

**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     ) 23-KGSG-281-TAR  
Approval by the Commission to Change its     ) Docket No. 23-KGSG-\_\_\_\_-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, correspondence, and other communications regarding the Petition on behalf of Kansas Gas Service are as follows:

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Managing Attorney  
Kansas Gas Service  
A Division of ONE Gas, Inc.  
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### **III. CONDENSED BACKGROUND**

3. In 2006, the Kansas Legislature passed the Gas Safety and Reliability Policy Act (the “Act”).<sup>1</sup> The Act allows natural gas public utilities to establish or change a GSRS.<sup>2</sup> A GSRS rate schedule allows a natural gas public utility to recover the costs of eligible infrastructure system investments, as defined in the Act.<sup>3</sup> 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.<sup>4</sup> 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 three times: Docket Nos. 20-KGSG-090-TAR (the “090 Docket”), 21-KGSG-094-TAR (the “094 Docket”), and 22-KGSG-112-TAR (the “112 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.<sup>5</sup> Therefore, Kansas Gas Service should be permitted to recover revenue of \$27,213,963 through its GSRS.

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

<sup>2</sup> *See* K.S.A. 66-2203(a).

<sup>3</sup> *See* K.S.A. 66-2203(a); K.S.A. 66-2202.

<sup>4</sup> L. 2018, ch. 40, §§ 1-5.

<sup>5</sup> *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 112 Docket, was filed on August 26, 2021. Accordingly, Kansas Gas Service’s GSRS Petition meets the Act’s 12-month minimum and 60-month maximum filing requirements.

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. Niyo Little Thunder Pearson, Sr. is a Cybersecurity Consultant employed by ONE Gas, Inc. Mr. Pearson, Sr. 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:

- 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,<sup>6</sup> 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 costs<sup>7</sup> 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. Pearson, Sr. testify on eligible infrastructure system investments and natural gas public utility plant projects contained in this Petition. Mr. Robl testifies the Act separates projects into two categories: safety and public improvement.<sup>8</sup> Mr. Robl's Exhibits JRR-

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<sup>6</sup> 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).

<sup>7</sup> 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).

<sup>8</sup> 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).

1, JRR-3, and JRR-4 outline safety projects, including physical security costs. Exhibit JRR-2 outlines public improvement projects. Mr. Pearson Sr.'s Exhibit NLP-1 identifies cybersecurity-related security costs.

*i. Safety Projects*

13. Exhibit JRR-1 contains 793 safety related investments unitized between July 1, 2021, and June 30, 2022. These safety investments, which are broken out into eight separate categories,<sup>9</sup> are recoverable pursuant to K.S.A. 66-2202(f)(1), (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 addition. 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 (i.e., homogeneity). These safety related projects are recoverable pursuant to K.S.A. 66-2202(f)(1) or (3), and were unitized between July 1, 2021, and June 30, 2022.

15. Exhibit NLP-1 describes four system security projects related to protecting the Company's cyber assets and recoverable pursuant to K.S.A. 66-2202(f)(4). Three of these projects are related to corporate allocated costs, for which Kansas Gas Service is only seeking to recover its allocated amount. The remaining project is allocated entirely to Kansas Gas Service given its Kansas-specific nature.

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<sup>9</sup> 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).

**ii. Public Improvement Projects**

16. Exhibit JRR-2 contains 156 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, 2021, and June 30, 2022. 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.<sup>10</sup> 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.<sup>11</sup> Likewise, the applicable GSRS revenue "ceiling" is \$63,775,139. Kansas Gas Service's Petition is for a total GSRS revenue requirement of \$27,213,963, thus satisfying the Act's minimum and maximum revenue threshold requirements.

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

<sup>11</sup> For reference, 1/2% of Kansas Gas Service's base revenues totals \$1,594,378.48.

#### **D. GSRS Filing Requirements and Timelines<sup>12</sup>**

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. 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.<sup>13</sup> Rather, the Act establishes separate statutory deadlines for GSRS proceedings.<sup>14</sup> Commission Staff must submit a report on a GSRS petition no later than 60 days after the petition is filed.<sup>15</sup> No other revenue requirement or ratemaking issues are considered during this review.<sup>16</sup> Pursuant to the Act, this date is Tuesday, October 25, 2022. While the Commission has discretion to hold a hearing, the Commission must issue an order to become effective no later than 120 days after a GSRS petition is filed.<sup>17</sup> Accordingly, this date is Tuesday, December 27, 2022.<sup>18</sup>

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<sup>12</sup> 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).

<sup>13</sup> K.S.A. 66-2202(g).

<sup>14</sup> K.S.A. 66-2204(b)(1)-(4).

<sup>15</sup> *See* K.S.A. 66-2204(b)(2).

<sup>16</sup> K.S.A. 66-2204(b)(2).

<sup>17</sup> K.S.A. 66-2204(b)(3).

<sup>18</sup> While 120 days from this Petition's filing is Saturday, December 24, 2022, the statutory deadline is tolled through the weekend and Christmas holiday (State offices are closed Monday, December 26, 2022).

### **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.<sup>19</sup> 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, and those additional projects identified in this Petition is \$229,940,005.

23. Exhibit LME-1 shows the proposed GSRS revenue requirement associated with the projects approved in the 090 Docket, 094 Docket, 112 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 112 Docket (shown in Exhibit LME-2) to be \$27,213,963. Compared to the revenue requirement authorized in the 112 Docket, the incremental revenue requirement requested in this Petition is \$7,845,281.<sup>20</sup>

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 and federal taxes in effect as of the date of the settlement.<sup>21</sup> In 2020, the Kansas Legislature

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<sup>19</sup> See K.S.A. 66-2204(b)(4); See also K.S.A. 66-2202(b)(1)-(3) defining appropriate pretax revenues.

<sup>20</sup> Exhibit LME-2 shows Kansas Gas Service over-recovered \$361,749 in GSRS revenues. Exhibit LME-1 reduces Kansas Gas Service's total GSRS revenue requirement by this amount.

<sup>21</sup> 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).



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.<sup>22</sup>

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

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<sup>22</sup> See *id.*

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

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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. 23-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 26, 2022**

**DIRECT TESTIMONY**  
**OF**  
**JORDAN R. ROBL**  
**KANSAS GAS SERVICE**  
**DOCKET NO. 23-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. Niyo

1 Little Thunder Pearson, Sr. supports the inclusion of corporate system security  
2 investments.

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

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

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

7 A. Kansas Gas Service is a division of ONE Gas, Inc., and provides natural gas  
8 distribution service to approximately 645,000 customers in more than 360  
9 communities in Kansas. Approximately 590,000 of Kansas Gas Service's customers  
10 are residential customers, with the remaining balance comprised of non-residential -  
11 general service sales customers and transportation customers. Kansas Gas Service's  
12 natural gas system includes approximately 13,000 miles of distribution and  
13 transmission lines.

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

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

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

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

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

1 A. K.S.A. 66-2202(d), as amended, defines “eligible infrastructure system investments”  
2 as natural gas public utility plant projects that:

3 (1) Do not increase revenues by directly connecting the infrastructure  
4 investments to new customers;

5 (2) are in service and used and required to be used; and

6 (3) were not included in the natural gas public utility’s rate base in its  
7 most recent general rate case.

8 **Q. HOW ARE NATURAL GAS UTILITY PLANT PROJECTS IDENTIFIED IN THE**  
9 **STATUTE?**

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

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

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

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

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

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

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

25 Facility relocations required due to construction or improvement of a  
26 highway, road, street, public way or other public work by or on behalf

1 of the United States, this state, a political subdivision of this state or  
2 another entity having the power of eminent domain provided that the  
3 costs related to such projects have not been reimbursed to the natural  
4 gas public utility.

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

6 System security costs including allocated corporate costs incurred by a  
7 natural gas public utility.

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

9 Investments made in accordance with the utility's safety and risk  
10 management programs.

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

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

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

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

1 projects identified in Exhibits JRR-1 and JRR-2 were unitized between July 1, 2021  
2 and June 30, 2022.

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

4 A. Exhibit JRR-3, as attached hereto, identifies projects that have been accounted for as  
5 blanket work orders for service line replacement projects and a limited group of non-  
6 service line projects. Blanket work orders are used to account for costs of projects  
7 with relatively small dollar amounts and which are relatively similar. Expenses related  
8 to the replacement of service lines meets both criteria and are therefore included in  
9 blanket work orders. These service line replacement projects are small projects where  
10 the Company has replaced the service line from the main in the street to the house as  
11 a result of either a safety concern or a public improvement project. As such, these  
12 projects are eligible for recovery under K.S.A. 66-2202(f)(1) or (3) in the same manner  
13 as projects identified in Exhibits JRR-1 and JRR-2. The projects identified in Exhibit  
14 JRR-3 were unitized between July 1, 2021 and June 30, 2022.

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

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

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<sup>1</sup> "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   **Q.     WHEN WERE THE PROJECTS INCLUDED IN EXHIBITS JRR-1, JRR-2 AND JRR-**  
2   **3 COMPLETED?**

3   A.     The projects included in Exhibits JRR-1, JRR-2, and JRR-3 were unitized and included  
4           on the books as “plant in service” during the period beginning on July 1, 2021, through  
5           June 30, 2022. As referenced in Ms. Eaton’s testimony, none of the costs included in  
6           Exhibits JRR-1, JRR-2, and JRR-3 were included in Kansas Gas Service’s base rates  
7           from its most recent general rate case – Docket No. 18-KGSG-560-RTS (“560  
8           Docket”).

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

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

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

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

1 and government mandated relocations for service lines in more detail later in my  
2 testimony.

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

5 A. There are eight categories of projects included in Kansas Gas Service's request in  
6 Exhibit JRR-1. The total expenditure for all projects is \$31,342,506. These categories  
7 consist of:

8 1) 3-5-3 PROGRAM REPLACEMENT;

9 2) BARE STEEL MAIN REPLACEMENT;

10 3) BARE STEEL SERVICE LINE REPLACEMENT;

11 4) CATHODIC PROTECTION;

12 5) CONTINUING SURVEILLANCE;

13 6) PHYSICAL SECURITY;

14 7) PIPELINE SYSTEM COMPONENTS; and

15 8) PRESSURE AND MEASUREMENT (OBSOLESCENCE).

16 **Q. PLEASE DISCUSS THE "3-5-3 REPLACEMENT PROJECTS" CATEGORY.**

17 A. Pursuant to the Commission's Order in Docket No. 14-KGSG-100-MIS, Kansas Gas  
18 Service developed a program to replace problematic protected bare steel main. Under  
19 the 3-5-3 program, Kansas Gas Service identifies cathodically protected bare steel  
20 distribution main segments which have experienced three or more leaks within a block  
21 (approximately 500 feet) over the past three years. Exhibit JRR-1 identifies those  
22 distribution segments which have been replaced pursuant to this program. The total  
23 capital expenditure for 3-5-3 replacement projects identified in Exhibit JRR-1 is  
24 \$934,635.

25 **Q. PLEASE EXPLAIN THE CATEGORY IDENTIFIED AS "BARE STEEL MAIN**  
26 **REPLACEMENT."**

1 A. Senate Bill No. 279, among other things, amended K.S.A. 66-2202(f)(1) to include  
2 projects that replaced, upgraded, or modernized obsolete facilities – including  
3 installations replacing existing facilities necessary to comply with state or federal  
4 safety requirements. Kansas Gas Service is replacing bare steel mains which are  
5 deemed obsolete. Mains are specifically identified in K.S.A. 66-2202(f)(1), as  
6 amended. Kansas Gas Service is following section 1600 of its Operations and  
7 Maintenance Standards to prioritize replacement work. The total capital expenditure  
8 for the Bare Steel Main Replacement identified in Exhibit JRR-1 is \$18,684,576.

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

11 A. Pursuant to Docket No. 11-KGSG-177-TAR (“177 Docket”) and Senate Bill No. 279,  
12 which among other things, amended K.S.A. 66-2202(f)(1) and was summarized  
13 above, Kansas Gas Service is replacing bare steel service lines which are deemed  
14 obsolete. Service lines are specifically identified in K.S.A. 66-2202(f)(1), as amended.  
15 Kansas Gas Service is following section 1600 of its Operations and Maintenance  
16 Standards to prioritize replacement work. The total capital expenditure for the Bare  
17 Steel Service Replacement identified in Exhibit JRR-1 is \$211,414.

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

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

1 August 1, 1971. A portion of the pipeline projects were also performed pursuant to 49  
2 C.F.R. § 192.455, along with its Kansas adoption K.A.R. 82-11-4(b)(13), as certain  
3 sections of the identified segments have had main sections replaced after August 1,  
4 1971. The activities identified in these projects included the installation of new facilities  
5 that we determined to more efficiently reduced corrosion on the pipelines. The total  
6 capital expenditure for the Cathodic Protection projects identified in Exhibit JRR-1 is  
7 \$372,053.

8 **Q. PLEASE EXPLAIN THE CATEGORY IDENTIFIED AS “CONTINUING**  
9 **SURVEILLANCE.”**

10 A. 49 C.F.R. § 192.613, as adopted by K.A.R. 82-11-4, requires each operator to have a  
11 procedure for continuing surveillance of its facilities to determine and take appropriate  
12 action concerning changes in class location, failures, leakage history, corrosion,  
13 substantial changes in cathodic protection requirements, and other unusual operating  
14 and maintenance conditions. The rule also requires that if a segment of pipe is  
15 determined to be in unsatisfactory condition (but no immediate hazard exists), the  
16 operator shall initiate a program to recondition or phase out the segment involved.  
17 However, if the segment cannot be reconditioned or phased out, the operator shall  
18 reduce the maximum allowable operating pressure in accordance with 49 C.F.R. §  
19 192.619(a) and (b), as adopted by K.A.R. 82-11-4. The job activities identified in  
20 Exhibit JRR-1, under the heading of Continuing Surveillance, represent projects  
21 undertaken by Kansas Gas Service that involve phasing out pipe segments  
22 determined to be in unsatisfactory condition but where no immediate hazard exists.  
23 The total capital expenditure for the Continuing Surveillance projects identified in  
24 Exhibit JRR-1 is \$7,471,219.

25 **Q. PLEASE DISCUSS THE PROJECTS UNDER THE CATEGORY “PHYSICAL**  
26 **SECURITY.”**

1 A. Senate Bill No. 279, among other things, created K.S.A. 66-2202(f)(4). Pursuant to  
2 this section, system security costs incurred by a natural gas public utility may be  
3 included in a GSRS filing. K.S.A. 66-2202(i) defines “system security,” in part, as  
4 “capital expenditures to protect a utility’s capital assets, including both physical assets  
5 and cyber assets.” Projects identified in Exhibit JRR-1 as “Physical Security” are those  
6 projects the Company undertook to protect physical assets. The investments were  
7 made to implement electronic security measures by adding access control,  
8 surveillance, intrusion detection, fencing, lighting and secure cabinet enclosures. The  
9 total capital expenditure related to physical security investments is \$362,407.

