023	3641	054	010415	BS main replacement - 2023 AWP - Crawford & Broadway, Salina - Retire 3540' 2" APBS, 1325' 2" APCS & 245' 1.25" APCS main as part of the 2023 annual work planned projects. Install 3630' 2" PE main. 11 BS renewals. 24 total affected SL 13 PE tie overs 11 BS renewals.	3830	\$4,761
338	Bare Steel Main Replacement	K.S.A. 66-2202	6/2/2023	3621	054	010341	BS Main Replacement - 1010 Taft, Great Bend - Retire 12' of 2" BS main due to leak from coupling on existing main segment. Install 12' of 2" CS main.	3765	\$2,988
339	Bare Steel Main Replacement	K.S.A. 66-2202	6/2/2023	3631	054	010453	BS Main Replacement - 101 S Buckeye, Stafford - Retire 6' of 2" BS main with obsolete fittings in conflict with completing a service line retirement. Install 6' of 2" CS main.	3765	\$3,369
340	Bare Steel Main Replacement	K.S.A. 66-2202	6/2/2023	3541	054	010725	1701 SE Hudson Blvd, Topeka, KS - To Install: 905-foot2-inch PE, 425-foot 4-inch PE. To Retire: 68-foot 2-inch PE, 104-foot 2-inch CS,940-foot 2-inch BS, 478-foot 4-inch BS. Was found to be leaking in SR # 2021-10162536. The main was too thin to weld, so a temporary repair had to be completed.	3760	\$168,266
341	Bare Steel Main Replacement	K.S.A. 66-2202	6/2/2023	3541	054	010725	1701 SE Hudson Blvd, Topeka, KS - To Install: 905-foot2-inch PE, 425-foot 4-inch PE. To Retire: 68-foot 2-inch PE, 104-foot 2-inch CS,940-foot 2-inch BS, 478-foot 4-inch BS. Was found to be leaking in SR # 2021-10162536. The main was too thin to weld, so a temporary repair had to be completed.	3765	\$269
342	Bare Steel Main Replacement	K.S.A. 66-2202	6/2/2023	3541	054	010725	1701 SE Hudson Blvd, Topeka, KS - To Install: 905-foot2-inch PE, 425-foot 4-inch PE. To Retire: 68-foot 2-inch PE, 104-foot 2-inch CS,940-foot 2-inch BS, 478-foot 4-inch BS. Was found to be leaking in SR # 2021-10162536. The main was too thin to weld, so a temporary repair had to be completed.	3800	\$19,448
343	Bare Steel Main Replacement	K.S.A. 66-2202	6/2/2023	3541	054	010725	1701 SE Hudson Blvd, Topeka, KS - To Install: 905-foot2-inch PE, 425-foot 4-inch PE. To Retire: 68-foot 2-inch PE, 104-foot 2-inch CS,940-foot 2-inch BS, 478-foot 4-inch BS. Was found to be leaking in SR # 2021-10162536. The main was too thin to weld, so a temporary repair had to be completed.	3820	\$3,459
344	Bare Steel Main Replacement	K.S.A. 66-2202	6/2/2023	3522	054	011671	Retire 236' 2" BS and 10' 2" PE main. 61st and Edith, Kansas City, KS. Install 250' 2" PE main. This work is being done to perform the permanent repair a leak. A leak clamp was installed but were unable to install a weld reinforcing sleeve around the clamp due to inadequate remaining wall thickness.	3760	\$24,593
345	Bare Steel Main Replacement	K.S.A. 66-2202	6/2/2023	3522	054	011671	Retire 236' 2" BS and 10' 2" PE main. 61st and Edith, Kansas City, KS. Install 250' 2" PE main. This work is being done to perform the permanent repair a leak. A leak clamp was installed but were unable to install a weld reinforcing sleeve around the clamp due to inadequate remaining wall thickness.	3800	\$10,103
346	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3641	054	010408	BS Main Replacement - Neal to Magnolia, Salina - Retire 5,600' of 8" APBS main as part of the 2022 annual work plan projects. Install 3,200' of 12" APCS main.	3760	\$28,623
347	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3641	054	010408	BS Main Replacement - Neal to Magnolia, Salina - Retire 5,600' of 8" APBS main as part of the 2022 annual work plan projects. Install 3,200' of 12" APCS main.	3765	\$902,913
348	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3641	054	010408	BS Main Replacement - Neal to Magnolia, Salina - Retire 5,600' of 8" APBS main as part of the 2022 annual work plan projects. Install 3,200' of 12" APCS main.	3769	\$3,062
349	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3641	054	010408	BS Main Replacement - Neal to Magnolia, Salina - Retire 5,600' of 8" APBS main as part of the 2022 annual work plan projects. Install 3,200' of 12" APCS main.	3780	\$211,664
350	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3541	054	010726	3142 SE Colorado Ave, Topeka, KS - To Install: 220-foot 4-inch PE, 15-foot 2-inch PE. To Retire: 10-foot2-inch PE, 229-foot 4-inch BS, 5-foot 4-inch CS. LK Repair project: This project is a permanent LK repair where several clamps were installed at the SW intersection of SE Colorado Ave and SE 32ND Ave, but a permanent repair was not possible due to existing pitting on the main.	3760	\$34,442
351	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3541	054	010726	3142 SE Colorado Ave, Topeka, KS - To Install: 220-foot 4-inch PE, 15-foot 2-inch PE. To Retire: 10-foot2-inch PE, 229-foot 4-inch BS, 5-foot 4-inch CS. LK Repair project: This project is a permanent LK repair where several clamps were installed at the SW intersection of SE Colorado Ave and SE 32ND Ave, but a permanent repair was not possible due to existing pitting on the main.	3800	\$7,495
352	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3721	054	012617	BS Main Replacement - MacArthur & Mitchell Floodway, Wichita - Retire 6,133' of 16' RPCS, 500' of 10" RPBS, and 600' of 4" RPCS main due to exposed pipe with multiple dents and significant corrosion. Install 6,000' of 8" RPCS main.	3765	\$824,901
353	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3721	054	012617	BS Main Replacement - MacArthur & Mitchell Floodway, Wichita - Retire 6,133' of 16' RPCS, 500' of 10" RPBS, and 600' of 4" RPCS main due to exposed pipe with multiple dents and significant corrosion. Install 6,000' of 8" RPCS main.	3780	\$98,448
354	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3721	054	012710	BS Main Replacement - 320 W Broadway, Newton - Retire 475' of 4" BS and 25' of 4" CS main due to cathodic deficiency from 3rd party cutting bond wires across a coupling on existing main. Install 500' of 2" PE main. 1 BS SL renewal.	3760	\$25,131
355	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3721	054	012710	BS Main Replacement - 320 W Broadway, Newton - Retire 475' of 4" BS and 25' of 4" CS main due to cathodic deficiency from 3rd party cutting bond wires across a coupling on existing main. Install 500' of 2" PE main. 1 BS SL renewal.	3769	\$2,295
356	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3721	054	012710	BS Main Replacement - 320 W Broadway, Newton - Retire 475' of 4" BS and 25' of 4" CS main due to cathodic deficiency from 3rd party cutting bond wires across a coupling on existing main. Install 500' of 2" PE main. 1 BS SL renewal.	3800	\$41,092
357	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3721	054	012710	BS Main Replacement - 320 W Broadway, Newton - Retire 475' of 4" BS and 25' of 4" CS main due to cathodic deficiency from 3rd party cutting bond wires across a coupling on existing main. Install 500' of 2" PE main. 1 BS SL renewal.	3820	\$2,710
358	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3721	054	012710	BS Main Replacement - 320 W Broadway, Newton - Retire 475' of 4" BS and 25' of 4" CS main due to cathodic deficiency from 3rd party cutting bond wires across a coupling on existing main. Install 500' of 2" PE main. 1 BS SL renewal.	3830	\$1,992
359	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3721	054	012816	BS Main Replacement - 43rd St N & S Hydraulic, Wichita - Retire 1,200' of 4" BS main to permanently repair and replace a clamped leak and to clear a corrosion deficiency. Install 1,200' of 4" PE main. 9 PE Tie Overs.	3760	\$59,914
360	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3721	054	012816	BS Main Replacement - 43rd St N & S Hydraulic, Wichita - Retire 1,200' of 4" BS main to permanently repair and replace a clamped leak and to clear a corrosion deficiency. Install 1,200' of 4" PE main. 9 PE Tie Overs.	3800	\$12,523

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
361	Bare Steel Main Replacement	K.S.A. 66-2202	6/15/2023	3721	054	012871	BS Main Replacement - 2140 S Madison, Wichita - Retire 34' of 2" BS main due to leak on existing main segment. Install 37' of 2" PE main.	3800	\$4,336
362	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2023	3641	054	010403	BS Main Replacement - TBS 1 to Neal, Salina - Retire 8,000' of 8" APBS main as part of the 2022 annual work plan projects. Install 4,000' of 12" CS main.	3765	\$954,105
363	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2023	3641	054	010403	BS Main Replacement - TBS 1 to Neal, Salina - Retire 8,000' of 8" APBS main as part of the 2022 annual work plan projects. Install 4,000' of 12" CS main.	3769	\$1,433
364	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2023	3641	054	010403	BS Main Replacement - TBS 1 to Neal, Salina - Retire 8,000' of 8" APBS main as part of the 2022 annual work plan projects. Install 4,000' of 12" CS main.	3780	\$87,160
365	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2023	3522	054	011672	6543 Reeds Dr, Mission, KS - Install 370' of 2" PE along Reeds Dr. and 120' of 4" PE along Beverly Dr. to clear the temporary leak repair and also retire pipe that was reported to have significant corrosion by operations. Retire 1032' 3" BS and 72' 4" BS.	3760	\$76,432
366	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2023	3522	054	011672	6543 Reeds Dr, Mission, KS - Install 370' of 2" PE along Reeds Dr. and 120' of 4" PE along Beverly Dr. to clear the temporary leak repair and also retire pipe that was reported to have significant corrosion by operations. Retire 1032' 3" BS and 72' 4" BS.	3769	\$6,032
367	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2023	3522	054	011672	6543 Reeds Dr, Mission, KS - Install 370' of 2" PE along Reeds Dr. and 120' of 4" PE along Beverly Dr. to clear the temporary leak repair and also retire pipe that was reported to have significant corrosion by operations. Retire 1032' 3" BS and 72' 4" BS.	3800	\$7,648
368	Bare Steel Main Replacement	K.S.A. 66-2202	7/5/2023	3521	053	010197	BS Main Replacement - Prince St & Prairie St, Princeton, KS Install 900' 2" PE main. Retire 774' 2" RPBS and 125' 2" RPCS main. This project is to permanently repair a leak and the crew discovered the main to be only 3" deep for an extended length.	3760	\$39,425
369	Bare Steel Main Replacement	K.S.A. 66-2202	7/5/2023	3521	053	010197	BS Main Replacement - Prince St & Prairie St, Princeton, KS Install 900' 2" PE main. Retire 774' 2" RPBS and 125' 2" RPCS main. This project is to permanently repair a leak and the crew discovered the main to be only 3" deep for an extended length.	3769	\$6,721
370	Bare Steel Main Replacement	K.S.A. 66-2202	7/5/2023	3521	053	010197	BS Main Replacement - Prince St & Prairie St, Princeton, KS Install 900' 2" PE main. Retire 774' 2" RPBS and 125' 2" RPCS main. This project is to permanently repair a leak and the crew discovered the main to be only 3" deep for an extended length.	3800	\$5,186
371	Bare Steel Main Replacement	K.S.A. 66-2202	7/5/2023	3761	054	010353	BS Main Replacement - 614 SE 69th Terrace, Crestline - Retire 6' of 2" APBS main due to leak on existing main. Install 10' of 2" APCS main.	3765	\$5,445
372	Bare Steel Main Replacement	K.S.A. 66-2202	7/5/2023	3721	054	012664	BS Main Replacement - Lincoln & Washington, Wichita - Retire 1,210' of 8" UPBS, 1,035' of 6" UPBS, and 1,580' of 4" UPBS main as part of the 2022 annual work plan projects. Install 4,100' of 4" PE and 200' of 2" PE main. 5 BS renewals.	3760	\$359,048
373	Bare Steel Main Replacement	K.S.A. 66-2202	7/5/2023	3721	054	012664	BS Main Replacement - Lincoln & Washington, Wichita - Retire 1,210' of 8" UPBS, 1,035' of 6" UPBS, and 1,580' of 4" UPBS main as part of the 2022 annual work plan projects. Install 4,100' of 4" PE and 200' of 2" PE main. 5 BS renewals.	3769	\$1,703
374	Bare Steel Main Replacement	K.S.A. 66-2202	7/5/2023	3721	054	012664	BS Main Replacement - Lincoln & Washington, Wichita - Retire 1,210' of 8" UPBS, 1,035' of 6" UPBS, and 1,580' of 4" UPBS main as part of the 2022 annual work plan projects. Install 4,100' of 4" PE and 200' of 2" PE main. 5 BS renewals.	3800	\$41,771
375	Bare Steel Main Replacement	K.S.A. 66-2202	7/5/2023	3721	054	012855	BS Main Replacement - Pawnee & Lulu, Wichita KS - Retire 1380' of 2" UPBS as part of the 2023 annual work plan projects. Install 1400' of 2" PE. 9 PE service replacements and 31 PE service tie overs	3760	\$66,683
376	Bare Steel Main Replacement	K.S.A. 66-2202	7/5/2023	3721	054	012855	BS Main Replacement - Pawnee & Lulu, Wichita KS - Retire 1380' of 2" UPBS as part of the 2023 annual work plan projects. Install 1400' of 2" PE. 9 PE service replacements and 31 PE service tie overs	3800	\$40,825
377	Bare Steel Main Replacement	K.S.A. 66-2202	7/5/2023	3721	054	012867	BS Main Replacement - 1228 W Figg, Wichita - Retire 270' of 2" BS main due to leak on existing main segment. Install 270' of 2" PE main.	3760	\$4,744
378	Bare Steel Main Replacement	K.S.A. 66-2202	7/5/2023	3721	054	012867	BS Main Replacement - 1228 W Figg, Wichita - Retire 270' of 2" BS main due to leak on existing main segment. Install 270' of 2" PE main.	3800	\$1,628
	Bare Steel Main Replacement Total								\$19,472,948
379	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	8/2/2022	3542	053	010063	Install 140' 2" PE service Retire 60' BS service. 220 Weaver St, Emporia, KS. BS service line replacement due to leak found on service line.	3800	\$2,458
380	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	8/2/2022	3542	053	010063	Install 140' 2" PE service Retire 60' BS service. 220 Weaver St, Emporia, KS. BS service line replacement due to leak found on service line.	3805	\$580
381	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	8/25/2022	3622	054	010287	BS SL Replacement - Retire 50' of 2" BS service line as part of the bare steel service renewal program. Install 50' of 1.25" PE service line.	3800	\$3,267
382	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	8/25/2022	3622	054	010287	BS SL Replacement - Retire 50' of 2" BS service line as part of the bare steel service renewal program. Install 50' of 1.25" PE service line.	3820	\$1,830
383	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	8/25/2022	3622	054	010292	BS SL Replacement - 409 S Main, Pratt - Retire 100' of 2" BS service line as part of the BS service line renewal program. Install 100' of 1.25" PE SL.	3800	\$4,365
384	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	8/25/2022	3622	054	010292	BS SL Replacement - 409 S Main, Pratt - Retire 100' of 2" BS service line as part of the BS service line renewal program. Install 100' of 1.25" PE SL.	3820	\$1,157
385	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	8/25/2022	3622	054	010298	BS SL Replacement - 419 S Main, Pratt - Retire 10' of 2" BS service line as part of the BS service line renewal program. Install 10' of 1.25" PE SL.	3800	\$3,147
386	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	8/25/2022	3622	054	010298	BS SL Replacement - 419 S Main, Pratt - Retire 10' of 2" BS service line as part of the BS service line renewal program. Install 10' of 1.25" PE SL.	3820	\$4,780
387	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	8/25/2022	3622	054	010299	BS SL Replacement - 113 W 2nd, Pratt - Retire 5' of 2" BS service line as part of the BS service line renewal program. Install 5' of 1.25" PE SL.	3800	\$1,070
388	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	8/25/2022	3622	054	010299	BS SL Replacement - 113 W 2nd, Pratt - Retire 5' of 2" BS service line as part of the BS service line renewal program. Install 5' of 1.25" PE SL.	3820	\$4,130
389	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	9/2/2022	3622	054	010288	BS SL Replacement - Retire 10' of 2" BS service line as part of the bare steel service renewal program. Install 10' of 1.25" PE service line.	3800	\$1,539
390	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	9/2/2022	3622	054	010288	BS SL Replacement - Retire 10' of 2" BS service line as part of the bare steel service renewal program. Install 10' of 1.25" PE service line.	3820	\$5,507
391	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	9/2/2022	3622	054	010302	BS SL Replacement - 105 W 1st, Pratt - Retire 10' of 2" BS service line as part of the BS service line renewal program. Install 10' of 1.25" PE SL.	3800	\$1,321
392	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	9/2/2022	3622	054	010302	BS SL Replacement - 105 W 1st, Pratt - Retire 10' of 2" BS service line as part of the BS service line renewal program. Install 10' of 1.25" PE SL.	3820	\$5,676
393	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	9/19/2022	3721	054	012680	Main Replacement - 819 Parklane Ct, Derby - Retire 30' of 2" APCS main and 60' of 1.25" BS service line due to service tap located under a tree. Install 60' of 0.75" PE service line.	3760	\$790
394	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	9/19/2022	3721	054	012681	BS Service Line Replacement - 1325 S Mosley, Wichita - Retire 40' of 3" BS service line due to leak on service line. Install 40' of 1.25" PE service line.	3760	\$297
395	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	9/19/2022	3721	054	012681	BS Service Line Replacement - 1325 S Mosley, Wichita - Retire 40' of 3" BS service line due to leak on service line. Install 40' of 1.25" PE service line.	3800	\$3,821

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
396	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	10/25/2022	3622	054	010307	BS SL Replacement - 203 S Ninnescah - Retire 10' of 2" BS service line as part of the BS service line renewal program. Install 10' of 1.25" PE SL.	3800	\$1,062
397	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	10/25/2022	3622	054	010307	BS SL Replacement - 203 S Ninnescah - Retire 10' of 2" BS service line as part of the BS service line renewal program. Install 10' of 1.25" PE SL.	3820	\$1,628
398	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	10/25/2022	3622	054	010309	BS SL Replacement - 216 S Main, Pratt - Retire 20' of 2" BS service line as part of the BS service line renewal program. Install 20' of 1.25" PE SL.	3800	\$1,722
399	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	10/25/2022	3622	054	010309	BS SL Replacement - 216 S Main, Pratt - Retire 20' of 2" BS service line as part of the BS service line renewal program. Install 20' of 1.25" PE SL.	3820	\$1,971
400	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/4/2023	3721	054	012754	BS Yard Line Replacement - 2505 S Custer, Wichita - Retire 254' of 4" BS YL as part of the BS service line renewal program. Install 170' of 1.25" PE service line.	3800	\$7,238
401	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3653	054	010146	N 6th and Alston - Marysville, KS. Install: 200' of 2" PE Main, 230' of 3/4" IPS PE Service. Retire: 185' 2" APCS Main, 130' of 1.25" BS Service. This project is to install 160' of 2" PE main to replace existing 2" APCS Main due to a shorted casing crossing 6th ST. There are four service lines connected to the existing main; three of which are 1.25" BS services	3760	\$7,211
402	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3653	054	010146	N 6th and Alston - Marysville, KS. Install: 200' of 2" PE Main, 230' of 3/4" IPS PE Service. Retire: 185' 2" APCS Main, 130' of 1.25" BS Service. This project is to install 160' of 2" PE main to replace existing 2" APCS Main due to a shorted casing crossing 6th ST. There are four service lines connected to the existing main; three of which are 1.25" BS services	3800	\$8,110
403	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3635	054	010232	BS Service Line Replacement - 718 N Hickory, McPherson - Retire 90' of 2" BS service line as part of the BS service line replacement program. Install 90' of 1.25" PE service line.	3769	\$389
404	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3635	054	010232	BS Service Line Replacement - 718 N Hickory, McPherson - Retire 90' of 2" BS service line as part of the BS service line replacement program. Install 90' of 1.25" PE service line.	3800	\$2,255
405	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3635	054	010232	BS Service Line Replacement - 718 N Hickory, McPherson - Retire 90' of 2" BS service line as part of the BS service line replacement program. Install 90' of 1.25" PE service line.	3820	\$637
406	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3622	054	010291	BS Service Line Replacement 124 W 5th, Pratt - Retire 25' of 2" BS service line as part of the BS service line renewal program. Install 25' of 1.25" PE service line.	3800	\$5,894
407	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3622	054	010293	BS Service Line Replacement 307 S Main, Pratt - Retire 30' of 2" BS service line as part of the BS service line renewal program. Install 30' of 1.25" PE service line.	3800	\$6,123
408	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3622	054	010306	BS Service Line Replacement 114 S Main, Pratt - Retire 15' of 2" BS service line as part of the BS service line renewal program. Install 15' of 1.25" PE service line.	3800	\$523
409	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3622	054	010306	BS Service Line Replacement 114 S Main, Pratt - Retire 15' of 2" BS service line as part of the BS service line renewal program. Install 15' of 1.25" PE service line.	3820	\$511
410	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3622	054	010310	BS Service Line Replacement 202 S Main, Pratt - Retire 10' of 2" BS service line as part of the BS service line renewal program. Install 10' of 1.25" PE service line.	3800	\$935
411	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3622	054	010310	BS Service Line Replacement 202 S Main, Pratt - Retire 10' of 2" BS service line as part of the BS service line renewal program. Install 10' of 1.25" PE service line.	3820	\$2,851
412	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3622	054	010312	BS Service Line Replacement 218 S Main, Pratt - Retire 85' of 2" BS service line as part of the BS service line renewal program. Install 85' of 1.25" PE service line.	3800	\$4,822
413	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3622	054	010312	BS Service Line Replacement 218 S Main, Pratt - Retire 85' of 2" BS service line as part of the BS service line renewal program. Install 85' of 1.25" PE service line.	3820	\$1,136
414	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3622	054	010322	BS Service Line Replacements, 400 Block S Main, Pratt - Retire 94' of 2" BS service lines for 4 services as part of the BS service line renewal program. Install 94' of 1.25" PE service lines.	3800	\$19,970
415	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3622	054	010322	BS Service Line Replacements, 400 Block S Main, Pratt - Retire 94' of 2" BS service lines for 4 services as part of the BS service line renewal program. Install 94' of 1.25" PE service lines.	3820	\$5,864
416	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3622	054	010333	BS Service Line Replacement, 1700 E 1st, Pratt - Retire 100' of 2" BS service line as part of the BS service line renewal program. Install 100' of 1.25" PE service lines.	3800	\$4,370
417	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3622	054	010333	BS Service Line Replacement, 1700 E 1st, Pratt - Retire 100' of 2" BS service line as part of the BS service line renewal program. Install 100' of 1.25" PE service lines.	3820	\$1,562
418	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2023	3641	054	010418	BS Service Line Replacement 2633 S Belmont, Salina - Retire 175' of 2" BS service line as part of the BS service line renewal program. Install 175' of 1.25" PE service line.	3800	\$11,152
419	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	5/17/2023	3541	054	010750	Install 230' 2" PE. Retire 230' 6" BS. 3509 S Kansas, Topeka KS. This work is to replace the bare steel service line to Mainline printing. The replacement will take place while the customer is replacing their piping due to a leak.	3800	\$6,777
420	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	5/19/2023	3621	054	010335	BS Service Line Replacement - 1212 Garfield, Great Bend - Retire 73' of 2" BS service line as part of the BS service line replacement program. Install 73' of 1.25" PE service line.	3800	\$6,165
	Bare Steel Service Replacement Total								\$156,611
421	Cathodic Protection	192.455 and/or 192.457	8/25/2022	3642	053	010137	Groundbed Replacement - 4th & Ohio, Sylvan Grove - Retire existing groundbed due to anode depletion. Install new 15 anode groundbed.	3765	\$26,320
422	Cathodic Protection	192.455 and/or 192.457	8/25/2022	3721	054	012667	BS Replacement - 43rd & S Broadway, Wichita - Retire 230' of 2" BS & 100' of 4" CS main to clear a type "C" corrosion deficiency from a shorted casing. Install 230' of 2" PE main and 100' of 4" RPCS main. 1 BS Service Line Renewal.	3760	\$40,133
423	Cathodic Protection	192.455 and/or 192.457	8/25/2022	3721	054	012667	BS Replacement - 43rd & S Broadway, Wichita - Retire 230' of 2" BS & 100' of 4" CS main to clear a type "C" corrosion deficiency from a shorted casing. Install 230' of 2" PE main and 100' of 4" RPCS main. 1 BS Service Line Renewal.	3769	\$5,365
424	Cathodic Protection	192.455 and/or 192.457	8/25/2022	3721	054	012667	BS Replacement - 43rd & S Broadway, Wichita - Retire 230' of 2" BS & 100' of 4" CS main to clear a type "C" corrosion deficiency from a shorted casing. Install 230' of 2" PE main and 100' of 4" RPCS main. 1 BS Service Line Renewal.	3800	\$13,366
425	Cathodic Protection	192.455 and/or 192.457	11/28/2022	3532	053	010072	Rectifier Upgrade - 417 Comanche Dr, Hiawatha - Upgrade existing rectifier by relocating all above ground lines underground.	3765	\$52,956
426	Cathodic Protection	192.455 and/or 192.457	11/28/2022	3721	053	011647	Anode Installation - West & Elm, Wichita - Install 6 groundbed anodes to increase current output and provide proper cathodic protection on steel mains.	3765	\$9,122
427	Cathodic Protection	192.455 and/or 192.457	12/1/2022	3741	054	010510	Groundbed & Rectifier Replacement - Main & 2nd, New Salem - Retire existing depleted groundbed and obsolete Goodall rectifier. Install new Universal Rectifier Model # ES-I 20-10 GC and ESI unit to allow for repairs for with parts that are readily available.	3765	\$11,273
428	Cathodic Protection	192.455 and/or 192.457	12/1/2022	3721	054	012721	BS Main Replacement - Stillwell & Osage, Wichita - Retire 245' of 2" APBS main producing multiple down reads from lack of cathodic protection. Install 245' of 2" PE main.	3760	\$3,575
429	Cathodic Protection	192.455 and/or 192.457	2/1/2023	3622	054	010336	Main Replacement - 23813 S Dean Rd, Pretty Prairie - Retire 20' of 1.25" CS main due to cathodic deficiency and main segment with multiple uncovered Dresser couplings. Install 20' of 2" CS main.	3765	\$3,751
430	Cathodic Protection	192.455 and/or 192.457	4/25/2023	3641	056	010092	Rectifier Installation - 3rd & Elm, Salina - Install new rectifier due to corrosion deficiencies around the above intersection.	3765	\$55,423