10 **Q. PLEASE DISCUSS THE PROJECTS INCLUDED UNDER THE CATEGORY**  
11 **“PIPELINE SYSTEM COMPONENTS.”**

12 A. Pursuant to Senate Bill No. 279, which among other things, amended K.S.A. 66-  
13 2202(f)(1) and was summarized above, Kansas Gas Service is replacing pipeline  
14 system components, such as odorizers and compressor valves that are obsolete. The  
15 total capital expenditure for Pipeline System Component(s) replacement identified in  
16 Exhibit JRR-1 is \$2,944,414.

17 **Q. PLEASE EXPLAIN THE PROJECTS LISTED UNDER CATEGORY “PRESSURE**  
18 **AND MEASUREMENT (OBsolescence).”**

19 A. Pursuant to Senate Bill No. 279, which among other things, amended K.S.A. 66-  
20 2202(f)(1) and was summarized above, Kansas Gas Service is replacing pipeline  
21 system components, such as meters and regulators needed for ongoing operations.  
22 The total capital expenditure for Pressure & Measurement components identified in  
23 Exhibit JRR-1 is \$361,790.

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

1 A. Exhibit JRR-2 identifies each governmentally mandated relocation project included in  
2 this GSRS filing. The Exhibit provides a description and location of the project, the  
3 unitization date of the project, the cost of the project, and the governmental entity  
4 which required the relocation of our facilities. The total expenditure for all projects  
5 identified in Exhibit JRR-2 is \$9,569,545.

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

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

1 service lines to the new main will exceed the cost of simply installing a new PE service  
2 line.

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

4 A. In the box under the heading “Blanket Service Line Summary,” I have listed the  
5 categories supporting the service line replacements. If a service line replacement is  
6 due to a safety related requirement, the applicable safety related code requirement is  
7 listed. If the service line replacement is due to a Public Improvement project, I have  
8 identified it as such. Exhibit JRR-3 then sets forth the dollar value and number of  
9 service lines replaced by year and category. For example, the “Routine Replacement  
10 – Leak” category had \$1,182,665 in service line replacement costs involving 384  
11 service lines. In the box under the heading “Non-Service Line Related Blanket  
12 Summary,” there are three categories of blanket non-service line projects which I will  
13 explain below.

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

16 A. I have placed the safety related service line replacements at the beginning of the  
17 Blanket Service Line Summary in Exhibit JRR-3 and service line replacements for  
18 public improvements at the bottom of the Blanket Service Line Summary. The first  
19 safety category, “Routine Replacement-Leak”, includes the replacement of service  
20 lines that were replaced due to leakage classified under the leak classification  
21 guidelines found in 49 C.F.R. § 192.703 (and subject to 49 C.F.R. § 192.453(b)), and  
22 their respective Kansas regulations. These regulations require unprotected steel  
23 service lines found to have active corrosion be either protected or replaced. As shown  
24 in Exhibit JRR-3, during the period beginning July 1, 2021 through June 30, 2022, 384  
25 service lines were replaced at a cost of \$1,182,665 for this category.

1 Q. PLEASE EXPLAIN THE “ROUTINE REPLACEMENT – NON-LEAKING  
2 UNPROTECTED PIPE” CATEGORY.

3 A. This category includes replacement of unprotected steel service lines that were not  
4 leaking. The unprotected steel service lines were replaced to comply with various  
5 regulations including 49 C.F.R. § 192.613(b), as adopted by K.A.R. 82-11-4, which  
6 requires piping found to be unsatisfactory be phased out or replaced. Replacement  
7 reasons include issues such as:

- 8 • The service line’s tap was exposed during maintenance of main and corrosion  
9 was found requiring replacement pursuant to 49 C.F.R. § 192.453(b), as  
10 adopted by K.A.R. 82-11-4;
- 11 • The service line was exposed during pot-holing and corrosion was found  
12 requiring replacement per 49 C.F.R. § 192.453(b), as adopted by K.A.R. 82-  
13 11-4;
- 14 • The service line was under the influence of soil subsidence found through  
15 patrolling and required replacement pursuant to 49 C.F.R. § 192.721, as  
16 adopted by K.A.R. 82-11-4; and
- 17 • The current location of the service line was found to be too shallow and  
18 required replacement pursuant to 49 C.F.R. § 192.613, as adopted by K.A.R.  
19 82-11-4.

20 All service lines included in this category are subject to 49 C.F.R. § 192.453, as  
21 adopted by K.A.R. 82-11-4, which will inevitably trigger replacement of all unprotected  
22 steel lines by regulation. These service lines were also replaced pursuant to the  
23 Commission’s Order in the 177 Docket, in accordance with the service line  
24 replacement program. As shown in Exhibit JRR-3, during the period beginning July 1,



1 2021 through June 30, 2022, the Company replaced 8,217 service lines at a cost of  
2 \$24,973,626 for this category.

3 **Q. PLEASE EXPLAIN THE “PUBLIC IMPROVEMENT” CATEGORY.**

4 A. As explained in my testimony above related to Exhibit JRR-2, government mandated  
5 relocation projects require the Company to relocate its mains in the street. The costs  
6 of government mandated relocation projects are recoverable pursuant to K.S.A. 66-  
7 2202(f)(3). When performing main relocation (which is the installation of new main)  
8 Kansas Gas Service will install new service line piping to reconnect existing plastic  
9 services and will also replace the unprotected steel service lines with new plastic  
10 service lines. These service line replacements may have also resulted from a direct  
11 conflict with a governmental relocation project where no conflict existed with the main  
12 piping. In these cases, only the service line needed to be replaced, whereas the main  
13 did not need to be replaced. As shown in Exhibit JRR-3, during the period July 1, 2021  
14 through June 30, 2022, Kansas Gas Service replaced 98 service lines at a cost of  
15 \$306,617 for this category.

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

18 A. These blanket costs address small projects other than service lines. The first group,  
19 “install anodes,” is GSRS eligible pursuant to K.S.A. 66-2202(f)(1), as amended, and  
20 49 C.F.R. §§ 192.455 and 192.457, as adopted by K.A.R. 82-11-4. The total capital  
21 expenditure for these projects is \$851,710. These anodes represent projects which  
22 involve ten anodes or less and thus are included in a blanket work order. The other  
23 category, “Weld Sleeve High Resist Couplings” includes installation of weld sleeves  
24 over high resistance couplings which are required pursuant to either 49 C.F.R. §§  
25 192.457 or 192.455, as adopted by K.A.R. 82-11-4, to reduce the possibility of

1 corrosion of pipes, thereby significantly reducing the chance for leaks and risk to the  
2 general public. The total capital expenditure for these projects is \$271,600.

3 The last category includes our meter costs related to our meter changeout  
4 program. Pursuant to the General Terms and Condition 9.02.03, Kansas Gas Service  
5 is required to routinely test its meters. Kansas Gas Service uses a meter sampling  
6 program to determine which meters need to be replaced because of possible  
7 inaccuracy and failures to meet current industry standards. The total capital  
8 expenditure for these projects is \$10,209,319.

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

10 A. Exhibit JRR-4 sets forth the applicability of section 49 C.F.R. § 192.613, as adopted  
11 by K.A.R. 82-11-4, to those safety related projects identified in Exhibit JRR-1. There  
12 are 83 (eighty three) projects that are identified in JRR-1, whose inclusion as a safety  
13 related project is eligible for recovery in whole or in part under K.S.A. 66-2202(f)(1),  
14 as amended, pursuant to 49 C.F.R. § 192.613, , as adopted by K.A.R. 82-11-4.

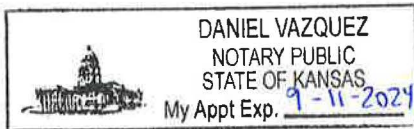
15 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

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

## VERIFICATION

STATE OF KANSAS                    )  
  ) ss.  
COUNTY OF JOHNSON            )

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 Robl  
JORDAN R. ROBL

Subscribed and sworn to before me this 24th day of August, 2022.

[Signature]  
NOTARY PUBLIC

My Appointment Expires:

9-11-2024

Line Number	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)	3/30/2022	3651	054	010149	Legore & Claflin, Manhattan, KS - Install: 2600' - 2" PE. Retire: 2100' - 2" BS, 100' - 2" CS and 200' - 1.25" CS. This project was triggered as part of the 3/5/3 program and was approved for the 2021 C55 annual work plan.	3760	\$ 130,320
2	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	3/30/2022	3651	054	010149	Legore & Claflin, Manhattan, KS - Install: 2600' - 2" PE. Retire: 2100' - 2" BS, 100' - 2" CS and 200' - 1.25" CS. This project was triggered as part of the 3/5/3 program and was approved for the 2021 C55 annual work plan.	3765	\$ 1,305
3	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	3/30/2022	3651	054	010149	Legore & Claflin, Manhattan, KS - Install: 2600' - 2" PE. Retire: 2100' - 2" BS, 100' - 2" CS and 200' - 1.25" CS. This project was triggered as part of the 3/5/3 program and was approved for the 2021 C55 annual work plan.	3780	\$ 218
4	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	3/30/2022	3651	054	010149	Legore & Claflin, Manhattan, KS - Install: 2600' - 2" PE. Retire: 2100' - 2" BS, 100' - 2" CS and 200' - 1.25" CS. This project was triggered as part of the 3/5/3 program and was approved for the 2021 C55 annual work plan.	3800	\$ 83,544
5	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	3/21/2022	3541	054	010706	SE 30th and Minnesota Ave, Topeka, KS - 3-5-3 Bare Steel Replacement. To Install: 2,020' of 2" PE. To Retire: 1,863' 2" APBS; 84' of 2" APCs; 33' of 2" PE. 37 PE Tie-overs	3760	\$ 116,775
6	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	3/21/2022	3541	054	010706	SE 30th and Minnesota Ave, Topeka, KS - 3-5-3 Bare Steel Replacement. To Install: 2,020' of 2" PE. To Retire: 1,863' 2" APBS; 84' of 2" APCs; 33' of 2" PE. 37 PE Tie-overs	3800	\$ 70,894
7	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	3/21/2022	3541	054	010710	2701 SE 6TH AVE, Topeka, KS - To Install: 800-feet 2-inch PE. To Retire: 600-feet 2-inch BS and 200-feet 2-inch CS. Line Depth project: This project was created in C55 under the 3-5-3 program and is part of the company 2021 AWP. The project will replace 600-feet of BS main that has had three leaks appear on it, as well as 200-feet of CS main.	3760	\$ 35,505
8	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	3/21/2022	3541	054	010710	2701 SE 6TH AVE, Topeka, KS - To Install: 800-feet 2-inch PE. To Retire: 600-feet 2-inch BS and 200-feet 2-inch CS. Line Depth project: This project was created in C55 under the 3-5-3 program and is part of the company 2021 AWP. The project will replace 600-feet of BS main that has had three leaks appear on it, as well as 200-feet of CS main.	3800	\$ 21,208
9	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	3/21/2022	3541	054	010712	SE Kentucky between 23rd and 25th, SE 23rd, between Indiana and Ohio and SE Ohio between 23rd & 24th, Topeka, KS To Install: Install 3,135 ft of 2-inch PE which consist of 680 ft on SE Ohio and 1,350 ft on SE Kentucky, 75 ft on Indiana, and 1,030 ft on SE 23rd.To Retire: 790 ft 2-inch APBS, 49 ft of 2-inch cs on SE 23rd, 1,827 ft of 2-inch APBS, 110 ft of 2-inch CS and 61 ft of 2-inch PE on Kentucky & Ohio. 3/5/3 SE 24th &Kentucky (2018) and 3/5/3 SE 23rd and Indiana	3760	\$ 196,077
10	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	3/21/2022	3541	054	010712	SE Kentucky between 23rd and 25th, SE 23rd, between Indiana and Ohio and SE Ohio between 23rd & 24th, Topeka, KS To Install: Install 3,135 ft of 2-inch PE which consist of 680 ft on SE Ohio and 1,350 ft on SE Kentucky, 75 ft on Indiana, and 1,030 ft on SE 23rd.To Retire: 790 ft 2-inch APBS, 49 ft of 2-inch cs on SE 23rd, 1,827 ft of 2-inch APBS, 110 ft of 2-inch CS and 61 ft of 2-inch PE on Kentucky & Ohio. 3/5/3 SE 24th &Kentucky (2018) and 3/5/3 SE 23rd and Indiana	3800	\$ 126,255
11	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	6/29/2022	3522	054	011626	42nd and Woodson -3-5-3 Bare Steel Replacement. To Install: 375' 2" PE Main. To Retire: 320' 2" BS Main 29' 2" CS Main. The main has had several leaks over the years. Currently a leak at 3911 Woodend Drive was temporarily repaired and the 2" BS main was only 6" deep. There is 1 bare steel service line and 3 PEservice line tie overs.	3760	\$ 28,884
12	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	6/29/2022	3522	054	011626	42nd and Woodson -3-5-3 Bare Steel Replacement. To Install: 375' 2" PE Main. To Retire: 320' 2" BS Main 29' 2" CS Main. The main has had several leaks over the years. Currently a leak at 3911 Woodend Drive was temporarily repaired and the 2" BS main was only 6" deep. There is 1 bare steel service line and 3 PEservice line tie overs.	3769	\$ 1,049
13	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	6/29/2022	3522	054	011626	42nd and Woodson -3-5-3 Bare Steel Replacement. To Install: 375' 2" PE Main. To Retire: 320' 2" BS Main 29' 2" CS Main. The main has had several leaks over the years. Currently a leak at 3911 Woodend Drive was temporarily repaired and the 2" BS main was only 6" deep. There is 1 bare steel service line and 3 PEservice line tie overs.	3800	\$ 1,126
14	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	3/30/2022	3522	054	011542	32nd St &Strong Ave - 2020 3-5-3 Replacment - 4" PE - GSRs INSTALL/REPLACE 600' OF 4" PE DUE TO DETERIORATED STEEL PIPE NEARS 32ND ST & STRONG AVES 32nd St &Strong Ave,Kansas City. This project will be completed to remove a section of steel main withfive leaks (1 being recent) and replacing with 4" PE. Install:600' of 4" PE main Retire: 290' of 4" BS 270' of 6" BS 18' of 4" CS 21' of 2" PE 4' of 3" PE.	3760	\$ 104,127
15	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	3/30/2022	3522	054	011542	32nd St &Strong Ave - 2020 3-5-3 Replacment - 4" PE - GSRs INSTALL/REPLACE 600' OF 4" PE DUE TO DETERIORATED STEEL PIPE NEARS 32ND ST & STRONG AVES 32nd St &Strong Ave,Kansas City. This project will be completed to remove a section of steel main withfive leaks (1 being recent) and replacing with 4" PE. Install:600' of 4" PE main Retire: 290' of 4" BS 270' of 6" BS 18' of 4" CS 21' of 2" PE 4' of 3" PE.	3769	\$ 2,404
16	3-5-3 Program Replacement	KCC Docket No. 14-KGSG-100-MIS and 192.613 (b)	3/30/2022	3522	054	011542	32nd St &Strong Ave - 2020 3-5-3 Replacment - 4" PE - GSRs INSTALL/REPLACE 600' OF 4" PE DUE TO DETERIORATED STEEL PIPE NEARS 32ND ST & STRONG AVES 32nd St &Strong Ave,Kansas City. This project will be completed to remove a section of steel main withfive leaks (1 being recent) and replacing with 4" PE. Install:600' of 4" PE main Retire: 290' of 4" BS 270' of 6" BS 18' of 4" CS 21' of 2" PE 4' of 3" PE.	3800	\$ 14,945
	3-5-3 Program Replacement Total								\$ 934,635
17	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3831	055	010043	Bare Steel Main Replacement - Randolph & Birch Street, Moran - Retire 150' of 2" APBS main exposed while The City of Moran was cleaning out ditches. Main is too shallow and needs to be lowered and relocated. Install 210' of 2" PE main.	3760	\$ 3,218
18	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3831	055	010043	Bare Steel Main Replacement - Randolph & Birch Street, Moran - Retire 150' of 2" APBS main exposed while The City of Moran was cleaning out ditches. Main is too shallow and needs to be lowered and relocated. Install 210' of 2" PE main.	3800	\$ 22
19	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3653	053	010061	4th & D St, Washington, KS - Install: 1800' - 4" PE and 1400' - 2" PE Retire: 900' - 4" BS, 600' - 4" CS, and 200' - 2" BS Regulator stations 2764-0649-FR and 2764-0644 both have class 3 leaks and need to be repaired. As opposed to repairing the leaking components and leaving these regulator stations in service, we will run 1600' of 4" PE along D St to reinforce the 20 PSIG system and retire the stations. This main installation will also prepare the system for future bare steel replacement projects by supplying a central tie-in location. All bare steel main to be retired has an unknown vintage with no records.	3760	\$ 226,003
20	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3653	053	010061	4th & D St, Washington, KS - Install: 1800' - 4" PE and 1400' - 2" PE Retire: 900' - 4" BS, 600' - 4" CS, and 200' - 2" BS Regulator stations 2764-0649-FR and 2764-0644 both have class 3 leaks and need to be repaired. As opposed to repairing the leaking components and leaving these regulator stations in service, we will run 1600' of 4" PE along D St to reinforce the 20 PSIG system and retire the stations. This main installation will also prepare the system for future bare steel replacement projects by supplying a central tie-in location. All bare steel main to be retired has an unknown vintage with no records.	3800	\$ 38,844
21	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3531	054	010102	4th St & Custer St, Leavenworth, KS -2021. BS Replacement. Install 100' of 2" PE main. Retire 961' of 2" BS and 63' 2" CS main. Incorporate the small sections of piping currently operating on the 40 psig system into the 9 psi system so that we don't have to bore underneath the creek.	3760	\$ 9,196
22	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3531	054	010102	4th St & Custer St, Leavenworth, KS -2021. BS Replacement. Install 100' of 2" PE main. Retire 961' of 2" BS and 63' 2" CS main. Incorporate the small sections of piping currently operating on the 40 psig system into the 9 psi system so that we don't have to bore underneath the creek.	3800	\$ 43,430
23	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3831	053	010103	Main Replacement - US-59 & Canville Street, Erie - Abandon 651' of 6" RPCS & 517' of 5" RPBS. Install 1150' of 6" RPCS.	3765	\$ 135,132
24	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3831	053	010103	Main Replacement - US-59 & Canville Street, Erie - Abandon 651' of 6" RPCS & 517' of 5" RPBS. Install 1150' of 6" RPCS.	3800	\$ 19,293
25	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3653	053	010107	Location: 407 South ST, Axtell, KS To Install: 45-feet 2-inch CS, 720-feet 4-inch CS To Retire: 300-feet 2-inch BS TBS Relocation project: This main relocation project in conjunction with Transmission relocating the TBS for Axtell due to obsolescence in Axtell, KS. Adjustments and/or replacements will be necessary for 1 PE service line.	3765	\$ 89,671
26	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3653	053	010107	Location: 407 South ST, Axtell, KS To Install: 45-feet 2-inch CS, 720-feet 4-inch CS To Retire: 300-feet 2-inch BS TBS Relocation project: This main relocation project in conjunction with Transmission relocating the TBS for Axtell due to obsolescence in Axtell, KS. Adjustments and/or replacements will be necessary for 1 PE service line.	3769	\$ 258
27	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3653	053	010107	Location: 407 South ST, Axtell, KS To Install: 45-feet 2-inch CS, 720-feet 4-inch CS To Retire: 300-feet 2-inch BS TBS Relocation project: This main relocation project in conjunction with Transmission relocating the TBS for Axtell due to obsolescence in Axtell, KS. Adjustments and/or replacements will be necessary for 1 PE service line.	3820	\$ 5,051
28	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2022	3642	053	010134	Main Replacement - Hobart & Alley N of Main, Glen Elder - Retire 12' of 2" BS & 8' of 2" PE main to replace a uncovered steel collar and allow for the installation of an essential valve. Install 17' of 2" PE main.	3760	\$ 3,075

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
29	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3653	054	010139	609 Lafayette ST, Clay Center, KS. To Install: 600-feet 2-inch PE, 2-feet 2-inch CS. To Retire: 485-feet 2-inch BS, 90-feet 2-inch CS, 25-feet 2-inch PE. Line Depth project: This project is a LK repair project to replace 500' 2" BS that was found to be leaking in Clay Center, KS.	3760	\$ 16,674
30	Bare Steel Main Replacement	K.S.A. 66-2202	9/16/2021	3651	054	010148	LOCATION: 112 S Washington St, Junction City, KS Install: 600' - 2" PE Retire: 450' - 2" CS and 100' - 2" BS The 2" bare steel main crossing Washington St was found to be inserted inside of a 3" casing, and just West of the casing is a tap, short bolt-on dresser, old saddle tap, and another service tap all within a 4 ft span. The dresser is unable to be tubbed because of the nearby inadequate fittings being too congested to make room to weld. These congested fittings and casing were discovered during blanket bare steel service replacement work. This project will retire the old inadequate components while retiring the inserted bare steel main. The remainder of the CS main will be retired to remove the anode protected CP system. 10 PE service tie-overs.	3760	\$ 62,278
31	Bare Steel Main Replacement	K.S.A. 66-2202	9/16/2021	3651	054	010148	LOCATION: 112 S Washington St, Junction City, KS Install: 600' - 2" PE Retire: 450' - 2" CS and 100' - 2" BS The 2" bare steel main crossing Washington St was found to be inserted inside of a 3" casing, and just West of the casing is a tap, short bolt-on dresser, old saddle tap, and another service tap all within a 4 ft span. The dresser is unable to be tubbed because of the nearby inadequate fittings being too congested to make room to weld. These congested fittings and casing were discovered during blanket bare steel service replacement work. This project will retire the old inadequate components while retiring the inserted bare steel main. The remainder of the CS main will be retired to remove the anode protected CP system. 10 PE service tie-overs.	3800	\$ 3,228
32	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3651	054	010151	120 E 5TH ST, Chapman, KS - To Install: 1230-feet 2-inch PE. To Retire: 355-feet 2-inch CS and 875-feet 2-inch BS LK Repair project: This project is a leak repair project to repair two active leaks on the main that need a permanent repair.	3760	\$ 51,839
33	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3651	054	010151	120 E 5TH ST, Chapman, KS - To Install: 1230-feet 2-inch PE. To Retire: 355-feet 2-inch CS and 875-feet 2-inch BS LK Repair project: This project is a leak repair project to repair two active leaks on the main that need a permanent repair.	3800	\$ 9,916
34	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3651	054	010152	1400 Harry Rd. Manhattan, KS - Install: 550ft of 2in PE and 450ft of 4in PE. Retire: DRS 3201-0012-FR and 32ft of 4in APBS. The DRS has a broken bypass valve and visible pitting. Three tie-overs will be made to support this neighborhood which is currently fed solely by this DRS. T	3760	\$ 106,072
35	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3651	054	010152	1400 Harry Rd. Manhattan, KS - Install: 550ft of 2in PE and 450ft of 4in PE. Retire: DRS 3201-0012-FR and 32ft of 4in APBS. The DRS has a broken bypass valve and visible pitting. Three tie-overs will be made to support this neighborhood which is currently fed solely by this DRS. T	3800	\$ 538
36	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3911	054	010165	BS Main Replacement - Summit & Park, El Dorado - Retire 655' of 2" RPBS main as part of the 2021 annual work plan projects. Install 655' of 2" PE main. Project identified in the second release of the projects in the 2021 AWP.	3760	\$ 86,655
37	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3911	054	010165	BS Main Replacement - Summit & Park, El Dorado - Retire 655' of 2" RPBS main as part of the 2021 annual work plan projects. Install 655' of 2" PE main. Project identified in the second release of the projects in the 2021 AWP.	3765	\$ 5,383
38	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3911	054	010165	BS Main Replacement - Summit & Park, El Dorado - Retire 655' of 2" RPBS main as part of the 2021 annual work plan projects. Install 655' of 2" PE main. Project identified in the second release of the projects in the 2021 AWP.	3800	\$ 72,311
39	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3911	054	010166	BS Main Replacement - W Olive & S Star, El Dorado - Retire 130' of 4" RPBS main with inadequate remaining wall thickness preventing a permanent repair on a grade 3 leak on the existing main segment. Install 150' of 4" RPCS main.	3760	\$ 3,100
40	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3911	054	010166	BS Main Replacement - W Olive & S Star, El Dorado - Retire 130' of 4" RPBS main with inadequate remaining wall thickness preventing a permanent repair on a grade 3 leak on the existing main segment. Install 150' of 4" RPCS main.	3765	\$ 45,406
41	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3911	054	010166	BS Main Replacement - W Olive & S Star, El Dorado - Retire 130' of 4" RPBS main with inadequate remaining wall thickness preventing a permanent repair on a grade 3 leak on the existing main segment. Install 150' of 4" RPCS main.	3800	\$ 3,653
42	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3911	054	010167	BS Main Replacement - Topeka & Kansas, El Dorado - Retire 330' of 2" PE, 100' of 3" PE, 250' of 2" RPBS, 100' of 2" RPCS, and 1,075' of 6" RPBS main as part of the 2021 annual work plan projects. Install 1,075' of 6" RPCS main.	3760	\$ 12,735
43	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3911	054	010167	BS Main Replacement - Topeka & Kansas, El Dorado - Retire 330' of 2" PE, 100' of 3" PE, 250' of 2" RPBS, 100' of 2" RPCS, and 1,075' of 6" RPBS main as part of the 2021 annual work plan projects. Install 1,075' of 6" RPCS main.	3765	\$ 146,148
44	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3911	054	010167	BS Main Replacement - Topeka & Kansas, El Dorado - Retire 330' of 2" PE, 100' of 3" PE, 250' of 2" RPBS, 100' of 2" RPCS, and 1,075' of 6" RPBS main as part of the 2021 annual work plan projects. Install 1,075' of 6" RPCS main.	3800	\$ 15,290
45	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2022	3911	054	010168	BS Main Replacement - 3rd & Atchinson, El Dorado - Retire 695' of 6" RPBS, 200' of 4" RPBS, 240' of 3" RPCS main. Retire DRS and station piping. Project was worked as part of the 2021 annual work plan projects. Install 575' of 6" RPCS and 120' of 2" PE main.	3760	\$ 81,317
46	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2022	3911	054	010168	BS Main Replacement - 3rd & Atchinson, El Dorado - Retire 695' of 6" RPBS, 200' of 4" RPBS, 240' of 3" RPCS main. Retire DRS and station piping. Project was worked as part of the 2021 annual work plan projects. Install 575' of 6" RPCS and 120' of 2" PE main.	3765	\$ 105,390
47	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2022	3911	054	010168	BS Main Replacement - 3rd & Atchinson, El Dorado - Retire 695' of 6" RPBS, 200' of 4" RPBS, 240' of 3" RPCS main. Retire DRS and station piping. Project was worked as part of the 2021 annual work plan projects. Install 575' of 6" RPCS and 120' of 2" PE main.	3800	\$ 56,018
48	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3911	054	010169	BS Main Replacement - SE River Rd & Poor Farm Rd, El Dorado - Retire 904' of 3" RPBS main in steel casing and to eliminate the need to monitoring a segment of main that isn't easily accessible. Install 2" PE main.	3760	\$ 18,306
49	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3911	054	010169	BS Main Replacement - SE River Rd & Poor Farm Rd, El Dorado - Retire 904' of 3" RPBS main in steel casing and to eliminate the need to monitoring a segment of main that isn't easily accessible. Install 2" PE main.	3765	\$ 3,937
50	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3911	054	010169	BS Main Replacement - SE River Rd & Poor Farm Rd, El Dorado - Retire 904' of 3" RPBS main in steel casing and to eliminate the need to monitoring a segment of main that isn't easily accessible. Install 2" PE main.	3800	\$ 26,209
51	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3911	054	010169	BS Main Replacement - SE River Rd & Poor Farm Rd, El Dorado - Retire 904' of 3" RPBS main in steel casing and to eliminate the need to monitoring a segment of main that isn't easily accessible. Install 2" PE main.	3820	\$ 1,082
52	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3911	054	010169	BS Main Replacement - SE River Rd & Poor Farm Rd, El Dorado - Retire 904' of 3" RPBS main in steel casing and to eliminate the need to monitoring a segment of main that isn't easily accessible. Install 2" PE main.	3830	\$ 96
53	Bare Steel Main Replacement	K.S.A. 66-2202	9/16/2021	3911	054	010170	BS Main Replacement - 429 N Ohio, El Dorado - Retire 47' of 3" RPBS main due to corrosion deficiency and bound pipe containing multiple couplings. Install 50' of 2" PE main.	3760	\$ 6,909
54	Bare Steel Main Replacement	K.S.A. 66-2202	9/16/2021	3911	054	010170	BS Main Replacement - 429 N Ohio, El Dorado - Retire 47' of 3" RPBS main due to corrosion deficiency and bound pipe containing multiple couplings. Install 50' of 2" PE main.	3769	\$ 870
55	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3911	054	010172	BS Main Replacement - Topeka & Cave Springs, El Dorado - Retire 350' of 2" UPBS main as part of the 2022 annual work plan projects. Install 350' of 2" PE main.	3760	\$ 36,780
56	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3911	054	010172	BS Main Replacement - Topeka & Cave Springs, El Dorado - Retire 350' of 2" UPBS main as part of the 2022 annual work plan projects. Install 350' of 2" PE main.	3800	\$ 13,941
57	Bare Steel Main Replacement	K.S.A. 66-2202	9/20/2021	3533	054	010191	BS Main Replacement - 5TH and Oregon St, Hiawatha, KS - To Install: 220-feet 2-inch PE To Retire: 180-feet 4-inch BS.	3760	\$ 57,591
58	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3635	054	010192	BS Main Replacement - Ave A & Ash St, McPherson - Retire 325' of 4" APBS main due to multiple cathodic deficiencies from couplings on the existing main segment. Install 325' of 4" PE main.	3760	\$ 31,579
59	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3635	054	010192	BS Main Replacement - Ave A & Ash St, McPherson - Retire 325' of 4" APBS main due to multiple cathodic deficiencies from couplings on the existing main segment. Install 325' of 4" PE main.	3769	\$ 431