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
431	Cathodic Protection	192.455 and/or 192.457	5/2/2023	3741	053	010175	Rectifier Replacement - 307 Country Club Rd, Arkansas City - Retire existing obsolete Goodall rectifier needing replaced and updated to meet electric code. Rectifier pole is leaning in a unsafe position and will require the installation of a new pole. Install new Universal Rectifier ASA1 40-40 AACNRZ.	3765	\$4,900
432	Cathodic Protection	192.455 and/or 192.457	5/12/2023	3642	056	010096	Groundbed and Rectifier Installations - Conger & Jefferson, Smith Center - Install new 15 anode groundbed and Universal rectifier.	3765	\$41,853
433	Cathodic Protection	192.455 and/or 192.457	5/12/2023	3642	056	010096	Groundbed and Rectifier Installations - Conger & Jefferson, Smith Center - Install new 15 anode groundbed and Universal rectifier.	3769	\$20,024
434	Cathodic Protection	192.455 and/or 192.457	5/17/2023	3521	054	010249	Install new ground bed. K68, Pomona, KS.The west rectifier in Pomona has gone bad. After testing, all amps dropped out to 0. The ground bed has been depleted. The ground bed was installed in 1980 and has outlived its usefulness.	3765	\$31,676
435	Cathodic Protection	192.455 and/or 192.457	5/17/2023	3521	054	010249	Install new ground bed. K68, Pomona, KS.The west rectifier in Pomona has gone bad. After testing, all amps dropped out to 0. The ground bed has been depleted. The ground bed was installed in 1980 and has outlived its usefulness.	3769	\$9,912
436	Cathodic Protection	192.455 and/or 192.457	5/17/2023	3721	053	011652	Depleted Groundbed Replacement - 12th & Payton, Newton - Retire existing groundbed due to severed positive cable from third party damage and anode depletion. Install new 15 2660Z Cast Iron anode groundbed.Estimated for KGS Labor.	3765	\$20,526
437	Cathodic Protection	192.455 and/or 192.457	5/17/2023	3721	053	011661	Rectifier Replacement - 501 E Harvey, Wellington - Retire existing obsolete rectifier due to shorted transformer causing multiple tap settings to not work. Install new Universal Rectifier ASA1 40-40 AACNRZ.	3765	\$8,899
438	Cathodic Protection	192.455 and/or 192.457	5/17/2023	3721	054	012831	BS Main Replacement - El Rancho & Cheyenne, Wichita - Retire 300' of 4" APBS main due to corrosion deficiency. Install 300' of 4" PE main.	3760	\$19,925
439	Cathodic Protection	192.455 and/or 192.457	5/17/2023	3721	054	012831	BS Main Replacement - El Rancho & Cheyenne, Wichita - Retire 300' of 4" APBS main due to corrosion deficiency. Install 300' of 4" PE main.	3769	\$1,133
440	Cathodic Protection	192.455 and/or 192.457	5/17/2023	3721	054	012831	BS Main Replacement - El Rancho & Cheyenne, Wichita - Retire 300' of 4" APBS main due to corrosion deficiency. Install 300' of 4" PE main.	3800	\$15,022
441	Cathodic Protection	192.455 and/or 192.457	5/19/2023	3685	046	010220	Groundbed and Rectifier Installation - Hutchinson - Install new 14 anode groundbed and Universal rectifier after low pipe-to-soil readings indicated a need for further cathodic protection in this area.	3670	\$123,166
	Cathodic Protection Total								\$518,320
442	Continuing Surveillance	192.613 (b)	8/25/2022	3641	053	010205	Main Replacement - Seitz & Glenn, Salina - Retire 85' of 2" CS main exposed in drainage ditch. Install 60' of 2" PE main.	3760	\$5,552
443	Continuing Surveillance	192.613 (b)	9/19/2022	3541	054	010734	Install 45' 4" RPCS. Retire 45' 4" RPCS. 2210 SW Fairlawn Rd, Topeka KS. This project is to replace main due to a class 1 leak that was discovered on a 4" steel gate valve in the rear easement behind 2210 SW Fairlawn Rd.	3765	\$41,960
444	Continuing Surveillance	192.613 (b)	10/25/2022	3685	044	010153	BS Transmission Pipe Replacement - Line P0298, Belpre to Macksville - Retire 2,600' of 2" BS Transmission pipe due to insufficient records and obsolescence. Install 2,015' of 2" 0.154 WT API-5L X-52 ERW FBE Transmission pipe.	3652	\$19,054
445	Continuing Surveillance	192.613 (b)	10/25/2022	3685	044	010153	BS Transmission Pipe Replacement - Line P0298, Belpre to Macksville - Retire 2,600' of 2" BS Transmission pipe due to insufficient records and obsolescence. Install 2,015' of 2" 0.154 WT API-5L X-52 ERW FBE Transmission pipe.	3670	\$104,117
446	Continuing Surveillance	192.613 (b)	10/27/2022	3685	044	010147	Survey work, row purchase & permitting, - line P0298 to macksville - survey work, exhibit drawings for row purchase, route drawings, and profiles needed for the proposed replacement of 0.5 miles of pipe replacement for line P0298.	3670	\$14,711
447	Continuing Surveillance	192.613 (b)	1/27/2023	3721	054	012728	Main Replacement - 1230 Mt. Carmel, Wichita - Retire 5' of 2" CS main due to leaking coupling. Install 5' of 2" PE main.	3760	\$3,109
448	Continuing Surveillance	192.613 (b)	1/27/2023	3721	054	012728	Main Replacement - 1230 Mt. Carmel, Wichita - Retire 5' of 2" CS main due to leaking coupling. Install 5' of 2" PE main.	3769	\$1,983
449	Continuing Surveillance	192.613 (b)	1/27/2023	3721	054	012728	Main Replacement - 1230 Mt. Carmel, Wichita - Retire 5' of 2" CS main due to leaking coupling. Install 5' of 2" PE main.	3800	\$3,910
450	Continuing Surveillance	192.613 (b)	4/4/2023	3721	054	012790	Main Replacement - 16th & Central, Harper - Retire 20' of 4" RPCS and 10' of 2" RPCS main due to leak from coupling on inlet leg of DRS and leak on inlet remote valve. Install 20' of 4" RPCS and 10' of 2" RPCS main.	3765	\$8,074
451	Continuing Surveillance	192.613 (b)	4/4/2023	3721	054	012790	Main Replacement - 16th & Central, Harper - Retire 20' of 4" RPCS and 10' of 2" RPCS main due to leak from coupling on inlet leg of DRS and leak on inlet remote valve. Install 20' of 4" RPCS and 10' of 2" RPCS main.	3780	\$7,043
452	Continuing Surveillance	192.613 (b)	4/25/2023	3622	054	010328	BS Main Replacement - Lake Rd & Country Club Rd , Pratt - Retire 35' of 2" BS main due to main exposure. Install 42' of 2" CS main.	3765	\$7,880
453	Continuing Surveillance	192.613 (b)	4/25/2023	3612	044	010369	Anomaly Repair - McPherson - Repair multiple anomalies with pipe wall loss found during a 2018 inspection on line P1605. New reinforcement sleeves were welded over the anomalies to complete the repairs.	3670	\$267,910
454	Continuing Surveillance	192.613 (b)	4/25/2023	3641	054	010412	BS Main Replacement - 3rd & Elm, Salina - Retire 160' of 2" CS and 240' of 2" BS main due to shallow depth. Install 400' of 2" PE main.	3760	\$31,348
455	Continuing Surveillance	192.613 (b)	4/25/2023	3641	054	010412	BS Main Replacement - 3rd & Elm, Salina - Retire 160' of 2" CS and 240' of 2" BS main due to shallow depth. Install 400' of 2" PE main.	3800	\$1,509
456	Continuing Surveillance	192.613 (b)	5/2/2023	3521	053	010205	Retire 30' 2" CS main. 101 Brookside Dr, Paola, KS. Install 30' 2" CS main. The steel gas main is leaking and has been classified as a grade 3 leak. This work will remove (4) dressers including the one that was leaking and a field bend in the 2" steel.	3765	\$8,973
457	Continuing Surveillance	192.613 (b)	5/2/2023	3631	053	010243	Main Replacement - 779 Cherokee, Inman - Retire 141' of 2" APCS main due to leak on existing main segment. Install 130' of 2" PE main.	3760	\$4,384
458	Continuing Surveillance	192.613 (b)	5/2/2023	3631	053	010243	Main Replacement - 779 Cherokee, Inman - Retire 141' of 2" APCS main due to leak on existing main segment. Install 130' of 2" PE main.	3800	\$8,990
459	Continuing Surveillance	192.613 (b)	5/12/2023	3522	053	011994	W 75th & Monticello Rd, Shawnee, KS. Install: 50' 2" PE. Remove: 50' 2" PE Main was unlocatable. Crew was sent out and found the main was too shallow. Contractor found main only 3 inches deep and stated they will be below that with grade. Dogleg is needed to install main at least 30" deep and remove shallow main.	3760	\$3,302
460	Continuing Surveillance	192.613 (b)	5/17/2023	3761	054	010354	Main Replacement - 902 E Centennial, Pittsburg - Retire 35' of 4" APCS main due to leak on existing main segment. Install 40' of 4" APCS and 15' of 2" APCS main.	3765	\$45,762
461	Continuing Surveillance	192.613 (b)	5/17/2023	3631	054	010446	Service Line Replacement - 1500 E 11th Ave, Hutchinson - Retire 21' of CS service line due to a corrosion deficiency on steel service line. Install 21' of 1.25" PE service line.	3800	\$3,967
462	Continuing Surveillance	192.613 (b)	5/17/2023	3631	054	010447	Service Line Replacement - 1500 E 11th Ave #A1, Hutchinson - Retire 13' of 2" CS service line due to corrosion deficiency. Install 13' of 1.25" PE service line.	3800	\$5,412
463	Continuing Surveillance	192.613 (b)	5/17/2023	3741	054	010507	Main Replacement - 6342 312th Rd, Arkansas City - Retire 290' of 2" RPCS main exposed is in creek due to low water level. Install 200' of 2" RPCS main.	3765	\$34,552
464	Continuing Surveillance	192.613 (b)	5/17/2023	3522	054	011637	Retire 3' 2" CS main. 8929 Grandview Dr, Overland Park, KS. Install 6' 2" CS main. This work is being completed to replace a section of steel main with a class 3 leak on a coupling.	3765	\$3,974
465	Continuing Surveillance	192.613 (b)	5/17/2023	3522	054	011681	2108 N 64th Terr, Kansas City, KS - Replacement is to clear class 2 leaks on gate valves at the NW corner, as well as leak on dressers found at the SW corner. Pipe is unable to be welded on so a pumpkin is not possible. Install: 160' 2" PE. Abandon: 145' 2" APCS.	3760	\$30,293
466	Continuing Surveillance	192.613 (b)	5/17/2023	3522	053	012180	87th St Pkwy & Alden Ln, Lenexa, KS - Install 30' 8" CS main. Retire 30' 8" CS main. There is a 3-way tee that is leaking and needs replaced.	3765	\$90,765
467	Continuing Surveillance	192.613 (b)	5/17/2023	3721	054	012838	CS Main Replacement - Esthner & S 151st St W, Wichita - Retire 125' of 2" CS main due to a shorted casing. Install 125' of 2" PE main.	3760	\$3,514
468	Continuing Surveillance	192.613 (b)	5/17/2023	3721	054	012838	CS Main Replacement - Esthner & S 151st St W, Wichita - Retire 125' of 2" CS main due to a shorted casing. Install 125' of 2" PE main.	3769	\$1,202
469	Continuing Surveillance	192.613 (b)	5/19/2023	3643	053	010028	Main Replacement - 2nd Ave & 8th St, Concordia - Retire 112' of 1.25" CS main due to shallow pipe depth. Install 112' of 2" PE main. Worked in conjunction with two BS service lines in the same area.	3760	\$10,453

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
470	Continuing Surveillance	192.613 (b)	5/19/2023	3643	053	010028	Main Replacement - 2nd Ave & 8th St, Concordia - Retire 112' of 1.25" CS main due to shallow pipe depth. Install 112' of 2" PE main. Worked in conjunction with two BS service lines in the same area.	3769	\$1,295
471	Continuing Surveillance	192.613 (b)	5/19/2023	3643	053	010028	Main Replacement - 2nd Ave & 8th St, Concordia - Retire 112' of 1.25" CS main due to shallow pipe depth. Install 112' of 2" PE main. Worked in conjunction with two BS service lines in the same area.	3800	\$9,892
472	Continuing Surveillance	192.613 (b)	5/19/2023	3685	046	010223	Pier Modification - Yaggy Storage Field - Modify 11 piers by removing hold down clamps, dis-bonded FRP shields and concrete from around the pipe. Install new pipe supports, paint and prep pipe surface to allow for inspection and eliminate moisture build from causing pipe corrosion.	3670	\$67,026
473	Continuing Surveillance	192.613 (b)	5/19/2023	3522	054	011676	8045 Rowland Ave - KCK - LEAK REPAIR. To install: 50' 4" CS MAIN. To Retire: 40' 4" CS MAIN. This work is being done at 8045 Rowland Ave to fix a leak. Currently there are 3 valves installed at this location. Install new 4" CS MAIN and abandon the Main and valves at this location.	3765	\$16,507
474	Continuing Surveillance	192.613 (b)	5/30/2023	3651	054	010168	401 Houston - Manhattan, KS - Install: 200' of 2" PE. Retire: 160' of 4" APCS, 40' of 2" APCS. To fix an existing Grade II leak on the 2" APCS main south of 401 Houston in Manhattan, KS.	3760	\$10,182
475	Continuing Surveillance	192.613 (b)	5/30/2023	3651	054	010168	401 Houston - Manhattan, KS - Install: 200' of 2" PE. Retire: 160' of 4" APCS, 40' of 2" APCS. To fix an existing Grade II leak on the 2" APCS main south of 401 Houston in Manhattan, KS.	3800	\$3,849
476	Continuing Surveillance	192.613 (b)	5/30/2023	3651	054	010168	401 Houston - Manhattan, KS - Install: 200' of 2" PE. Retire: 160' of 4" APCS, 40' of 2" APCS. To fix an existing Grade II leak on the 2" APCS main south of 401 Houston in Manhattan, KS.	3820	\$1,158
477	Continuing Surveillance	192.613 (b)	5/30/2023	3651	054	010168	401 Houston - Manhattan, KS - Install: 200' of 2" PE. Retire: 160' of 4" APCS, 40' of 2" APCS. To fix an existing Grade II leak on the 2" APCS main south of 401 Houston in Manhattan, KS.	3830	\$1,912
478	Continuing Surveillance	192.613 (b)	6/1/2023	3685	044	010161	Transmission Pipe Replacement - Line P0420 near Larned - Retire approximately 1/2 mile of 4" CS transmission pipe with insufficient MAOP documentation. Install approximately 1/2 mile of 4.500-inch, 0.188 wt, API5L-X-52, ERW, DRL, FBE transmission pipe.	3670	\$382,084
479	Continuing Surveillance	192.613 (b)	6/2/2023	3653	053	010126	Wolf Creek - 1089 21st Terrace - Beattie, KS - Install: 200' of 2" PE. Retire: 160' of 2" APCS. Replace exposed 4" APCS main in the middle of Wolf Creek that is running N along 21st Terrace just south of Beattie. This 4" APCS needs to be replaced immediately as it is the main feed for the city. This will be replaced with 2" PE.	3760	\$6,775
480	Continuing Surveillance	192.613 (b)	6/2/2023	3653	053	010126	Wolf Creek - 1089 21st Terrace - Beattie, KS - Install: 200' of 2" PE. Retire: 160' of 2" APCS. Replace exposed 4" APCS main in the middle of Wolf Creek that is running N along 21st Terrace just south of Beattie. This 4" APCS needs to be replaced immediately as it is the main feed for the city. This will be replaced with 2" PE.	3769	\$584
481	Continuing Surveillance	192.613 (b)	6/15/2023	3612	046	010129	MAOP Reconfirmation - Line P0622 McPherson Power Plant - Conduct pipe samplings in four dig areas to confirm NDT for 3 fittings, determine MAOP and gather accurate documentation.	3670	\$59,153
482	Continuing Surveillance	192.613 (b)	6/15/2023	3522	054	011638	5801 W 86th Ter, Overland Park, KS - Install 60' 2"CS main. Retire 60' 2" CS main. Install 60' 2"CS main dog leg to eliminate the BS service line tap under a tree that is being replaced with a plastic service line.	3765	\$8,638
483	Continuing Surveillance	192.613 (b)	6/20/2023	3685	044	010159	Survey, ROW, and Permitting for the 2022 AWP project to replace line P0420 near Larned KS. This project will provide alignment drawings and permits for the planned 2022 replacement of line P0420 as well as exhibit drawings and ROW for the new route as needed. Project done in conjunction with 010161.	3670	\$70,662
484	Continuing Surveillance	192.613 (b)	6/20/2023	3612	043	010175	Exposure Remediation - Line P0818 to Wamego MP 3.9-8.9 - Retire 4,500' of 8" transmission pipe due to multiple pipe exposures from erosion near 3 creek crossings. Lower and install 4,500' of 8" Transmission pipe.	3670	\$800,148
485	Continuing Surveillance	192.613 (b)	6/20/2023	3612	044	010384	Transmission Pipe Replacement - Line P0818 to Wamego MP 3.0-3.2 - Retire 1,500' of 8" vintage, transmission pipe with inadequate records and thin wall thickness. Install 1,500' of 8" 0.250 WT X52 ARO steel Transmission pipe.	3670	\$619,226
486	Continuing Surveillance	192.613 (b)	6/20/2023	3612	044	010384	Transmission Pipe Replacement - Line P0818 to Wamego MP 3.0-3.2 - Retire 1,500' of 8" vintage, transmission pipe with inadequate records and thin wall thickness. Install 1,500' of 8" 0.250 WT X52 ARO steel Transmission pipe.	3690	\$25,444
487	Continuing Surveillance	192.613 (b)	6/22/2023	3612	043	010169	Survey work, row purchase & permitting, - line P0818 to Wamego mp 3.6-mp 8.6 - survey work, exhibit drawings for row purchase, route drawings, and profiles needed for the proposed replacement of 2,000' of pipe replacement for line P0818.	3670	\$98,734
488	Continuing Surveillance	192.613 (b)	7/5/2023	3612	044	010382	Transmission Pipe Replacement - Line P0295 to Linn,KS - Retire 0.6 miles of 2" CS transmission pipe due to insufficient material and grade documentation. Install 0.27 miles of 2" CS transmission pipe.	3670	\$72,784
489	Continuing Surveillance	192.613 (b)	7/5/2023	3721	054	012874	Main Replacement - 301 N Goddard, Goddard - Retire 15' of 2" CS main due to leak on existing main segment. Install 20' of 2" PE main.	3760	\$3,244
Continuing Surveillance Total									\$3,032,999
490	Physical Security		7/18/2022	3557	094	010529	Atchison SC OH Door Operators - Furnish and install one commercial OH Door operator for each on the Northeast and Northwest bay doors. Current operators are obsolete as well as the parts within that are beginning to fail causing intermittent opening and closing failures.	3901	\$11,835
491	Physical Security		8/2/2022	3557	094	010522	Wichita SC Gate Operators Replacement - Purchase (3)-CSL24UL Gate Operators, (6) 4' Safety Edges, (3) Wireless Edge Kits and (3) Loop Detectors. All three gate operators at this site are the same age and have far exceeded their life expectancy.	3901	\$11,796
492	Physical Security		8/25/2022	3557	097	010099	Wichita Fleet Garage OH Door Operators - Furnish and install one commercial OH Door Operator for each on the East Door #2 and South Door #2. Recent utility electric surges burned both motors up, units are obsolete, and parts can no longer be obtained.	3902	\$6,742
493	Physical Security		8/25/2022	3557	094	010495	KGS Network Video Recorder Upgrade - Install NVR and backup power, Add surveillance to MDF, Program NVR and Genetec Federated site, Other cost-consumables (wire, conduit, J boxes, crimps, screws, cleaners) rentals. Sites currently have legacy NVR's (Network Video Recorders) These units are out of warranty and EOL. Current ONEGas standards for NVR's are units provisioned through IT and meet the IT standards.	3901	\$36,427
494	Physical Security		8/25/2022	3557	094	010498	KGS Mercury Conversions - Purchase new controllers: Wichita SC, Emporia SC, Topeka Information Center. Install and cutover all new boards, Reprogram site functionality and sync, Man site to minimize traffic flow. Current production access control hardware panels are EOL (End of Life) in 2022 by the manufacturer. With these devices as they fail or need updates to support current applications they will soon no longer be manufactured or supported.	3901	\$77,280
495	Physical Security		8/25/2022	3557	094	010524	KGS BELOIT SC CAMERA TECHNOLOGY UPGRADE - 2022 - Install new technology cameras on East and West Yard. Add overhead door status contact on roll up doors. The 2 new cameras will replace older units with limited features and limited view of the storage yard next to the building. New overhead contacts will be added to a couple of overhead doors to provide status into the system.	3901	\$3,814
496	Physical Security		12/21/2022	3557	094	010556	Wichita SC North Gate Replacement - Provide labor and materials to install a 20' x 6' aluminum single track cantilever chain link gate and materials needed to reduce 30' opening to 20'.	3901	\$13,527
497	Physical Security		12/21/2022	3557	094	010563	Pittsburg SC Front Glass Door & Frame - Remove existing front entrance glass framing and doors and replace with new framing, glass and door. The door will consist of a closer, continuous hinge, electric latch and door sweep.	3901	\$14,471

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
498	Physical Security		1/13/2023	3557	094	010516	Topeka Fleet Automate Gates - Install 2 new gates, operators & associated configuration of fencing to make the entrance/exit on the East side of the mechanic shop & the Northwest side of the pipeyard have automatic drive operation versus the manual method in place now. This assists in ending the continuous risk of Operations groups leaving these gates open leaving property and employees vulnerable.	3901	\$255,278
499	Physical Security		6/23/2023	3000	100	010014	KGS PHYSICAL SECURITY UPGRADES 2021 - Upgrades to the existing intrusion systems, surveillance, intercoms, access control, and deterrents. This upgrade will help to bring several sites to current standards including: Salina, Great Bend, Parsons, Overland Park area, Minneola. The latest DFARS and TSA SD2 requirements will increase the need for security to these sites.	3901	\$297,444
	Physical Security Total								\$728,614
500	Pipeline System Components	K.S.A. 66-2202	8/2/2022	3541	053	010354	Retire 220 ft 16-inch CS 145 psig main, (4) 10-inch gate valves, and DRS 3101-0191. SE 21ST AND CEDARWOOD DR - NORTH OF I-70/KANSAS TURNPIKE, Topeka, KS. Install 350 ft CS 16-inch 145 psig main and 12-inch Isolation Valve. This work is being completed for OGS Emergency Valve planning and will also be resolving a class 3 leak on the main.	3765	\$275,834
501	Pipeline System Components	K.S.A. 66-2202	8/2/2022	3541	053	010354	Retire 220 ft 16-inch CS 145 psig main, (4) 10-inch gate valves, and DRS 3101-0191. SE 21ST AND CEDARWOOD DR - NORTH OF I-70/KANSAS TURNPIKE, Topeka, KS. Install 350 ft CS 16-inch 145 psig main and 12-inch Isolation Valve. This work is being completed for OGS Emergency Valve planning and will also be resolving a class 3 leak on the main.	3780	\$2,116
502	Pipeline System Components	K.S.A. 66-2202	8/2/2022	3541	053	010354	Retire 220 ft 16-inch CS 145 psig main, (4) 10-inch gate valves, and DRS 3101-0191. SE 21ST AND CEDARWOOD DR - NORTH OF I-70/KANSAS TURNPIKE, Topeka, KS. Install 350 ft CS 16-inch 145 psig main and 12-inch Isolation Valve. This work is being completed for OGS Emergency Valve planning and will also be resolving a class 3 leak on the main.	3800	\$59,801
503	Pipeline System Components	K.S.A. 66-2202	8/2/2022	3541	053	010401	Retire (4) 3" Fisher 399 Regulators. NW Rochester and Sanford, Topeka KS. Install: (4) 4" FG 40 Mooney Regulators. The existing regulators are obsolete and inadequate. A valve is also being replaced due to it being inoperable.	3790	\$110,377
504	Pipeline System Components	K.S.A. 66-2202	9/19/2022	3541	053	010398	Install odorizer & necessary related equipment. N 1800th Rd & E 600th Rd, Topeka Metro Area, KS. This odorizer is being installed due to odorizer equipment failure by SSC & Black Hills Energy.	3780	\$29,824
505	Pipeline System Components	K.S.A. 66-2202	9/19/2022	3541	053	010398	Install odorizer & necessary related equipment. N 1800th Rd & E 600th Rd, Topeka Metro Area, KS. This odorizer is being installed due to odorizer equipment failure by SSC & Black Hills Energy.	3790	\$668,101
506	Pipeline System Components	K.S.A. 66-2202	9/19/2022	3721	053	011442	SCADA Upgrades - E 21st St N & New York Ave- Reg Setting, Wichita - Retire existing pressure monitoring equipment due to obsolescence. Install new measurement and SCADA equipment.	3790	\$14,094
507	Pipeline System Components	K.S.A. 66-2202	9/19/2022	3721	053	011442	SCADA Upgrades - E 21st St N & New York Ave- Reg Setting, Wichita - Retire existing pressure monitoring equipment due to obsolescence. Install new measurement and SCADA equipment.	3970	\$36,925
508	Pipeline System Components	K.S.A. 66-2202	9/19/2022	3721	053	011444	SCADA & Odorizer Upgrades - N 119th St W and W 45th St N- Northwest TBS, Wichita - Retire existing pressure monitoring equipment and odorizer due to obsolescence. Install new measurement, SCADA, and odorizer equipment.	3790	\$7,968
509	Pipeline System Components	K.S.A. 66-2202	9/19/2022	3721	053	011444	SCADA & Odorizer Upgrades - N 119th St W and W 45th St N- Northwest TBS, Wichita - Retire existing pressure monitoring equipment and odorizer due to obsolescence. Install new measurement, SCADA, and odorizer equipment.	3970	\$55,565
510	Pipeline System Components	K.S.A. 66-2202	10/25/2022	3621	053	010151	Obsolete Analog Chart Replacements & SCADA Installations - Great Bend Service Area - Retire 10 separate analog pressure charts due to obsolescence and install 10 new SCADA points.	3970	\$57,733
511	Pipeline System Components	K.S.A. 66-2202	10/25/2022	3541	053	010399	Install odorizer & necessary related equipment. N 1700th Rd & Woodring Rd, Topeka Metro Area, KS. This odorizer is being installed due to odorizer equipment failure by SSC & Black Hills Energy.	3790	\$739,802
512	Pipeline System Components	K.S.A. 66-2202	10/25/2022	3541	053	010399	Install odorizer & necessary related equipment. N 1700th Rd & Woodring Rd, Topeka Metro Area, KS. This odorizer is being installed due to odorizer equipment failure by SSC & Black Hills Energy.	3970	\$6,510
513	Pipeline System Components	K.S.A. 66-2202	10/25/2022	3522	053	011482	Overland Park Operating Area SCADA Upgrades - KGS Overland Park will be upgrading SCADA equipment at 8 separate locations. The following will be included in the upgrades:- 24VDC power system with battery backup, power monitoring, and generator hook-up.- Grounding and surge protection- Check Measurement- Pressure control upgrades.	3970	\$215,647
514	Pipeline System Components	K.S.A. 66-2202	10/25/2022	3522	054	011633	204 S Delaware St, Tonganoxie, KS - Replace DRS# 2105-0005 with new DRS. Retire existing regulator station. This work is being completed to eliminate the leaking regulator station.	3765	\$2,374
515	Pipeline System Components	K.S.A. 66-2202	10/25/2022	3522	054	011633	204 S Delaware St, Tonganoxie, KS - Replace DRS# 2105-0005 with new DRS. Retire existing regulator station. This work is being completed to eliminate the leaking regulator station.	3780	\$29,979
516	Pipeline System Components	K.S.A. 66-2202	11/28/2022	3651	054	010160	Location: Claflin and Seth Child Rd (Near 3000 Claflin Rd) - Manhattan, KS - Install: 8' of 2" CS Main. Retire: 4" ST Plug Valve; 8' of 2" CS Main. Details: Remove a grade 2 leaking valve. This valve is a 4" steel plug valve, where we will replace 8' of 2" CS Main to remove it. While being inspected, this valve was found to be leaking and grease could not stop the leak.	3765	\$11,697
517	Pipeline System Components	K.S.A. 66-2202	11/28/2022	3651	054	010160	Location: Claflin and Seth Child Rd (Near 3000 Claflin Rd) - Manhattan, KS - Install: 8' of 2" CS Main. Retire: 4" ST Plug Valve; 8' of 2" CS Main. Details: Remove a grade 2 leaking valve. This valve is a 4" steel plug valve, where we will replace 8' of 2" CS Main to remove it. While being inspected, this valve was found to be leaking and grease could not stop the leak.	3769	\$4,733
518	Pipeline System Components	K.S.A. 66-2202	11/28/2022	3522	054	011643	81st and Parallel - DRS-0106 - Valve Replacement. To Install: Two 3" Ball Valves. To Retire: Two 3" plug valves This work order is to replace he inlet and outlet riser valves on DRS 0106 at 81st and Parallel in KCK. The plug valves are frozen and need to be replaced so they operate properly.	3780	\$15,150
519	Pipeline System Components	K.S.A. 66-2202	11/28/2022	3522	054	011655	6917 Nall Ave, Prairie Village, KS - Relocate and Rebuild DRS 2206-0809. Relocate and rebuild DRS# 2206-0809 to permanently repair multiple leaks on the existing setting. Retire the existing regulator station and replace with new relocated station. This is a critical feed DRS for the 6 psi system.	3760	\$5,947
520	Pipeline System Components	K.S.A. 66-2202	11/28/2022	3522	054	011655	6917 Nall Ave, Prairie Village, KS - Relocate and Rebuild DRS 2206-0809. Relocate and rebuild DRS# 2206-0809 to permanently repair multiple leaks on the existing setting. Retire the existing regulator station and replace with new relocated station. This is a critical feed DRS for the 6 psi system.	3765	\$1,256
521	Pipeline System Components	K.S.A. 66-2202	11/28/2022	3522	054	011655	6917 Nall Ave, Prairie Village, KS - Relocate and Rebuild DRS 2206-0809. Relocate and rebuild DRS# 2206-0809 to permanently repair multiple leaks on the existing setting. Retire the existing regulator station and replace with new relocated station. This is a critical feed DRS for the 6 psi system.	3780	\$121,391
522	Pipeline System Components	K.S.A. 66-2202	11/28/2022	3522	053	011697	Retire 2" 441-575 regulator. 89th St & Lackman Rd, Lenexa, KS. Install 2" 441-575 regulator. The regulator at the District Regulator Station is failing and not working properly and requires a permanent repair.	3780	\$6,768
523	Pipeline System Components	K.S.A. 66-2202	1/27/2023	3721	054	012718	DRS Replacement - 118 S Cranmer, Conway Springs - Retire two obsolete 2" Fisher S201 regulators, DRS components, 40' of 3" RPBS and 40' of 2" RPCS main due to leak on inlet leg of DRS. Install two 2" Fisher 133L regulators, DRS components and 80' of 2" RPCS main.	3765	\$26,078
524	Pipeline System Components	K.S.A. 66-2202	1/27/2023	3721	054	012718	DRS Replacement - 118 S Cranmer, Conway Springs - Retire two obsolete 2" Fisher S201 regulators, DRS components, 40' of 3" RPBS and 40' of 2" RPCS main due to leak on inlet leg of DRS. Install two 2" Fisher 133L regulators, DRS components and 80' of 2" RPCS main.	3780	\$54,201
525	Pipeline System Components	K.S.A. 66-2202	1/27/2023	3721	054	012718	DRS Replacement - 118 S Cranmer, Conway Springs - Retire two obsolete 2" Fisher S201 regulators, DRS components, 40' of 3" RPBS and 40' of 2" RPCS main due to leak on inlet leg of DRS. Install two 2" Fisher 133L regulators, DRS components and 80' of 2" RPCS main.	3800	\$6,016