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
60	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3635	054	010192	BS Main Replacement - Ave A & Ash St, McPherson - Retire 325' of 4" APBS main due to multiple cathodic deficiencies from couplings on the existing main segment. Install 325' of 4" PE main.	3800	\$ 1,143
61	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3635	054	010192	BS Main Replacement - Ave A & Ash St, McPherson - Retire 325' of 4" APBS main due to multiple cathodic deficiencies from couplings on the existing main segment. Install 325' of 4" PE main.	3820	\$ 1,730
62	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3641	053	010197	Main Replacement - 10th & Republic, Saline - Retire 450' of 4" RPBS main after a water main break exposed a coupling just below the pavement on the existing main segment. Install 450' of 4" PE main.	3760	\$ 35,398
63	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3641	053	010201	BS Main Replacement - SE 2nd & Campbell, Abilene - Retire 225' of 2" BS and 325' of 2" CS main found passing through a city storm drain. Install 500' of 2" BS Main.	3760	\$ 12,752
64	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3641	053	010201	BS Main Replacement - SE 2nd & Campbell, Abilene - Retire 225' of 2" BS and 325' of 2" CS main found passing through a city storm drain. Install 500' of 2" BS Main.	3800	\$ 3,044
65	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3635	054	010213	BS Main Replacement - 3rd & Maple, McPherson - Retire DRS, 1,890' of 4" APBS, 2,210 of 2" APBS and 198' of 2" PE main as part of the 2021 annual work plan projects. Install 4,600' of 2" PE main.	3760	\$ 211,585
66	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3635	054	010213	BS Main Replacement - 3rd & Maple, McPherson - Retire DRS, 1,890' of 4" APBS, 2,210 of 2" APBS and 198' of 2" PE main as part of the 2021 annual work plan projects. Install 4,600' of 2" PE main.	3800	\$ 28,395
67	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3635	054	010213	BS Main Replacement - 3rd & Maple, McPherson - Retire DRS, 1,890' of 4" APBS, 2,210 of 2" APBS and 198' of 2" PE main as part of the 2021 annual work plan projects. Install 4,600' of 2" PE main.	3820	\$ 2,165
68	Bare Steel Main Replacement	K.S.A. 66-2202	8/3/2021	3635	054	010216	BS Main Replacement - 403 S Vernon, Lehigh - Retire 200' of 2" APBS main due to two leaking Dresser couplings in close proximity to service line tap. Install 200' of 2" PE main.The crews were out on a leak repair at 403 S Vernon in Lehigh. When they dug it up they found a leaking dresser that couldn't be tubbed because it was too close to the tap as well as another dresser.	3760	\$ 2,732
69	Bare Steel Main Replacement	K.S.A. 66-2202	8/3/2021	3635	054	010216	BS Main Replacement - 403 S Vernon, Lehigh - Retire 200' of 2" APBS main due to two leaking Dresser couplings in close proximity to service line tap. Install 200' of 2" PE main.The crews were out on a leak repair at 403 S Vernon in Lehigh. When they dug it up they found a leaking dresser that couldn't be tubbed because it was too close to the tap as well as another dresser.	3769	\$ 96
70	Bare Steel Main Replacement	K.S.A. 66-2202	8/3/2021	3635	054	010216	BS Main Replacement - 403 S Vernon, Lehigh - Retire 200' of 2" APBS main due to two leaking Dresser couplings in close proximity to service line tap. Install 200' of 2" PE main.The crews were out on a leak repair at 403 S Vernon in Lehigh. When they dug it up they found a leaking dresser that couldn't be tubbed because it was too close to the tap as well as another dresser.	3800	\$ 403
71	Bare Steel Main Replacement	K.S.A. 66-2202	8/12/2021	3635	054	010218	BS Main Replacement - 418 E Saline, Lindsborg - Retire 30' of 2" RPBS & 30' of 2" RPCS main to permanently repair a tightened and leaking coupling on existing main segment. Install 60' of 2" RPCS main. LK2021-10027994	3765	\$ 27,542
72	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3635	054	010219	BS Main Replacement - 209 N Walton, Marquette - Retire 465' of 2" APBS main due to leaking Dresser coupling on existing main segment. Install 170' of 2" PE main.	3760	\$ 8,187
73	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3635	054	010219	BS Main Replacement - 209 N Walton, Marquette - Retire 465' of 2" APBS main due to leaking Dresser coupling on existing main segment. Install 170' of 2" PE main.	3769	\$ 429
74	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3635	054	010219	BS Main Replacement - 209 N Walton, Marquette - Retire 465' of 2" APBS main due to leaking Dresser coupling on existing main segment. Install 170' of 2" PE main.	3800	\$ 3,400
75	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3635	054	010220	BS Main Replacement - 807 E Euclid, McPherson - Retire 501' of 4" APBS main due to leaking collar and main location in close proximity to sewer main preventing a permanent repair. Install and relocate 440' of 2" PE main.	3760	\$ 12,573
76	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3635	054	010220	BS Main Replacement - 807 E Euclid, McPherson - Retire 501' of 4" APBS main due to leaking collar and main location in close proximity to sewer main preventing a permanent repair. Install and relocate 440' of 2" PE main.	3800	\$ 1,272
77	Bare Steel Main Replacement	K.S.A. 66-2202	7/1/2022	3635	054	010223	Scope of Work: Install: 450' of 2" PE and 10' of 4" PE. Retire: 450' of 2-1/2" APBS and 10' of 2" APCS Main. 1 Service Line Tie Over.	3760	\$ 39,333
78	Bare Steel Main Replacement	K.S.A. 66-2202	7/1/2022	3635	054	010223	Scope of Work: Install: 450' of 2" PE and 10' of 4" PE. Retire: 450' of 2-1/2" APBS and 10' of 2" APCS Main. 1 Service Line Tie Over.	3800	\$ 249
79	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3521	054	010241	2021 BS Replacement @ 8th St & Indiana St, Baldwin City, KS Install 780' of 2" PE and 2150' of 4" PE. Retire 407' of 2" BS, 680' of 3" BS, 1709' of 4" BS, 146' of 2" CS and 86' of 3" CS. This project is being submitted for the 2021 annual work plan and contributes towards the total bare steel replacement services needed for 2021.	3760	\$ 231,134



Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
80	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3521	054	010241	2021 BS Replacement @ 8th St & Indiana St, Baldwin City, KS Install 780' of 2" PE and 2150' of 4" PE. Retire 407' of 2" BS, 680' of 3" BS, 1709' of 4" BS, 146' of 2" CS and 86' of 3" CS. This project is being submitted for the 2021 annual work plan and contributes towards the total bare steel replacement services needed for 2021.	3800	\$ 35,993
81	Bare Steel Main Replacement	K.S.A. 66-2202	9/20/2021	3521	054	010242	1st and Cedar, Ottawa, KS - 2021 Bare Steel Replacement. Install: 929' of 2" PE main. Retire: 472' of 2" BS main and 457' of 2" CS main This work is being done as part of the 2021 Bare Steel Replacement Projects.	3760	\$ 32,974
82	Bare Steel Main Replacement	K.S.A. 66-2202	9/20/2021	3521	054	010242	1st and Cedar, Ottawa, KS - 2021 Bare Steel Replacement. Install: 929' of 2" PE main. Retire: 472' of 2" BS main and 457' of 2" CS main This work is being done as part of the 2021 Bare Steel Replacement Projects.	3800	\$ 3,060
83	Bare Steel Main Replacement	K.S.A. 66-2202	8/25/2021	3521	054	010244	5th and Main, Ottawa, KS - Bare Steel Replacement. Install: 200' of 4" PE main. Retire: 200' of 4" BS main. This work is being done as part of the 2021 Bare Steel Replacement Projects.	3760	\$ 21,164
84	Bare Steel Main Replacement	K.S.A. 66-2202	8/25/2021	3521	054	010244	5th and Main, Ottawa, KS - Bare Steel Replacement. Install: 200' of 4" PE main. Retire: 200' of 4" BS main. This work is being done as part of the 2021 Bare Steel Replacement Projects.	3769	\$ 642
85	Bare Steel Main Replacement	K.S.A. 66-2202	8/25/2021	3521	054	010244	5th and Main, Ottawa, KS - Bare Steel Replacement. Install: 200' of 4" PE main. Retire: 200' of 4" BS main. This work is being done as part of the 2021 Bare Steel Replacement Projects.	3800	\$ 18,360
86	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3521	054	010246	505 Holly - Paola - BS Main Replacement for Leak Repair. To Install: 600' 2" PE Main. To Retire: 424' 2" BS Main 186' 2" PE Main. This work is being done to replace the 2" BS Main crossing Hospital Drive that have a class 2 leak on it (LK2019-10091705).	3760	\$ 14,011
87	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3521	054	010246	505 Holly - Paola - BS Main Replacement for Leak Repair. To Install: 600' 2" PE Main. To Retire: 424' 2" BS Main 186' 2" PE Main. This work is being done to replace the 2" BS Main crossing Hospital Drive that have a class 2 leak on it (LK2019-10091705).	3765	\$ 428
88	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3521	054	010246	505 Holly - Paola - BS Main Replacement for Leak Repair. To Install: 600' 2" PE Main. To Retire: 424' 2" BS Main 186' 2" PE Main. This work is being done to replace the 2" BS Main crossing Hospital Drive that have a class 2 leak on it (LK2019-10091705).	3800	\$ 900
89	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3521	054	010248	BS Main Replacement - 1110 N Poplar, Ottawa, KS - Install: 350' of 2" PE. Retire: 350 of 2" BS. This project is necessary to eliminate a temporary repair on our bare steel main.	3760	\$ 7,967
90	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3521	054	010248	BS Main Replacement - 1110 N Poplar, Ottawa, KS - Install: 350' of 2" PE. Retire: 350 of 2" BS. This project is necessary to eliminate a temporary repair on our bare steel main.	3800	\$ 89
91	Bare Steel Main Replacement	K.S.A. 66-2202	9/21/2021	3622	054	010277	Main Replacement - 4th & Oak, Pratt - Retire 120' of 3" RPBS main due to deterioration, isolation, and exposed couplings. Install 120' of 4" RPCS main. Worked in conjunction with the BS SL renewals on existing segment of main.	3765	\$ 20,708
92	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3622	054	010279	BS Main Replacement - 1st & Illif, Medicine Lodge - Retire 50' of 2" APBS main due to significant corrosion on steel to PE transition fitting. Install 50' of 2" PE main. The 2" BS main was exposed at the transition to PE and the BS was found to be badly corroded and in need of being replaced.	3760	\$ 3,321
93	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3622	054	010279	BS Main Replacement - 1st & Illif, Medicine Lodge - Retire 50' of 2" APBS main due to significant corrosion on steel to PE transition fitting. Install 50' of 2" PE main. The 2" BS main was exposed at the transition to PE and the BS was found to be badly corroded and in need of being replaced.	3769	\$ 448
94	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3622	054	010280	BS Main Replacement - 116 E Coop, Kingsdown, KS. This is work order is being written so that we can lower exposed main. We will need to replace 40' of 2" BS with 40' of 2" CS.	3765	\$ 9,719
95	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3622	054	010280	BS Main Replacement - 116 E Coop, Kingsdown, KS. This is work order is being written so that we can lower exposed main. We will need to replace 40' of 2" BS with 40' of 2" CS.	3769	\$ 567
96	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3622	054	010282	BS Main Replacement - W Eight & S Jackson, Pratt - Retire 40' of 6" BS and 14' of 4" BS due to leak on existing main segment. Install 54' of 6" CS and 14' of 4" CS main.	3765	\$ 31,107
97	Bare Steel Main Replacement	K.S.A. 66-2202	3/21/2022	3622	054	010283	BS Main Replacement - 708 W 1st, Pratt - Retire 30' of 2" RPBS main due to leaking coupling on existing main segment. Install 30' of 2" PE main.	3760	\$ 3,665
98	Bare Steel Main Replacement	K.S.A. 66-2202	3/21/2022	3622	054	010284	Main Replacement - 409 S Peal, Pratt - Retire 30' of 2' BS main due to leaking Dresser coupling on existing main segment. Install 30' of 2" PE main.	3760	\$ 6,353
99	Bare Steel Main Replacement	K.S.A. 66-2202	9/16/2021	3831	054	010291	BS Main Replacement - SW 1000 RD & Iola St, Welda - Retire 417' of 2" RPBS main due to leak on existing main segment. Install 365' of 2" PE main.	3760	\$ 5,130

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
100	Bare Steel Main Replacement	K.S.A. 66-2202	9/16/2021	3831	054	010291	BS Main Replacement - SW 1000 RD & Iola St, Welda - Retire 417' of 2" RPBS main due to leak on existing main segment. Install 365' of 2" PE main.	3800	\$ 123
101	Bare Steel Main Replacement	K.S.A. 66-2202	7/2/2021	3761	054	010292	BS Main Replacement - 1118 E 12th, Galena - Retire 422' of 3" UPBS main due to corrosion deficiency. Install 430' of 4" PE main.	3760	\$ 16,698
102	Bare Steel Main Replacement	K.S.A. 66-2202	7/2/2021	3761	054	010292	BS Main Replacement - 1118 E 12th, Galena - Retire 422' of 3" UPBS main due to corrosion deficiency. Install 430' of 4" PE main.	3800	\$ 297
103	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3761	054	010293	APBS Main Replacement - 928 E 10th, Pittsburg - Retire 280' of 3"APBS, 56' of 3" APCS, and 10' of 4" PE main due to isolated main segments and work being performed with the BS service line renewal at the same address. Tap location for BS service line was located under a concrete driveway. Install 380' of 4" PE main.	3760	\$ 21,839
104	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3761	054	010293	APBS Main Replacement - 928 E 10th, Pittsburg - Retire 280' of 3"APBS, 56' of 3" APCS, and 10' of 4" PE main due to isolated main segments and work being performed with the BS service line renewal at the same address. Tap location for BS service line was located under a concrete driveway. Install 380' of 4" PE main.	3800	\$ 225
105	Bare Steel Main Replacement	K.S.A. 66-2202	2/28/2022	3831	054	010293	BS Main Replacement - 28th & Clark, Parsons - Retire 492' of 2" BS, 673' of 3" BS, 1,571' of 4" BS, 1,096' of 2" APBS, 84' of 2" APCS, 35' of 4" APCS, 19' of 6" APCS, 344' of 2" PE, and 10' of 4" PE main as part of the 2021 annual work plan projects. Install 3,635' of 2" PE, 450' of 4" PE.	3760	\$ 237,755
106	Bare Steel Main Replacement	K.S.A. 66-2202	2/28/2022	3831	054	010293	BS Main Replacement - 28th & Clark, Parsons - Retire 492' of 2" BS, 673' of 3" BS, 1,571' of 4" BS, 1,096' of 2" APBS, 84' of 2" APCS, 35' of 4" APCS, 19' of 6" APCS, 344' of 2" PE, and 10' of 4" PE main as part of the 2021 annual work plan projects. Install 3,635' of 2" PE, 450' of 4" PE.	3765	\$ 100
107	Bare Steel Main Replacement	K.S.A. 66-2202	2/28/2022	3831	054	010293	BS Main Replacement - 28th & Clark, Parsons - Retire 492' of 2" BS, 673' of 3" BS, 1,571' of 4" BS, 1,096' of 2" APBS, 84' of 2" APCS, 35' of 4" APCS, 19' of 6" APCS, 344' of 2" PE, and 10' of 4" PE main as part of the 2021 annual work plan projects. Install 3,635' of 2" PE, 450' of 4" PE.	3800	\$ 82,400
108	Bare Steel Main Replacement	K.S.A. 66-2202	2/28/2022	3761	054	010294	BS Main Replacement - Quincy & Olive, Pittsburg - Retire 421' of 4" UPBS main with down cathodic protection reads and included within the top 1% of riskiest assets within the area. Install 426' of 4" PE main.	3760	\$ 31,395
109	Bare Steel Main Replacement	K.S.A. 66-2202	2/28/2022	3761	054	010294	BS Main Replacement - Quincy & Olive, Pittsburg - Retire 421' of 4" UPBS main with down cathodic protection reads and included within the top 1% of riskiest assets within the area. Install 426' of 4" PE main.	3800	\$ 5,330
110	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3831	054	010296	BS Main Replacement - 23rd & Corning, Parsons - Retire 1,296' of 4" UPBS and 175' of 3" UPBS as part of the 2021 annual work plan projects. Install 1,520' of 2" PE main.	3760	\$ 48,455
111	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3831	054	010296	BS Main Replacement - 23rd & Corning, Parsons - Retire 1,296' of 4" UPBS and 175' of 3" UPBS as part of the 2021 annual work plan projects. Install 1,520' of 2" PE main.	3769	\$ 348
112	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3831	054	010296	BS Main Replacement - 23rd & Corning, Parsons - Retire 1,296' of 4" UPBS and 175' of 3" UPBS as part of the 2021 annual work plan projects. Install 1,520' of 2" PE main.	3800	\$ 9,233
113	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3831	054	010296	BS Main Replacement - 23rd & Corning, Parsons - Retire 1,296' of 4" UPBS and 175' of 3" UPBS as part of the 2021 annual work plan projects. Install 1,520' of 2" PE main.	3830	\$ 208
114	Bare Steel Main Replacement	K.S.A. 66-2202	10/4/2021	3761	054	010300	BS Main Replacement - 4th St & 4th Cir, Pittsburg - Retire 412' of 2" UPBS main as part of the BS main replacement program. Install 412' of 2" PE main.	3760	\$ 26,767
115	Bare Steel Main Replacement	K.S.A. 66-2202	10/4/2021	3761	054	010300	BS Main Replacement - 4th St & 4th Cir, Pittsburg - Retire 412' of 2" UPBS main as part of the BS main replacement program. Install 412' of 2" PE main.	3800	\$ 11,647
116	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3831	054	010300	BS Main Replacement - 1000 Road & Iola, Welda - Retire 451' of 2" RPBS main uncovered and found to be in poor condition. BS main contained multiple Dresser fittings and pipe wall is too thin to weld on. Install 475' of 2" RPCS main	3760	\$ 211
117	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3831	054	010300	BS Main Replacement - 1000 Road & Iola, Welda - Retire 451' of 2" RPBS main uncovered and found to be in poor condition. BS main contained multiple Dresser fittings and pipe wall is too thin to weld on. Install 475' of 2" RPCS main	3765	\$ 13,936
118	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3831	054	010300	BS Main Replacement - 1000 Road & Iola, Welda - Retire 451' of 2" RPBS main uncovered and found to be in poor condition. BS main contained multiple Dresser fittings and pipe wall is too thin to weld on. Install 475' of 2" RPCS main	3800	\$ 70
119	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3532	054	010302	BS Main Replacement - 341 Searle St, Whiting - Retire 10' of 2" BS main due to leaking fitting on existing main segment. Install 10' of 2" CS main.	3765	\$ 1,462



Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
120	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3532	054	010305	Location: 829 Chestnut ST, Everest, KS. To Install: 275-feet 2-inch PE. To Retire:275-feet 2-inch BS. This project is a main replacement due to a leak that was found on the main at 829 Chestnut ST as reported in SR # 2021-10213862. The main was too thin to weld a sleeve on, therefore a permanent repair is required.	3760	\$ 14,934
121	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3532	054	010305	Location: 829 Chestnut ST, Everest, KS. To Install: 275-feet 2-inch PE. To Retire:275-feet 2-inch BS. This project is a main replacement due to a leak that was found on the main at 829 Chestnut ST as reported in SR # 2021-10213862. The main was too thin to weld a sleeve on, therefore a permanent repair is required.	3800	\$ 305
122	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3761	054	010307	BS Main Replacement - Garfield & Illinois, Columbus - Retire 11' of 2" RPCS,155' of 1.25" RPCS, 577' of 2" RPBS and 25' of 2" PE main exposed and steel main constructed of boiler pipe preventing repairs made by KGS. Install 810' of 2" PE main.	3760	\$ 24,660
123	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3761	054	010307	BS Main Replacement - Garfield & Illinois, Columbus - Retire 11' of 2" RPCS,155' of 1.25" RPCS, 577' of 2" RPBS and 25' of 2" PE main exposed and steel main constructed of boiler pipe preventing repairs made by KGS. Install 810' of 2" PE main.	3800	\$ 4,073
124	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3831	054	010307	BS Main Replacement - North Boulevard and 32nd Street, Parsons - Replace - Abandon 886' of 4" UPBS and 26' of 4" RPCS to permanently repair and replace a clamped leak on existing main segment - Install approximately 950' of 6" PE.	3760	\$ 103,165
125	Bare Steel Main Replacement	K.S.A. 66-2202	6/1/2022	3831	054	010308	BS Main Replacement - 715 S 16th, Parsons - Install approximately 970' of 4" PE - Abandon 824' of 4" UPBS - 99' of 6" UPBS and 24' of 4" RPCS due to leak on existing main segment.	3760	\$ 69,548
126	Bare Steel Main Replacement	K.S.A. 66-2202	6/1/2022	3831	054	010308	BS Main Replacement - 715 S 16th, Parsons - Install approximately 970' of 4" PE - Abandon 824' of 4" UPBS - 99' of 6" UPBS and 24' of 4" RPCS due to leak on existing main segment.	3769	\$ 307
127	Bare Steel Main Replacement	K.S.A. 66-2202	8/3/2021	3621	054	010309	Main Replacement - 3421 Forest Ave, Great Bend - Retire 100' of 2"APBS main due to broken and leaking coupling. Install 100' of 2" PE main. LK2021-10139492 ...	3760	\$ 3,899
128	Bare Steel Main Replacement	K.S.A. 66-2202	6/2/2022	3831	054	010309	BS Main Replacement - 821 N Lincoln, Parsons - Install approximately 260' of 6" RPCS - Abandon 245' of 6" RPBS due to leak on existing main segment.	3765	\$ 19,823
129	Bare Steel Main Replacement	K.S.A. 66-2202	6/2/2022	3831	054	010309	BS Main Replacement - 821 N Lincoln, Parsons - Install approximately 260' of 6" RPCS - Abandon 245' of 6" RPBS due to leak on existing main segment.	3800	\$ 59
130	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3761	054	010310	BS Main Replacement - Georgia & Forest, Pittsburg - Retire 534' of 2" UPBS main due to leak on existing main segment. Install 550' of 4" PE main.	3760	\$ 10,843
131	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3761	054	010310	BS Main Replacement - Georgia & Forest, Pittsburg - Retire 534' of 2" UPBS main due to leak on existing main segment. Install 550' of 4" PE main.	3800	\$ 13,982
132	Bare Steel Main Replacement	K.S.A. 66-2202	8/31/2021	3761	054	010311	BS Main Replacement - 2445 Jayhawk Rd, Fort Scott - Retire 1,155' of 2" UPBS main due to exposed main being struck by landowner and at risk of additional damage. Install 800' of 2" PE main.	3760	\$ 70,760
133	Bare Steel Main Replacement	K.S.A. 66-2202	8/31/2021	3761	054	010311	BS Main Replacement - 2445 Jayhawk Rd, Fort Scott - Retire 1,155' of 2" UPBS main due to exposed main being struck by landowner and at risk of additional damage. Install 800' of 2" PE main.	3800	\$ 665
134	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3831	054	010311	BS Main Replacement - 3112 Wilson Avenue, Parsons - Abandon 197' of 1.25" UPBS due to leak on exiting main segment - Install 200' of 2" PE.	3760	\$ 1,644
135	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3621	054	010313	Retire 390' of 4" RPBS Install: 400' of 4" RPCS ,tie-in existing 2" PE with new 2" PE off the new 4" RPCS main and install an inlet remote valve for the DRS when tying back in to the new 4" RPCS. The DRS Station will be tied into the existing 2" PE main in the alley to the west of setting.	3760	\$ 380
136	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3621	054	010313	Retire 390' of 4" RPBS Install: 400' of 4" RPCS ,tie-in existing 2" PE with new 2" PE off the new 4" RPCS main and install an inlet remote valve for the DRS when tying back in to the new 4" RPCS. The DRS Station will be tied into the existing 2" PE main in the alley to the west of setting.	3765	\$ 41,333
137	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3621	054	010313	Retire 390' of 4" RPBS Install: 400' of 4" RPCS ,tie-in existing 2" PE with new 2" PE off the new 4" RPCS main and install an inlet remote valve for the DRS when tying back in to the new 4" RPCS. The DRS Station will be tied into the existing 2" PE main in the alley to the west of setting.	3780	\$ 10,513
138	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3831	054	010313	BS Main Replacement - 3rd and Main, Petrolia - Install 200' of 2" PE. Abandon 217' of 2" APCS - 20' of 2" UPBS and 260' of 1.25" UPBS due to leak on existing main segment.	3760	\$ 1,329
139	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3831	054	010313	BS Main Replacement - 3rd and Main, Petrolia - Install 200' of 2" PE. Abandon 217' of 2" APCS - 20' of 2" UPBS and 260' of 1.25" UPBS due to leak on existing main segment.	3800	\$ 5