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
526	Pipeline System Components	K.S.A. 66-2202	1/27/2023	3721	054	012726	Main Replacement - Indianapolis & Ida, Wichita - Retire 20' of 12" RPCS main. Install 20' of 12" RPCS main and a 12" steel valve to replace the existing seized 12" steel valve upstream of this location.	3765	\$54,814
527	Pipeline System Components	K.S.A. 66-2202	1/27/2023	3721	054	012763	Valve Replacement - Bitting & Shadyway, Wichita - Retire 4" underground steel valve unable to be unbolted and repaired. Install new 4" steel welded gate valve.	3780	\$7,672
528	Pipeline System Components	K.S.A. 66-2202	2/1/2023	3622	054	010335	Valve Replacement - 717 Ridgeway, Pratt - Retire existing inoperable 2" steel plug valve. Install new 2" steel gate valve. An essential valve was found to be very difficult to operate and needs to be replaced.	3765	\$8,554
529	Pipeline System Components	K.S.A. 66-2202	3/28/2023	3685	043	010126	TBS Replacement - Kingman TBS - Retire existing TBS and downstream piping due to electric issues causing shorts in the upstream cathodic protection system. Station has outdated materials and unnecessary equipment. Install new TBS, materials, and downstream piping.	3690	\$240,738
530	Pipeline System Components	K.S.A. 66-2202	3/28/2023	3685	043	010126	TBS Replacement - Kingman TBS - Retire existing TBS and downstream piping due to electric issues causing shorts in the upstream cathodic protection system. Station has outdated materials and unnecessary equipment. Install new TBS, materials, and downstream piping.	3760	\$285,286
531	Pipeline System Components	K.S.A. 66-2202	3/28/2023	3685	043	010126	TBS Replacement - Kingman TBS - Retire existing TBS and downstream piping due to electric issues causing shorts in the upstream cathodic protection system. Station has outdated materials and unnecessary equipment. Install new TBS, materials, and downstream piping.	3800	\$81
532	Pipeline System Components	K.S.A. 66-2202	4/4/2023	3721	054	012719	Valve Bridle Replacement - 21st & Meridian, Wichita - Retire two 6" valves and one 8" valve due to valves being seized. Install two 6" valves and one 8" valve.	3765	\$53,648
533	Pipeline System Components	K.S.A. 66-2202	4/4/2023	3721	054	012719	Valve Bridle Replacement - 21st & Meridian, Wichita - Retire two 6" valves and one 8" valve due to valves being seized. Install two 6" valves and one 8" valve.	3780	\$24,690
534	Pipeline System Components	K.S.A. 66-2202	4/25/2023	3685	043	010140	Odorizer Replacements - Pratt & Cullison TBS - Retire two oversized odorizers inadequate for summer low-flow conditions. Install two new odorizers to meet company construction standards and provide continuous operation.	3690	\$16,553
535	Pipeline System Components	K.S.A. 66-2202	4/25/2023	3685	043	010140	Odorizer Replacements - Pratt & Cullison TBS - Retire two oversized odorizers inadequate for summer low-flow conditions. Install two new odorizers to meet company construction standards and provide continuous operation.	3970	\$4,951
536	Pipeline System Components	K.S.A. 66-2202	4/25/2023	3685	044	010160	TBS Replacement - Gorham TBS - Retire Gorham TBS with antiquated materials. Install new TBS with updated materials and components.	3652	\$410
537	Pipeline System Components	K.S.A. 66-2202	4/25/2023	3685	044	010160	TBS Replacement - Gorham TBS - Retire Gorham TBS with antiquated materials. Install new TBS with updated materials and components.	3690	\$194,457
538	Pipeline System Components	K.S.A. 66-2202	4/25/2023	3685	044	010160	TBS Replacement - Gorham TBS - Retire Gorham TBS with antiquated materials. Install new TBS with updated materials and components.	3765	\$10,589
539	Pipeline System Components	K.S.A. 66-2202	4/25/2023	3651	054	010166	N 8th St and Bertrand St (Alley North of Bertrand) - Manhattan, KS - Install: 6" Weld End Valve; 4' of 6" CS. Retire: 6" ST Gate Valve; 4' of 6" CS. Details: To remove a grade 2 leaking valve. This valve is a 6" steel gate valve but will be replaced with a 6" Weld End valve. While inspections were being done in this area, it was found that this flanged valve had a grade 2 leak. Leak Ticket: LK2022-10244305	3765	\$19,993
540	Pipeline System Components	K.S.A. 66-2202	4/25/2023	3612	044	010374	Valve Replacement - Clifton - Retire buried 8" bridle setting due to leak. Install 60' of 8" and 15' of 10" CS transmission pipe.	3670	\$85,767
541	Pipeline System Components	K.S.A. 66-2202	4/25/2023	3721	054	012757	BS Main Replacement & DRS Removal - 216 S Muse, Newton - Remove DRS 2803-MR-0001 and retire 120' of 3" RPBS due to a leak on the control line tap on the DRS. Install 120' of 2" PE. This will be a permanent repair on a class 3 leak. LK2020-10169709	3760	\$6,761
542	Pipeline System Components	K.S.A. 66-2202	4/25/2023	3721	054	012757	BS Main Replacement & DRS Removal - 216 S Muse, Newton - Remove DRS 2803-MR-0001 and retire 120' of 3" RPBS due to a leak on the control line tap on the DRS. Install 120' of 2" PE. This will be a permanent repair on a class 3 leak. LK2020-10169709	3800	\$8,809
543	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3541	054	010752	Install 5M and AC250 meter setting. Retire old setting. 3500 SW Topeka Blvd, Topeka KS. This project is to replace the leaking meter set for mainline printing.	3810	\$2,612
544	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3541	054	010752	Install 5M and AC250 meter setting. Retire old setting. 3500 SW Topeka Blvd, Topeka KS. This project is to replace the leaking meter set for mainline printing.	3820	\$744
545	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3541	054	010752	Install 5M and AC250 meter setting. Retire old setting. 3500 SW Topeka Blvd, Topeka KS. This project is to replace the leaking meter set for mainline printing.	3830	\$480
546	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3721	053	011574	SCADA Upgrades - 6th & Ash, Newton - Retire antiquated SCADA equipment and install new SCADA equipment at the Newton TBS.	3970	\$52,616
547	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3721	053	011576	SCADA Upgrades - Andover Rd & Willow, Andover TBS - Retire obsolete SCADA equipment and install new SCADA equipment.	3970	\$53,201
548	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3721	053	011577	SCADA Upgrades - 77th & Greenwood, Valley Center TBS - Retire obsolete SCADA equipment and install new SCADA equipment.	3790	\$7,265
549	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3721	053	011577	SCADA Upgrades - 77th & Greenwood, Valley Center TBS - Retire obsolete SCADA equipment and install new SCADA equipment.	3970	\$35,435
550	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3721	053	011578	SCADA Upgrades - Boston & Webb TBS, Webb TBS - Retire obsolete SCADA equipment and install new SCADA equipment.	3790	\$10,927
551	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3721	053	011578	SCADA Upgrades - Boston & Webb TBS, Webb TBS - Retire obsolete SCADA equipment and install new SCADA equipment.	3970	\$41,791
552	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3721	053	011584	SCADA Upgrades - Wichita Metro Area - Retire obsolete SCADA equipment and install new SCADA equipment for 23 sites across the Wichita Metro Area.	3970	\$228,024
553	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3721	053	011612	Pressure Chart Upgrades - KGS Outside Areas - Retire obsolete pressure chart equipment and install new SCADA equipment at 56 sites across the the KGS Outside Area locations.	3780	\$377,911
554	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3522	054	011680	41st and Adams - DRS 0405 - Relocation. To Install: 4" DRS 3" 441-57S Regulator with 2-1/8" orifice, red spring set to 13 psig (Operator) 3" 441-57S Regulator with 2-1/8" orifice, red spring set to 18 psig (Monitor) 1" 289H Relief set to 17 psig 60' 4" CS Main. To Retire: DRS # 0405 75' 4" CS Main. This work is being done to relocate DRS#0405 at 41st and Adams. The existing station is in a pit and the station piping has leaks. The new station will be constructed across the street in an easement on KU Med's property.	3765	\$15,636
555	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3522	054	011680	41st and Adams - DRS 0405 - Relocation. To Install: 4" DRS 3" 441-57S Regulator with 2-1/8" orifice, red spring set to 13 psig (Operator) 3" 441-57S Regulator with 2-1/8" orifice, red spring set to 18 psig (Monitor) 1" 289H Relief set to 17 psig 60' 4" CS Main. To Retire: DRS # 0405 75' 4" CS Main. This work is being done to relocate DRS#0405 at 41st and Adams. The existing station is in a pit and the station piping has leaks. The new station will be constructed across the street in an easement on KU Med's property.	3780	\$143,811
556	Pipeline System Components	K.S.A. 66-2202	5/2/2023	3522	053	011765	Install (2) 2" 441-57S regulators. Retire (2) 2" 441-57S regulators. 67th St & Santa Fe Dr, Overland Park KS. At DRS 2206-0214 the two regulators are failing and not working properly, requiring replacement.	3780	\$13,062
557	Pipeline System Components	K.S.A. 66-2202	5/17/2023	3831	053	010109	SCADA Installations - Parsons, KS - Retire obsolete pressure monitoring equipment. Install new SCADA equipment for remote pressure monitoring at 3 sites in Parsons.	3970	\$26,515
558	Pipeline System Components	K.S.A. 66-2202	5/17/2023	3685	044	010158	Industrial Setting Replacement - Mapco-Ashland Industrial Setting - Retire exiting setting due to regulator lock-up issues, grease in meter, and obsolete setting design. Install new operator-monitor setting with a warning relief that meets company design standards.	3670	\$8,569
559	Pipeline System Components	K.S.A. 66-2202	5/17/2023	3685	044	010158	Industrial Setting Replacement - Mapco-Ashland Industrial Setting - Retire exiting setting due to regulator lock-up issues, grease in meter, and obsolete setting design that puts Ashland at risk of outage if relief is triggered. Install new operator-monitor setting with a warning relief that meets company design standards.	3690	\$110,159

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
560	Pipeline System Components	K.S.A. 66-2202	5/17/2023	3651	054	010167	510 S Manhattan Ave - To Install: 4" ST Weld-Gate Valve. To Retire: Inoperable 4" ST Weld-Gate Valve. This project is to replace an existing 4" ST valve with a broken stem. The valve is currently inoperable. A new 4" ST weld-gate valve will be chunked in as a replacement.	3765	\$17,497
561	Pipeline System Components	K.S.A. 66-2202	5/17/2023	3761	053	010235	Industrial Setting Replacement - Mapco-Ashland Industrial Setting - Retire exiting setting due to regulator lock-up issues, grease in meter, and obsolete setting design that puts Ashland at risk of outage if relief is triggered. Install new operator-monitor setting with a warning relief that meets company design standards.	3780	\$22,045
562	Pipeline System Components	K.S.A. 66-2202	5/17/2023	3761	053	010235	SCADA Installations - Pittsburg, KS - Retire obsolete pressure monitoring equipment. Install new SCADA equipment for remote pressure monitoring at 3 sites in Pittsburg.	3970	\$4,497
563	Pipeline System Components	K.S.A. 66-2202	5/17/2023	3612	044	010391	Valve Replacement - Lehigh TBS - Retire obsolete and frozen 2" inlet riser valve. Install new 2" inlet riser plug valve.	3690	\$3,654
564	Pipeline System Components	K.S.A. 66-2202	5/17/2023	3522	054	011649	Install 40' 2" PE. Retire 50' 2" PE 55' 2" CS. 5503 W 165th, Overland Park KS. This work is to remove the above ground hairpin that contains a pressure chart. Hairpin is leaking and needs to be retired so all main is below ground.	3760	\$11,110
565	Pipeline System Components	K.S.A. 66-2202	5/17/2023	3522	054	011660	Retire 58' 2" CS main. 48th & Roe Ln, Roeland Park, KS. Install 60' 2" PE main. The DRS has an active Grade 3 leak. Proceed with retiring the DRS and installing a short section of 2" PE to convert the system to 45 psig.	3760	\$27,220
566	Pipeline System Components	K.S.A. 66-2202	5/17/2023	3522	054	011660	Retire 58' 2" CS main. 48th & Roe Ln, Roeland Park, KS. Install 60' 2" PE main. The DRS has an active Grade 3 leak. Proceed with retiring the DRS and installing a short section of 2" PE to convert the system to 45 psig.	3769	\$3,025
567	Pipeline System Components	K.S.A. 66-2202	5/17/2023	3721	054	012683	DRS Retirement - 17th & Woodlawn, Wichita - Retire DRS due to above ground flange leak below the inlet riser valve. Install 625' of a 4" PE jumper to allow two pressure systems to absorb one another after existing DRS is retired.	3760	\$60,868
568	Pipeline System Components	K.S.A. 66-2202	5/17/2023	3721	054	012683	DRS Retirement - 17th & Woodlawn, Wichita - Retire DRS due to above ground flange leak below the inlet riser valve. Install 625' of a 4" PE jumper to allow two pressure systems to absorb one another after existing DRS is retired.	3769	\$1,672
569	Pipeline System Components	K.S.A. 66-2202	5/17/2023	3721	054	012683	DRS Retirement - 17th & Woodlawn, Wichita - Retire DRS due to above ground flange leak below the inlet riser valve. Install 625' of a 4" PE jumper to allow two pressure systems to absorb one another after existing DRS is retired.	3800	\$5,118
570	Pipeline System Components	K.S.A. 66-2202	5/19/2023	3671	047	010035	Piston & Cylinder Replacement - Calista Compressor Station - Replace the piston, cylinder, and head gasket due to catastrophic failure ruining internal components. Install new power cylinder for compressor engine.	3680	\$58,801
571	Pipeline System Components	K.S.A. 66-2202	5/19/2023	3612	044	010378	TBS Relocation & Replacement - Hanover TBS - Retire Hanover TBS due to antiquated components and materials. Relocate TBS site and install new TBS that meets current design standards.	3652	\$62,442
572	Pipeline System Components	K.S.A. 66-2202	5/19/2023	3612	044	010378	TBS Relocation & Replacement - Hanover TBS - Retire Hanover TBS due to antiquated components and materials. Relocate TBS site and install new TBS that meets current design standards.	3662	\$96,714
573	Pipeline System Components	K.S.A. 66-2202	5/19/2023	3612	044	010378	TBS Relocation & Replacement - Hanover TBS - Retire Hanover TBS due to antiquated components and materials. Relocate TBS site and install new TBS that meets current design standards.	3690	\$254,909
574	Pipeline System Components	K.S.A. 66-2202	5/19/2023	3612	044	010378	TBS Relocation & Replacement - Hanover TBS - Retire Hanover TBS due to antiquated components and materials. Relocate TBS site and install new TBS that meets current design standards.	3970	\$3,304
575	Pipeline System Components	K.S.A. 66-2202	6/2/2023	3641	054	010416	Valve Replacement - Crawford & Marymount, Salina - Isolate and rebuild innards of a leaking 6" steel gate valve.	3769	\$7,643
576	Pipeline System Components	K.S.A. 66-2202	6/20/2023	3621	053	010165	Pressure Chart Replacement & SCADA Installation - Great Bend Service Area - Retire 8 analog pressure charts due to obsolescence. Install 8 new SCADA points to allow for remote monitoring.	3780	\$765
577	Pipeline System Components	K.S.A. 66-2202	6/20/2023	3621	053	010165	Pressure Chart Replacement & SCADA Installation - Great Bend Service Area - Retire 8 analog pressure charts due to obsolescence. Install 8 new SCADA points to allow for remote monitoring.	3970	\$1,777
578	Pipeline System Components	K.S.A. 66-2202	7/5/2023	3612	044	010383	TBS Replacement - Linn TBS T0062 - Replace and relocate Linn TBS T0062 due to antiquated design and to remove multiple components encased in concrete. Install new TBS and components associated with station. Worked in conjunction with the replacement of feeder Line P0295.	3690	\$275,899
579	Pipeline System Components	K.S.A. 66-2202	7/5/2023	3721	054	012864	Regulator Replacement - 6750 S Broadway, Wichita - Retire existing 2" Itron B34_IMRV regulator due to leak. Install 1.25" American 1813C regulator	3820	\$99
580	Pipeline System Components	K.S.A. 66-2202	7/5/2023	3721	054	012864	Regulator Replacement - 6750 S Broadway, Wichita - Retire existing 2" Itron B34_IMRV regulator due to leak. Install 1.25" American 1813C regulator	3830	\$5
	Pipeline System Components Total								\$5,637,484
581	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	8/2/2022	3721	054	012623	Meter & Regulator Replacement -2821 E. 24th St, Wichita - Retire Roots 7M meter and existing regulator. Worked in conjunction with the BS service line replacement and 2022 AWP at 24th & Estelle. Install Roots 5M meter and 2" American 1813B regulator.	3820	\$1,305
582	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	8/2/2022	3721	054	012623	Meter & Regulator Replacement -2821 E. 24th St, Wichita - Retire Roots 7M meter and existing regulator. Worked in conjunction with the BS service line replacement and 2022 AWP at 24th & Estelle. Install Roots 5M meter and 2" American 1813B regulator.	3830	\$573
583	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	8/25/2022	3522	053	011764	Retire (2) 2" regulators on the meter set due to leakage and obselecence. 5400 Mission Dr, Mission Hills, KS. Install new 2" regulator.	3765	\$1,017
584	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	8/25/2022	3522	053	011764	Retire (2) 2" regulators on the meter set due to leakage and obselecence. 5400 Mission Dr, Mission Hills, KS. Install new 2" regulator.	3820	\$522
585	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	8/25/2022	3522	053	011764	Retire (2) 2" regulators on the meter set due to leakage and obselecence. 5400 Mission Dr, Mission Hills, KS. Install new 2" regulator.	3830	\$2,342
586	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/2/2022	3741	054	010491	Meter & Regulator Replacement - 2440 N Summit, Ark City - Retire Roots 3M meter and obsolete 2" regulator. Install Roots 2M meter and 1.25" American 1813-HC regulator. Worked in conjunction with the BS service line renewal and the same address.	3820	\$826
587	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/2/2022	3741	054	010491	Meter & Regulator Replacement - 2440 N Summit, Ark City - Retire Roots 3M meter and obsolete 2" regulator. Install Roots 2M meter and 1.25" American 1813-HC regulator. Worked in conjunction with the BS service line renewal and the same address.	3830	\$97
588	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/2/2022	3721	053	011457	Meter Replacement - 3300 S Hydraulic, Wichita - Retire obsolete 4" Datus Fluid Oscillating Meter due to obsolescence. Install parallel 4" Flowisc 500 meters.	3810	\$36,145
589	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/2/2022	3721	053	011457	Meter Replacement - 3300 S Hydraulic, Wichita - Retire obsolete 4" Datus Fluid Oscillating Meter due to obsolescence. Install parallel 4" Flowisc 500 meters.	3820	\$2,449
590	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/2/2022	3721	054	012573	Meter and Regulator Replacement - 1605 W May, Wichita - Retire existing Roots 3M meter and obsolete regulator due to leak on setting and cracked regulator casing. Install Roots 2M meter and 1.25" American 1813_HC regulator.	3805	\$444
591	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/2/2022	3721	054	012573	Meter and Regulator Replacement - 1605 W May, Wichita - Retire existing Roots 3M meter and obsolete regulator due to leak on setting and cracked regulator casing. Install Roots 2M meter and 1.25" American 1813_HC regulator.	3820	\$978
592	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/2/2022	3721	054	012573	Meter and Regulator Replacement - 1605 W May, Wichita - Retire existing Roots 3M meter and obsolete regulator due to leak on setting and cracked regulator casing. Install Roots 2M meter and 1.25" American 1813_HC regulator.	3830	\$108
593	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/2/2022	3721	054	012706	Regulator Replacement - 900 S Meridian, Newton - Retire obsolete 2" flanged regulator due to internal failure. Install 2" Fisher CS820IG regulator.	3820	\$438

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
594	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/2/2022	3721	054	012706	Regulator Replacement - 900 S Meridian, Newton - Retire obsolete 2" flanged regulator due to internal failure. Install 2" Fisher CS820IG regulator.	3830	\$1,669
595	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/2/2022	3721	054	012714	Obsolete Regulator Replacement - 9350 E 35th St N, Wichita - Retire obsolete 2" Fisher S203 regulator due to failure from internal components. Install 2" Itron B34IMRV regulator.	3820	\$602
596	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/2/2022	3721	054	012714	Obsolete Regulator Replacement - 9350 E 35th St N, Wichita - Retire obsolete 2" Fisher S203 regulator due to failure from internal components. Install 2" Itron B34IMRV regulator.	3830	\$501
597	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/19/2022	3685	044	010154	TBS Replacement - Macksville TBS - Retire 2" TBS components due to outdated regulator and meter models, an older heater line, and risers encased in concreated. Install two 2" Fisher 627M regulators, a 3" Flowisic500 meter, and components necessary to complete TBS installation	3662	\$26,091
598	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/19/2022	3685	044	010154	TBS Replacement - Macksville TBS - Retire 2" TBS components due to outdated regulator and meter models, an older heater line, and risers encased in concreated. Install two 2" Fisher 627M regulators, a 3" Flowisic500 meter, and components necessary to complete TBS installation	3690	\$230,892
599	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/19/2022	3721	053	011630	Obsolete Meter & Regulator Replacement - 309 E Douglas, Wichita - Retire obsolete 2" regulator & Roots 3M meter located inside the building. Install 1.25" American 1813HC regulator and Roots 2M meter. Project worked in conjunction with the CS service line renewal at the same address.	3805	\$428
600	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/19/2022	3721	053	011630	Obsolete Meter & Regulator Replacement - 309 E Douglas, Wichita - Retire obsolete 2" regulator & Roots 3M meter located inside the building. Install 1.25" American 1813HC regulator and Roots 2M meter. Project worked in conjunction with the CS service line renewal at the same address.	3820	\$975
601	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/19/2022	3721	053	011630	Obsolete Meter & Regulator Replacement - 309 E Douglas, Wichita - Retire obsolete 2" regulator & Roots 3M meter located inside the building. Install 1.25" American 1813HC regulator and Roots 2M meter. Project worked in conjunction with the CS service line renewal at the same address.	3830	\$133
602	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/19/2022	3721	054	012716	Obsolete Regulator Replacement - 900 S Meridian, Newton - Retire existing 2" Sprague regulator due to lock up from obsolete internal components. Install 2" Itron CL34_1 regulator.	3820	\$399
603	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/19/2022	3721	054	012716	Obsolete Regulator Replacement - 900 S Meridian, Newton - Retire existing 2" Sprague regulator due to lock up from obsolete internal components. Install 2" Itron CL34_1 regulator.	3830	\$550
604	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/20/2022	3761	053	010229	Meter & Regulator Replacement - 600 E 8th, Galena - Retire existing Roots 5M meter & regulator setting due to system pressure increase on the 2022 AWP at 8th and Cornwall.	3820	\$705
605	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/20/2022	3761	053	010229	Meter & Regulator Replacement - 600 E 8th, Galena - Retire existing Roots 5M meter & regulator setting due to system pressure increase on the 2022 AWP at 8th and Cornwall.	3830	\$2,327
606	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/20/2022	3721	053	011531	Regulator Replacement - 1951 N Ohio Ave, Wichita - Retire vintage 2" regulator due to pressure increase on the 2022 AWP at 18th & Mosley. Install 2" American 1813B regulator. As part of the 2022 AWP, the 18 psig main feeding this meter setting is being replaced with 48 psig main; therefore, this setting's regulator needs to be replaced to accommodate the increased pressure.	3820	\$879
607	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/25/2022	3642	053	010133	Regulator Replacement - 10th & Mill, Minneapolis - Retire antiquated 2" Chaplin Fulton 441-57 due to obsolescence and the inability to order new parts. Install 2" Sensus 441-57S regulator.	3780	\$5,814
608	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/25/2022	3651	054	010153	2025 Little Kitten Ave, Manhattan, KS - To Install: 7M Meter and Itron CL34-2. To Retire: 11M meter and Reg Meter Replacement project: This project is a meter replacement project due to an above ground leak found on the meter that requires a replacement. The regulator will be replaced and the pipe for the relief valve will be extended to get out from under the awning.	3820	\$2,034
609	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/25/2022	3651	054	010153	2025 Little Kitten Ave, Manhattan, KS - To Install: 7M Meter and Itron CL34-2. To Retire: 11M meter and Reg Meter Replacement project: This project is a meter replacement project due to an above ground leak found on the meter that requires a replacement. The regulator will be replaced and the pipe for the relief valve will be extended to get out from under the awning.	3830	\$4,116
610	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/25/2022	3641	053	010210	Regulator Replacement -Magnolia & Shalimar Rd., Salina - Retire obsolete Rockwell 243RCP-8 unable to lock up. Install a 2" Itron CL34-2 regulator.	3780	\$1,719
611	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/25/2022	3642	054	010395	DRS Replacement - 6th & Oak, Cawker City - Retire existing antiquated DRS, regulators, and components due to leak on station. Install two 2" Fisher 133H regulators.	3765	\$49,480
612	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/25/2022	3642	054	010395	DRS Replacement - 6th & Oak, Cawker City - Retire existing antiquated DRS, regulators, and components due to leak on station. Install two 2" Fisher 133H regulators.	3780	\$33,815
613	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/25/2022	3642	054	010395	DRS Replacement - 6th & Oak, Cawker City - Retire existing antiquated DRS, regulators, and components due to leak on station. Install two 2" Fisher 133H regulators.	3800	\$1,885
614	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/25/2022	3641	054	010413	Meter Replacement - 1115 W Crawford, Salina - Retire Roots 1.5M meter and regulator due to above ground leak. Install American D-1000 meter and 1.25" American 1813-HC regulator. Worked in conjunction with the BS service line replacement at the same address.	3820	\$160
615	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/25/2022	3641	054	010413	Meter Replacement - 1115 W Crawford, Salina - Retire Roots 1.5M meter and regulator due to above ground leak. Install American D-1000 meter and 1.25" American 1813-HC regulator. Worked in conjunction with the BS service line replacement at the same address.	3830	\$32
616	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/25/2022	3721	053	011631	Meter Replacement - 2301 E Douglas, Wichita -Retire Roots 16M meter & regulators due to obsolescence. Worked in conjunction with the riser replacement at the above address. Install Roots 11M meter, 2" Fisher 133H regulator and 2" Sensus 441 regulator and 1" Fisher 289H relief.	3820	\$1,359
617	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/25/2022	3721	053	011631	Meter Replacement - 2301 E Douglas, Wichita -Retire Roots 16M meter & regulators due to obsolescence. Worked in conjunction with the riser replacement at the above address. Install Roots 11M meter, 2" Fisher 133H regulator and 2" Sensus 441 regulator and 1" Fisher 289H relief.	3830	\$4,771
618	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	11/28/2022	3641	053	010152	Meter Replacement - 300 NW 7th, Abilene - Retire obsolete Roots 5M due to building conversion and load reduction. Install American AC-630 meter and 1.25" Fisher CS400 regulator. Will be replacing rotary with a AC-630 and install a 1.25" Fisher CS400 Regulator with an outlet pressure of 2 lbs.	3820	\$262
619	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	11/28/2022	3641	053	010152	Meter Replacement - 300 NW 7th, Abilene - Retire obsolete Roots 5M due to building conversion and load reduction. Install American AC-630 meter and 1.25" Fisher CS400 regulator. Will be replacing rotary with a AC-630 and install a 1.25" Fisher CS400 Regulator with an outlet pressure of 2 lbs.	3830	\$514
620	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	11/28/2022	3721	053	011650	Meter & Regulator Replacement - 3006 W Saint Louis, Wichita - Retire obsolete 2" slam shut regulator and 2" American 1813B regulator.The customer at 3006 W Saint Louis has a 2" obsolete slam shut regulator with a 3M Roots meter. KGS will replace the antiquated meter setting and regulator.	3820	\$688
621	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	11/28/2022	3721	053	011650	Meter & Regulator Replacement - 3006 W Saint Louis, Wichita - Retire obsolete 2" slam shut regulator and 2" American 1813B regulator.The customer at 3006 W Saint Louis has a 2" obsolete slam shut regulator with a 3M Roots meter. KGS will replace the antiquated meter setting and regulator.	3830	\$546
622	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	12/1/2022	3721	054	012750	Meter & Regulator Replacement - 1435 N Spencer, Newton - Retire obsolete 2" regulator and Roots 3M meter. Install 2" American 1813B regulator and 2" Roots 3M meter. Worked in conjunction with the BS yard line replacement at the same address.	3820	\$1,171
623	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	12/1/2022	3721	054	012750	Meter & Regulator Replacement - 1435 N Spencer, Newton - Retire obsolete 2" regulator and Roots 3M meter. Install 2" American 1813B regulator and 2" Roots 3M meter. Worked in conjunction with the BS yard line replacement at the same address.	3830	\$933

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
624	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/25/2023	3685	043	010144	Meter Replacement - Calista - Retire obsolete GN868 ultrasonic meter due to the lack of purchasing availability for replacement parts. Install clamp-on Flexium ultrasonic meter.	3690	\$37,196
625	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/25/2023	3612	043	010171	Flow Computer Replacements - KGS Transmission System - Retire existing CWMicro flow computers deemed obsolete by the manufacturer across the KGS Transmission System. Install Control Wave FB3000 flow computers.	3690	\$71,081
626	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/25/2023	3612	043	010173	Regulator Replacement - Salina TBS - Retire obsolete Sensus X-57 regulator experiencing lock up and pressure differential issues. Install 3" Mooney Flowmax regulator.	3690	\$47,477
627	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/25/2023	3612	044	010386	Meter Replacement - Marion Lake TBS - Retire obsolete Flowpic ultrasonic meter no longer providing accurate measurements. Install Dresser Roots 3M meter.	3690	\$2,054
628	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/27/2023	3831	054	010322	Meter & Regulator Replacement - 128 W Oak, Moran High School - Retire existing regulator and Roots meter. Install Roots 3M meter and 2" Fisher CS800 regulator. Project is being worked in conjunction with the 2022 AWP at Oak & Pine in Moran.	3820	\$771
629	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/27/2023	3831	054	010322	Meter & Regulator Replacement - 128 W Oak, Moran High School - Retire existing regulator and Roots meter. Install Roots 3M meter and 2" Fisher CS800 regulator. Project is being worked in conjunction with the 2022 AWP at Oak & Pine in Moran.	3830	\$3,084
630	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	2/1/2023	3635	054	010229	Regulator Replacement - Baer & Prairie, McPherson - Retire obsolete 2" Fisher 99 regulator due to lock-up failure. Install 2" CL34-2 Regulator.	3780	\$1,734
631	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	2/1/2023	3642	054	010398	Meter Setting Pipe Replacement - 110 Markley, Minneapolis - Retire meter setting pipe due to leaks. Install new meter setting pipe.	3810	\$20,479
632	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	2/1/2023	3642	054	010398	Meter Setting Pipe Replacement - 110 Markley, Minneapolis - Retire meter setting pipe due to leaks. Install new meter setting pipe.	3820	\$3,978
633	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	2/1/2023	3721	054	012692	Obsolete Meter & Regulator Replacement - 5200 S Broadway, Wichita - Retire existing regulator & Roots 3M meter due to settling & corrosion concerns on the property line set. Worked in conjunction with the BS service line replacement at the same address. Install new Roots 2M meter & 2" American 1813_B regulator.	3805	\$330
634	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	2/1/2023	3721	054	012692	Obsolete Meter & Regulator Replacement - 5200 S Broadway, Wichita - Retire existing regulator & Roots 3M meter due to settling & corrosion concerns on the property line set. Worked in conjunction with the BS service line replacement at the same address. Install new Roots 2M meter & 2" American 1813_B regulator.	3820	\$736
635	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	2/1/2023	3721	054	012692	Obsolete Meter & Regulator Replacement - 5200 S Broadway, Wichita - Retire existing regulator & Roots 3M meter due to settling & corrosion concerns on the property line set. Worked in conjunction with the BS service line replacement at the same address. Install new Roots 2M meter & 2" American 1813_B regulator.	3830	\$621
636	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	2/1/2023	3721	054	012791	Meter & Regulator Replacement - 122 N Seneca, Wichita - Retire vintage Roots meter & obsolete regulator due to failure from obsolete internal components. Install American D-1000 meter and 2" American 3000 regulator.	3820	\$367
637	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	2/1/2023	3721	054	012791	Meter & Regulator Replacement - 122 N Seneca, Wichita - Retire vintage Roots meter & obsolete regulator due to failure from obsolete internal components. Install American D-1000 meter and 2" American 3000 regulator.	3830	\$643
638	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/4/2023	3721	054	012803	Regulator Replacement - 11611 E 13th, Wichita - Retire 2" obsolete slam shut regulator due to failure and unable to be reopened. Install 2" Fisher CS820IQ regulator.	3820	\$395
639	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/4/2023	3721	054	012803	Regulator Replacement - 11611 E 13th, Wichita - Retire 2" obsolete slam shut regulator due to failure and unable to be reopened. Install 2" Fisher CS820IQ regulator.	3830	\$1,257
640	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/25/2023	3612	043	010177	Meter Replacement - McPherson TBS # 1 - Retire antiquated GN868 ultrasonic meter due to lack of availability for replacement parts. Install clamp-on Flexium ultrasonic meter.	3690	\$30,607
641	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/25/2023	3521	053	010202	415 E Dundee St, Ottawa, KS. Rebuild 1.5M meter The Rockwell 750 meter set is obsolete and AL800 meters are no longer stocked so the meter set will be upgraded to a rotary meter set. Regulator: 1.25" Fisher CS400 with a 3/16" orifice and orange springset at 1 psig delivery pressure.	3820	\$839
642	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/25/2023	3521	053	010202	415 E Dundee St, Ottawa, KS. Rebuild 1.5M meter The Rockwell 750 meter set is obsolete and AL800 meters are no longer stocked so the meter set will be upgraded to a rotary meter set. Regulator: 1.25" Fisher CS400 with a 3/16" orifice and orange springset at 1 psig delivery pressure.	3830	\$1,228
643	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/25/2023	3631	054	010448	Regulator Replacement - 1600 N Lorraine, Hutchinson - Retire 2" obsolete regulator due to inadequate gas supply from internal regulation freeze off. Install 2" American 1813B regulator.	3820	\$397
644	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/25/2023	3631	054	010448	Regulator Replacement - 1600 N Lorraine, Hutchinson - Retire 2" obsolete regulator due to inadequate gas supply from internal regulation freeze off. Install 2" American 1813B regulator.	3830	\$329
645	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/2/2023	3831	053	010111	Regulator Replacement - 7th & Butler, Erie - Retire existing 2" obsolete regulators due to leaks and lock-up issues. Install two 2" Fisher 133L regulators.	3780	\$3,197
646	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/2/2023	3831	053	010112	Regulator Replacement - 315 E Main, Cherryvale - Retire existing 2" obsolete regulators due to leaks and lock-up issues. Install two 2" Fisher 133L regulators.	3780	\$6,020
647	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/2/2023	3831	053	010113	Regulator Replacement - State & Webster, Erie - Retire existing 2" obsolete regulators due to leaks and lock-up issues. Install two 2" Fisher 133L regulators.	3780	\$6,394
648	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/2/2023	3631	053	010199	Meter & Regulator Replacement - 1014 W 56th Ave, Hutchinson - Retire existing Roots 3M meter and obsolete 2" regulator no longer functioning properly. Install AC-250 meter and 1" American 1813C regulator. Worked in conjunction with the BS service line replacement at the same address.	3820	\$584
649	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/2/2023	3631	053	010199	Meter & Regulator Replacement - 1014 W 56th Ave, Hutchinson - Retire existing Roots 3M meter and obsolete 2" regulator no longer functioning properly. Install AC-250 meter and 1" American 1813C regulator. Worked in conjunction with the BS service line replacement at the same address.	3830	\$30
650	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/2/2023	3641	053	010203	Pressure Monitoring Upgrades - Salina - Retire antiquated pressure monitoring equipment and install new materials to upgrade 6 sites in Salina.	3970	\$38,806
651	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/2/2023	3522	053	011774	Upgrade SCADA equipment in the Overland Park operating area. Replace and upgrade existing SCADA equipment with surge suppression and isolation, UPS battery backup, and new flow computer. Upgrades meet requirements from TSA directives of replacing end of life equipment.	3790	\$9,707
652	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/2/2023	3522	053	011774	Upgrade SCADA equipment in the Overland Park operating area. Replace and upgrade existing SCADA equipment with surge suppression and isolation, UPS battery backup, and new flow computer. Upgrades meet requirements from TSA directives of replacing end of life equipment.	3970	\$28,196
653	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/2/2023	3522	053	011777	Upgrade SCADA equipment in the Overland Park operating area. Replace and upgrade existing SCADA equipment with surge suppression and isolation, UPS battery backup, and new flow computer. Upgrades meet requirements from TSA directives of replacing end of life equipment.	3790	\$9,304
654	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/2/2023	3522	053	011777	Upgrade SCADA equipment in the Overland Park operating area. Replace and upgrade existing SCADA equipment with surge suppression and isolation, UPS battery backup, and new flow computer. Upgrades meet requirements from TSA directives of replacing end of life equipment.	3970	\$11,720
655	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/2/2023	3522	053	011778	Upgrade SCADA equipment in the Overland Park operating area. Replace and upgrade existing SCADA equipment with surge suppression and isolation, UPS battery backup, and new flow computer. Upgrades meet requirements from TSA directives of replacing end of life equipment.	3790	\$9,175

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
656	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/2/2023	3522	053	011778	Upgrade SCADA equipment in the Overland Park operating area. Replace and upgrade existing SCADA equipment with surge suppression and isolation, UPS battery backup, and new flow computer. Upgrades meet requirements from TSA directives of replacing end of life equipment.	3970	\$8,792
657	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/12/2023	3685	043	010139	Meter Corrector Replacement - Pratt Transmission System - Retire 10 obsolete Honeywell mercury correctors due to discontinued support and replacement part unavailability. Install 10 new Eagle correctors.	3690	\$76,403
658	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/12/2023	3522	053	011878	9829 Commerce Pkwy, Lenexa, KS - Rebuild 3M meter set due to the existing regulator leaking. There is a leak on the meter set (regulator) that requires a permanent repair. Replace with a 2"1813B flanged regulator with a 3/8" orifice set at 7" w.c.	3820	\$921
659	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/12/2023	3522	053	011878	9829 Commerce Pkwy, Lenexa, KS - Rebuild 3M meter set due to the existing regulator leaking. There is a leak on the meter set (regulator) that requires a permanent repair. Replace with a 2"1813B flanged regulator with a 3/8" orifice set at 7" w.c.	3830	\$1,042
660	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3643	053	010048	Meter & Regulator Replacement - 1510 E 6th, Concordia - Retire obsolete Romet 2000 meter and 2" regulator. Install new American AC-630 meter and 1.25" American 1813-HC regulator. Worked in conjunction with the BS service line renewal at the same address.	3820	\$306
661	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3643	053	010048	Meter & Regulator Replacement - 1510 E 6th, Concordia - Retire obsolete Romet 2000 meter and 2" regulator. Install new American AC-630 meter and 1.25" American 1813-HC regulator. Worked in conjunction with the BS service line renewal at the same address.	3830	\$38
662	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3685	043	010145	Flow Computer Replacements - Multiple Sites Across Pratt Transmission System - Retire 5 CWMicro flow computers that have been issued an end-of-life notice from the manufacturer. Install 5 new Control Wave FB3000, Eagle, and EC350 flow computers.	3690	\$55,591
663	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3621	053	010158	Meter & Regulator Replacement - 2400 Washington, Great Bend - Retire obsolete Romet 3M meter in conjunction with the BS service line replacement at the same address. Install new Roots 2M meter.	3820	\$1,527
664	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3621	053	010158	Meter & Regulator Replacement - 2400 Washington, Great Bend - Retire obsolete Romet 3M meter in conjunction with the BS service line replacement at the same address. Install new Roots 2M meter.	3830	\$190
665	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3831	054	010301	DRS Retirement - 36th & Main, Parsons - Retire existing DRS with a single obsolete 2" regulator. Downstream piping will have pressure increased to a 40 PSIG pressure system, no replacement is necessary.	3760	\$7,247
666	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3831	054	010301	DRS Retirement - 36th & Main, Parsons - Retire existing DRS with a single obsolete 2" regulator. Downstream piping will have pressure increased to a 40 PSIG pressure system, no replacement is necessary.	3800	\$900
667	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3831	054	010301	DRS Retirement - 36th & Main, Parsons - Retire existing DRS with a single obsolete 2" regulator. Downstream piping will have pressure increased to a 40 PSIG pressure system, no replacement is necessary.	3820	\$606
668	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3831	054	010301	DRS Retirement - 36th & Main, Parsons - Retire existing DRS with a single obsolete 2" regulator. Downstream piping will have pressure increased to a 40 PSIG pressure system, no replacement is necessary.	3830	\$234
669	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3831	054	010319	Meter and Regulator Replacement - 128 W Oak, Moran Middle School - Retire obsolete meter and regulator in conjunction with the 2022 annual work plan project at Oak & Pine in Moran. Install new Roots 5M meter and 2" Fisher CS800 regulator.	3820	\$571
670	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3831	054	010319	Meter and Regulator Replacement - 128 W Oak, Moran Middle School - Retire obsolete meter and regulator in conjunction with the 2022 annual work plan project at Oak & Pine in Moran. Install new Roots 5M meter and 2" Fisher CS800 regulator.	3830	\$2,161
671	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3641	054	010421	Regulator Replacement - 1425 S Ohio, Salina - Retire obsolete 2" Rockwell regulator found inoperable during inspection. Install 2" American 1813B regulator.	3820	\$770
672	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3641	054	010421	Regulator Replacement - 1425 S Ohio, Salina - Retire obsolete 2" Rockwell regulator found inoperable during inspection. Install 2" American 1813B regulator.	3830	\$406
673	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3721	053	010847	Obsolete Regulator Replacement - 13th & Piatt, Wichita - Retire 3" Fisher 166 regulator due to obsolescence. Install 3" Sensus 441-S regulator and 1" Fisher 298 relief.	3780	\$8,769
674	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3522	053	011628	Regulator Replacement - 6701 Roe - DRS 2206-0506 - To Install: 2" 133H with Blue Spring To Retire: 2" 299 Regulator. This work is being done to replace the obsolete 299 regulator at DRS 2206-0506. The regulator has a torn boot and parts are not available for this regulator. The regulator will be replaced with a 2" 133H with a blue spring.	3780	\$4,667
675	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3522	053	012155	5914 Johnson Dr, Mission, KS. Replace 2" CS820IQ threaded regulator. Retire existing 2" regulator. Regulator: 2"CS820IQ with 1/4" orifice, blue spring and black disk set at 2 psi Internal relief with build-up pressure to 2.8 PSIG @ 55 psig The existing regulator is leaking and requires replacement.	3820	\$271
676	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3522	053	012155	5914 Johnson Dr, Mission, KS. Replace 2" CS820IQ threaded regulator. Retire existing 2" regulator. Regulator: 2"CS820IQ with 1/4" orifice, blue spring and black disk set at 2 psi Internal relief with build-up pressure to 2.8 PSIG @ 55 psig The existing regulator is leaking and requires replacement.	3830	\$1,130
677	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3522	053	012167	Obsolete Regulator Replacement - 11471 Metcalf Ave, Overland Park, KS - Install 2" 1813B regulator due to the existing S202 regulator being old, obsolete and not working. Replace with a 2"1813B (flanged) regulator.	3820	\$391
678	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/17/2023	3522	053	012167	Obsolete Regulator Replacement - 11471 Metcalf Ave, Overland Park, KS - Install 2" 1813B regulator due to the existing S202 regulator being old, obsolete and not working. Replace with a 2"1813B (flanged) regulator.	3830	\$424
679	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/19/2023	3641	053	010223	Meter & Regulator Replacement - 2966 Georgia, Salina - Retire obsolete Romet 3000 meter and 2" regulator due to failed differential test. Install new Roots 3M meter and 2" American 1813B regulator. Worked in conjunction with the BS service line renewal at the same address.	3805	\$2,573
680	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/19/2023	3641	053	010223	Meter & Regulator Replacement - 2966 Georgia, Salina - Retire obsolete Romet 3000 meter and 2" regulator due to failed differential test. Install new Roots 3M meter and 2" American 1813B regulator. Worked in conjunction with the BS service line renewal at the same address.	3820	\$1,209
681	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/19/2023	3641	053	010223	Meter & Regulator Replacement - 2966 Georgia, Salina - Retire obsolete Romet 3000 meter and 2" regulator due to failed differential test. Install new Roots 3M meter and 2" American 1813B regulator. Worked in conjunction with the BS service line renewal at the same address.	3830	\$1,778
682	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/19/2023	3522	053	011572	Install (2) Mooney 20L pilots for 10" WC - 40" WC range,(5) Mooney 20L pilots for 1-3 PSIG range, and(10) Mooney20 pilots with 25-90 PSIG range. Overland Park KS. This work is to replace obsolete pilots and filers on multiple district regulator settings in the Overland Park service area.	3780	\$35,653
683	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/23/2023	3621	053	010166	Obsolete Meter & Regulator Replacement - 1212 Garfield St, Great Bend - Retire vintage Roots 3M meter and obsolete 2" regulator. Install new Roots 3M Roots meter and 2" American 1813b regulator. Worked in conjunction with BS service line renewal at the same address.	3805	\$630
684	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/23/2023	3621	053	010166	Obsolete Meter & Regulator Replacement - 1212 Garfield St, Great Bend - Retire vintage Roots 3M meter and obsolete 2" regulator. Install new Roots 3M Roots meter and 2" American 1813b regulator. Worked in conjunction with BS service line renewal at the same address.	3820	\$1,140
685	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	5/23/2023	3621	053	010166	Obsolete Meter & Regulator Replacement - 1212 Garfield St, Great Bend - Retire vintage Roots 3M meter and obsolete 2" regulator. Install new Roots 3M Roots meter and 2" American 1813b regulator. Worked in conjunction with BS service line renewal at the same address.	3830	\$1,298

Line No.	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
686	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	6/1/2023	3685	044	010162	Rectifier Replacement - Minneola, Pratt Transmission - Retire existing failed rectifier to provide proper cathodic protection. Install new Universal ASAI 50-50 rectifier.	3670	\$8,023
687	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	6/2/2023	3721	054	012610	Meter & Regulator Replacement - 4600 W Kellogg Dr #212, Wichita - Retire obsolete 5M meter and 2" regulator due to internal damage. Install 2" American 1813_b regulator and new Roots 3M meter.	3820	\$1,029
688	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	6/2/2023	3721	054	012610	Meter & Regulator Replacement - 4600 W Kellogg Dr #212, Wichita - Retire obsolete 5M meter and 2" regulator due to internal damage. Install 2" American 1813_b regulator and new Roots 3M meter.	3830	\$926
	Pressure and Measurement (obsolescence) Total								\$999,044
	Grand Total								\$30,750,653

Line No.	Qualification	Unitization Date	Cost Center	Function	Job Order	Description	Government Entity	FERC	Addition
1	Public Improvement	9/19/2022	3541	055	010408	SW 12th and Washburn to Boswell, Topeka KS - TO INSTALL: 1350 ft of 6" MDPE. TO RETIRE: 1,119 ft 10" APBS; 194 ft of 10"APCS. PUBLIC WORKS PROJECT: This project is necessary because of a public works road improvement project and storm water pipe replacement.	City of Topeka	3760	\$102,550
2	Public Improvement	9/19/2022	3541	055	010408	SW 12th and Washburn to Boswell, Topeka KS - TO INSTALL: 1350 ft of 6" MDPE. TO RETIRE: 1,119 ft 10" APBS; 194 ft of 10"APCS. PUBLIC WORKS PROJECT: This project is necessary because of a public works road improvement project and storm water pipe replacement.	City of Topeka	3800	\$3,022
3	Public Improvement	9/27/2022	3541	055	010415	29th and Kansas Ave, Topeka KS - TO INSTALL: 150ft of 4" MDPE. TO RETIRE: 130ft of 4" MDPE PUBLIC WORKS PROJECT: This project is necessary because of a public works road improvement project in the intersection of 29th and Kansas in Topeka. Full-depth concrete replacement will be done on the north side, the main will need to be lowered to accommodate this work.	City of Topeka	3760	\$85,466
4	Public Improvement	10/25/2022	3541	055	010433	Government Relocation - SW 12th and Webster, Topeka ks - Install: 75 ft 4" PE. Retire: 75 ft 4" PE. This work is a relocation of the 4in PE crossing SW 12th on Webster that is in conflict with new storm pipe. The main will be lowered by 3ft. This is part of a multi-phase project to relocate facilities along SW 12thst in Topeka. The city will be installing new storm sewer pipe and performing road improvements through 2021 and 2022.	City of Topeka	3760	\$9,387
5	Public Improvement	10/25/2022	3622	055	010041	Government Relocation - Medicine Blvd & Lockwood, Medicine Lodge - Retire 120' of 2" CS main in conflict with a new culvert being installed by The City of Medicine Lodge. Install 120' of 2" CS main.	City of Medicine Lodge	3765	\$9,647
6	Public Improvement	11/10/2022	3651	055	010174	Government Relocation - 1214 Pottawatomie Ave, Manhattan, KS - To Install: 150-foot2-inch PE, 120-foot 4-inch PE, 90-foot 8-inch Casing. To Retire: 10-foot 4-inch PE, 65-foot 2-inch APCS, 90-foot 4-inch APCS Main. This project is a main relocation project to relocate the 4" CS main under the levee on S Manhattan Ave in preparation for the Manhattan Levee Improvement Project.	City of Manhattan	3760	\$52,167
7	Public Improvement	11/10/2022	3651	055	010174	Government Relocation - 1214 Pottawatomie Ave, Manhattan, KS - To Install: 150-foot2-inch PE, 120-foot 4-inch PE, 90-foot 8-inch Casing. To Retire: 10-foot 4-inch PE, 65-foot 2-inch APCS, 90-foot 4-inch APCS Main. This project is a main relocation project to relocate the 4" CS main under the levee on S Manhattan Ave in preparation for the Manhattan Levee Improvement Project.	City of Manhattan	3765	\$12,292
8	Public Improvement	11/10/2022	3651	055	010174	Government Relocation - 1214 Pottawatomie Ave, Manhattan, KS - To Install: 150-foot2-inch PE, 120-foot 4-inch PE, 90-foot 8-inch Casing. To Retire: 10-foot 4-inch PE, 65-foot 2-inch APCS, 90-foot 4-inch APCS Main. This project is a main relocation project to relocate the 4" CS main under the levee on S Manhattan Ave in preparation for the Manhattan Levee Improvement Project.	City of Manhattan	3769	\$2,214
9	Public Improvement	11/28/2022	3522	055	011285	Church St & Ann St, Tonganoxie, KS Install: 725' 2" PE main. Retire: 290' 2" CS main. Public Works Project: The bridge at Church St & Ann St is being replaced and the existing 2" CS main is hanging on the bridge and will need to be relocated. The plan is to bore a new 2" PE main with a 4" PE casing at a depth of 20' from existing grade under the creek and then cut and cap the existing main crossing the bridge.	City of Tonganoxie	3760	\$43,597
10	Public Improvement	11/28/2022	3522	055	011285	Church St & Ann St, Tonganoxie, KS Install: 725' 2" PE main. Retire: 290' 2" CS main. Public Works Project: The bridge at Church St & Ann St is being replaced and the existing 2" CS main is hanging on the bridge and will need to be relocated. The plan is to bore a new 2" PE main with a 4" PE casing at a depth of 20' from existing grade under the creek and then cut and cap the existing main crossing the bridge.	City of Tonganoxie	3769	\$525
11	Public Improvement	11/28/2022	3621	055	010052	Government Relocation - Cathedral Ave, Victoria - Retire 1,522' of 2" CS and 565' of 2" main in conflict with grade cuts during The City of Victoria's Cathedral Ave Improvements project. Install 2,300' of 2" PE, 235' of 2" CS, and 70' of 1.25" PE main.	City of Victoria	3760	\$101,393
12	Public Improvement	11/28/2022	3621	055	010052	Government Relocation - Cathedral Ave, Victoria - Retire 1,522' of 2" CS and 565' of 2" main in conflict with grade cuts during The City of Victoria's Cathedral Ave Improvements project. Install 2,300' of 2" PE, 235' of 2" CS, and 70' of 1.25" PE main.	City of Victoria	3765	\$20,455
13	Public Improvement	11/28/2022	3621	055	010052	Government Relocation - Cathedral Ave, Victoria - Retire 1,522' of 2" CS and 565' of 2" main in conflict with grade cuts during The City of Victoria's Cathedral Ave Improvements project. Install 2,300' of 2" PE, 235' of 2" CS, and 70' of 1.25" PE main.	City of Victoria	3769	\$2,423
14	Public Improvement	11/28/2022	3621	055	010052	Government Relocation - Cathedral Ave, Victoria - Retire 1,522' of 2" CS and 565' of 2" main in conflict with grade cuts during The City of Victoria's Cathedral Ave Improvements project. Install 2,300' of 2" PE, 235' of 2" CS, and 70' of 1.25" PE main.	City of Victoria	3800	\$21,684
15	Public Improvement	11/28/2022	3621	055	010052	Government Relocation - Cathedral Ave, Victoria - Retire 1,522' of 2" CS and 565' of 2" main in conflict with grade cuts during The City of Victoria's Cathedral Ave Improvements project. Install 2,300' of 2" PE, 235' of 2" CS, and 70' of 1.25" PE main.	City of Victoria	3820	\$1,389
16	Public Improvement	11/28/2022	3651	055	010179	Location: 1613 Little Kitten - Manhattan, KS - Install: 2 2" PE Caps. Retire: 140ft of 3" PE Main. Cut and cap 140ft of existing 3" PE Main. This is a project for the city to install new storm sewer line. The line will be capped using 3" x 2" reducers and 2" caps, so KGS will be able to replace that section with 2" PE.	City of Manhattan	3760	\$2,841
17	Public Improvement	12/1/2022	3721	055	010560	Government Relocation - Amidon St Bridge, Wichita - Retire 1,100' of 6" APCS main in conflict with the bridge replacement for The City of Wichita during the Amidon Ave Bridge Replacement & Street Improvements project. Install 1,100' of 4" APCS main.	City of Wichita	3765	\$91,430
18	Public Improvement	12/1/2022	3721	055	010560	Government Relocation - Amidon St Bridge, Wichita - Retire 1,100' of 6" APCS main in conflict with the bridge replacement for The City of Wichita during the Amidon Ave Bridge Replacement & Street Improvements project. Install 1,100' of 4" APCS main.	City of Wichita	3769	\$1,287
19	Public Improvement	12/1/2022	3721	055	010560	Government Relocation - Amidon St Bridge, Wichita - Retire 1,100' of 6" APCS main in conflict with the bridge replacement for The City of Wichita during the Amidon Ave Bridge Replacement & Street Improvements project. Install 1,100' of 4" APCS main.	City of Wichita	3800	\$11,441
20	Public Improvement	12/1/2022	3721	055	010563	Government Relocation - 6218 E 45th St N, Bel Aire - Retire 40' of 3" PE main in conflict with new storm sewer during the KDOT Woodlawn Ave Reconstruction 37th St N to 45th St N project. Lower and install 40' of 4" PE main.	KDOT	3760	\$6,962
21	Public Improvement	12/21/2022	3721	055	010561	Government Relocation -Alley btwn Wedgewood & Britian W of Georgie, Derby - 365' of 3" APBS and 225' of 3" APCS main in conflict with the reconstruction and repaving of the above alleyway as part of The City of Derby's 2022 Alley Reconstruction plans. Install 600' of 2" PE main.	City of Derby	3760	\$59,618
22	Public Improvement	12/21/2022	3721	055	010561	Government Relocation -Alley btwn Wedgewood & Britian W of Georgie, Derby - 365' of 3" APBS and 225' of 3" APCS main in conflict with the reconstruction and repaving of the above alleyway as part of The City of Derby's 2022 Alley Reconstruction plans. Install 600' of 2" PE main.	City of Derby	3769	\$1,713
23	Public Improvement	12/21/2022	3721	055	010561	Government Relocation -Alley btwn Wedgewood & Britian W of Georgie, Derby - 365' of 3" APBS and 225' of 3" APCS main in conflict with the reconstruction and repaving of the above alleyway as part of The City of Derby's 2022 Alley Reconstruction plans. Install 600' of 2" PE main.	City of Derby	3800	\$18,135
24	Public Improvement	12/21/2022	3721	055	010562	Government Relocation - Kellogg & Archer, Wichita - Retire 700' of 2" CS main in conflict with storm drainage during The City of Andover's paving and incidental drainage improvements to the Heritage Mixed-use First Archer Dr. project. Install 700' of 2" PE main.	City of Andover	3760	\$59,461
25	Public Improvement	12/21/2022	3721	055	010562	Government Relocation - Kellogg & Archer, Wichita - Retire 700' of 2" CS main in conflict with storm drainage during The City of Andover's paving and incidental drainage improvements to the Heritage Mixed-use First Archer Dr. project. Install 700' of 2" PE main.	City of Andover	3765	\$20,421
26	Public Improvement	12/21/2022	3721	055	010562	Government Relocation - Kellogg & Archer, Wichita - Retire 700' of 2" CS main in conflict with storm drainage during The City of Andover's paving and incidental drainage improvements to the Heritage Mixed-use First Archer Dr. project. Install 700' of 2" PE main.	City of Andover	3769	\$1,656
27	Public Improvement	12/21/2022	3721	055	010562	Government Relocation - Kellogg & Archer, Wichita - Retire 700' of 2" CS main in conflict with storm drainage during The City of Andover's paving and incidental drainage improvements to the Heritage Mixed-use First Archer Dr. project. Install 700' of 2" PE main.	City of Andover	3800	\$14,226
28	Public Improvement	1/26/2023	3721	055	010559	Government Relocation - 10530 E Pawnee Rd, Wichita - Retire 150' of 2" PE main in conflict with grade cuts during The City of Wichita's Paving and Incidental Drainage Improvement Project at Pawnee Ave from Webb to Greenwich. Install and lower 150' of 2" PE main.	City of Wichita	3760	\$19,659