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
140	Bare Steel Main Replacement	K.S.A. 66-2202	10/26/2021	3621	054	010315	Main Replacement - 329 W Ash, Macksville - Retire 120' of 2" BS main to permanently repair a tightened coupling and lower main to meet standard depth requirements. Install 150' of 2" CS main.	3765	\$ 7,604
141	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3621	054	010316	Main Replacement - 24th & Washington, Great Bend - Retire 40' of 6" RPBS main to permanently replace multiple leaking clamps. Install 40' of 6" RPCS main. LK2019-10118238, LK2020-10083823	3765	\$ 8,606
142	Bare Steel Main Replacement	K.S.A. 66-2202	3/21/2022	3621	054	010317	Retire: 303' of 2" RPBS. Install: 320' of 4" RPCS. This segment of BS has a leak LK2021-10225412. This project will eliminate the isolate segment of BS main downstream of the TBS.	3765	\$ 44,515
143	Bare Steel Main Replacement	K.S.A. 66-2202	3/21/2022	3621	054	010319	Retire 13' of 4" CS and 226' of 4" BS. Install: 239' of 4" CS. There was a leak (LK2021-10173690) found while a Tech was performing a valve inspection.	3765	\$ 22,414
144	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3761	054	010319	BS Main Replacement - 704 S Chestnut, Pittsburg - Retire 260' of 2" APBS main due to leak on existing main segment. Install 265' of 2" PE main.	3760	\$ 7,580
145	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3761	054	010319	BS Main Replacement - 704 S Chestnut, Pittsburg - Retire 260' of 2" APBS main due to leak on existing main segment. Install 265' of 2" PE main.	3800	\$ 2,223
146	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3621	054	010320	BS Main Replacement - 1139 Marsh, Kinsley - Retire 145' of 2" BS main due to leaking Dressing fitting on existing main segment. Install 150' of 2" PE main. A leak was found on a leaking dresser along the section of Bare Steel Main. The pipe is in poor condition in the area the leak was found.	3760	\$ 3,798
147	Bare Steel Main Replacement	K.S.A. 66-2202	7/29/2021	3761	054	010322	BS Main Replacement - 206 W 18th, Pittsburg - Retire 295' of 2" APBS main due to leak on existing main segment. Install 300' of 2" PE main.	3760	\$ 6,242
148	Bare Steel Main Replacement	K.S.A. 66-2202	7/29/2021	3761	054	010322	BS Main Replacement - 206 W 18th, Pittsburg - Retire 295' of 2" APBS main due to leak on existing main segment. Install 300' of 2" PE main.	3769	\$ 325
149	Bare Steel Main Replacement	K.S.A. 66-2202	7/29/2021	3761	054	010322	BS Main Replacement - 206 W 18th, Pittsburg - Retire 295' of 2" APBS main due to leak on existing main segment. Install 300' of 2" PE main.	3800	\$ 375
150	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3621	054	010323	Install: 1,000" of 2" PE Pipe. Retire: 185' of 2" BS Main and 70' of 1 1/4" BS Main. 1 BS SL Replacement, 9 SL Tie Overs. The tap of the BS SL at 2509 Zarah was exposed and all of the 1.25in main was found to be in poor condition and too thin to weld to which drove the requirement for the main to be replaced. The decision was made to start the process of moving the mains in this area from rear easement to the street as the rear easements in this area of town are very narrow and already full of other utilities making it extremely difficult to install new facilities.	3760	\$ 44,390
151	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3621	054	010323	Install: 1,000" of 2" PE Pipe. Retire: 185' of 2" BS Main and 70' of 1 1/4" BS Main. 1 BS SL Replacement, 9 SL Tie Overs. The tap of the BS SL at 2509 Zarah was exposed and all of the 1.25in main was found to be in poor condition and too thin to weld to which drove the requirement for the main to be replaced. The decision was made to start the process of moving the mains in this area from rear easement to the street as the rear easements in this area of town are very narrow and already full of other utilities making it extremely difficult to install new facilities.	3800	\$ 24,309
152	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3621	054	010323	Install: 1,000" of 2" PE Pipe. Retire: 185' of 2" BS Main and 70' of 1 1/4" BS Main. 1 BS SL Replacement, 9 SL Tie Overs. The tap of the BS SL at 2509 Zarah was exposed and all of the 1.25in main was found to be in poor condition and too thin to weld to which drove the requirement for the main to be replaced. The decision was made to start the process of moving the mains in this area from rear easement to the street as the rear easements in this area of town are very narrow and already full of other utilities making it extremely difficult to install new facilities.	3820	\$ 2,611
153	Bare Steel Main Replacement	K.S.A. 66-2202	8/31/2021	3761	054	010323	BS Main Replacement - 704 S Catalpa, Pittsburg - Retire 336' of 2" APBS main due to main exposure. Install 360' of 4" PE main.	3760	\$ 2,691
154	Bare Steel Main Replacement	K.S.A. 66-2202	8/31/2021	3761	054	010323	BS Main Replacement - 704 S Catalpa, Pittsburg - Retire 336' of 2" APBS main due to main exposure. Install 360' of 4" PE main.	3800	\$ 323
155	Bare Steel Main Replacement	K.S.A. 66-2202	10/26/2021	3761	054	010324	BS Main Replacement & Obsolete DRS Retirement - Magnolia Ave & Maple St, Columbus - Retire 317' of 2" PE & 310' of 2"BS main due to leak on existing main segment under pavement. Retire obsolete DRS. Install 265' of 2" PE main.	3760	\$ 3,645
156	Bare Steel Main Replacement	K.S.A. 66-2202	10/26/2021	3761	054	010324	BS Main Replacement & Obsolete DRS Retirement - Magnolia Ave & Maple St, Columbus - Retire 317' of 2" PE & 310' of 2"BS main due to leak on existing main segment under pavement. Retire obsolete DRS. Install 265' of 2" PE main.	3800	\$ 102
157	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3621	054	010326	Install: 110' of 4" CS, 70' of 2" CS. Retire: 312' of 2" BS, 353' of 2" CS, and 45' of 4" CS 3 SL TIE OVERS. A section of main in the area of E 4th St and Niles Ave was hooked in Kinsley when concrete was being pulled out of the location. The main was only 6"-8" deep. The customer would like to have concrete reinstalled in the area, but the main is currently to shallow.	3765	\$ 25,959
158	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3621	054	010326	Install: 110' of 4" CS, 70' of 2" CS. Retire: 312' of 2" BS, 353' of 2" CS, and 45' of 4" CS 3 SL TIE OVERS. A section of main in the area of E 4th St and Niles Ave was hooked in Kinsley when concrete was being pulled out of the location. The main was only 6"-8" deep. The customer would like to have concrete reinstalled in the area, but the main is currently to shallow.	3800	\$ 2,244
159	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3621	054	010328	Install: 150' of 2" PE Main. Retire: 150' of 1 1/4" BS Main. Contract Crews were in the area replacing bare steel service lines, when a short section of BS Main was found. This short section of main is going to be replaced while contract crews are already on site.	3760	\$ 6,544

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
160	Bare Steel Main Replacement	K.S.A. 66-2202	5/11/2022	3761	054	010328	2022 AWP - Pittsburg - Broadway and 14th - Replace UPBS Main - Install approximately 1350' of 4" PE - Abandon 378' of 4" UPBS - 207' of 6" UPBS - 463' of 2" UPBS - 224' of 2" APBS and 14' of 3" APCS.	3760	\$ 159,969
161	Bare Steel Main Replacement	K.S.A. 66-2202	5/11/2022	3761	054	010328	2022 AWP - Pittsburg - Broadway and 14th - Replace UPBS Main - Install approximately 1350' of 4" PE - Abandon 378' of 4" UPBS - 207' of 6" UPBS - 463' of 2" UPBS - 224' of 2" APBS and 14' of 3" APCS.	3769	\$ 1,465
162	Bare Steel Main Replacement	K.S.A. 66-2202	5/11/2022	3761	054	010328	2022 AWP - Pittsburg - Broadway and 14th - Replace UPBS Main - Install approximately 1350' of 4" PE - Abandon 378' of 4" UPBS - 207' of 6" UPBS - 463' of 2" UPBS - 224' of 2" APBS and 14' of 3" APCS.	3820	\$ 1,918
163	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3621	054	010329	BS Main Replacement - 163 S Elm, Hoisington. Retire: 269' of 3" BS Main and 60' of 4" CS Main. Install: 250' of 2" PE Main. Class 1 leak was found on an abandoned 1 1/4" tap that had been hooked at some point in the past. There is a broken weld in the tee and a crack in the wall of the main. The pipe wall thickness of the 3" BS Main is 0.10" thick in this area. 250' of 2" PE main is going to be installed to replace this section of main to the dead end. There are six meters that will be affected by this main replacement. This is a low pressure system.	3760	\$ 5,018
164	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3621	054	010329	BS Main Replacement - 163 S Elm, Hoisington. Retire: 269' of 3" BS Main and 60' of 4" CS Main. Install: 250' of 2" PE Main. Class 1 leak was found on an abandoned 1 1/4" tap that had been hooked at some point in the past. There is a broken weld in the tee and a crack in the wall of the main. The pipe wall thickness of the 3" BS Main is 0.10" thick in this area. 250' of 2" PE main is going to be installed to replace this section of main to the dead end. There are six meters that will be affected by this main replacement. This is a low pressure system.	3800	\$ 1,377
165	Bare Steel Main Replacement	K.S.A. 66-2202	4/28/2022	3761	054	010331	Fort Scott - 2431 Jayhawk Road - Replace 2" UPBS Main - Install approximately 495' of 2" PE - Abandon approximately 490' of 2" UPBS.	3760	\$ 22,991
166	Bare Steel Main Replacement	K.S.A. 66-2202	4/28/2022	3761	054	010331	Fort Scott - 2431 Jayhawk Road - Replace 2" UPBS Main - Install approximately 495' of 2" PE - Abandon approximately 490' of 2" UPBS.	3800	\$ 5,112
167	Bare Steel Main Replacement	K.S.A. 66-2202	4/28/2022	3761	054	010332	BS Main Replacement - E. Walnut & N. First, Columbus - Retire 330' of 2" APBS main due to leak on existing main segment. Install 375' of 2" PE main.	3760	\$ 6,722
168	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3761	054	010333	BS Main Replacement - Elm Street and Delaware Avenue, Columbus - Install approximately 90' of 4" RPCS - Abandon approximately 80' of 3" RPBS due to leak on existing main segment.	3765	\$ 20,282
169	Bare Steel Main Replacement	K.S.A. 66-2202	4/28/2022	3761	054	010334	BS Main Replacement - 109 W St John, Girard - Retire 6' of 2" RPCS and 6' of 2" RPBS main due to leaking Dresser coupling at main conjunction. Install 15' of 2" RPCS main.	3765	\$ 3,715
170	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3761	054	010336	BS Main Replacement - 8th and Eddy, Fort Scott - Install approximately 380' of 2" PE - Abandon 341' of 2" UPBS and 22' of 2" PE due to multiple leaks on existing main segment.	3760	\$ 10,772
171	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3761	054	010336	BS Main Replacement - 8th and Eddy, Fort Scott - Install approximately 380' of 2" PE - Abandon 341' of 2" UPBS and 22' of 2" PE due to multiple leaks on existing main segment.	3800	\$ 645
172	Bare Steel Main Replacement	K.S.A. 66-2202	5/24/2022	3761	054	010338	BS Main Replacement - 6860 SE 73rd, Riverton - Abandon 120' of 3" APBS due to leak on existing main segment. Install 140' of 4" PE main.	3760	\$ 3,819
173	Bare Steel Main Replacement	K.S.A. 66-2202	5/24/2022	3761	054	010338	BS Main Replacement - 6860 SE 73rd, Riverton - Abandon 120' of 3" APBS due to leak on existing main segment. Install 140' of 4" PE main.	3800	\$ 64
174	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3761	054	010339	BS Main Replacement - 1549 Washington Ave, Baxter Springs. Install 110' of 4" PE and 100' of 2" PE. Abandon 90' of 2" UPBS - 10' of 3" APCS, 36' of 3" PE, 15' of 2" PE, 10' of 3" APBS. There is a 2½ Dressor leaking on this section of pipe LK2022-10056397. There is no room to weld a Punkin on and the 3½ PE is unlocatable. KGS Crews will tie into 3" APBS near 1550 Washington Avenue and travel west for approximately 110' with 4" PE where they will tie into existing 3" APCS. From there KGS Crews will travel north for approximately 100' with 2" PE where they will tie into existing 2" UPBS.	3760	\$ 8,480
175	Bare Steel Main Replacement	K.S.A. 66-2202	7/2/2021	3641	054	010378	BS Main Replacement - Franklin & Hancock, Salina - Retire 880' of 2" APBS main as part of the 2020 annual work plan projects. Install 940' of 2" PE main. 11 BS service line renewals.	3760	\$ 20,176
176	Bare Steel Main Replacement	K.S.A. 66-2202	7/2/2021	3641	054	010378	BS Main Replacement - Franklin & Hancock, Salina - Retire 880' of 2" APBS main as part of the 2020 annual work plan projects. Install 940' of 2" PE main. 11 BS service line renewals.	3800	\$ 12,547
177	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3642	054	010382	BS Main Replacement - Walnut & SE 22nd, Beloit - Retire 340' 2" APCS & 2,066' 2" APBS main as part of the 2021 annual work plan projects. Install 2,261 of 2" PE main. 1 BS SL renewal.	3760	\$ 97,222
178	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3642	054	010382	BS Main Replacement - Walnut & SE 22nd, Beloit - Retire 340' 2" APCS & 2,066' 2" APBS main as part of the 2021 annual work plan projects. Install 2,261 of 2" PE main. 1 BS SL renewal.	3800	\$ 9,715
179	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3642	054	010386	2021 AWP project - This work will replace the main feed for Osborne, KS comprised of 1,488' of 4" RPBS and 117' of 4" RPCS and install 1,600' of 4" RPCS located within the Business District. This main has produced two corrosion leaks.	3765	\$ 101,364