Line No.	Qualification	Unitization Date	Cost Center	Function	Job Order	Description	Government Entity	FERC	Addition
29	Public Improvement	1/26/2023	3721	055	010559	Government Relocation - 10530 E Pawnee Rd, Wichita - Retire 150' of 2" PE main in conflict with grade cuts during The City of Wichita's Paving and Incidental Drainage Improvement Project at Pawnee Ave from Webb to Greenwich. Install and lower 150' of 2" PE main.	City of Wichita	3800	\$1,127
30	Public Improvement	1/26/2023	3721	055	010565	Government Relocation - 9th & Gordy, El Dorado - Retire 260' of 2" PE main in conflict with new storm sewer during The City of El Dorado's 9th & Gordy street reconstruction plans. Install and relocate 260' of 2" PE main.	City of El Dorado	3760	\$24,180
31	Public Improvement	1/26/2023	3721	055	010565	Government Relocation - 9th & Gordy, El Dorado - Retire 260' of 2" PE main in conflict with new storm sewer during The City of El Dorado's 9th & Gordy street reconstruction plans. Install and relocate 260' of 2" PE main.	City of El Dorado	3800	\$2,707
32	Public Improvement	1/26/2023	3761	055	010100	Government Relocation - 17th & Eddy, Fort Scott - Retire 15' of 2" APCS main in conflict with new storm sewer during The City of Fort Scott's South Industrial Park Waterline Extension Project. Lower and install 20' of 2" APCS main.	City of Fort Scott	3765	\$4,174
33	Public Improvement	1/27/2023	3521	055	010133	Government Relocation - Brown Ave -16th to 18th St - Street Replacement Project. To Install: 800' 2" PE Main. To Retire: 101' 2" BS Main 83' 3" BS Main 63' 2" CS Main 200' 2" PE Main. This work is being done to relocate mains for the Osawatomie 2022 Street Replacement Project. The main is in conflict with the street full depth replacement and storm lines being installed for the project.	City of Osawatomie	3760	\$47,938
34	Public Improvement	1/27/2023	3521	055	010133	Government Relocation - Brown Ave -16th to 18th St - Street Replacement Project. To Install: 800' 2" PE Main. To Retire: 101' 2" BS Main 83' 3" BS Main 63' 2" CS Main 200' 2" PE Main. This work is being done to relocate mains for the Osawatomie 2022 Street Replacement Project. The main is in conflict with the street full depth replacement and storm lines being installed for the project.	City of Osawatomie	3800	\$1,007
35	Public Improvement	1/27/2023	3522	055	011278	123rd St & Mohawk Ln, Leawood, KS Install: 470' 2" PE and 30' 4" CS main. Retire: 470' 2" PE and 30' 4" CS main. Public Works Project: There are storm water improvement conflicts with the gas main at multiple locations on the storm water replacement project at 123rd St & Mohawk Ln. KGS will relocate the gas main that is in conflict at each area.	City of Leawood	3760	\$42,286
36	Public Improvement	1/27/2023	3522	055	011278	123rd St & Mohawk Ln, Leawood, KS Install: 470' 2" PE and 30' 4" CS main. Retire: 470' 2" PE and 30' 4" CS main. Public Works Project: There are storm water improvement conflicts with the gas main at multiple locations on the storm water replacement project at 123rd St & Mohawk Ln. KGS will relocate the gas main that is in conflict at each area.	City of Leawood	3800	\$12,450
37	Public Improvement	1/27/2023	3522	055	011283	Overland Park 2022 Major Storm Sewer Repair - 2 Sites for ConsiderationTwo sites were determined to have conflicts. These locations are 147th & Hadley St, and 170th & Grandview. Both locations will be needing mains replaced with doglegs in order to avoid conflict with new storm sewer repairs. 147th & Hadley St is needing two service line relocations, one at 14755 Hadley and the other at 14735 Hadley.	City of Overland Park	3760	\$26,122
38	Public Improvement	1/27/2023	3522	055	011283	Overland Park 2022 Major Storm Sewer Repair - 2 Sites for ConsiderationTwo sites were determined to have conflicts. These locations are 147th & Hadley St, and 170th & Grandview. Both locations will be needing mains replaced with doglegs in order to avoid conflict with new storm sewer repairs. 147th & Hadley St is needing two service line relocations, one at 14755 Hadley and the other at 14735 Hadley.	City of Overland Park	3800	\$24,771
39	Public Improvement	1/27/2023	3522	055	011293	Government Relocation - 75th and Quivira - To Install: 40' 4" CS Dogleg. To Retire: 30' 4" CS Dogleg. This work is being done to relocate the 4" CS main at the NW corner of 75th and Quivira. The main is in conflict with a new storm box being installed as part of Shawnee's 75th Street Improvement Project.	City of Shawnee	3765	\$7,108
40	Public Improvement	1/27/2023	3522	055	011297	Retire 93' 3/4" PE service line. 322 Circle Dr, Gardener, KS. Install 100' 3/4" PE service line. Service line is needing lowered a foot due to road reconstruction.	City of Gardner	3800	\$1,188
41	Public Improvement	1/27/2023	3522	055	011298	Retire 10' 2" CS main. Johnson Dr & Metcalf Ln, Overland Park, KS. Install 10' 2" CS main. There is a storm water improvement conflict with the 2" CS gas main on the 2022 Overland Park Storm Water Repair project and needs lowered by 2'.	City of Overland Park	3765	\$9,301
42	Public Improvement	1/27/2023	3522	055	011302	63rd St & Lackman Rd, Shawnee, KS - Install 20' 4" CS main. Retire 20' 4" CS main. Public Works Project: There is a storm water improvement conflict with the 4" CS gas main on the 2022 Shawnee Storm Water Repair project and needs lowered by 18".	City of Shawnee	3765	\$18,293
43	Public Improvement	1/27/2023	3541	055	010417	Retire 100 ft of 6" MDPE. SW 12th and MacVicar, Topeka KS. Install 100 ft of 6" MDPE. The city will be installing new storm sewer pipe and performing road improvements and this project relocates 100' of 6" PE in conflict with new storm sewer crossing MacVicar.	City of Topeka	3760	\$79,395
44	Public Improvement	1/27/2023	3541	055	010429	Install 75' 4" PE main Retire 75' 4" PE main. SW 12th & Watson, Topeka, KS. This work order is to relocate main in conflict with the City of Topeka's storm sewer and road replacement project along SW 12th street.	City of Topeka	3760	\$10,191
45	Public Improvement	1/27/2023	3541	055	010429	Install 75' 4" PE main Retire 75' 4" PE main. SW 12th & Watson, Topeka, KS. This work order is to relocate main in conflict with the City of Topeka's storm sewer and road replacement project along SW 12th street.	City of Topeka	3800	\$3,128
46	Public Improvement	1/27/2023	3541	055	010431	Install 75' 4" PE main Retire 75' 4" PE main. SW 12th & Frazier, Topeka, KS. This work order is to relocate main in conflict with the City of Topeka's storm sewer and road replacement project along SW 12th street.	City of Topeka	3760	\$14,299
47	Public Improvement	1/27/2023	3541	055	010431	Install 75' 4" PE main Retire 75' 4" PE main. SW 12th & Frazier, Topeka, KS. This work order is to relocate main in conflict with the City of Topeka's storm sewer and road replacement project along SW 12th street.	City of Topeka	3800	\$9,536
48	Public Improvement	1/27/2023	3541	055	010441	Government Relocation - 545 SW Danbury Ln, Topeka, KS - To Install: 60-feet 4-inch PE. To Retire: 60-feet 4-inch PE. Relocation project: Main replacement due to a conflict with a proposed city storm sewer inlet box to be installed at 545 SW Danbury Ln. The main runs through the proposed location of the box and will need to be relocated 3-foot to the West.	City of Topeka	3760	\$1,872
49	Public Improvement	1/27/2023	3541	055	010442	Government Relocation - 421 SW Danbury Ln, Topeka, KS - To Install: 250-feet 4-inch PE. To Retire: 250-feet 4-inch PE. Relocation project: Main replacement due to a conflict with a proposed city storm sewer inlet box to be installed at 421 SW Danbury Ln. The main runs through the proposed location of the box and will need to be relocated 3-foot to the West.	City of Topeka	3760	\$18,191
50	Public Improvement	1/27/2023	3541	055	010442	Government Relocation - 421 SW Danbury Ln, Topeka, KS - To Install: 250-feet 4-inch PE. To Retire: 250-feet 4-inch PE. Relocation project: Main replacement due to a conflict with a proposed city storm sewer inlet box to be installed at 421 SW Danbury Ln. The main runs through the proposed location of the box and will need to be relocated 3-foot to the West.	City of Topeka	3800	\$8,833
51	Public Improvement	1/27/2023	3651	055	010173	Government Relocation - 702W 15TH ST, Manhattan, KS - To Install: 100-feet 2-inch PE. To Retire: 115-feet 2-inch BS. Main Relocation project: This project is a main relocation project to eliminate 115-feet 2-inch BS in preparation for the Manhattan Levee Improvement Project.	City of Manhattan	3760	\$1,738
52	Public Improvement	1/27/2023	3651	055	010173	Government Relocation - 702W 15TH ST, Manhattan, KS - To Install: 100-feet 2-inch PE. To Retire: 115-feet 2-inch BS. Main Relocation project: This project is a main relocation project to eliminate 115-feet 2-inch BS in preparation for the Manhattan Levee Improvement Project.	City of Manhattan	3800	\$16,022
53	Public Improvement	1/27/2023	3651	055	010176	Government Relocation - 606 N Manhattan Ave, Manhattan, KS - To Install: 120-feet 2-inch PE. To Retire: 15-feet 2-inch PE, 105-feet 4-inch APCS Main Relocation project: This project is a main relocation project to relocate the 4" CS main at the intersection of W Laramie St and N Manhattan Ave due to the road improvements as well as the installation of a Junction box directly over KGS main.	City of Manhattan	3760	\$15,903
54	Public Improvement	1/27/2023	3651	055	010178	Government Relocation - 150 Anderson Ave, Manhattan, KS - To Install: 30-feet 2-inch PE. To Retire: 25-feet 2-inch PE, 5-feet 4-inch RPCS. Relocation project: This project is a main relocation project to relocate the 2" PE main crossing the road near the intersection of Little Moro St and N Manhattan Ave due to the upcoming N Manhattan Ave project. The project will be in conflict with the 2" PE main due to the storm sewer installation in the same area.	City of Manhattan	3760	\$12,365
55	Public Improvement	1/27/2023	3721	055	010558	Government Relocation - St Francis & Murdock, St Francis & 10th St, Wichita - Retire 230' of 6" RPCS and 30' of 2" PE main in conflict with new sanitary sewer at 4 separate locations during The City of Wichita's St Francis Relief Sanitary Sewer Phase 3 project. Install 230' of 6" RPCS and 30' of 2" PE main.	City of Wichita	3760	\$27,290
56	Public Improvement	1/27/2023	3721	055	010558	Government Relocation - St Francis & Murdock, St Francis & 10th St, Wichita - Retire 230' of 6" RPCS and 30' of 2" PE main in conflict with new sanitary sewer at 4 separate locations during The City of Wichita's St Francis Relief Sanitary Sewer Phase 3 project. Install 230' of 6" RPCS and 30' of 2" PE main.	City of Wichita	3765	\$146,575

Line No.	Qualification	Unitization Date	Cost Center	Function	Job Order	Description	Government Entity	FERC	Addition
57	Public Improvement	1/27/2023	3721	055	010558	Government Relocation - St Francis & Murdock, St Francis & 10th St, Wichita - Retire 230' of 6" RPCS and 30' of 2" PE main in conflict with new sanitary sewer at 4 separate locations during The City of Wichita's St Francis Relief Sanitary Sewer Phase 3 project. Install 230' of 6" RPCS and 30' of 2" PE main.	City of Wichita	3800	\$15,736
58	Public Improvement	2/1/2023	3651	055	010181	Government Relocation - 701 Country Club Cir, Wamego, KS. To Install: 84-foot 2-inch APCS. To Retire: 84-foot 2-inch APCS. Relocation project: the City of Wamego is doing work on a full replacement for a panel on Grandview Dr and discovering our main at 10 inches deep. Main will be relocated to a depth of 32 inches.	City of Wamego	3765	\$8,022
59	Public Improvement	2/1/2023	3761	055	010101	Government Relocation - 20th & Michigan, Pittsburg - Retire 25' of 2" PE main in conflict with The City of Pittsburg plans to install new sanitary sewer at the above intersection. Lower and install 25' of 2" PE main.	City of Pittsburg	3760	\$1,797
60	Public Improvement	2/28/2023	3522	055	011281	Retire 75' 8" CS main. 87th St & Acuff Ln, Lenexa, KS. Install 75' 8" CS main. This work is being done to eliminate a conflict with Lenexa's new tunnel being installed under 87th street to extend the Little Mill Creek Trail. The 8" CS main is in conflict with the top of the new tunnel so KGS will relocate.	City of Lenexa	3765	\$221
61	Public Improvement	2/28/2023	3522	055	011286	Retire 500' 2" PE main. US 56 and Cedar St, Gardner, KS. Install 500' 2" PE main. This work is being done for the 56-46 KA 5420-01 Project in Gardner Kansas. The existing 2" PE Main is in conflict with a new storm drain location and needs to be relocated.	KDOT	3760	\$33,382
62	Public Improvement	2/28/2023	3522	055	011286	Retire 500' 2" PE main. US 56 and Cedar St, Gardner, KS. Install 500' 2" PE main. This work is being done for the 56-46 KA 5420-01 Project in Gardner Kansas. The existing 2" PE Main is in conflict with a new storm drain location and needs to be relocated.	KDOT	3800	\$295
63	Public Improvement	2/28/2023	3531	055	010087	Government Relocation - Eisenhower Rd & K-7 Hwy, Leavenworth, KS Install: 250' 2" PE main. Retire: 250' 2" PE main Public Works Project: There is a road improvement grading conflict with the gas main on the Eisenhower Rd & K-7 Hwy Street Improvement Project.	KDOT	3760	\$18,017
64	Public Improvement	2/28/2023	3541	055	010434	Government Relocation - 2228 SE Market ST, Topeka, KS - To Install: 460-foot 4-inch PE. To Retire: 460-foot 4-inch APCS. Relocation project: This project is a main relocation project to relocate the 4-inch APCS main crossing the road at SE 23RD and Market, as it will be in conflict with an upcoming storm sewer project. Main needs to be lowered to a depth of 8-8.5 feet.	City of Topeka	3760	\$64,023
65	Public Improvement	2/28/2023	3541	055	010434	Government Relocation - 2228 SE Market ST, Topeka, KS - To Install: 460-foot 4-inch PE. To Retire: 460-foot 4-inch APCS. Relocation project: This project is a main relocation project to relocate the 4-inch APCS main crossing the road at SE 23RD and Market, as it will be in conflict with an upcoming storm sewer project. Main needs to be lowered to a depth of 8-8.5 feet.	City of Topeka	3769	\$1,838
66	Public Improvement	2/28/2023	3761	055	010099	Government Relocation - Quincy Ave, Joplin St to Rouse St - Retire 665' 3" APBS, 285' 4" APBS, 620' 4" UPBS, 80' 4" APCS, 50' 6" APBS, 217' 6" UPBS main in conflict with road widening and storm sewer during The City of Pittsburg's Quincy St planned project at the above intersections. Install 1,910' of 6" PE and 1,120' of 4" PE main.	City of Pittsburg	3760	\$382,176
67	Public Improvement	2/28/2023	3761	055	010099	Government Relocation - Quincy Ave, Joplin St to Rouse St - Retire 665' 3" APBS, 285' 4" APBS, 620' 4" UPBS, 80' 4" APCS, 50' 6" APBS, 217' 6" UPBS main in conflict with road widening and storm sewer during The City of Pittsburg's Quincy St planned project at the above intersections. Install 1,910' of 6" PE and 1,120' of 4" PE main.	City of Pittsburg	3769	\$6,296
68	Public Improvement	2/28/2023	3761	055	010099	Government Relocation - Quincy Ave, Joplin St to Rouse St - Retire 665' 3" APBS, 285' 4" APBS, 620' 4" UPBS, 80' 4" APCS, 50' 6" APBS, 217' 6" UPBS main in conflict with road widening and storm sewer during The City of Pittsburg's Quincy St planned project at the above intersections. Install 1,910' of 6" PE and 1,120' of 4" PE main.	City of Pittsburg	3800	\$69,772
69	Public Improvement	4/4/2023	3522	055	011263	Johnson Dr & Goddard St, Shawnee, KS Install: 880' 2" PE and 2600' 4" PE main. Retire: 44' 1.25" PE, 886' 2" BS, 144' 2" CS, 111' 2" PE, 86' 3" BS, 1911' 4" BS, 58' 4" CS, 98' 4" PE and 30' 8" CS main. Public Works Project: There are multiple storm water improvement conflicts with the gas main on the City of Shawnee 2022 Goddard Street Improvement project. The gas main from Johnson Dr to 55th St along Goddard St is all bare steel so KGS will replace the entire length of the project to eliminate the bare steel main.	City of Shawnee	3760	\$59,418
70	Public Improvement	4/4/2023	3522	055	011263	Johnson Dr & Goddard St, Shawnee, KS Install: 880' 2" PE and 2600' 4" PE main. Retire: 44' 1.25" PE, 886' 2" BS, 144' 2" CS, 111' 2" PE, 86' 3" BS, 1911' 4" BS, 58' 4" CS, 98' 4" PE and 30' 8" CS main. Public Works Project: There are multiple storm water improvement conflicts with the gas main on the City of Shawnee 2022 Goddard Street Improvement project. The gas main from Johnson Dr to 55th St along Goddard St is all bare steel so KGS will replace the entire length of the project to eliminate the bare steel main.	City of Shawnee	3765	\$16,990
71	Public Improvement	4/4/2023	3522	055	011263	Johnson Dr & Goddard St, Shawnee, KS Install: 880' 2" PE and 2600' 4" PE main. Retire: 44' 1.25" PE, 886' 2" BS, 144' 2" CS, 111' 2" PE, 86' 3" BS, 1911' 4" BS, 58' 4" CS, 98' 4" PE and 30' 8" CS main. Public Works Project: There are multiple storm water improvement conflicts with the gas main on the City of Shawnee 2022 Goddard Street Improvement project. The gas main from Johnson Dr to 55th St along Goddard St is all bare steel so KGS will replace the entire length of the project to eliminate the bare steel main.	City of Shawnee	3769	\$6,689
72	Public Improvement	4/4/2023	3522	055	011263	Johnson Dr & Goddard St, Shawnee, KS Install: 880' 2" PE and 2600' 4" PE main. Retire: 44' 1.25" PE, 886' 2" BS, 144' 2" CS, 111' 2" PE, 86' 3" BS, 1911' 4" BS, 58' 4" CS, 98' 4" PE and 30' 8" CS main. Public Works Project: There are multiple storm water improvement conflicts with the gas main on the City of Shawnee 2022 Goddard Street Improvement project. The gas main from Johnson Dr to 55th St along Goddard St is all bare steel so KGS will replace the entire length of the project to eliminate the bare steel main.	City of Shawnee	3800	\$298,717
73	Public Improvement	4/4/2023	3522	055	011263	Johnson Dr & Goddard St, Shawnee, KS Install: 880' 2" PE and 2600' 4" PE main. Retire: 44' 1.25" PE, 886' 2" BS, 144' 2" CS, 111' 2" PE, 86' 3" BS, 1911' 4" BS, 58' 4" CS, 98' 4" PE and 30' 8" CS main. Public Works Project: There are multiple storm water improvement conflicts with the gas main on the City of Shawnee 2022 Goddard Street Improvement project. The gas main from Johnson Dr to 55th St along Goddard St is all bare steel so KGS will replace the entire length of the project to eliminate the bare steel main.	City of Shawnee	3830	\$10,719
74	Public Improvement	4/4/2023	3635	055	010078	Government Relocation - Skanke and Oak, McPherson - Retire 800' of 2" APBS, 250' of 3" PE, 200' of 4" APBS main in conflict with the City of McPherson's plans to install new sanitary sewer. Install 175' of 2" PE and 1,200' of 4" PE main.	City of McPherson	3760	\$76,511
75	Public Improvement	4/4/2023	3635	055	010078	Government Relocation - Skanke and Oak, McPherson - Retire 800' of 2" APBS, 250' of 3" PE, 200' of 4" APBS main in conflict with the City of McPherson's plans to install new sanitary sewer. Install 175' of 2" PE and 1,200' of 4" PE main.	City of McPherson	3765	\$1,697
76	Public Improvement	4/4/2023	3635	055	010078	Government Relocation - Skanke and Oak, McPherson - Retire 800' of 2" APBS, 250' of 3" PE, 200' of 4" APBS main in conflict with the City of McPherson's plans to install new sanitary sewer. Install 175' of 2" PE and 1,200' of 4" PE main.	City of McPherson	3800	\$24,184
77	Public Improvement	4/4/2023	3635	055	010078	Government Relocation - Skanke and Oak, McPherson - Retire 800' of 2" APBS, 250' of 3" PE, 200' of 4" APBS main in conflict with the City of McPherson's plans to install new sanitary sewer. Install 175' of 2" PE and 1,200' of 4" PE main.	City of McPherson	3820	\$1,906
78	Public Improvement	4/4/2023	3635	055	010078	Government Relocation - Skanke and Oak, McPherson - Retire 800' of 2" APBS, 250' of 3" PE, 200' of 4" APBS main in conflict with the City of McPherson's plans to install new sanitary sewer. Install 175' of 2" PE and 1,200' of 4" PE main.	City of McPherson	3830	\$1,327
79	Public Improvement	4/4/2023	3651	055	010170	Main Relocation - K177 & Humboldt Creek Rd. Retire: 2550ft 3" CS. Install: 2550ft 4" APCS, 4" Gate Valve. This main line relocation is required to avoid conflicts with grade cuts occurring along the S side of K177. Cuts occurring will expose existing 3" APCS.	KDOT	3765	\$204,059
80	Public Improvement	4/4/2023	3651	055	010170	Main Relocation - K177 & Humboldt Creek Rd. Retire: 2550ft 3" CS. Install: 2550ft 4" APCS, 4" Gate Valve. This main line relocation is required to avoid conflicts with grade cuts occurring along the S side of K177. Cuts occurring will expose existing 3" APCS.	KDOT	3769	\$422
81	Public Improvement	4/25/2023	3522	055	011272	50th and Reed, Mission Kansas - This project is necessary to avoid conflicts with a road and storm improvement project by the City or Mission, KS. Install: 1,330 of 2" PE main, 50' of 4" CS, and 300' of 4" PE	City of Mission	3760	\$119,397
82	Public Improvement	4/25/2023	3522	055	011272	50th and Reed, Mission Kansas - This project is necessary to avoid conflicts with a road and storm improvement project by the City or Mission, KS. Install: 1,330 of 2" PE main, 50' of 4" CS, and 300' of 4" PE	City of Mission	3765	\$12,170

Line No.	Qualification	Unitization Date	Cost Center	Function	Job Order	Description	Government Entity	FERC	Addition
83	Public Improvement	4/25/2023	3522	055	011272	50th and Reed, Mission Kansas - This project is necessary to avoid conflicts with a road and storm improvement project by the City or Mission, KS. Install: 1,330 of 2" PE main, 50' of 4" CS, and 300' of 4" PE	City of Mission	3800	\$144,674
84	Public Improvement	4/25/2023	3522	055	011304	8015 Canterbury St, Prairie Village, KS - Install 10' 2" CS main. Retire 10' 2" BS main. Public Works Project: There is a storm water improvement conflict with the 2" BS gas main on the 2021 PV Drainage Repair Program project and needs raised by 12".	City of Prairie Village	3765	\$5,047
85	Public Improvement	4/25/2023	3651	055	010183	Plum Street (6th to 7th St) - Wamego, KS. Install: 1045' of 2" PE Main. Retire: 918' of 2" APCS Main, 127' of 2" PE Main. This CUE is to relocate a section of 2" APCS main in conflict with Storm Sewer lines and inlets being installed along Plum St in Wamego, KS. The service running to 106 6th St will be abandoned and replaced with a new service being bored from the 2" PE to the South.	City of Wamego	3760	\$74,714
86	Public Improvement	4/25/2023	3651	055	010183	Plum Street (6th to 7th St) - Wamego, KS. Install: 1045' of 2" PE Main. Retire: 918' of 2" APCS Main, 127' of 2" PE Main. This CUE is to relocate a section of 2" APCS main in conflict with Storm Sewer lines and inlets being installed along Plum St in Wamego, KS. The service running to 106 6th St will be abandoned and replaced with a new service being bored from the 2" PE to the South.	City of Wamego	3800	\$549
87	Public Improvement	4/25/2023	3721	055	010568	Government Relocation - Dexter & Abilene, Valley Center - Retire 50' of 4" PE main in conflict with new sewer plans as part of the City of Valley Center's Sunflower Valley Improvements project. Install 80' of 4" PE main.	City of Valley Center	3760	\$9,989
88	Public Improvement	5/2/2023	3522	055	011270	47th Street - Belinder to Mission. To Install: 1,700' 16" CS Main 1,100' 2" PE Main. To Retire: 1566' 16" BS Main, 120' 2" CS Main, 982' 1-1/4" PE Main 12' 2" PE Main 20' 2" BS Main. This work is being done to replace the mains along 47th street for the KDOT project along 47th Street.	KDOT	3760	\$265,110
89	Public Improvement	5/2/2023	3522	055	011270	47th Street - Belinder to Mission. To Install: 1,700' 16" CS Main 1,100' 2" PE Main. To Retire: 1566' 16" BS Main, 120' 2" CS Main, 982' 1-1/4" PE Main 12' 2" PE Main 20' 2" BS Main. This work is being done to replace the mains along 47th street for the KDOT project along 47th Street.	KDOT	3765	\$1,975,836
90	Public Improvement	5/2/2023	3522	055	011270	47th Street - Belinder to Mission. To Install: 1,700' 16" CS Main 1,100' 2" PE Main. To Retire: 1566' 16" BS Main, 120' 2" CS Main, 982' 1-1/4" PE Main 12' 2" PE Main 20' 2" BS Main. This work is being done to replace the mains along 47th street for the KDOT project along 47th Street.	KDOT	3769	\$1,379
91	Public Improvement	5/2/2023	3522	055	011270	47th Street - Belinder to Mission. To Install: 1,700' 16" CS Main 1,100' 2" PE Main. To Retire: 1566' 16" BS Main, 120' 2" CS Main, 982' 1-1/4" PE Main 12' 2" PE Main 20' 2" BS Main. This work is being done to replace the mains along 47th street for the KDOT project along 47th Street.	KDOT	3800	\$46,151
92	Public Improvement	5/2/2023	3541	055	010426	Install 3800' 6" PE main, 30' 4" PE main, 300' 2" PE main, 65' 2" CS main. Retire 4150' 6" APCS main, 81' 2" APCS main, 307' 2" PE main. SE 45th and California, Topeka KS. This is a government relocation project ahead of the city's traffic way improvement project.	City of Topeka	3760	\$307,104
93	Public Improvement	5/2/2023	3541	055	010426	Install 3800' 6" PE main, 30' 4" PE main, 300' 2" PE main, 65' 2" CS main. Retire 4150' 6" APCS main, 81' 2" APCS main, 307' 2" PE main. SE 45th and California, Topeka KS. This is a government relocation project ahead of the city's traffic way improvement project.	City of Topeka	3765	\$10,988
94	Public Improvement	5/2/2023	3541	055	010426	Install 3800' 6" PE main, 30' 4" PE main, 300' 2" PE main, 65' 2" CS main. Retire 4150' 6" APCS main, 81' 2" APCS main, 307' 2" PE main. SE 45th and California, Topeka KS. This is a government relocation project ahead of the city's traffic way improvement project.	City of Topeka	3800	\$83,273
95	Public Improvement	5/12/2023	3651	055	010182	Alleyway - N Manhattan Ave to 12th St - Manhattan, KS. Install: 475' of 4" PE Main, 400' of 1.25" PE Service. Retire: 475' of 4" APCS main, 200' 1.25" BS Service, 200' 1.25" APCS 6 1.25" BS services will be replaced with 1.25" PE services. 6 1.25" APCS services will be replaced with 1.25" PE services. 4 existing PE services will be tied over to the new 4" PE main.	City of Manhattan	3760	\$51,029
96	Public Improvement	5/12/2023	3651	055	010182	Alleyway - N Manhattan Ave to 12th St - Manhattan, KS. Install: 475' of 4" PE Main, 400' of 1.25" PE Service. Retire: 475' of 4" APCS main, 200' 1.25" BS Service, 200' 1.25" APCS 6 1.25" BS services will be replaced with 1.25" PE services. 6 1.25" APCS services will be replaced with 1.25" PE services. 4 existing PE services will be tied over to the new 4" PE main.	City of Manhattan	3800	\$24,357
97	Public Improvement	5/12/2023	3651	055	010182	Alleyway - N Manhattan Ave to 12th St - Manhattan, KS. Install: 475' of 4" PE Main, 400' of 1.25" PE Service. Retire: 475' of 4" APCS main, 200' 1.25" BS Service, 200' 1.25" APCS 6 1.25" BS services will be replaced with 1.25" PE services. 6 1.25" APCS services will be replaced with 1.25" PE services. 4 existing PE services will be tied over to the new 4" PE main.	City of Manhattan	3820	\$3,590
98	Public Improvement	5/12/2023	3651	055	010182	Alleyway - N Manhattan Ave to 12th St - Manhattan, KS. Install: 475' of 4" PE Main, 400' of 1.25" PE Service. Retire: 475' of 4" APCS main, 200' 1.25" BS Service, 200' 1.25" APCS 6 1.25" BS services will be replaced with 1.25" PE services. 6 1.25" APCS services will be replaced with 1.25" PE services. 4 existing PE services will be tied over to the new 4" PE main.	City of Manhattan	3830	\$2,836
99	Public Improvement	5/12/2023	3651	055	010184	USD 383 Bus Depot - Hayes Dr. - Manhattan, KS. Install: 615' of 4" PE, 760' of 3/4" PE Service. Retire: 615' of 4" APCS Main, 150 of 1.25" APCS Main. This project is to relocate a section of 4" APCS main in conflict with a section of storm sewer line being installed in front of the USD 383 Bus Depot. KGS, City of Manhattan, and USD 383 all agreed that KGS would have the ability to relocate the 4" main to be within the identified pedestrian easement due to space constraints with other utilities. In addition, three 1.25" BS services will be replaced. One 7/8" PE service, and one 1" PE service will be tied over.	City of Manhattan	3760	\$49,227
100	Public Improvement	5/12/2023	3651	055	010184	USD 383 Bus Depot - Hayes Dr. - Manhattan, KS. Install: 615' of 4" PE, 760' of 3/4" PE Service. Retire: 615' of 4" APCS Main, 150 of 1.25" APCS Main. This project is to relocate a section of 4" APCS main in conflict with a section of storm sewer line being installed in front of the USD 383 Bus Depot. KGS, City of Manhattan, and USD 383 all agreed that KGS would have the ability to relocate the 4" main to be within the identified pedestrian easement due to space constraints with other utilities. In addition, three 1.25" BS services will be replaced. One 7/8" PE service, and one 1" PE service will be tied over.	City of Manhattan	3800	\$26,272
101	Public Improvement	5/17/2023	3522	055	011269	Retire 80' 2" PE, 40' 4" CS, and 150' 6" CS main. Johnson Dr & Foster St, Overland Park, KS. Install: 80' 2" PE, 40' 4" CS and 150' 6" CS main. There are multiple storm water improvement conflicts with the gas main on the 2022 Overland Park Storm Water Repair project. KGS will relocate the mains and services in the conflict areas to resolve the the conflicts.	City of Overland Park	3760	\$22,878
102	Public Improvement	5/17/2023	3522	055	011269	Retire 80' 2" PE, 40' 4" CS, and 150' 6" CS main. Johnson Dr & Foster St, Overland Park, KS. Install: 80' 2" PE, 40' 4" CS and 150' 6" CS main. There are multiple storm water improvement conflicts with the gas main on the 2022 Overland Park Storm Water Repair project. KGS will relocate the mains and services in the conflict areas to resolve the the conflicts.	City of Overland Park	3765	\$83,286
103	Public Improvement	5/17/2023	3522	055	011269	Retire 80' 2" PE, 40' 4" CS, and 150' 6" CS main. Johnson Dr & Foster St, Overland Park, KS. Install: 80' 2" PE, 40' 4" CS and 150' 6" CS main. There are multiple storm water improvement conflicts with the gas main on the 2022 Overland Park Storm Water Repair project. KGS will relocate the mains and services in the conflict areas to resolve the the conflicts.	City of Overland Park	3769	\$5,237
104	Public Improvement	5/17/2023	3522	055	011269	Retire 80' 2" PE, 40' 4" CS, and 150' 6" CS main. Johnson Dr & Foster St, Overland Park, KS. Install: 80' 2" PE, 40' 4" CS and 150' 6" CS main. There are multiple storm water improvement conflicts with the gas main on the 2022 Overland Park Storm Water Repair project. KGS will relocate the mains and services in the conflict areas to resolve the the conflicts.	City of Overland Park	3800	\$7,554
105	Public Improvement	5/17/2023	3522	055	011282	Retire 60' 2" PE main. Elledge Dr & Fontana St, Roeland Park, KS. Install: 60' 2" PE main. The city of Roeland Park is completing a storm water improvement project and the gas main is in conflict in two locations so it will need to be relocated.	City of Roeland Park	3760	\$53,153
106	Public Improvement	5/17/2023	3522	055	011291	Retire 60' 2" PE main. 129th St & Mission Rd, Leawood, KS. Install 60' 2" PE main. There are 2 storm water improvement conflicts with the gas main at two separate locations on the storm water replacement project that Leawood is constructing.	City of Roeland Park	3760	\$28,809
107	Public Improvement	5/17/2023	3522	055	011303	GSRS - 87th St West of 435 - To Install: 300' 8" CS Main. To Retire: 300' 8" CS Main. This work is being done to lower the 8" CS main along 87th St West of the West on Ramp for 435. The main is in conflict with the new grading plans for the City of Lenexa's road project. The 8" main was originally spotted and was told it was good. During construction the main was exposed and was found to be too shallow for the new grading plans. KGS will now need to lower the main to be 3 feet deep after all of the final grading.	City of Lenexa	3765	\$100,325

Line No.	Qualification	Unitization Date	Cost Center	Function	Job Order	Description	Government Entity	FERC	Addition
108	Public Improvement	5/17/2023	3541	055	010421	Retire 500' 6" MDPE and 170' 2" MDPE main. SW 12th and Plass, Topeka KS. Install 520' 6" MDPE and 480' 2" MDPE main. This work is part of phase 3 of a project to relocate facilities along SW 12th st in Topeka. The city of Topeka will be installing new storm sewer pipe and performing road improvements.	City of Topeka	3760	\$97,687
109	Public Improvement	5/17/2023	3541	055	010443	301 SW Yorkshire Rd, Topeka, KS - To Install: 120-foot 2-inch PE. To Retire: 120-foot 2-inch PE. Relocation project: This project is a main replacement due to a conflict with a proposed city storm sewer inlet box to be installed at 301 SW Yorkshire Ln.	City of Topeka	3760	\$7,522
110	Public Improvement	5/17/2023	3541	055	010451	To Install: 280-foot 2-inch PE. To Retire: 175-foot of 4-inch PE. This work is to move existing facilities out of the way of new construction. All main will be installed in road ROW. System is a one-way feed from the south. No services will be worked on during this project.	City of Topeka	3760	\$33,453
111	Public Improvement	5/17/2023	3631	055	010088	City of Hutchinson was cutting out a sewer box for replacement and it was found that our 4" CS main is running thru it. We will need to lower the main to min depth of 8' to be under the new sewer box. Retire: 30' - 4" CS, 20' - 4" BS. Install: 100' - 4" PE	City of Hutchinson	3760	\$16,435
112	Public Improvement	5/17/2023	3631	055	010088	City of Hutchinson was cutting out a sewer box for replacement and it was found that our 4" CS main is running thru it. We will need to lower the main to min depth of 8' to be under the new sewer box. Retire: 30' - 4" CS, 20' - 4" BS. Install: 100' - 4" PE	City of Hutchinson	3769	\$3,089
113	Public Improvement	5/17/2023	3641	055	010090	Government Relocation - 14th St, Vine to Buckeye, Abilene - Retire 275' 2" APCS & 15' 2" PE main in conflict with The City of Abilene's NW 14th St Improvements project. Install 450' of 2" PE main.	City of Abilene	3760	\$14,513
114	Public Improvement	5/17/2023	3641	055	010090	Government Relocation - 14th St, Vine to Buckeye, Abilene - Retire 275' 2" APCS & 15' 2" PE main in conflict with The City of Abilene's NW 14th St Improvements project. Install 450' of 2" PE main.	City of Abilene	3769	\$410
115	Public Improvement	5/19/2023	3522	055	011267	Retire 1,967' 2" BS, 753' 4" BS, 175' 4" CS, 59' 1.25" PE and 343' 2" PE main. 47th Ter and Rainbow, Westwood Hills, KS. Install 2,400' 2" PE and 825' 4" PE main. This work is being done to replace the BS main within the Westwood Hills Mill and Overlay limits. The BS main is from 1928 and needs to be replaced before the city mills and overlays the streets.	City of Westwood	3760	\$631,345
116	Public Improvement	5/19/2023	3522	055	011267	Retire 1,967' 2" BS, 753' 4" BS, 175' 4" CS, 59' 1.25" PE and 343' 2" PE main. 47th Ter and Rainbow, Westwood Hills, KS. Install 2,400' 2" PE and 825' 4" PE main. This work is being done to replace the BS main within the Westwood Hills Mill and Overlay limits. The BS main is from 1928 and needs to be replaced before the city mills and overlays the streets.	City of Westwood	3800	\$262,517
117	Public Improvement	5/19/2023	3522	055	011295	Retire 200' 2" PE, 100' 2" BS and 100' 2" CS main. Barton St and 59th Ter, Shawnee, KS. Install 400' 2" PE main. The 2" PE main will interfere with the proposed location of the new storm drain so it will need relocated.	City of Shawnee	3760	\$33,028
118	Public Improvement	5/19/2023	3522	055	011295	Retire 200' 2" PE, 100' 2" BS and 100' 2" CS main. Barton St and 59th Ter, Shawnee, KS. Install 400' 2" PE main. The 2" PE main will interfere with the proposed location of the new storm drain so it will need relocated.	City of Shawnee	3800	\$9,748
119	Public Improvement	5/19/2023	3653	055	010043	Rd Move - 9th and Main - Seneca, KS - Install: 280 feet of 4" PE Main, Cathodic Test Station. Retire: 280ft of 4" BS Main. This road move is a government relocation for the City of Seneca. The city is in the process of upgrading Main Street from 11th st to 7th st. At 9th st the city will be installing a new storm sewer that will lie at the same depth as our main. Rather than dog leg at depth, we will take this opportunity to eliminate BS Main.	City of Seneca	3760	\$17,103
120	Public Improvement	5/19/2023	3653	055	010043	Rd Move - 9th and Main - Seneca, KS - Install: 280 feet of 4" PE Main, Cathodic Test Station. Retire: 280ft of 4" BS Main. This road move is a government relocation for the City of Seneca. The city is in the process of upgrading Main Street from 11th st to 7th st. At 9th st the city will be installing a new storm sewer that will lie at the same depth as our main. Rather than dog leg at depth, we will take this opportunity to eliminate BS Main.	City of Seneca	3800	\$1,748
121	Public Improvement	5/30/2023	3542	055	010023	2034 W 6TH ST, Emporia, KS - To Install: 50-foot 2-inch PE. To Retire: 50-foot 2-inch PE. Relocate project: This project is main relocation project due to work that is being done at the intersection for a mill and overlay as well as storm sewer improvements. A small section of main was found to be in conflict and will need to be relocated 12-feet behind the curb.	City of Emporia	3760	\$3,936
122	Public Improvement	6/2/2023	3541	055	010432	Location: 66th St and Topeka Blvd, Topeka, KS - To Install: 325-foot 2-inch PE. To Retire: 226-foot 2-inch PE and 54-foot 2-inch CS Replacement project: This work is to relocate an existing main suspended on an existing to bridge to below Indian creek.	KDOT	3760	\$27,262
123	Public Improvement	6/2/2023	3541	055	010432	Location: 66th St and Topeka Blvd, Topeka, KS - To Install: 325-foot 2-inch PE. To Retire: 226-foot 2-inch PE and 54-foot 2-inch CS Replacement project: This work is to relocate an existing main suspended on an existing to bridge to below Indian creek.	KDOT	3800	\$6,370
124	Public Improvement	6/2/2023	3635	055	010077	Retire: 392' - 4" APBS main. Install: 392' - 4" PE main. City of McPherson has a reconstruction project planned for spring of 2023 for S Walnut St. Our main at the intersection of Walnut & Ave C is shallow and will need replaced.	City of McPherson	3760	\$26,599
125	Public Improvement	6/2/2023	3635	055	010077	Retire: 392' - 4" APBS main. Install: 392' - 4" PE main. City of McPherson has a reconstruction project planned for spring of 2023 for S Walnut St. Our main at the intersection of Walnut & Ave C is shallow and will need replaced.	City of McPherson	3769	\$895
126	Public Improvement	6/2/2023	3635	055	010077	Retire: 392' - 4" APBS main. Install: 392' - 4" PE main. City of McPherson has a reconstruction project planned for spring of 2023 for S Walnut St. Our main at the intersection of Walnut & Ave C is shallow and will need replaced.	City of McPherson	3800	\$473
127	Public Improvement	6/2/2023	3721	055	010571	Government Relocation - W 79th St S & Cattail Cir, Haysville - Retire 155' of 4" PE main in conflict with grade cuts for drainage work during the City of Haysville's Storm Water Sewer at 79th & Cattail project. Relocate and install 155' of 4" PE main.	City of Haysville	3760	\$4,635
128	Public Improvement	6/15/2023	3721	055	010569	Government Relocation - Dexter & Ford, Valley Center - Retire 20' of 2" APCS main in conflict with new sewer plans as part of the City of Valley Center's Sunflower Valley Improvements project. Install 40' of 2" CS main.	City of Valley Center	3769	\$3,508
129	Public Improvement	6/15/2023	3721	055	010569	Government Relocation - Dexter & Ford, Valley Center - Retire 20' of 2" APCS main in conflict with new sewer plans as part of the City of Valley Center's Sunflower Valley Improvements project. Install 40' of 2" CS main.	City of Valley Center	3780	\$91,593
130	Public Improvement	6/15/2023	3721	055	010572	Government Relocation - Prairie Creek Rd & Limestone Rd, Andover - Retire 1,150' of 2" APCS in conflict with grade cuts and storm sewer during The City of Andover's Paving Improvements for Prairie Creek Road to Serve Prairie Creek Addition project. Install 1,150' of 4" PE main.	City of Andover	3760	\$110,847
131	Public Improvement	6/15/2023	3721	055	010572	Government Relocation - Prairie Creek Rd & Limestone Rd, Andover - Retire 1,150' of 2" APCS in conflict with grade cuts and storm sewer during The City of Andover's Paving Improvements for Prairie Creek Road to Serve Prairie Creek Addition project. Install 1,150' of 4" PE main.	City of Andover	3800	\$13,716
132	Public Improvement	6/20/2023	3522	055	011258	Retire 3750' 6" BS, 3500' 4" BS, 300' 6" CS and 400' 4" CS main. Tomahawk Rd and Mission Ave, Mission Hills, KS. Install 5300' 6" PE, 3500' 4" PE and 300' 2" PE main. This work is being completed due to the Tomahawk Rd Street Repair project by the county.	Johnson County	3760	\$933,562
133	Public Improvement	6/20/2023	3522	055	011258	Retire 3750' 6" BS, 3500' 4" BS, 300' 6" CS and 400' 4" CS main. Tomahawk Rd and Mission Ave, Mission Hills, KS. Install 5300' 6" PE, 3500' 4" PE and 300' 2" PE main. This work is being completed due to the Tomahawk Rd Street Repair project by the county.	Johnson County	3769	\$10,154
134	Public Improvement	6/20/2023	3522	055	011258	Retire 3750' 6" BS, 3500' 4" BS, 300' 6" CS and 400' 4" CS main. Tomahawk Rd and Mission Ave, Mission Hills, KS. Install 5300' 6" PE, 3500' 4" PE and 300' 2" PE main. This work is being completed due to the Tomahawk Rd Street Repair project by the county.	Johnson County	3800	\$278,552
135	Public Improvement	6/20/2023	3522	055	011296	Retire 1800' 8" CS main. 103rd St and Antioch Rd, Overland Park, KS. Install 1900' 8" CS and 175' 12" CS main. This work is being done to relocate the main for the City of Overland Park's Brookridge Initial Perimeter Public Street Improvements (ST-2118).	City of Overland Park	3765	\$542,370
136	Public Improvement	6/20/2023	3522	055	011296	Retire 1800' 8" CS main. 103rd St and Antioch Rd, Overland Park, KS. Install 1900' 8" CS and 175' 12" CS main. This work is being done to relocate the main for the City of Overland Park's Brookridge Initial Perimeter Public Street Improvements (ST-2118).	City of Overland Park	3769	\$2,505

Line No.	Qualification	Unitization Date	Cost Center	Function	Job Order	Description	Government Entity	FERC	Addition
137	Public Improvement	6/20/2023	3522	055	011296	Retire 1800' 8" CS main. 103rd St and Antioch Rd, Overland Park, KS. Install 1900' 8" CS and 175' 12" CS main. This work is being done to relocate the main for the City of Overland Park's Brookridge Initial Perimeter Public Street Improvements (ST-2118).	City of Overland Park	3800	\$5,901
138	Public Improvement	6/20/2023	3531	055	010085	Retire 120' 2" PE main. Broadway St & Osage St, Leavenworth, KS. Install: 120' 2" PE main. There are two storm water improvement conflicts with the gas main on the Broadway St & Osage St Storm Water Improvement Project.	City of Leavenworth	3760	\$13,494
139	Public Improvement	6/20/2023	3541	055	010439	Install 10' 2" PE, 1300' 8" RPCS. Retire 65' 1-1/4 PE, 1154' 6" RPBS, 40' 2" RPBS, 125' 8" RPCS. 1526 NW Tyler St, Topeka KS. This is a government relocation project to move main ahead of the city's road and sewer improvement project from Paramore to Beverly.	City of Topeka	3765	\$333,210
140	Public Improvement	6/20/2023	3541	055	010439	Install 10' 2" PE, 1300' 8" RPCS. Retire 65' 1-1/4 PE, 1154' 6" RPBS, 40' 2" RPBS, 125' 8" RPCS. 1526 NW Tyler St, Topeka KS. This is a government relocation project to move main ahead of the city's road and sewer improvement project from Paramore to Beverly.	City of Topeka	3800	\$37,633
141	Public Improvement	6/20/2023	3721	055	010564	Government Relocation - I-135/ I-235 and I-135/K-96 Interchanges, Wichita - Retire 90' of 10" RPCS, 345' of 6" APCS, 405' of 2" APBS, 210' of 2" RPCS, and 330' of 2" PE main in conflict with KDOT's reconstruction of the above interchanges in The City of Wichita. Install 90' of 6" RPCS, 210' of 2" APCS, 730' of 4" PE, and 330' of 2" PE main.	KDOT	3760	\$30,175
142	Public Improvement	6/20/2023	3721	055	010564	Government Relocation - I-135/ I-235 and I-135/K-96 Interchanges, Wichita - Retire 90' of 10" RPCS, 345' of 6" APCS, 405' of 2" APBS, 210' of 2" RPCS, and 330' of 2" PE main in conflict with KDOT's reconstruction of the above interchanges in The City of Wichita. Install 90' of 6" RPCS, 210' of 2" APCS, 730' of 4" PE, and 330' of 2" PE main.	KDOT	3765	\$203,763
143	Public Improvement	6/20/2023	3721	055	010564	Government Relocation - I-135/ I-235 and I-135/K-96 Interchanges, Wichita - Retire 90' of 10" RPCS, 345' of 6" APCS, 405' of 2" APBS, 210' of 2" RPCS, and 330' of 2" PE main in conflict with KDOT's reconstruction of the above interchanges in The City of Wichita. Install 90' of 6" RPCS, 210' of 2" APCS, 730' of 4" PE, and 330' of 2" PE main.	KDOT	3769	\$1,998
144	Public Improvement	6/22/2023	3721	055	010567	Government Relocation - K-55 Line to Logan, Belle Plaine - Retire 190' of 4" RPCS, 130' of 3" RPBS, 75' of 2" RPCS, 677' of 2" RPBS/APBS, and 225' of 2" PE main in conflict with new storm sewer during KDOT's Street Improvements to K-55 project within the City of Belle Plaine. Install 305' of 4" RPCS and 760' of 2' PE main.	KDOT	3760	\$72,834
145	Public Improvement	6/22/2023	3721	055	010567	Government Relocation - K-55 Line to Logan, Belle Plaine - Retire 190' of 4" RPCS, 130' of 3" RPBS, 75' of 2" RPCS, 677' of 2" RPBS/APBS, and 225' of 2" PE main in conflict with new storm sewer during KDOT's Street Improvements to K-55 project within the City of Belle Plaine. Install 305' of 4" RPCS and 760' of 2' PE main.	KDOT	3765	\$90,509
146	Public Improvement	6/22/2023	3721	055	010567	Government Relocation - K-55 Line to Logan, Belle Plaine - Retire 190' of 4" RPCS, 130' of 3" RPBS, 75' of 2" RPCS, 677' of 2" RPBS/APBS, and 225' of 2" PE main in conflict with new storm sewer during KDOT's Street Improvements to K-55 project within the City of Belle Plaine. Install 305' of 4" RPCS and 760' of 2' PE main.	KDOT	3769	\$1,112
147	Public Improvement	6/22/2023	3721	055	010567	Government Relocation - K-55 Line to Logan, Belle Plaine - Retire 190' of 4" RPCS, 130' of 3" RPBS, 75' of 2" RPCS, 677' of 2" RPBS/APBS, and 225' of 2" PE main in conflict with new storm sewer during KDOT's Street Improvements to K-55 project within the City of Belle Plaine. Install 305' of 4" RPCS and 760' of 2' PE main.	KDOT	3800	\$35,657
148	Public Improvement	6/22/2023	3721	055	010567	Government Relocation - K-55 Line to Logan, Belle Plaine - Retire 190' of 4" RPCS, 130' of 3" RPBS, 75' of 2" RPCS, 677' of 2" RPBS/APBS, and 225' of 2" PE main in conflict with new storm sewer during KDOT's Street Improvements to K-55 project within the City of Belle Plaine. Install 305' of 4" RPCS and 760' of 2' PE main.	KDOT	3820	\$1,823
149	Public Improvement	6/22/2023	3721	055	010567	Government Relocation - K-55 Line to Logan, Belle Plaine - Retire 190' of 4" RPCS, 130' of 3" RPBS, 75' of 2" RPCS, 677' of 2" RPBS/APBS, and 225' of 2" PE main in conflict with new storm sewer during KDOT's Street Improvements to K-55 project within the City of Belle Plaine. Install 305' of 4" RPCS and 760' of 2' PE main.	KDOT	3830	\$5,015
150	Public Improvement	6/22/2023	3721	055	010570	Government Relocation - N Olive St & W High St, Leon - Retire 200' of 2" RPCS main in conflict with The City of Leon's plans to address drainage issues with the installation of a new storm drain. Lower and install 200' of 2" RPCS main.	City of Leon	3800	\$6,989
151	Public Improvement	7/5/2023	3522	055	011264	Retire 395' 6" CS, 325' 4" PE, 78' 2" CS and 36' 4" CS main. 95th St & Loiret, Lenexa, KS. Install 380' 6" PE and 475' 4" PE main. This work is done to avoid conflicts with a street improvement project. The city of Lenexa is adding two turn lanes at the 95th and Loiret intersection and is in conflict with KGS facilities.	City of Lenexa	3760	\$199,073
152	Public Improvement	7/5/2023	3522	055	011279	Retire: 587' 4" BS main. 55th St & Farley St, Merriam, KS. Install: 600' 4" PE main. The city of Merriam is constructing a mill and overlay project along 55th St from Switzer Rd to Merriam Rd. There is BS main along this entire stretch that will be replaced.	City of Merriam	3760	\$58,362
153	Public Improvement	7/5/2023	3522	055	011279	Retire: 587' 4" BS main. 55th St & Farley St, Merriam, KS. Install: 600' 4" PE main. The city of Merriam is constructing a mill and overlay project along 55th St from Switzer Rd to Merriam Rd. There is BS main along this entire stretch that will be replaced.	City of Merriam	3800	\$32,876
154	Public Improvement	7/5/2023	3522	055	011290	Retire 45' 2" CS, 15' 2" BS, 275' 1-1/4" PE and 500' 4" BS main. 53rd and Buena Vista, Roeland Park, KS. Install 515' 4" PE and 350' 2" PE main. This work is being done to replace mains within the City of Roeland Park's 53rd and Buena Vista Road Improvement Project. The mains are under the road of pavement that is being replace by the city.	City of Roeland Park	3760	\$123,060
155	Public Improvement	7/5/2023	3522	055	011290	Retire 45' 2" CS, 15' 2" BS, 275' 1-1/4" PE and 500' 4" BS main. 53rd and Buena Vista, Roeland Park, KS. Install 515' 4" PE and 350' 2" PE main. This work is being done to replace mains within the City of Roeland Park's 53rd and Buena Vista Road Improvement Project. The mains are under the road of pavement that is being replace by the city.	City of Roeland Park	3769	\$3,710
156	Public Improvement	7/5/2023	3522	055	011290	Retire 45' 2" CS, 15' 2" BS, 275' 1-1/4" PE and 500' 4" BS main. 53rd and Buena Vista, Roeland Park, KS. Install 515' 4" PE and 350' 2" PE main. This work is being done to replace mains within the City of Roeland Park's 53rd and Buena Vista Road Improvement Project. The mains are under the road of pavement that is being replace by the city.	City of Roeland Park	3800	\$95,492
157	Public Improvement	7/5/2023	3541	055	010458	Install 175' 2" PE. Retire 150' 2" PE. SE Market St and 5th, Topeka KS. This is a government relocation project to move facilities in conflict with the city's upcoming road improvement project.	City of Topeka	3760	\$24,625
158	Public Improvement	7/5/2023	3542	055	010024	Install 100' 2" PE. Retire 100' 2" PE. Highland St and 14th Ave, Emporia KS. This project is a government relocation project ahead of a road replacement project.	City of Emporia	3760	\$3,247
									\$10,750,330

Blanket Service Line Summary

Sum of Extended Costs		
Replacement Reason	July 2022 - June 2023	
	Cost	Line Installed
Routine Replacement - Leak - 192.703	\$ 1,331,124	400
Routine Replacement - Non Leaking Unprotected Pipe	\$ 27,078,396	8,137
Public Improvement	\$ 79,867	24
Grand Total	\$ 28,489,387	8,561

Non Service Line Related Blanket Summary

Other Blanket Costs	July 2022 - June 2023	
	Cost	
Install Anodes	\$ 677,446	
Weld sleeve high resist couplings	\$ 349,995	
Meter Blanket	\$ 11,057,844	
Meter Blanket - AMR	\$ 2,334,287	
Total	\$ 14,419,572	

Line No.'s 1-4 3-5-3 Projects

Pursuant to 192.613(b): Each of these projects had protected bare steel mains which had 3 leaks or more in 3 years.

Line No. 442 Project 051.053.3641.010205 Continuing Surveillance Project- Saline.

Main Replacement - Seitz & Glenn, Salina - Retire 85' of 2" CS main exposed in drainage ditch. Install 60' of 2" PE main at a greater depth.

Line No. 443 Project 051.054.3541.010734 Continuing Surveillance Project- Shawnee County.

Install 45' 4" RPCS. Retire 45' 4" RPCS. 2210 SW Fairlawn Rd, Topeka KS. This project is to replace main due to a grade 1 leak that was discovered on a 4" steel gate valve in the rear easement behind 2210 SW Fairlawn Rd.

Line No.'s 444-445 Project 051.044.3685.010153 Continuing Surveillance Project- Stafford County.

Line P0298 to Macksville – Replacement of 0.5 miles of 1932 vintage bare steel pipe because of insufficient MAOP documentation. The newly installed pipe will be TVC compliant.

Line No. 446 Project 051.044.3685.010147 Continuing Surveillance Project – Stafford County

Survey work, right-of-way purchase & permitting, - Line P0298 to Macksville - survey work, exhibit drawings for right-of-way purchase, route drawings, and profiles needed for the proposed replacement of 0.5 miles of 1932 vintage bare steel pipe with insufficient MAOP documentation.

Line No's. 447-449 Project 051.054.3721.012728 Continuing Surveillance Project- Sedgwick.

Main Replacement - 1230 Mt. Carmel, Wichita - Retire 5' of 2" CS main to permanently repair a temporarily repaired leaking coupling. Install 5' of 2" PE main.

Line No's. 450-451 Project 051.054.3721.012790 Continuing Surveillance Project- Harper County

Main Replacement - 16th & Central, Harper - Retire 20' of 4" RPCS and 10' of 2" RPCS main due to grade 3 leak from coupling on inlet leg of DRS and leak on inlet remote valve. Install 20' of 4" RPCS and 10' of 2" RPCS main.

Line No. 452 Project 051.054.3622.010328 Continuing Surveillance Project- Pratt County.

BS Main Replacement - Lake Rd & Country Club Rd, Pratt - Retire 35' of exposed, 2" BS main. Install 42' of 2" CS main.

Line No. 453 Project 051.044.3612.010369 Continuing Surveillance Project- McPherson County.

Anomaly Repair - McPherson - Repair multiple anomalies with pipe wall loss found during a 2018 inspection on line P1605. New reinforcement sleeves were welded over the anomalies to complete the repairs.

Line No's. 454-455 Project 051.054.3641.010412 Continuing Surveillance Project- Saline County.

BS Main Replacement - 3rd & Elm, Salina - Retire 160' of 2" CS and 240' of 2" BS main due to shallow depth of only 3". Install 400' of 2' PE main.

Line No. 456 Project 051.053.3521.010205 Continuing Surveillance Project- Miami County.

This project replaced 30' of leaking (grade 3 leak), 2" coated steel pipe containing four couplings of which one produced the leak.

Line No.'s 457-458 Project 051.053.3631.010243 Continuing Surveillance Project – McPherson
Main Replacement - 779 Cherokee, Inman - Retire 141' of 2" APCS main due to grade 3 leak on existing
main segment. Install 130' of 2" PE main.

Line No. 459 Project 051.053.3522.011994 Continuing Surveillance Project – Johnson County
W 75th & Monticello Rd, Shawnee, KS. Install: 50' 2" PE at standard depth. Remove: 50' of unlocatable
2" PE main found to be 3 inches deep.

Line No. 460 Project 051.054.3761.010354 Continuing Surveillance Project- Crawford County.
Main Replacement - 902 E Centennial, Pittsburg - Retire 35' of 4" APCS main to permanently repair a
temporarily repaired leaking coupling. Install 40' of 4" APCS and 15' of 2" APCS main.

Line No. 461 Project 051.054.3631.010446 Continuing Surveillance Project- Reno County.
Service Line Replacement - 1500 E 11th Ave, Hutchinson - Retire 21' of CS service line due to a corrosion
deficiency on steel service line. Install 21' of 1.25" PE service line.

Line No. 462 Project 051.054.3631.010447 Continuing Surveillance Project- Reno County.
Service Line Replacement - 1500 E 11th Ave #A1, Hutchinson - Retire 13' of 2" CS service line due to
corrosion deficiency. Install 13' of 1.25" PE service line.

Line No. 463 Project 051.054.3741.010507 Continuing Surveillance Project- Cowley County.
Main Replacement - 6342 312th Rd, Arkansas City - Retire 290' of 2" RPCS main exposed is in creek.
Install 200' of 2" RPCS main at proper depth.

Line No. 464 Project 051.054.3522.011637 Continuing Surveillance Project - Johnson County.
8929 Grandview Dr, Overland Park, KS – Replace 3' of 2" APCS with 6' of 2" APCS in order to
permanently repair leak that was temporarily repaired via tightening a coupling.

Line No. 465 Project 051.054.3522.011681 Continuing Surveillance Project – Wyandotte County
2108 N 64th Terr, Kansas City, KS - Replacement is to clear grade 2 leaks on gate valves at the NW
corner, as well as leak on dressers found at the SW corner. Pipe wall is too thin to weld to so a pumpkin
is not possible. Install: 160' 2" PE. Abandon: 145' 2" APCS.

Line No. 466 Project 051.053.3522.012180 Continuing Surveillance Project- Johnson County.
87th St Pkwy & Alden Ln, Lenexa, KS - Install 30' 8" CS main. Retire 30' 8" CS main to fix a 3-way tee that
is leaking and needs replaced.

Line No.'s. 467-468 Project 051.054.3721.012838 Continuing Surveillance Project- Sedgwick County.
CS Main Replacement - Esthner & S 151st St W, Wichita - Retire 125' of 2" CS main to eliminate a
shorted casing. Install 125' of 2" PE main.

Line No.'s 469-471 Project 051.053.3643.010028 Continuing Surveillance Project- Cloud County.
Main Replacement - 2nd Ave & 8th St, Concordia - Retire 112' of 1.25" CS main due to shallow pipe
depth, 8" deep. Install 112' of 2" PE main. Worked in conjunction with two BS service lines in the same
area.

Line No. 472 Project 051.046.3685.010223 Continuing Surveillance Project- Reno County.
Pier Modification - Yaggy Storage Field - Modify 11 piers by removing hold down clamps, dis-bonded fiberglass reinforced plastic shields and concrete from around the pipe to allow for corrosion inspections and eliminates the opportunity for moisture to sit between the pipe and the concrete pier. New pipe supports installed.

Line No. 473 Project 051.054.3522.011676 Continuing Surveillance Project- Wyandotte.
8045 Rowland Ave - KCK – Permanent repair leak temporarily repaired via tightening loose service tee. Install: 50' 4" CS MAIN. Retire: 40' 4" CS MAIN. Install new 4" CS MAIN.

Line No.'s 474-477 Project 051.054.3651.010168 Continuing Surveillance Project- Riley County.
401 Houston - Manhattan, KS - Install: 200' of 2" PE. Retire: 160' of 4" APCS, 40' of 2" APCS. To fix an existing Grade II leak on the 2" APCS main south of 401 Houston in Manhattan, KS.

Line No. 478 Project 051.044.3685.010161 Continuing Surveillance Project- Pawnee County.
Replace ½ mile of line P0420 near Larned KS to replace 4" coated steel from 1956 with insufficient MAOP documentation and coating anomalies.

Line No.'s 479-480 Project 051.053.3653.010126 Continuing Surveillance Project- Marshall County.
Wolf Creek - 1089 21st Terrace - Beattie, KS - Install: 200' of 2" PE. Retire: 160' of 4" APCS. Replace exposed 4" APCS main in the middle of Wolf Creek that is running N along 21st Terrace just south of Beattie. This 4" APCS needs to be replaced immediately as it is the main feed for the city. This will be replaced with 2" PE.

Line No. 481 Project 051.046.3612.010129 Continuing Surveillance Project- McPherson County.
MAOP Reconfirmation - Line P0622 McPherson Power Plant - Conduct pipe samplings in four dig areas to confirm NDT for 3 fittings, determine MAOP, and gather accurate documentation.

Line No. 482 Project 051.054.3522.011638 Continuing Surveillance Project- Johnson County.
5801 W 86th Ter, Overland Park, KS - Install 60' 2"CS main. Retire 60' 2" CS main to eliminate the BS service line tap under a tree that is being replaced with a plastic service line.

Line No. 483 Project 051.044.3685.010159 Continuing Surveillance Project- Pawnee County.
Survey work, right-of-way purchase & permitting necessary to replace line P0420 near Larned KS to replace 4" coated steel from 1956 with insufficient MAOP documentation and coating anomalies.

Line No. 484 Project 051.043.3612.010175 Continuing Surveillance Project- Pottawatomie County.
Exposure Remediation - Line P0818 to Wamego Mile Post 3.9-8.9 - Retire 4,500' of 8" transmission pipe due to multiple pipe exposures from erosion near 3 creek crossings. Install 4,500' of 8" transmission pipe at a lower depth.

Line No.'s 485-486 Project 051.044.3612.010384 Continuing Surveillance Project – Riley County
Transmission Pipe Replacement - Line P0818 to Wamego MP 3.0-3.2 - Retire 1,500' of 8", 1956 vintage, transmission pipe with inadequate records and thin wall thickness. Install 1,500' of 8" 0.250 WT X52 ARO steel transmission pipe to make the river crossing TVC compliant.

Line No. 487 Project 051.043.3612.010169 Continuing Surveillance Project- Pottawatomie County Survey work, right-of-way purchase, and permitting, - line P0818 to Wamego Mile Post 3.6 to Mile Post 8.6 - survey work, exhibit drawings for row purchase, route drawings, and profiles needed for the proposed replacement of 2,000' of pipe replacement for line P0818.

Line No. 488 Project 051.044.3612.010382 Continuing Surveillance Project – Washington County Transmission Pipe Replacement - Line P0295 to Linn,KS - Retire 0.6 miles of 2" CS transmission pipe due to insufficient material and grade documentation from the 1960's and 1970's. Install 0.27 miles of 2" CS transmission pipe.

Line No. 489 Project 051.054.3721.012874 Continuing Surveillance Project- Sedgwick County Main Replacement - 301 N Goddard, Goddard - Retire 15' of 2" CS main to permanently repair a temporarily repaired leaking coupling. Install 20' of 2" PE main.

**BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS**

In the Matter of the Petition of Kansas Gas)
Service, A Division of ONE Gas, Inc. for)
Approval By The Commission for a Gas System) DOCKET NO. 24-KGSG-____-TAR
Reliability Surcharge Per K.S.A.)
66-2201 through 66-2204.)

**DIRECT TESTIMONY
OF
ANDREW STEVEN COPELAND
ON BEHALF OF
KANSAS GAS SERVICE
A DIVISION OF ONE GAS, INC.**

AUGUST 28, 2023

DIRECT TESTIMONY
OF
ANDREW STEVEN COPELAND
KANSAS GAS SERVICE
DOCKET NO. 24-KGSG-___-TAR

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is Andrew Steven Copeland, and my business address is 15 East Fifth
3 Street, Tulsa, OK 74103.

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 A. I am employed by ONE Gas, Inc. ("ONE Gas") and I am the Manager of Cybersecurity.

6 **Q. PLEASE STATE YOUR EDUCATIONAL BACKGROUND AND BUSINESS**
7 **EXPERIENCE.**

8 A. My educational background is focused on Cybersecurity. I received a Bachelor of
9 Technology in Information Technologies from Oklahoma State University in 2016. This
10 bachelor's degree was with emphasis in Information Assurance and Forensics.
11 Additionally, in 2019 I became an ISC² Certified Information Systems Security
12 Professional (CISSP).

13 I have 7 years of business experience as a Cybersecurity professional. As the
14 manager of Cybersecurity at ONE Gas, I am responsible for overseeing Cybersecurity
15 operations, incident response, Cybersecurity architecture, and Cybersecurity
16 regulations. Prior to this role I was a security analyst on the same team. Preceding my
17 employment at ONE Gas, I was a Network Security Engineer for Peak UpTime, a
18 managed services company providing IT and cybersecurity configuration and support
19 to small- and medium-sized businesses.

1 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THIS COMMISSION?**

2 A. I have not.

3 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

4 A. The purpose of my testimony is to support the eligibility of cybersecurity investments
5 by Kansas Gas Service (“KGS” or “Company”), a Division of ONE Gas, for inclusion
6 in the proposed Gas System Reliability Surcharge (“GSRS”).

7 **Q. ARE YOU SPONSORING ANY EXHIBITS?**

8 A. Yes. I am sponsoring exhibit ASC-1.

9 **Q. CAN YOU PROVIDE SOME BACKGROUND INFORMATION REGARDING**
10 **INCLUDING CYBERSECURITY PROJECTS IN KGS’S GSRS?**

11 A. In 2018, the Kansas Legislature passed Senate Bill 279, which amended the Gas
12 Safety and Reliability Policy Act, K.S.A. 66-2201 through 66-2204. In addition to other
13 changes, Senate Bill 279 added “system security costs” as a type of infrastructure
14 investment eligible for recovery using a GSRS. Specifically, this category of “natural
15 gas utility plant projects” eligible for recovery through a GSRS was codified in K.S.A.
16 66-2202(f)(4). In addition, K.S.A. 66-2202(i) defines “system security” as:

17 capital expenditures to protect a utility's capital assets, including
18 both physical assets and cyber assets, such as networks,
19 computers, servers, operating systems, storage, programs and
20 data, from attack, damage or unauthorized use and access.

21 **Q. WHAT IS THE FOCUS OF YOUR TESTIMONY?**

22 A. My testimony focuses on the protection of cyber assets. Company witness, Mr. Jordan
23 Robl discusses the inclusion of system security as it relates to KGS’s physical assets.

24 **Q. CAN YOU PLEASE EXPLAIN WHAT IS MEANT BY CYBERSECURITY**
25 **INVESTMENTS?**

1 A. Cybersecurity investments are capital expenditures that are used on software or
2 technology platforms that provide security control. These security controls have been
3 procured to reduce or eliminate a security gap or to reduce or augment cybersecurity
4 staffing requirements. As used in this testimony, all cybersecurity investments provide
5 security control for either the Supervisory Control and Data Acquisition (“SCADA”) gas
6 control network, the Industrial Control System (“ICS”) electronic systems, or underlying
7 system components used to support KGS’s natural gas system.

8 **Q. ARE YOU SPONSORING ANY SPECIFIC JOB ORDERS?**

9 A. Yes, I am sponsoring Job Orders: 010095, 010289, 010296, 010297, 010320, 010328,
10 and 010352. For reference, the ordering of Job Orders in my testimony is designed to
11 mirror the order presented in exhibit ASC-1.

12 **Q. PLEASE DISCUSS JOB ORDER 010095.**

13 A. Job order 010095 focused on replacing an end-of-life load balancer system that was
14 internet-facing with a newer updated system to remove a gap presented by the vendor
15 no longer supplying vulnerability patching.

16 **Q. PLEASE DISCUSS JOB ORDER 010289.**

17 A. Job order 010289 is part of an effort to replace the end-of-life embedded system field
18 tools that used Windows CE and cannot be patched for security vulnerabilities. This
19 effort is in support of migrating to a cloud mobile app on a supported Android device
20 which is managed under a mobile endpoint platform.

21 **Q. PLEASE DISCUSS JOB ORDER 010296.**

22 A. Job order 010296 upgraded an outdated core integration platform that services many
23 core systems used by ONE Gas. This job order included updating critical components
24 to leverage new capabilities, patch vulnerabilities, and stay current with the vendor’s
25 support.

1 **Q. PLEASE DISCUSS JOB ORDER 010297.**

2 A. Job order 010297 is part of an effort to upgrade the field mobile app used for natural
3 gas measurement to ensure continued support for security patching and compliance
4 with vendor support.

5 **Q. PLEASE DISCUSS JOB ORDER 010320.**

6 A. Job order 010320 focused on replacing an end-of-life passive packet capture security
7 networking system with a newer updated system that provided security patching and
8 support with the vendor. This system provides security information to an intrusion
9 detection platform along with our operational technology platforms that monitor the
10 natural gas control systems for malicious attacks.

11 **Q. PLEASE DISCUSS JOB ORDER 010328.**

12 A. Job order 010328 (which is also tied to the job order 010297) is part of an effort to
13 upgrade the field mobile app used for natural gas measurement to ensure continued
14 support for security patching and compliance with vendor support.

15 **Q. REGARDING JOB ORDERS: 010095, 010289, 010296, 010297, 010320, and**
16 **010328, YOU DISCUSSED THE NEED FOR PATCHING AND VENDOR SUPPORT.**
17 **CAN YOU EXPAND ON THE IMPORTANCE OF THESE ITEMS?**

18 A. Yes. Put simply, systems which are no longer supported by their vendors, or are not
19 able to be patched for security vulnerabilities, put KGS at increased risk of
20 cybersecurity incidents. Once an asset reaches its end-of-life state where it no longer
21 receives vendor support or security patches, it presents a cyber security concern which
22 KGS must address. The work performed in Job Orders 010095, 010289, 010296,
23 010297, 010320, and 010328, addresses this concern.

24 **Q. PLEASE DISCUSS JOB ORDER 010352.**

1 A. Job order 010352 upgraded the on-premises measurement application system used
2 to read new meter devices for rotary, ultrasonic, and orifice plate meters. The upgrade
3 makes the application compliant with the latest version and provides security
4 protections to field remote terminal units and programmable logic controllers by
5 allowing those devices to have more secure passwords versus simple pin codes.

6 **Q. ARE ALL COSTS RELATED TO THESE CYBERSECURITY PROJECTS BEING**
7 **INCLUDED FOR RECOVERY?**

8 A. No. The GSRS legislation, K.S.A 66-2202(f)(4), allows for the recovery of corporate
9 allocated system security costs. Job Orders 010095, 010289, 010296, 010297,
10 010320, 010328, and 010352 are investments at the corporate level. KGS has only
11 included in this filing the amount of investment that was allocated to KGS.

12 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

13 A. Yes, it does at the current time.

VERIFICATION

STATE OF OKLAHOMA)
) ss.
COUNTY OF TULSA)

Andrew Steven Copeland, being duly sworn upon his oath, deposes and states that he is Manager for Cyber Security for ONE Gas, Inc.; that he has read and is familiar with the foregoing Direct Testimony filed herewith; and that the statements made therein are true to the best of his knowledge, information, and belief.



Andrew Steven Copeland

Subscribed and sworn to before me this 22 day of August 2023.





NOTARY PUBLIC

My appointment Expires:

October 25, 2025

Line No.	GSRS Qualification	Company	Unitization Date	Cost Center	Function	Job Order	Description	FERC Account Number	Cost
1	Cyber Security	101 ONE Gas, Inc.	10/26/2022	1502	100	010095	NETSCALER MIGRATION 2020 - Migrating application load balancing services from end of life units to new units and minimize the timeframe required to do so. ONE Gas Enterprise Security has determined continuing to utilize the end of life units presents a high degree of risk. The manufacturer may not produce/release patches or fixes for security vulnerabilities identified in the future.	39160	\$34,567
4	Cyber Security	101 ONE Gas, Inc.	9/27/2022	1502	101	010289	ITRON FIELD TOOLS - ONE Gas meter techs currently use Itron FC300 handheld devices to read meters and set meter devices. Itron will be dropping support for the FC300 after 2021. The Itron Field Tools project will deploy the Itron Field Tools and Itron Mobile application on smartphones and deploy Itron Mobile Radios (IMRs) that will allow the smartphones to upload meter reads to the Itron cloud via Bluetooth.	39180	\$277,535
5	Cyber Security	101 ONE Gas, Inc.	10/31/2022	1502	101	010296	TIBCO COMPONENT UPGRADE 2021 PHASE 1 - Evolve and maintain the enterprise integration environment by updating critical components to leverage new capabilities, patch vulnerabilities, and stay current with TIBCO support	39160	\$61,588
6	Cyber Security	101 ONE Gas, Inc.	9/27/2022	1502	101	010297	ITRON FCS/MOBILE UPGRADE WITH 500G ERTS - Upgrade the Itron Field Collection System (FCS) and the Itron Mobile software to ensure continued vendor support. Itron FCS will move from version 4.4 to 4.5.1 Itron Mobile will move from version 2.8 to 3.2. Itron will discontinue support for Itron Mobile v2.8 in January of 2022, and these upgrades will ensure that Itron will continue to provide support to ONE Gas. The upgrade will add a communication server that will prevent platform overload and increase interface performance.	39160	\$4,065
9	Cyber Security	101 ONE Gas, Inc.	2/2/2023	1502	101	010320	GIGAMON HARDWARE REPLACEMENT 2021 - Replaces the end-of-life Gigamon equipment that was purchased in 2014. This ensures compliance of TSA SD2 OT items, visibility of malicious traffic, and eliminates outages created by End-of-Life hardware failing.	39180	\$111,440
10	Cyber Security	101 ONE Gas, Inc.	7/5/2023	1502	101	010328	ITRON FCS MOBILE UPGRADE 2022 - Upgrade the Itron Field Collection System (FCS) and the Itron Mobile software to ensure continued vendor support. Itron FCS will move from version 4.4 to 4.5.1 Itron Mobile will move from version 2.8 to 3.2. Itron will discontinue support for Itron Mobile v2.8 in January of 2022, and these upgrades will ensure that Itron will continue to provide support to ONE Gas.	39160	\$10,683
11	Cyber Security	101 ONE Gas, Inc.	3/28/2023	1502	101	010352	AUTOSOL ACM VERSION 9 UPGRADE - The AutoSOL ACM upgrade project will provide the ability to read the new meter devices for rotary, ultrasonic, and orifice plate meters. The upgrade will make AutoSOL ACM compliant with the latest version and provide better access to field RTUs with longer passwords.	39160	\$15,737
Corporate Cybersecurity Subtotal									\$515,616
2022 Q3 KGS Distrigas									30.48%
Allocated Total									<u>\$157,160</u>

**BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS**

In the Matter of the Petition of Kansas Gas)
Service, A Division of ONE Gas, Inc. for)
Approval By The Commission for a Gas) DOCKET NO. 24-KGSG-___-TAR
System Reliability Surcharge Per K.S.A. 66-)
2201 through 66-2204.)

**DIRECT TESTIMONY
OF
LORNA M. EATON
ON BEHALF OF
KANSAS GAS SERVICE
A DIVISION OF ONE GAS, INC.**

AUGUST 28, 2023

DIRECT TESTIMONY

OF

LORNA M. EATON

KANSAS GAS SERVICE

DOCKET NO. 24-KGSG-___-TAR

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is Lorna M. Eaton. My business address is 7421 West 129th Street,
3 Overland Park, Kansas, 66213.

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 A. I am employed by Kansas Gas Service, a Division of ONE Gas, Inc., (“Kansas Gas
6 Service” or the “Company”), as a Manager in the Rates and Regulatory Department.

7 **Q. PLEASE STATE YOUR EDUCATIONAL BACKGROUND AND BUSINESS
8 EXPERIENCE.**

9 A. I began my employment with Kansas Gas Service in 2000, as an Accountant in the
10 General Accounting Department and moved to the Financial Planning Department as
11 a Budget Analyst. In 2010, I joined the Rates and Regulatory Department as a Rates
12 Analyst and began my current position in June 2015. I earned a Bachelor of Science
13 degree in Geology from Kansas State University.

14 **Q. WAS THIS TESTIMONY PREPARED BY YOU OR UNDER YOUR DIRECT
15 SUPERVISION?**

16 A. Yes, it was.

17 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THIS COMMISSION?**

18 A. Yes. I have provided written testimony on numerous occasions.

19 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

1 A. The purpose of my testimony is to support the calculation of the Gas System Reliability
2 Surcharge (“GSRS”) revenue requirement, the allocation of relevant costs to customer
3 classes, the development and design of GSRS rates, and the revised GSRS tariff rider.

4 **Q. ARE YOU SPONSORING ANY EXHIBITS?**

5 A. Yes. I am sponsoring Exhibits LME-1 through LME-7.

6 **Q. PLEASE EXPLAIN THE APPLICABLE GSRS REVENUE RATE PARAMETERS**
7 **CONTAINED IN THE GSRS STATUTE.**

8 A. K.S.A. 66-2203, as amended, provides parameters for GSRS filings. Pursuant to this
9 statute, the Commission may not approve a GSRS filing if it would produce annualized
10 revenues below the lesser of \$1,000,000 or ½% of the most recent base revenue
11 approved in the utility’s most recent general rate proceeding. The most recent general
12 rate proceeding for Kansas Gas Service was 18-KGSG-560-RTS (“560 Docket”). The
13 base revenue authorized for Kansas Gas Service in the 560 Docket was
14 \$318,875,695, resulting in a GSRS ½% threshold of \$1,594,378. Thus, the statutory
15 “floor” for Kansas Gas Service in a GSRS filing until Kansas Gas Service’s next
16 general base rate proceeding is completed is \$1,000,000. Exhibit LME-1 establishes
17 the Kansas Gas Service GSRS Revenue Requirement at \$34,998,156, thus meeting
18 the minimum threshold.

19 Similarly, the maximum annualized GSRS revenues contemplated by the
20 statute are capped at 20% of the most recent base revenue approved in the utility’s
21 most recent general rate proceeding. Based on the outcome of the 560 Docket, the
22 GSRS recovery “ceiling” for Kansas Gas Service is currently \$63,775,139. Again, the
23 requested GSRS revenue falls well within the parameters established in the statute.
24 Further, K.S.A. 66-2204 provides a “rate” ceiling of \$0.80 per month, per filing, by
25 which the residential GSRS rate may increase in any GSRS filing. Exhibit LME-6 sets

1 forth the incremental residential GSRS charge of \$0.80 per month, after a reduction to
2 the revenue requirement that adjusts the residential rate to the maximum incremental
3 increase.

4 **Q. WERE ANY OF THE COSTS INCLUDED WITHIN THIS GSRS REQUEST ALSO**
5 **CONTAINED IN RATE BASE WITHIN THE 560 DOCKET?**

6 A. No.

7 **Q. PLEASE IDENTIFY THE ASPECTS OF THE GSRS CALCULATION.**

8 A. The GSRS application contains the following elements:

- 9 1. Calculation of the over/under recovery of the previously authorized GSRS
10 revenue, based upon actual GSRS revenue recorded through June 2023 and
11 estimated through November 2023, plus a true-up of the estimated revenue
12 from September 2022 – November 2022 included in 23-KGSG-281-TAR (“281
13 Docket”);
- 14 2. The inclusion of system investment projects and government relocation
15 expenditures placed in service after September 1, 2018, and unitized during
16 the period July 1, 2022, through June 30, 2023. Company witness Mr. Jordan
17 Robl will discuss these projects;
- 18 3. The inclusion of blanket work orders involving the replacement of service lines,
19 mains, and meters placed in service and unitized during the period between
20 July 1, 2022, and June 30, 2023. Company witness Mr. Jordan Robl will
21 discuss these projects; and
- 22 4. The inclusion of cyber security projects that were placed in service after
23 September 1, 2018, and unitized between July 1, 2022, and June 30, 2023.
24 Company witness Mr. Andrew Copeland will discuss these projects.

1 **Q. COULD YOU PLEASE EXPAND ON THE CUTOFF DATE USED TO DETERMINE**
2 **GSRs ELIGIBLE PROJECTS?**

3 A. Projects included in this filing were those that were both in service and unitized prior
4 to closing the Company's plant accounting records for June 2023. "Unitization," as
5 used in this filing, refers to the accounting process by which project costs are
6 accumulated and amounts are assigned to FERC accounts. Due to the accounting
7 tasks necessary to finalize a project, the unitization date occurs after a project is in
8 service.

9 **Q. PLEASE PROVIDE AN EXPLANATION OF EXHIBIT LME-1.**

10 A. Exhibit LME-1 summarizes the components of the GSRs Revenue Requirement
11 calculation. The calculation methods and components align with those required in
12 K.S.A. 66-2204 sections (d)(1) through (8), as amended. As shown on Line 13, the
13 total GSRs Revenue Requirement is \$34,998,156. The revenue requirement
14 identified in Exhibit LME-1 incorporates all the aspects of the GSRs calculation as
15 discussed above.

16 **Q. HOW DID YOU DETERMINE THE CARRYING CHARGE FOR CALCULATING THE**
17 **GSRs REVENUE REQUIREMENT?**

18 A. The Stipulated Settlement Agreement approved by the Commission in the 560 Docket
19 sets forth the provisions for the carrying charge to be applied to recoverable
20 investments for Kansas Gas Service's GSRs filing. In Senate Substitute for House
21 Bill No. 2585, utilities became exempt from Kansas income tax as of January 1, 2021.
22 As a result of this change, Kansas Gas Service recalculated the carrying charge in
23 Docket No. 21-KGSG-094-TAR ("094 Docket") to reflect the reduction in income taxes.
24 This revised return of 8.6012% was used in the calculation of the revenue requirement
25 in the current filing, as shown on Exhibit LME-1.

1 **Q. PLEASE EXPLAIN THE PURPOSE OF EXHIBIT LME-2.**

2 A. Exhibit LME-2 summarizes the authorized GSRS revenue approved by the
3 Commission in the 281 Docket, coupled with a small adjustment related to project
4 010130, compared to the actual revenues generated from December 2022 through
5 June 2023, plus the estimated GSRS revenue for the period of July through November
6 2023. As shown on Line 16, of Exhibit LME-2, the revenue recovered from Kansas
7 Gas Service's GSRS charge exceeds the authorized GSRS recoveries by \$651,977.
8 The over-recovery is used to reduce the proposed GSRS charges as shown on Line
9 10 of LME-1.

10 **Q. LINE 14 OF LME-2 SHOWS A REDUCTION FROM THE APPROVED REVENUE**
11 **REQUIREMENT FOR PROJECT 010130. WHAT DOES THIS REDUCTION**
12 **REPRESENT?**

13 A. During the preparation of the schedules for this GSRS filing, KGS discovered that
14 project 010130, submitted in the 281 Docket, did not contain a reduction of the project
15 costs for a reimbursement the Kansas Department of Transportation was due to remit
16 to KGS. While KGS has not received the reimbursement at the time of this filing, it is
17 appropriate to reduce the project costs to reflect the anticipated reimbursement. If the
18 reimbursement had been included in the 281 Docket revenue requirement calculation,
19 the resultant revenue requirement would have been reduced by \$5,448. Line 14
20 reduces the revenue requirement by this amount to reflect the update of the project
21 costs and its impact on the 281 Docket revenue requirement.

22 **Q. PLEASE EXPLAIN EXHIBIT LME-3.**

23 A. Exhibit LME-3 identifies the GSRS Gross and Net Plant in Service by FERC account
24 for GSRS eligible expenditures, further classified by category of GSRS expenditure.

1 GSRs eligible projects are identified in K.S.A. 66-2202 sections (f)(1) through (5), as
2 amended, and are discussed in greater detail in the testimonies of Company witness
3 Mr. Robl and Company witness Mr. Copeland. Column (B) identifies the GSRs
4 expenditures that were approved in 20-KGSG-090-TAR ("090 Docket"), Column (C)
5 identifies the GSRs expenditures that were approved in the 094 Docket, Column (D)
6 identifies the GSRs expenditures that were approved in the 112 Docket, Column (E)
7 identifies the GSRs expenditures that were approved in the 281 Docket, Column (F)
8 identifies the proposed GSRs expenditures that relate to allocated cyber security
9 projects, Column (G) identifies the proposed safety and governmental relocation
10 projects, and Column (H) identifies the proposed blanket GSRs expenditures.
11 Accumulated Depreciation of \$24,491,568 associated with this filing is shown in
12 column (I) and Column (J) identifies the Net GSRs plant by FERC account of
13 \$324,583,774.

14 **Q. CAN YOU PLEASE DESCRIBE WHAT YOU MEAN BY "ALLOCATED CYBER**
15 **SECURITY PROJECTS"?**

16 A. K.S.A. 66-2202 section (f)(4), as amended, allows for the inclusion of System Security¹
17 costs including allocated corporate costs. Kansas Gas Service includes security
18 investments that are described in Mr. Copeland's testimony within the GSRs filing that
19 were incurred at the corporate level. The plant in service included in Column (F) on
20 exhibit LME-3 reflects Kansas Gas Service's portion of the total investment.

21 **Q. PLEASE SUMMARIZE EXHIBIT LME-4.**

22 A. Exhibit LME-4 identifies the Accumulated Depreciation of \$24,491,568 identified by
23 FERC Account and Accumulated Deferred Income Taxes of \$27,404,634 associated

¹ As per K.S.A. 66-2202(i), "system security" shall mean capital expenditures to protect a utility's capital assets, including both physical assets and cyber assets, such as networks, computers, servers, operating systems, storage, programs and data, from attack, damage or unauthorized use and access.

1 with Kansas Gas Service's GSRS capital expenditures. The Accumulated Deferred
2 Income Tax ("ADIT") balance represents the liability associated with GSRS investment
3 that is used to reduce GSRS Rate Base.

4 **Q. PLEASE EXPLAIN EXHIBIT LME-5.**

5 A. Exhibit LME-5 sets forth the calculation of annualized Depreciation Expense
6 associated with GSRS plant, split between allocated cyber security, safety and
7 government relocation projects, blanket work orders, projects approved in the 281
8 Docket, projects approved in the 112 Docket, projects approved in the 094 Docket,
9 and projects approved in the 090 Docket. As shown on line 139 of the Exhibit, the
10 annualized Depreciation Expense is \$10,290,844.

11 **Q. PLEASE EXPLAIN EXHIBIT LME-6.**

12 A. Exhibit LME-6 allocates the GSRS revenue requirement to Kansas Gas Service's
13 customer classes as provided for in the agreed upon Stipulation in the 560 Docket as
14 required in the statute. Specifically, the GSRS Revenue Requirement is allocated to
15 each class based upon the proportion of its Pro-Forma revenue to total Pro-Forma
16 revenue as defined in Appendix B, of the Stipulation and Agreement approved in the
17 560 Docket. The revenue requirement by class is then divided by the number of billing
18 determinants for each class as defined in that same Appendix, to establish the monthly
19 rates.

20 **Q. LINE 25 OF EXHIBIT LME-6 SHOWS A REDUCTION OF THE REVENUE
21 REQUIREMENT FOR THE RESIDENTIAL CLASS. CAN YOU EXPLAIN THIS?**

22 A. As stated earlier in my testimony, K.S.A. 66-2204 provides a "rate" ceiling of \$0.80 per
23 month, per filing, by which the residential GSRS rate may increase in any GSRS filing.
24 When allocated to the customer classes, the revenue requirement of \$35,199,839
25 results in a monthly residential rate increase of \$0.83 per month. The maximum

1 residential revenue requirement allowed under the rate ceiling is \$24,981,721. Thus
 2 the revenue requirement is reduced by \$201,684 to limit the residential rate increase
 3 to \$0.80. All other rate classes are not changed by the rate ceiling adjustment resulting
 4 in a total allowed revenue requirement of \$34,988,156.

5 With the exception of the residential rate, which is capped at \$3.57 per month,
 6 Column G in schedule LME 6 calculates the monthly fixed rates by customer class
 7 below:

GSRs Proposed Rates	
Customer Class	Monthly Fixed Rate
RS – Residential Sales	\$3.57
GSS – General Sales Small	\$5.38
GSL – General Sales Large	\$13.18
GSTE – General Sales Transport Eligible	\$43.85
SGS – Small Generator Sales	\$5.87
GIS – Gas Irrigation Sales	\$14.26
STk -- Small Transportation Service “k” system	\$30.25
STt – Small Transportation Service “t” system	\$33.74
GITt – Gas Irrigation Transportation Service “t” system	\$30.59
LVTk – Large Volume Transportation Service “k” system Tier 1	\$74.88
LVTk – Large Volume Transportation Service “k” system Tier 2	\$164.87
LVTk – Large Volume Transportation Service “k” system Tier 3	\$292.94
LVTk – Large Volume Transportation Service “k” system Tier 4	\$1,301.87
LVTt –Large Volume T Transportation Service “t” system Tier 1	\$141.72
LVTt –Large Volume T Transportation Service “t” system Tier 2	\$233.06

LVTt –Large Volume T Transportation Service “t” system Tier 3	\$390.85
LVTt –Large Volume T Transportation Service “t” system Tier 4	\$2,734.08
WT - Wholesale Transportation Service	\$477,.80
SSR – Sales Service for Resale	\$112.29
CNGk – Compressed Natural Gas Transportation Service	\$166.79
CNGt – Compressed Natural Gas Transportation Service	\$309.17
KGSSD – Kansas Gas Supply D	\$232.14

1 **Q. WHAT IS THE PURPOSE OF EXHIBIT LME-7?**

2 A. Exhibit LME-7 is the GSRS tariff page, revised to reflect the recalculated rates.

3 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

4 A. Yes.

VERIFICATION

STATE OF KANSAS)
) ss.
COUNTY OF JOHNSON)

Lorna M. Eaton, being duly sworn upon her oath, deposes and states that she is Manager, Rates and Regulatory Department for Kansas Gas Service, a Division of ONE Gas, Inc.; that she has read and is familiar with the foregoing Direct Testimony filed herewith; and that the statements made therein are true to the best of her knowledge, information, and belief.


Lorna M. Eaton

Subscribed and sworn to before me this 22 day of August 2023.


NOTARY PUBLIC

My appointment Expires:
6/5/26



Kansas Gas Service
A Division of ONE Gas

Gas System Replacement Surcharge

Exhibit LME-1

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
Line No.	Summary	GSRs Projects - Docket No. 20-KGSG-090-TAR	GSRs Projects - Docket No. 21-KGSG-094-TAR	GSRs Projects - Docket No. 22-KGSG-112-TAR	GSRs Projects - Docket No. 23-KGSG-281-TAR	Corporate Allocated Cyber Security	GSRs Safety & Public Improvement Projects	GSRs Blanket Work Orders	Grand Total	Source
1	Original Cost	\$ 37,632,705	\$ 73,004,110	\$ 76,328,439	\$ 77,542,984	\$ 157,160	\$ 41,500,983	\$ 42,908,959	\$ 349,075,342	Schedule LME-3
2	Less: Accumulated Depreciation	\$ (4,793,880)	\$ (7,680,225)	\$ (6,153,686)	\$ (4,033,121)	\$ (36,066)	\$ (970,809)	\$ (823,781)	\$ (24,491,568)	Schedule LME-4
3	Net Plant in Service	\$ 32,838,825	\$ 65,323,885	\$ 70,174,754	\$ 73,509,864	\$ 121,094	\$ 40,530,174	\$ 42,085,178	\$ 324,583,774	
4	Less: Accumulated Deferred Income Taxes	\$ (3,254,330)	\$ (6,571,453)	\$ (6,383,353)	\$ (5,761,938)	\$ (2,057)	\$ (203,870)	\$ (5,227,633)	\$ (27,404,634)	Schedule LME-4
5	Net GSRs Rate Base	\$ 29,584,496	\$ 58,752,432	\$ 63,791,401	\$ 67,747,925	\$ 119,037	\$ 40,326,304	\$ 36,857,545	\$ 297,179,140	
6	Carrying Charge ⁽¹⁾	8.6012%	8.6012%	8.6012%	8.6012%	8.6012%	8.6012%	8.6012%	8.6012%	
7	Pre-Tax Required Return	\$ 2,544,622	\$ 5,053,414	\$ 5,486,826	\$ 5,827,135	\$ 10,239	\$ 3,468,546	\$ 3,170,191	\$ 25,560,972	Line 5 * Line 6
8	Depreciation Expense	\$ 1,098,072	\$ 2,132,146	\$ 2,241,190	\$ 2,287,499	\$ 26,680	\$ 1,119,196	\$ 1,386,061	\$ 10,290,844	Schedule LME-5
9	GSRs Revenue Requirement (Annual)								<u>\$ 35,851,816</u>	Line 7 + 8
	Plus (Minus): Over-Recovered Balance from									
10	Docket No. 23-KGSG-281-TAR								\$ (651,977)	Schedule LME-2
11	GSRs Annualized Revenue Requirement								\$ 35,199,839	Line 9 + 10
12	Reduction of Revenue for Residential Rate Cap								\$ (201,684)	Schedule LME-6
13	Revised GSRs Annualized Revenue Requirement with Residential Cap Adjustment								\$ 34,998,156	Line 11 + 12

(1) Carrying Charge of 9.0984% gross of tax was established in Docket 18-KGSG-560-RTS. A change in the state income tax rate lowers the rate of return to 8.6012%.

**Kansas Gas Service
A Division of ONE Gas
Gas System Reliability Surcharge**

Exhibit LME-2

GSRS Over/Under Cumulative Recovery for 2022-2023

		(A)
Line No.		GSRS Recoveries
1	Sept - Nov 2022 Estimated Recoveries in 23-KGSG-281-TAR	\$ 4,901,349
2	Sept- Nov 2022 GSRS Recoveries	\$ 4,906,594
3	True-Up Actual/Estimate from 23-KGSG-281-TAR	\$ 5,245
4	December 2022 Recoveries	\$ 2,312,251
5	January 2023 Recoveries	\$ 2,322,822
6	February 2023 Recoveries	\$ 2,325,718
7	March 2023 Recoveries	\$ 2,323,824
8	April 2023 Recoveries	\$ 2,318,993
9	May 2023 Recoveries	\$ 2,307,164
10	June 2023 Recoveries	\$ 2,296,000
11	July- November Estimate	\$ 11,479,999
12	<u>Total Cumulative GSRS Recoveries</u>	<u>\$ 27,692,016</u>
13	2022 Approved GSRS Rev. Requirement	\$ 27,045,487
14	Reduction of Rev Requirement for 010130	\$ (5,448)
15	Revised Rev Req	<u>\$ 27,040,039</u>
16	Total Amount Over Recovered through November 2023	<u><u>\$ 651,977</u></u>

Kansas Gas Service
A Division of ONE Gas

Gas System Reliability Surcharge

Exhibit LME-3

Plant in Service

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
Line No.	Account No.	Account Title	GSRP Projects - Docket No. 20-KGSG-090-TAR	GSRP Projects- Docket No. 21-KGSG-094-TAR	GSRP Projects- Docket No. 22-KGSG-112-TAR	GSRP Projects- Docket No. 23-KGSG-281-TAR	GSRP Projects Corporate Allocated Cyber Security	GSRP Safety & Public Improvement Projects	GSRP Blanket Work Orders	Less: Accumulated Depreciation	Net Plant
1	365.2	Rights of Way	-	-	192,602	178,275		\$81,906		13,031	439,752
2	366.1	Compressor Station Structures	-	958	-	-				110	849
3	366.2	Meas. and Reg. Station Structures	-	-	-	95,875		\$122,806		10,320	208,361
4	367	Mains	2,732,453	5,261,528	9,135,683	5,718,905		\$2,782,080		1,815,217	23,815,432
5	368	Compressor Station Equipment	23,787	-	2,604	14,337		\$58,801		5,344	94,185
6	369	Meas. And Reg. Station Equipment	98,169	306,141	400,902	844,463		\$1,673,116		187,488	3,135,303
7	374.2	Rights of Way	-	-	-	6,063		\$13,789		322	19,530
8	376	Mains - Plastic	7,353,101	15,625,900	16,977,877	16,247,435		\$15,098,449		4,833,826	66,468,936
9	376.5	Mains - Metallic	1,901,073	9,877,744	4,591,277	7,281,021		\$10,688,928		1,811,121	32,528,921
10	376.9	Mains - Cathodic Protection	1,075,357	1,123,300	1,064,850	1,006,060		\$265,754	677,446	878,165	4,334,602
11	378	Meas. and reg. sta. equip. - general	177,571	350,074	541,482	817,706		\$1,550,942		147,615	3,290,159
12	379	Meas. and reg. sta. equip. - city gate	12,599	28,132	900,572	123,048		\$1,586,719		98,625	2,552,445
13	380	Services - Plastic	15,401,231	28,353,331	29,208,395	33,549,798		\$5,675,242	28,839,383	11,696,729	129,330,650
14	380.5	Services - Metallic	3,612	20,255	54,370	42,226		\$37,783	-	(877,671)	1,035,916
15	381	Meters	8,328,496	10,657,993	11,828,109	10,234,996		\$60,671	11,057,844	3,119,436	49,048,674
16	381.5	AMR Communication Devices	-	-	-	-			2,334,287	14,034	2,320,253
17	382	Meter installations	8,217	101,807	107,983	146,089		\$98,051		31,544	430,603
18	383	House Regulators	12,152	68,445	95,848	99,750		\$65,326		15,048	326,472
19	390.1	Structures and Improvements	374,683	743,299	77,520	328,593		\$721,872		96,371	2,149,596
20	390.2	Leasehold Improvements	-	37,698	-	33,814		\$6,742		-	78,254
21	391.1	Office Furniture	-	-	9,988	-				1,952	8,036
22	391.6	Purchased Software	80,810	337,030	183,744	-	\$38,600			165,340	474,844
23	391.8	Computer Equipment	17,464	-	4,184	161,913	\$118,560			95,748	206,372
24	391.9	Cloud Computing	-	-	14,507	-				2,754	11,753
25	397	Communication Equipment	31,932	110,477	935,943	612,618		\$912,006		329,100	2,273,876
26	Total		\$ 37,632,705	\$ 73,004,110	\$ 76,328,439	\$ 77,542,984	\$ 157,160	\$ 41,500,983	\$ 42,908,959	\$ 24,491,568	\$ 324,583,774

Kansas Gas Service
A Division of ONE Gas

Gas System Reliability Surcharge

Exhibit LME-4

Accumulated Depreciation and Accumulated

Accumulated Depreciation

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	
Line No.	Account No. Number	Account	GSRs Projects - Docket No. 20-KGSG-090-TAR	GSRs Projects - Docket No. 21-KGS-094-TAR	GSRs Projects - Docket No. 22-KGS-112-TAR	GSRs Projects - Docket No. 23-KGS-281-TAR	GSRs Projects Corporate Allocated Cyber Security	GSRs Safety & Public Improvement Projects	GSRs Blanket Work Orders	Total Accumulated Depreciation
1	365.2	Rights of Way	-	-	7,242	4,216		\$1,572.65		\$ 13,031
2	366.1	Compressor Station Structures	-	110	-	-				\$ 110
3	366.2	Meas. and Reg. Station Structures	-	-	-	6,706		\$3,614.09		\$ 10,320
4	367	Mains	274,352	454,625	756,473	268,071		\$61,695.55		\$ 1,815,217
5	368	Compressor Station Equipment	3,544	-	241	780		\$778.38		\$ 5,344
6	369	Meas. And Reg. Station Equipment	12,821	27,556	35,185	57,341		\$54,585.53		\$ 187,488
7	374.2	Rights of Way	-	-	-	114		\$208.07		\$ 322
8	376	Mains - Plastic	856,730	1,539,718	1,274,498	812,666		\$350,212.72		\$ 4,833,826
9	376.5	Mains - Metallic	170,255	847,678	294,869	295,190		\$203,128.89		\$ 1,811,121
10	376.9	Mains - Cathodic Protection	296,873	264,839	181,130	99,082		\$13,580.15	22,661	\$ 878,165
11	378	Meas. and reg. sta. equip. - general	18,674	32,636	39,650	31,090		\$25,564.88		\$ 147,615
12	379	Meas. and reg. sta. equip. - city gate	796	1,564	53,633	3,590		\$39,042.20		\$ 98,625
13	380	Services - Plastic	2,426,829	3,588,014	2,664,631	2,100,770		\$163,896.58	752,589	\$ 11,696,729
14	380.5	Services - Metallic	(330,051)	(191,235)	(166,578)	(114,924)		(3,466.78)	(71,416)	\$ (877,671)
15	381	Meters	981,043	940,559	755,948	333,897		\$2,077.15	105,913	\$ 3,119,436
16	381.5	AMR Communication Devices	-	-	-	-			14,034	\$ 14,034
17	382	Meter installations	958	11,582	8,432	8,141		\$2,431.29		\$ 31,544
18	383	House Regulators	928	4,285	5,125	3,754		\$956.95		\$ 15,048
19	390.1	Structures and Improvements	26,606	46,710	3,660	14,227		\$5,167.70		\$ 96,371
20	390.2	Leasehold Improvements	-	-	-	-		\$0.00		\$ -
21	391.1	Office Furniture	-	-	1,952	-				\$ 1,952
22	391.6	Purchased Software	27,808	81,634	52,436	-	3,462			\$ 165,340
23	391.8	Computer Equipment	15,572	-	3,046	44,526	32,604			\$ 95,748
24	391.9	Cloud Computing	-	-	2,754	-				\$ 2,754
25	397	Communication Equipment	10,142	29,953	179,357	63,884		\$45,763.06		\$ 329,100
26	Total		\$ 4,793,880	\$ 7,680,225	\$ 6,153,686	\$ 4,033,121	\$ 36,066	\$ 970,809	\$ 823,781	\$ 24,491,568

Accumulated Deferred Income Tax Liability

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	
Line No.	Account No.	Account	GSRs Projects - Docket No. 20-KGSG-090-TAR	GSRs Projects - Docket No. 21-KGS-094-TAR	GSRs Projects - Docket No. 22-KGS-112-TAR	GSRs Projects - Docket No. 23-KGS-281-TAR	GSRs Projects Corporate Allocated Cyber Security	GSRs Safety & Public Improvement Projects	GSRs Blanket Work Orders	Total ADIT
1	Total		\$ (3,254,330)	\$ (6,571,453)	\$ (6,383,353)	\$ (5,761,938)	\$ (2,057)	\$ (203,870)	\$ (5,227,633)	\$ (27,404,634)

**Kansas Gas Service
A Division of ONE Gas**

**Gas System Reliability Surcharge
Depreciation Expense**

Exhibit LME-5

GSRs Projects Corporate Allocated Cyber Security

			(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Account Number	Account	GSRs Gross Additions	Less: GSRs Retirements	Net Depreciable GSRs Plant	Depreciation Rate	Annualized Depreciation	
1	391.1	Office Furniture	-	-	-	7.69%	-	
2	391.6	Purchased Software	38,600	-	38,600	7.69%	2,968	
3	391.8	Computer Equipment	118,560	-	118,560	20.00%	23,712	
4	391.9	Cloud Computing	-	-	-	20.00%	-	
5	397.0	Communication Equipment	-	-	-	6.67%	-	
6	Total		157,160	-	157,160		26,680	
GSRs Safety & Public Improvement Projects								
			(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Account Number	Account	GSRs Gross Additions	Less: GSRs Retirements	Net Depreciable GSRs Plant	Depreciation Rate	Annualized Depreciation	
7	365.2	Rights of Way	81,906	-	81,906	1.41%	1,155	
8	366.1	Compressor Station Structures	-	-	-	1.41%	-	
9	366.2	Meas. and Reg. Station Structures	122,806	-	122,806	2.18%	2,677	
10	367	Mains	2,782,080	(95,898)	2,686,182	2.38%	63,931	
11	368	Compressor Station Equipment	58,801	-	58,801	3.53%	2,076	
12	369	Meas. And Reg. Station Equipment	1,673,116	(87,121)	1,585,995	3.18%	50,435	
13	374.2	Rights of Way	13,789	-	13,789	1.45%	200	
14	376	Mains - Plastic	15,098,449	(57,218)	15,041,231	2.66%	400,097	
15	376.5	Mains - Metallic	10,688,928	(285,481)	10,403,447	2.46%	255,925	
16	376.9	Mains - Cathodic Protection	265,754	-	265,754	6.67%	17,726	
17	378	Meas. and reg. sta. equip. - general	1,550,942	(36,329)	1,514,613	2.44%	36,957	
18	379	Meas. and reg. sta. equip. - city gate	1,586,719	(1,307)	1,585,412	2.13%	33,769	
19	380	Services - Plastic	5,675,242	(805,880)	4,869,362	3.69%	179,679	
20	380.5	Services - Metallic	37,783	(113,507)	(75,723)	4.63%	(3,506)	
21	381	Meters	60,671	-	60,671	2.84%	1,723	
22	381.5	AMR Communication Devices	-	-	-	6.67%	-	
23	382	Meter installations	98,051	(6,132)	91,920	3.20%	2,941	
24	383	House Regulators	65,326	(1,992)	63,334	1.97%	1,248	
25	390.1	Structures and Improvements	721,872	-	721,872	1.57%	11,333	
26	390.2	Leasehold Improvements	6,742	-	6,742	0.00%	-	
27	397	Communication Equipment	912,006	-	912,006	6.67%	60,831	
28	Total		41,500,983	(1,490,865)	40,010,118		1,119,196	

**Kansas Gas Service
A Division of ONE Gas**

**Gas System Reliability Surcharge
Depreciation Expense**

Exhibit LME-5

GSRs Blanket Work Orders

(A)			(B)	(C)	(D)	(E)	(F)
Line No.	Account Number	Account	GSRs Gross Additions	Less: GSRs Retirements	Net Depreciable GSRs Plant	Depreciation Rate	Annualized Depreciation
29	367	Mains	-		-	2.38%	-
30	368	Compressor Station Equipment	-		-	3.53%	-
31	369	Meas. And Reg. Station Equipment	-		-	3.18%	-
32	374.2	Rights of Way	-		-	1.45%	-
33	376	Mains - Plastic	-		-	2.66%	-
34	376.5	Mains - Metallic	-		-	2.46%	-
35	376.9	Mains - Cathodic Protection	677,446	-	677,446	6.67%	45,186
36	378	Meas. and reg. sta. equip. - general	-		-	2.44%	-
37	379	Meas. and reg. sta. equip. - city gate	-		-	2.13%	-
38	380	Services - Plastic	28,839,383	-	28,839,382.52	3.69%	1,064,173
39	380.5	Services - Metallic	-	(2,340,814)	(2,340,814)	4.63%	(108,380)
40	381	Meters	11,057,844	(2,980,907)	8,076,937	2.84%	229,385
41	381.5	AMR Communication Devices	2,334,287		2,334,287	6.67%	155,697
42	382	Meter installations	-		-	3.20%	-
43	383	House Regulators	-		-	1.97%	-
44	390.1	Structures and Improvements	-		-	1.57%	-
45	397	Communication Equipment	-		-	6.67%	-
46	Total		42,908,959	(5,321,720)	37,587,239		1,386,061

**Kansas Gas Service
A Division of ONE Gas**

**Gas System Reliability Surcharge
Depreciation Expense**

Exhibit LME-5

GSRs Projects - Docket No. 23-KGSG-281-TAR

(A)			(B)	(C)	(D)	(E)	(F)
Line No.	Account Number	Account	GSRs Gross Additions	Less: GSRs Retirements	Net Depreciable GSRs Plant	Depreciation Rate	Annualized Depreciation
47	365.2	Rights of Way	178,275	-	178,275	1.41%	2,514
48	366.1	Compressor Station Structures	-	-	-	2.95%	-
49	366.2	Meas. and Reg. Station Structures	95,875	-	95,875	2.18%	2,090
50	367	Mains	5,718,905	(183,461)	5,535,444	2.38%	131,744
51	368	Compressor Station Equipment	14,337	-	14,337	3.53%	506
52	369	Meas. And Reg. Station Equipment	844,463	(41,232)	803,231	3.18%	25,543
53	374.2	Rights of Way	6,063	-	6,063	1.45%	88
54	376	Mains - Plastic	16,247,435	(95,935)	16,151,500	2.66%	429,630
55	376.5	Mains - Metallic	7,281,021	(308,478)	6,972,542	2.46%	171,525
56	376.9	Mains - Cathodic Protection	1,006,060	-	1,006,060	6.67%	67,104
57	378	Meas. and reg. sta. equip. - general	817,706	(74,596)	743,110	2.44%	18,132
58	379	Meas. and reg. sta. equip. - city gate	123,048	(85)	122,963	2.13%	2,619
59	380	Services - Plastic	33,549,798	(1,314,822)	32,234,976	3.69%	1,189,471
60	380.5	Services - Metallic	42,226	(1,468,727)	(1,426,502)	4.63%	(66,047)
61	381	Meters	10,234,996	(2,211,159)	8,023,837	2.84%	227,877
62	381.5	AMR Communication Devices	-	-	-	6.67%	-
63	382	Meter installations	146,089	(7,929)	138,161	3.20%	4,421
64	383	House Regulators	99,750	(4,306)	95,444	1.97%	1,880
65	390.1	Structures and Improvements	328,593	-	328,593	1.57%	5,159
66	390.2	Leasehold Improvements	33,814	-	33,814	0.00%	-
67	391.1	Office Furniture	-	-	-	7.69%	-
68	391.6	Purchased Software	-	-	-	7.69%	-
69	391.8	Computer Equipment	161,913	-	161,913	20.00%	32,383
70	391.9	Cloud Computing	-	-	-	7.69%	-
71	397	Communication Equipment	612,618	-	612,618	6.67%	40,862
72	Total		77,542,984	(5,710,731)	71,832,253		2,287,499

**Kansas Gas Service
A Division of ONE Gas**

**Gas System Reliability Surcharge
Depreciation Expense**

Exhibit LME-5

GSRs Projects - Docket No. 22-KGSG-112-TAR

(A)			(B)	(C)	(D)	(E)	(F)
Line No.	Account Number	Account	GSRs Gross Additions	Less: GSRs Retirements	Net Depreciable GSRs Plant	Depreciation Rate	Annualized Depreciation
73	365.2	Rights of Way	192,602	-	192,602	1.41%	2,716
74	366.1	Compressor Station Structures	-	-	-	2.95%	-
75	367	Mains	9,135,683	(246,200)	8,889,483	2.38%	211,570
76	368	Compressor Station Equipment	2,604	-	2,604	3.53%	92
77	369	Meas. And Reg. Station Equipment	400,902	(32,289)	368,613	3.18%	11,722
78	374.2	Rights of Way	-	-	-	1.45%	-
79	376	Mains - Plastic	16,977,877	(180,760)	16,797,117	2.66%	446,803
80	376.5	Mains - Metallic	4,591,277	(340,123)	4,251,154	2.46%	104,578
81	376.9	Mains - Cathodic Protection	1,064,850	-	1,064,850	6.67%	71,026
82	378	Meas. and reg. sta. equip. - general	541,482	(17,044)	524,438	2.44%	12,796
83	379	Meas. and reg. sta. equip. - city gate	900,572	(22,547)	878,025	2.13%	18,702
84	380	Services - Plastic	29,208,395	(1,082,353)	28,126,042	3.69%	1,037,851
85	380.5	Services - Metallic	54,370	(1,483,520)	(1,429,150)	4.63%	(66,170)
86	381	Meters	11,828,109	(1,123,252)	10,704,857	2.84%	304,018
87	381.5	AMR Communication Devices	-	-	-	6.67%	-
88	382	Meter installations	107,983	(9,675)	98,308	3.20%	3,146
89	383	House Regulators	95,848	(2,181)	93,666	1.97%	1,845
90	390.1	Structures and Improvements	77,520	-	77,520	1.57%	1,217
91	391.1	Office Furniture	9,988	-	9,988	7.69%	768
92	391.6	Purchased Software	183,744	-	183,744	7.69%	14,130
93	391.8	Computer Equipment	4,184	-	4,184	20.00%	837
94	391.9	Cloud Computing	14,507	-	14,507	7.69%	1,116
95	397	Communication Equipment	935,943	-	935,943	6.67%	62,427
96	Total		76,328,439	(4,539,943)	71,788,497		2,241,190

**Kansas Gas Service
A Division of ONE Gas**

**Gas System Reliability Surcharge
Depreciation Expense**

Exhibit LME-5

GSRs Projects - Docket No. 21-KGSG-094-TAR

(A)			(B)	(C)	(D)	(E)	(F)
Line No.	Account Number	Account	GSRs Gross Additions	Less: GSRs Retirements	Net Depreciable GSRs Plant	Depreciation Rate	Annualized Depreciation
97	366.1	Compressor Station Structures	958	-	958	2.95%	28
98	367	Mains	5,261,528	(47,757)	5,213,771	2.38%	124,088
99	368	Compressor Station Equipment	-	-	-	3.53%	-
100	369	Meas. And Reg. Station Equipment	306,141	(56,970)	249,170	3.18%	7,924
101	374.2	Rights of Way	-	-	-	1.45%	-
102	376	Mains - Plastic	15,625,900	(117,459)	15,508,441	2.66%	412,525
103	376.5	Mains - Metallic	9,877,744	(407,425)	9,470,319	2.46%	232,970
104	376.9	Mains - Cathodic Protection	1,123,300	-	1,123,300	6.67%	74,924
105	378	Meas. and reg. sta. equip. - general	350,074	(8,327)	341,747	2.44%	8,339
106	379	Meas. and reg. sta. equip. - city gate	28,132	(9,510)	18,622	2.13%	397
107	380	Services - Plastic	28,353,331	(1,116,928)	27,236,403	3.69%	1,005,023
108	380.5	Services - Metallic	20,255	(1,185,120)	(1,164,866)	4.63%	(53,933)
109	381	Meters	10,657,993	(1,125,057)	9,532,935	2.84%	270,735
110	381.5	AMR Communication Devices	-	-	-	6.67%	-
111	382	Meter installations	101,807	(6,893)	94,914	3.20%	3,037
112	383	House Regulators	68,445	(10,907)	57,537	1.97%	1,133
113	390.1	Structures and Improvements	743,299	-	743,299	1.57%	11,670
114	390.2	Leasehold Improvements	37,698	-	37,698	0.00%	-
115	391.6	Purchased Software	337,030	-	337,030	7.69%	25,918
116	391.8	Computer Equipment	-	-	-	20.00%	-
117	397	Communication Equipment	110,477	-	110,477	6.67%	7,369
118	Total		73,004,110	(4,092,355)	68,911,756		2,132,146

**Kansas Gas Service
A Division of ONE Gas**

**Gas System Reliability Surcharge
Depreciation Expense**

Exhibit LME-5

GSRs Projects - Docket No. 20-KGSG-090-TAR

(A)			(B)	(C)	(D)	(E)	(F)
Line No.	Account Number	Account	GSRs Gross Additions	Less: GSRs Retirements	Net Depreciable GSRs Plant	Depreciation Rate	Annualized Depreciation
119	367	Mains	2,732,453	(156,339)	2,576,114	2.38%	61,312
120	368	Compressor Station Equipment	23,787	(1,473)	22,314	3.53%	788
121	369	Meas. And Reg. Station Equipment	98,169	(6,437)	91,732	3.18%	2,917
122	374.2	Rights of Way	-	-	-	1.45%	-
123	376	Mains - Plastic	7,353,101	(59,438)	7,293,663	2.66%	194,011
124	376.5	Mains - Metallic	1,901,073	(301,319)	1,599,754	2.46%	39,354
125	376.9	Mains - Cathodic Protection	1,075,357	-	1,075,357	6.67%	71,726
126	378	Meas. and reg. sta. equip. - general	177,571	(7,220)	170,350	2.44%	4,157
127	379	Meas. and reg. sta. equip. - city gate	12,599	(4,400)	8,199	2.13%	175
128	380	Services - Plastic	15,401,231	(303,425)	15,097,806	3.69%	557,109
129	380.5	Services - Metallic	3,612	(1,645,964)	(1,642,352)	4.63%	(76,041)
130	381	Meters	8,328,496	(426,119)	7,902,377	2.84%	224,428
131	381.5	AMR Communication Devices	-	-	-	6.67%	-
132	382	Meter installations	8,217	(1,547)	6,670	3.20%	213
133	383	House Regulators	12,152	(1,832)	10,320	1.97%	203
134	390.1	Structures and Improvements	374,683	-	374,683	1.57%	5,883
135	391.6	Purchased Software	80,810	-	80,810	7.69%	6,214
136	391.8	Computer Equipment	17,464	-	17,464	20.00%	3,493
137	397	Communication Equipment	31,932	-	31,932	6.67%	2,130
138	Total		37,632,705	(2,915,513)	34,717,192		\$ 1,098,072
139	Total Depreciation Expense						\$ 10,290,844

Kansas Gas Service
A Division of ONE Gas

Gas System Reliability Surcharge
Development of GSRS Rate

Exhibit LME-6

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Customer Class	Pro-Forma Revenue - Docket No. 18-KGSG-560-RTS	% of Revenue Requirement Responsibility	GSRS Revenue Requirement (Based upon ratio of pro-forma revenue to total revenue)	Customers Per - 18 KGSG-560-RTS Settlement - Appendix B	GSRS Annual Charge	GSRS Monthly Charge
1	Residential Sales RS	\$ 228,136,718	71.544%	25,183,405	583,049	\$ 43.19	\$ 3.60
2	General Sales Svc. Small	21,561,638	6.762%	2,380,132	36,896	\$ 64.51	\$ 5.38
3	General Sales Svc. Large	16,644,462	5.220%	1,837,338	11,621	\$ 158.10	\$ 13.18
4	General Sales Svc. Transport Eligible	2,383,361	0.747%	263,093	500	\$ 526.19	\$ 43.85
5	Small Generator Sales SGS	431,454	0.135%	47,627	676	\$ 70.45	\$ 5.87
6	Gas Irrigation Sales GIS	331,827	0.104%	36,629	214	\$ 171.17	\$ 14.26
7	Small Transportation STk	11,498,231	3.606%	1,269,259	3,497	\$ 362.96	\$ 30.25
8	Small Transportation STt	4,441,906	1.393%	490,330	1,211	\$ 404.90	\$ 33.74
9	Gas Irrigation Transportation GITt	1,705,800	0.535%	188,299	513	\$ 367.05	\$ 30.59
10	Large Volume Transportation LVTk Tier 1 #	1,750,052	0.549%	193,184	215	\$ 898.53	\$ 74.88
11	Large Volume Transportation LVTk Tier 2 #	1,684,737	0.528%	185,974	94	\$ 1,978.44	\$ 164.87
12	Large Volume Transportation LVTk Tier 3 #	1,496,729	0.469%	165,220	47	\$ 3,515.32	\$ 292.94
13	Large Volume Transportation LVTk Tier 4 #	8,916,005	2.796%	984,214	63	\$ 15,622.44	\$ 1,301.87
14	Large Volume Transportation LVTt Tier 1 #	693,253	0.217%	76,526	45	\$ 1,700.58	\$ 141.72
15	Large Volume Transportation LVTt Tier 2 #	785,386	0.246%	86,697	31	\$ 2,796.67	\$ 233.06
16	Large Volume Transportation LVTt Tier 3 #	637,325	0.200%	70,353	15	\$ 4,690.17	\$ 390.85
17	Large Volume Transportation LVTt Tier 4 #	13,969,184	4.381%	1,542,021	47	\$ 32,808.96	\$ 2,734.08
18	Wholesale Transportation WT t #	1,454,338	0.456%	160,541	28	\$ 5,733.59	\$ 477.80
19	Sales Service for Resale SSR	97,657	0.031%	10,780	8	\$ 1,347.51	\$ 112.29
20	CNG k system	163,179	0.051%	18,013	9	\$ 2,001.43	\$ 166.79
21	CNG t system	67,219	0.021%	7,420	2	\$ 3,710.06	\$ 309.17
22	Kansas Gas Supply D	25,235	0.008%	2,786	1	\$ 2,785.62	\$ 232.14

23	Total Revenue Requirement before Residential Adjustmen	\$ 318,875,695	100%	\$ 35,199,839			
24	Maximum Residential Revenue Allowed due to Residential Cap			\$ 24,981,721			
25	Reduction of Revenue Requirement for Residential Rate Cap			\$ (201,684)			
26	GSRS Annualized Revenue with Residential Cap Adjustmen			\$ 34,998,156			

	Annual Increase	Cumulative Rate
27	2020 GSRS Rate - Residential	\$ 0.43
28	2021 GSRS Rate - Residential	\$ 0.77
29	2022 GSRS Rate - Residential	\$ 0.78
30	2023 GSRS Rate - Residential	\$ 0.79
31	2024 GSRS Rate - Residential w/o cap adjustment	\$ 0.83
32	2024 GSRS Rate - Residential with cap adjustment	\$ 0.80
33	Total Residential Rate	\$ 3.57

34 # Includes flex revenue.

THE STATE CORPORATION COMMISSION OF KANSAS

Index 44.1

Kansas Gas Service, a Division of ONE Gas, Inc.

SCHEDULE GSRs

All Rate Areas

Replacing Sheet 1 Filed November 19,

~~2021~~22, 2022

No supplement or separate understanding shall modify the tariff as shown herein.

Sheet 1 of 2

Gas System Reliability Surcharge Rider**Availability**

This rider is applicable to every bill for service provided under each of the Company's sales and transportation rate schedules except where not permitted under a separately negotiated contract with a customer. Not applicable to bills for As-Available Gas Sales Service or Interruptible Gas Transportation Service.

Net Monthly Charge

The Gas System Reliability Surcharge (GSRs) shall be a fixed monthly amount calculated as the applicable GSRs times the number of meters serving the customer's account, as indicated by the total number of Service Charges billed.

RS	Residential Sales Service	\$	2.773.57
GSS	General Sales Service Small	\$	4.135.38
GSL	General Sales Service Large	\$	10.1213.18
GSTE	General Sales Service Transport Eligible	\$	33.6943.85
SGS	Small Generator Sales Service	\$	4.515.87
KGSSD	Kansas Gas Supply D	\$	178.36232.14
GIS	Gas Irrigation Sales Service	\$	10.9614.26
SSR	Sales Service Resale	\$	86.28112.29
STk	Small Transportation Service (k)	\$	23.2430.25
STt	Small Transportation Service (t)	\$	25.9233.74
LVTk	Large Volume Transportation Service (k)		
Annual Use:	Below 10,000 Mcf	\$	57.5374.88
	10,001 Mcf – 20,000 Mcf	\$	126.68164.87
	20,001 Mcf – 40,000 Mcf	\$	225.08292.94
	Above 40,001 Mcf	\$	1,000.281,301.87
LVTt	Large Volume Transportation Service (t)		
Annual Use:	Below 10,000 Mcf	\$	108.89141.72
	10,001 Mcf – 20,000 Mcf	\$	179.07233.06
	20,001 Mcf – 40,000 Mcf	\$	300.30390.85
	Above 40,001 Mcf	\$	2,100.712,734.08
WTt	Wholesale Transportation Service (t)	\$	367.11477.80
GITt	Gas Irrigation Transportation Service (t)	\$	23.5030.59
CNGk	Compressed Natural Gas General Transportation (k)	\$	128.15166.79
CNGt	Compressed Natural Gas General Transportation (t)	\$	237.55309.17

Issued:	<u>November 22, 2022</u>	<p style="text-align: center;">23-KGSG-281-TAR Approved Kansas Corporation Commission November 22, 2022 /s/ Lynn Retz</p>
Effective:	<u>December 1, 2022</u>	
By:	<u>/s/ Janet L. Buchanan</u> Janet L. Buchanan, Director- Regulatory Affairs	

VERIFICATION

STATE OF KANSAS)
) ss
COUNTY OF JOHNSON)

Robert Vincent of lawful age, being first duly sworn upon oath, deposes and states: That he is an attorney for Kansas Gas Service, a Division of ONE Gas, Inc.; that he has read the above and foregoing *Petition to Change GSRS Rate Schedules* and that the statements therein contained are true according to er knowledge, information and belief.


Robert Elliott Vincent

Subscribed and sworn before me this 28TH day of August, 2023.


Notary Public

My Appointment Expires: 6/5/26




CERTIFICATE OF SERVICE

I hereby certify that a copy of the above and foregoing *Petition to Change GSRs Rate Schedules* was forwarded this 28th day of August, 2023, addressed to:

David Nickel
Consumer Counsel
Citizens' Utility Ratepayer Board
1500 SW Arrowhead Road
Topeka, KS 66604

Lynn Retz
Executive Director
Kansas Corporation Commission
1500 SW Arrowhead Road
Topeka, KS 66604-4027

Carly Masenthin
Senior Litigation Counsel
Kansas Corporation Commission
1500 SW Arrowhead Road
Topeka, KS 66604-4027



Robert Elliott Vincent