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
180	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3642	054	010386	2021 AWP project - This work will replace the main feed for Osborne, KS comprised of 1,488' of 4" RPBS and 117' of 4" RPCS and install 1,600' of 4" RPCS located within the Business District. This main has produced two corrosion leaks.	3800	\$ 9,156
181	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3642	054	010386	2021 AWP project - This work will replace the main feed for Osborne, KS comprised of 1,488' of 4" RPBS and 117' of 4" RPCS and install 1,600' of 4" RPCS located within the Business District. This main has produced two corrosion leaks.	3805	\$ 1,088
182	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3642	054	010386	2021 AWP project - This work will replace the main feed for Osborne, KS comprised of 1,488' of 4" RPBS and 117' of 4" RPCS and install 1,600' of 4" RPCS located within the Business District. This main has produced two corrosion leaks.	3820	\$ 1,047
183	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3642	054	010386	2021 AWP project - This work will replace the main feed for Osborne, KS comprised of 1,488' of 4" RPBS and 117' of 4" RPCS and install 1,600' of 4" RPCS located within the Business District. This main has produced two corrosion leaks.	3830	\$ 4,746
184	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3642	054	010390	DRS Repair - Oak & New Hampshire, Osborne - Retire 12' of 4" BS main and inlet riser of DRS due to leak. Install 20' of 4" CS main and new inlet leg to DRS.	3765	\$ 5,662
185	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3642	054	010390	DRS Repair - Oak & New Hampshire, Osborne - Retire 12' of 4" BS main and inlet riser of DRS due to leak. Install 20' of 4" CS main and new inlet leg to DRS.	3780	\$ 4,090
186	Bare Steel Main Replacement	K.S.A. 66-2202	8/3/2021	3641	054	010391	BS Main Replacement - Buckeye, 16th to Hilltop, Abilene - Retire 920' of 2" APBS & 35' of 2" APCS main as part of the 2021 annual work plan projects. Install 800' of 2" PE main.	3760	\$ 67,738
187	Bare Steel Main Replacement	K.S.A. 66-2202	8/3/2021	3641	054	010391	BS Main Replacement - Buckeye, 16th to Hilltop, Abilene - Retire 920' of 2" APBS & 35' of 2" APCS main as part of the 2021 annual work plan projects. Install 800' of 2" PE main.	3800	\$ 274
188	Bare Steel Main Replacement	K.S.A. 66-2202	9/20/2021	3641	054	010393	BS Main Replacement - Kirby, 3rd to 4th, Abilene - Retire 178' of 4" APBS, 170' of 2" APBS & 154' of 1.25" APBS, 176' of 4" APCS, 100' of 2" APCS & 150' 1.25" APCS main as part of the 2021 annual work plan projects. Install 530' of 2" PE main.	3760	\$ 41,779
189	Bare Steel Main Replacement	K.S.A. 66-2202	9/20/2021	3641	054	010393	BS Main Replacement - Kirby, 3rd to 4th, Abilene - Retire 178' of 4" APBS, 170' of 2" APBS & 154' of 1.25" APBS, 176' of 4" APCS, 100' of 2" APCS & 150' 1.25" APCS main as part of the 2021 annual work plan projects. Install 530' of 2" PE main.	3800	\$ 15,938
190	Bare Steel Main Replacement	K.S.A. 66-2202	7/1/2022	3642	054	010393	BS/CS Main Replacement - 14th & Campell, Beloit - replace section of main that is deteriorated, and needing permanent repairs to existing leak. LEAK # LK2020-10250335. RETIRE:350' OF 2" CS 387' OF 2" BS. INSTALL: 700' OF 2" PE AND TRACER WIRE, SERVICES: 6 SERVICE TIE OVERS	3760	\$ 30,679
191	Bare Steel Main Replacement	K.S.A. 66-2202	7/1/2022	3642	054	010393	BS/CS Main Replacement - 14th & Campell, Beloit - replace section of main that is deteriorated, and needing permanent repairs to existing leak. LEAK # LK2020-10250335. RETIRE:350' OF 2" CS 387' OF 2" BS. INSTALL: 700' OF 2" PE AND TRACER WIRE, SERVICES: 6 SERVICE TIE OVERS	3800	\$ 5,207
192	Bare Steel Main Replacement	K.S.A. 66-2202	8/3/2021	3641	054	010398	BS Main Replacement - K-284 & Harper Ave, Barnard - Retire 100' of 2" RPBS main, in casing, and due to leak on existing main segment. Install 100' of 4" PE main. Corrosion discovered a grade 2 leak while inspecting their casing at Harper Ave., near the intersection with K-284 in Barnard, KS. We will install approx 100' of 4" PE to the North and abandon the casing and the leaking main.	3760	\$ 11,573
193	Bare Steel Main Replacement	K.S.A. 66-2202	4/19/2022	3631	054	010404	Retire: 199' of 8" RPBS, 270' of 8" RPCS, and 208' of 2" RPBS in a Business District location type. Install: 1,100' of 2" PE. This project was optimized into the 2021 AWP by virtue of replacing BS main in business districts to reduce risk and meet the KCC requirement of BS main reduction.	3760	\$ 116,012
194	Bare Steel Main Replacement	K.S.A. 66-2202	4/19/2022	3631	054	010404	Retire: 199' of 8" RPBS, 270' of 8" RPCS, and 208' of 2" RPBS in a Business District location type. Install: 1,100' of 2" PE. This project was optimized into the 2021 AWP by virtue of replacing BS main in business districts to reduce risk and meet the KCC requirement of BS main reduction.	3769	\$ 640
195	Bare Steel Main Replacement	K.S.A. 66-2202	4/19/2022	3631	054	010404	Retire: 199' of 8" RPBS, 270' of 8" RPCS, and 208' of 2" RPBS in a Business District location type. Install: 1,100' of 2" PE. This project was optimized into the 2021 AWP by virtue of replacing BS main in business districts to reduce risk and meet the KCC requirement of BS main reduction.	3800	\$ 17,521
196	Bare Steel Main Replacement	K.S.A. 66-2202	4/19/2022	3631	054	010404	Retire: 199' of 8" RPBS, 270' of 8" RPCS, and 208' of 2" RPBS in a Business District location type. Install: 1,100' of 2" PE. This project was optimized into the 2021 AWP by virtue of replacing BS main in business districts to reduce risk and meet the KCC requirement of BS main reduction.	3820	\$ 3,407
197	Bare Steel Main Replacement	K.S.A. 66-2202	4/19/2022	3631	054	010404	Retire: 199' of 8" RPBS, 270' of 8" RPCS, and 208' of 2" RPBS in a Business District location type. Install: 1,100' of 2" PE. This project was optimized into the 2021 AWP by virtue of replacing BS main in business districts to reduce risk and meet the KCC requirement of BS main reduction.	3830	\$ 1,981
198	Bare Steel Main Replacement	K.S.A. 66-2202	4/19/2022	3631	054	010405	Retire: 831' of 8" RPBS and 215' of 2" RPBS in a business district location type. Install: 850' of 8" RPCS and 250' of 2" PE. One CS SL will be replaced with PE. This project was optimized into the 2021 AWP by virtue of replacing BS main in business districts to reduce risk and meet the KCC requirement of BS main reduction.	3760	\$ 1,235
199	Bare Steel Main Replacement	K.S.A. 66-2202	4/19/2022	3631	054	010405	Retire: 831' of 8" RPBS and 215' of 2" RPBS in a business district location type. Install: 850' of 8" RPCS and 250' of 2" PE. One CS SL will be replaced with PE. This project was optimized into the 2021 AWP by virtue of replacing BS main in business districts to reduce risk and meet the KCC requirement of BS main reduction.	3765	\$ 124,881

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
200	Bare Steel Main Replacement	K.S.A. 66-2202	4/19/2022	3631	054	010405	Retire: 831' of 8" RPBS and 215' of 2" RPBS in a business district location type. Install: 850' of 8" RPCS and 250' of 2" PE. One CS SL will be replaced with PE. This project was optimized into the 2021 AWP by virtue of replacing BS main in business districts to reduce risk and meet the KCC requirement of BS main reduction.	3800	\$ 8,986
201	Bare Steel Main Replacement	K.S.A. 66-2202	8/31/2021	3631	054	010413	UPBS Main Replacement - Plum & Carpenter, Hutchinson - Retire 436' of 3" UPBS, 11' of 6" UPBS, & 11' of 4" UPBS main due to leak on existing main segment unable to be temporarily repaired. Install 100' of 4" PE and 420' of 2" PE main. LK2021-10043005	3760	\$ 42,274
202	Bare Steel Main Replacement	K.S.A. 66-2202	8/31/2021	3631	054	010413	UPBS Main Replacement - Plum & Carpenter, Hutchinson - Retire 436' of 3" UPBS, 11' of 6" UPBS, & 11' of 4" UPBS main due to leak on existing main segment unable to be temporarily repaired. Install 100' of 4" PE and 420' of 2" PE main. LK2021-10043005	3765	\$ 196
203	Bare Steel Main Replacement	K.S.A. 66-2202	8/31/2021	3631	054	010413	UPBS Main Replacement - Plum & Carpenter, Hutchinson - Retire 436' of 3" UPBS, 11' of 6" UPBS, & 11' of 4" UPBS main due to leak on existing main segment unable to be temporarily repaired. Install 100' of 4" PE and 420' of 2" PE main. LK2021-10043005	3769	\$ 994
204	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3631	054	010422	BS Main Replacement - 3326 Farmington Rd, Hutchinson - Retire 10' of 2" UPBS main due to two leaking Dresser couplings on existing main segment. Install 10' of 2" PE main. There are 2 dressers that were found leaking on this main (LK2020-10281786). When the crew went to do the leak repair associated with the leak they were unable to tub them because they were to close together.	3765	\$ 1,137
205	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3631	054	010422	BS Main Replacement - 3326 Farmington Rd, Hutchinson - Retire 10' of 2" UPBS main due to two leaking Dresser couplings on existing main segment. Install 10' of 2" PE main. There are 2 dressers that were found leaking on this main (LK2020-10281786). When the crew went to do the leak repair associated with the leak they were unable to tub them because they were to close together.	3769	\$ 2,713
206	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3631	054	010424	BS Main Replacement - 205 E Blanchard, South Hutchinson - Retire 81' of 2" RPBS main due to leak on existing main segment. Install 85' of 2" RPCS main. There was a leak (LK2021-10042847) found on the BS segment of this main and was temporarily repaired via installation of a clamp on 5/21/2021.	3765	\$ 15,904
207	Bare Steel Main Replacement	K.S.A. 66-2202	3/21/2022	3631	054	010426	BS Main Replacement - 715 Main, Geneseo - Retire 219' of 2" BS and 4' of 4" BS main to permanently repair multiple leaks on existing main segments. Install 269' of 2" PE main.	3760	\$ 21,261
208	Bare Steel Main Replacement	K.S.A. 66-2202	3/21/2022	3631	054	010426	BS Main Replacement - 715 Main, Geneseo - Retire 219' of 2" BS and 4' of 4" BS main to permanently repair multiple leaks on existing main segments. Install 269' of 2" PE main.	3800	\$ 780
209	Bare Steel Main Replacement	K.S.A. 66-2202	4/28/2022	3631	054	010435	Retire : 110' - 2" BS. Install : 65' - 2" PE 2" BS Main - Jan 1931. A Class 2 leak was found at 208 W 8th. When it was dug up there was a thread leak of the line going west at the 90. Also an acetylene welded mitered 90 was found. LK2022-10025887.	3760	\$ 6,294
210	Bare Steel Main Replacement	K.S.A. 66-2202	10/28/2021	3741	054	010456	BS Main Replacement - 2nd & Spruce, Arkansas City - Retire 285' of 3" RPBS & 15' of 3" RPCS main as part of the 2021 annual work plan projects. Install 300' of 4" RPCS main. This project is part of the 2021 AWP. T	3760	\$ 8,389
211	Bare Steel Main Replacement	K.S.A. 66-2202	10/28/2021	3741	054	010456	BS Main Replacement - 2nd & Spruce, Arkansas City - Retire 285' of 3" RPBS & 15' of 3" RPCS main as part of the 2021 annual work plan projects. Install 300' of 4" RPCS main. This project is part of the 2021 AWP. T	3765	\$ 35,031
212	Bare Steel Main Replacement	K.S.A. 66-2202	10/28/2021	3741	054	010456	BS Main Replacement - 2nd & Spruce, Arkansas City - Retire 285' of 3" RPBS & 15' of 3" RPCS main as part of the 2021 annual work plan projects. Install 300' of 4" RPCS main. This project is part of the 2021 AWP. T	3800	\$ 15,987
213	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3741	054	010458	Main Abandonment - 2nd & Central, Arkansas City - Retire 165' of 2" UPBS main as part of the 2021 annual work plan projects. Install by insertion 165' of 1.25" PE service line into retired 2" UPBS main.	3800	\$ 18,293
214	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3741	054	010464	BS Main Replacement - Summit & Cedar, Arkansas City - Retire 370' of 3" APBS main as part of the 2021 annual work plan projects. Install 470' of 4" PE main.	3760	\$ 16,634
215	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3741	054	010464	BS Main Replacement - Summit & Cedar, Arkansas City - Retire 370' of 3" APBS main as part of the 2021 annual work plan projects. Install 470' of 4" PE main.	3769	\$ 131
216	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3741	054	010464	BS Main Replacement - Summit & Cedar, Arkansas City - Retire 370' of 3" APBS main as part of the 2021 annual work plan projects. Install 470' of 4" PE main.	3800	\$ 3,294
217	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3741	054	010475	BS Main Replacement - 620 W Walnut, Arkansas City - Retire 120' of RPBS main and install 120' of 6" CS main due to a tightened coupling on the existing main segment. This project is a CWO that will permanently repair LK21-10045785 which was temporarily repaired by tightening the dresser coupling. For this project 6" spherical tees are needed due to shallow depth of existing main.	3765	\$ 27,689
218	Bare Steel Main Replacement	K.S.A. 66-2202	2/28/2022	3741	054	010486	BS Main Replacement - Van Buren Ave & C St, Arkansas City - Retire 400' of 2" RPBS main unable to be catholically protected due to multiple threaded fittings along main segment. Install 400' of 2" PE and 15' of 4" PE main.	3760	\$ 7,000
219	Bare Steel Main Replacement	K.S.A. 66-2202	2/28/2022	3741	054	010486	BS Main Replacement - Van Buren Ave & C St, Arkansas City - Retire 400' of 2" RPBS main unable to be catholically protected due to multiple threaded fittings along main segment. Install 400' of 2" PE and 15' of 4" PE main.	3800	\$ 258



Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
220	Bare Steel Main Replacement	K.S.A. 66-2202	7/1/2022	3741	054	010489	BS Main Replacement - Water & Mimosa, Oxford - Retire 1,122' of 2" RPBS and 43' of 2" RPCS main as part of the 2021 annual work plan projects. Install 1,165' of 2" PE main.	3760	\$ 54,956
221	Bare Steel Main Replacement	K.S.A. 66-2202	7/1/2022	3741	054	010489	BS Main Replacement - Water & Mimosa, Oxford - Retire 1,122' of 2" RPBS and 43' of 2" RPCS main as part of the 2021 annual work plan projects. Install 1,165' of 2" PE main.	3800	\$ 1,278
222	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3741	054	010494	BS Main Replacement - 113 N Cana, Grenola - Retire 300' of 2" RPBS main due to multiple leaks on existing main segment. Install 300' of 2" RPCS main.	3765	\$ 6,783
223	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3741	054	010494	BS Main Replacement - 113 N Cana, Grenola - Retire 300' of 2" RPBS main due to multiple leaks on existing main segment. Install 300' of 2" RPCS main.	3800	\$ 609
224	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2022	3541	054	010687	BS Replacement - SE 6th from Branner to California. SE 6th, Branner to California, Topeka, KS 3/5/3. This work order will install 3,410' of 4" PE and 325' of 2" PE to retire 224' of 2" BS, 1925 vintage, 2,605' of 6" BS, 1906 vintage and 1,054' of 6" CS. This project will include the work needed at SE 6 th and California to relocate the main due to the City of Topeka's road improvement project. The City's project is on California between SE 6 th and SE 10 th.	3760	\$ 181,257
225	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2022	3541	054	010687	BS Replacement - SE 6th from Branner to California. SE 6th, Branner to California, Topeka, KS 3/5/3. This work order will install 3,410' of 4" PE and 325' of 2" PE to retire 224' of 2" BS, 1925 vintage, 2,605' of 6" BS, 1906 vintage and 1,054' of 6" CS. This project will include the work needed at SE 6 th and California to relocate the main due to the City of Topeka's road improvement project. The City's project is on California between SE 6 th and SE 10 th.	3769	\$ 693
226	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2022	3541	054	010687	BS Replacement - SE 6th from Branner to California. SE 6th, Branner to California, Topeka, KS 3/5/3. This work order will install 3,410' of 4" PE and 325' of 2" PE to retire 224' of 2" BS, 1925 vintage, 2,605' of 6" BS, 1906 vintage and 1,054' of 6" CS. This project will include the work needed at SE 6 th and California to relocate the main due to the City of Topeka's road improvement project. The City's project is on California between SE 6 th and SE 10 th.	3800	\$ 297,120
227	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2022	3541	054	010687	BS Replacement - SE 6th from Branner to California. SE 6th, Branner to California, Topeka, KS 3/5/3. This work order will install 3,410' of 4" PE and 325' of 2" PE to retire 224' of 2" BS, 1925 vintage, 2,605' of 6" BS, 1906 vintage and 1,054' of 6" CS. This project will include the work needed at SE 6 th and California to relocate the main due to the City of Topeka's road improvement project. The City's project is on California between SE 6 th and SE 10 th.	3820	\$ 3,513
228	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2022	3541	054	010687	BS Replacement - SE 6th from Branner to California. SE 6th, Branner to California, Topeka, KS 3/5/3. This work order will install 3,410' of 4" PE and 325' of 2" PE to retire 224' of 2" BS, 1925 vintage, 2,605' of 6" BS, 1906 vintage and 1,054' of 6" CS. This project will include the work needed at SE 6 th and California to relocate the main due to the City of Topeka's road improvement project. The City's project is on California between SE 6 th and SE 10 th.	3830	\$ 2,675
229	Bare Steel Main Replacement	K.S.A. 66-2202	4/28/2022	3541	054	010707	Replace 1,971 feet of 8 inch APBS with 2,100 feet of 10 inch CS on SE California between 21st and 25th in front of Highland Park High School.	3760	\$ 895
230	Bare Steel Main Replacement	K.S.A. 66-2202	4/28/2022	3541	054	010707	Replace 1,971 feet of 8 inch APBS with 2,100 feet of 10 inch CS on SE California between 21st and 25th in front of Highland Park High School.	3765	\$ 828,113
231	Bare Steel Main Replacement	K.S.A. 66-2202	4/28/2022	3541	054	010707	Replace 1,971 feet of 8 inch APBS with 2,100 feet of 10 inch CS on SE California between 21st and 25th in front of Highland Park High School.	3769	\$ 1,551
232	Bare Steel Main Replacement	K.S.A. 66-2202	4/28/2022	3541	054	010707	Replace 1,971 feet of 8 inch APBS with 2,100 feet of 10 inch CS on SE California between 21st and 25th in front of Highland Park High School.	3800	\$ 25,400
233	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3541	054	010717	Location: 3650 SW Kirklawn Ave, Topeka, KS. To Install: 815-feet 4-inch PE, 10-feet2-inch PE. To Retire: 813-feet 4-inch BS. This project is a replacement project to replace 813-feet 4-inch BS that was found to have a leak near a fitting that was too thin to weld on and had to be temporarily clamped. Adjustments will be requiredfor 2 PE service lines.	3760	\$ 62,709
234	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3541	054	010719	Location: W Bridge and Main ST, W Front, Walnut CT and Redbud, Perry, KS. To Retire: 1,824 ft of 2-inch APBS, 92 ft of 11/4-inch APCS, 435 ft of 2-inch APCS, 574 ft of 2-inch APCS and 598 ft of 2-inch PE. To install : 1,150 ft of 2-inch PE on W front & Walnut CT, 390 ft of 2-inch PE on Main ST, and 100 ft of 2-inch PE on Redbud LN for a total of 1,640 ft of 2-inch PE. The 2-inch bare steel main was originally installed in 1920.	3760	\$ 71,971
235	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3541	054	010719	Location: W Bridge and Main ST, W Front, Walnut CT and Redbud, Perry, KS. To Retire: 1,824 ft of 2-inch APBS, 92 ft of 11/4-inch APCS, 435 ft of 2-inch APCS, 574 ft of 2-inch APCS and 598 ft of 2-inch PE. To install : 1,150 ft of 2-inch PE on W front & Walnut CT, 390 ft of 2-inch PE on Main ST, and 100 ft of 2-inch PE on Redbud LN for a total of 1,640 ft of 2-inch PE. The 2-inch bare steel main was originally installed in 1920.	3769	\$ 2,670
236	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3541	054	010719	Location: W Bridge and Main ST, W Front, Walnut CT and Redbud, Perry, KS. To Retire: 1,824 ft of 2-inch APBS, 92 ft of 11/4-inch APCS, 435 ft of 2-inch APCS, 574 ft of 2-inch APCS and 598 ft of 2-inch PE. To install : 1,150 ft of 2-inch PE on W front & Walnut CT, 390 ft of 2-inch PE on Main ST, and 100 ft of 2-inch PE on Redbud LN for a total of 1,640 ft of 2-inch PE. The 2-inch bare steel main was originally installed in 1920.	3800	\$ 36,865
237	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3541	054	010719	Location: W Bridge and Main ST, W Front, Walnut CT and Redbud, Perry, KS. To Retire: 1,824 ft of 2-inch APBS, 92 ft of 11/4-inch APCS, 435 ft of 2-inch APCS, 574 ft of 2-inch APCS and 598 ft of 2-inch PE. To install : 1,150 ft of 2-inch PE on W front & Walnut CT, 390 ft of 2-inch PE on Main ST, and 100 ft of 2-inch PE on Redbud LN for a total of 1,640 ft of 2-inch PE. The 2-inch bare steel main was originally installed in 1920.	3820	\$ 27,668
238	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3541	054	010719	Location: W Bridge and Main ST, W Front, Walnut CT and Redbud, Perry, KS. To Retire: 1,824 ft of 2-inch APBS, 92 ft of 11/4-inch APCS, 435 ft of 2-inch APCS, 574 ft of 2-inch APCS and 598 ft of 2-inch PE. To install : 1,150 ft of 2-inch PE on W front & Walnut CT, 390 ft of 2-inch PE on Main ST, and 100 ft of 2-inch PE on Redbud LN for a total of 1,640 ft of 2-inch PE. The 2-inch bare steel main was originally installed in 1920.	3830	\$ 213
239	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3541	054	010721	315 E 3RD ST, Perry, KS - To Install: 375-feet2-inch PE. To Retire: 370-feet2-inch BS, 5-feet 2-inch CS Replacement project: This project is a replacement project to replace 375-feet of 2-inch BS main that was found to be leaking near the intersection of E 3RD ST and Cedar ST in Perry, KS. The main was too thin to weld on so a temporary clamp was installed, necessitating a permanent repair.	3760	\$ 19,652

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
240	Bare Steel Main Replacement	K.S.A. 66-2202	3/21/2022	3541	054	010722	2245 SW Winterwood Ln, Topeka KS - TO INSTALL: 750 ft of 2" MDPE. TO RETIRE: 370 ft of 2" APBS BARE STEEL REPLACEMENT: This work is to replace part of the 2" APBS main in the easement between SW Edgewater and Winterwood north of 23rd. There are three active leaks on this section of main LK2020-10097465, LK2020-10097517, LK2020-10097505.	3760	\$ 38,605
241	Bare Steel Main Replacement	K.S.A. 66-2202	3/21/2022	3541	054	010722	2245 SW Winterwood Ln, Topeka KS - TO INSTALL: 750 ft of 2" MDPE. TO RETIRE: 370 ft of 2" APBS BARE STEEL REPLACEMENT: This work is to replace part of the 2" APBS main in the easement between SW Edgewater and Winterwood north of 23rd. There are three active leaks on this section of main LK2020-10097465, LK2020-10097517, LK2020-10097505.	3800	\$ 35,436
242	Bare Steel Main Replacement	K.S.A. 66-2202	4/15/2022	3541	054	010724	Cross Creek Crossings, Rossville, KS. North side of Highway 24 at Pottawatomie and Pine. To Retire: 156-ft of 2-inch RPCS 1955, 181-ft of 2" RPBS 1931,192-ft of11/4-inch RPBS 1931 and 300-ft of 11/4-inch RPBS 1931. To install: North side of Highway 24, 650-ft of 2.375-inch x .154-inch wt ARO and on the South side of Highway 24 650-ft of 2-inch PE.	3760	\$ 21,944
243	Bare Steel Main Replacement	K.S.A. 66-2202	4/15/2022	3541	054	010724	Cross Creek Crossings, Rossville, KS. North side of Highway 24 at Pottawatomie and Pine. To Retire: 156-ft of 2-inch RPCS 1955, 181-ft of 2" RPBS 1931,192-ft of11/4-inch RPBS 1931 and 300-ft of 11/4-inch RPBS 1931. To install: North side of Highway 24, 650-ft of 2.375-inch x .154-inch wt ARO and on the South side of Highway 24 650-ft of 2-inch PE.	3765	\$ 38,991
244	Bare Steel Main Replacement	K.S.A. 66-2202	4/15/2022	3541	054	010724	Cross Creek Crossings, Rossville, KS. North side of Highway 24 at Pottawatomie and Pine. To Retire: 156-ft of 2-inch RPCS 1955, 181-ft of 2" RPBS 1931,192-ft of11/4-inch RPBS 1931 and 300-ft of 11/4-inch RPBS 1931. To install: North side of Highway 24, 650-ft of 2.375-inch x .154-inch wt ARO and on the South side of Highway 24 650-ft of 2-inch PE.	3800	\$ 9,068
245	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3541	054	010727	Location: E RD and SW Capehart, Topeka, KS. Install: 1400-feet of 4-inch PE. Retire: 1,061-feet 3-inch APBS; 140-feet of 6-inch APBS; 184-feet of 3-inch APCS. This project was chosen as part of the 2022 annual work plan. Replacing the 3-inch APBS along the west side of E rd at Forbes Industrial Park in Topeka. There are two service lines on this stretch of main that will be replaced in conjunction with the main.	3760	\$ 42,654
246	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3541	054	010727	Location: E RD and SW Capehart, Topeka, KS. Install: 1400-feet of 4-inch PE. Retire: 1,061-feet 3-inch APBS; 140-feet of 6-inch APBS; 184-feet of 3-inch APCS. This project was chosen as part of the 2022 annual work plan. Replacing the 3-inch APBS along the west side of E rd at Forbes Industrial Park in Topeka. There are two service lines on this stretch of main that will be replaced in conjunction with the main.	3800	\$ 2,177
247	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3541	054	010727	Location: E RD and SW Capehart, Topeka, KS. Install: 1400-feet of 4-inch PE. Retire: 1,061-feet 3-inch APBS; 140-feet of 6-inch APBS; 184-feet of 3-inch APCS. This project was chosen as part of the 2022 annual work plan. Replacing the 3-inch APBS along the west side of E rd at Forbes Industrial Park in Topeka. There are two service lines on this stretch of main that will be replaced in conjunction with the main.	3830	\$ 1,322
248	Bare Steel Main Replacement	K.S.A. 66-2202	4/25/2022	3522	053	011522	GSRS 63rd Ter and Lowell Ave - Main Reinforcement to Abandon Main in Rear Easement. To Install: 450' 4" PE Main, 150' 2" PE main. To Retire: 250' 3" BS Main. This work is being done to reinforce the system so the main can be abandoned west of 7512 W 63rd Ter. A 2" main will be installed along W 63rd Ter to serve these two lots. Since this project is being done for safety reasons KGS will be paying for this work.	3760	\$ 20,236
249	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3522	054	011530	61st St from Edith St to Sloan Ave BS Main Replacement Install: 340' of 2" PE Retire: 340' of 2" BS Work is being done to replace a leaking bare steel main just north of Edith St. There are two back to back bands that are leaking. This was discovered when a bare steel service line was being replaced.	3760	\$ 29,212
250	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3522	054	011530	61st St from Edith St to Sloan Ave BS Main Replacement Install: 340' of 2" PE Retire: 340' of 2" BS Work is being done to replace a leaking bare steel main just north of Edith St. There are two back to back bands that are leaking. This was discovered when a bare steel service line was being replaced.	3769	\$ 1,046
251	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3522	054	011530	61st St from Edith St to Sloan Ave BS Main Replacement Install: 340' of 2" PE Retire: 340' of 2" BS Work is being done to replace a leaking bare steel main just north of Edith St. There are two back to back bands that are leaking. This was discovered when a bare steel service line was being replaced.	3800	\$ 680
252	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3522	054	011537	61st & Ballentine Shawnee, KS - This work order is for the replacement of 1,050 feet of bare steel main with MDPE main. This project has been approved for the 2020 annual work plan and contribute towards the total bare steel main replacement. Install: 1050 ft 2" PE main Retire: 1050 ft 2" BS main. LK16-10094 LK16-10092 LK15-50188	3760	\$ 54,376
253	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3522	054	011537	61st & Ballentine Shawnee, KS - This work order is for the replacement of 1,050 feet of bare steel main with MDPE main. This project has been approved for the 2020 annual work plan and contribute towards the total bare steel main replacement. Install: 1050 ft 2" PE main Retire: 1050 ft 2" BS main. LK16-10094 LK16-10092 LK15-50188	3800	\$ 54,603
254	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3522	054	011539	Roe Ln & Woodview Ridge Kansas City, KS - This work order is for the replacement of 770 feet of 4" bare steel main with 6" coated steel main. The main is partially exposed and highly deteriorated. A KDOT permit will be required for the north tie-in of the project. Install: 770 ft 6" CS main Retire: 770 ft 4" BS main.	3765	\$ 249,873
255	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3522	054	011539	Roe Ln & Woodview Ridge Kansas City, KS - This work order is for the replacement of 770 feet of 4" bare steel main with 6" coated steel main. The main is partially exposed and highly deteriorated. A KDOT permit will be required for the north tie-in of the project. Install: 770 ft 6" CS main Retire: 770 ft 4" BS main.	3769	\$ 1,494
256	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3522	054	011539	Roe Ln & Woodview Ridge Kansas City, KS - This work order is for the replacement of 770 feet of 4" bare steel main with 6" coated steel main. The main is partially exposed and highly deteriorated. A KDOT permit will be required for the north tie-in of the project. Install: 770 ft 6" CS main Retire: 770 ft 4" BS main.	3800	\$ 8,606
257	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3522	053	011545	91st Terr and Craig St, Overland Park KS - Exposed 4 inch BS Main. Install: 1-ea 3 inch 3-way Tee 2 ea 4 inch 3-way Tee 240 feet of 4 inch PE Main. Retire: 200 feet of 4 inch BS Main 40 feet of 3 inch PE Main.	3760	\$ 7,584
258	Bare Steel Main Replacement	K.S.A. 66-2202	8/31/2021	3522	053	011555	55th St and Widmer St - Shawnee KS Install: 20 feet of 4 inch PE Main1 ea 4 inch PE Valve Retire: 20 feet of 4 inch BS Main 1 ea 4 inch PE Valve. Leaking 4 inch Valve and BS main exposed.	3760	\$ 1,592
259	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3522	054	011572	93rd & Quivira, Overland Park, KS - 2021 Bare Steel Replacement Install: 1,380' of 6" PE main and 300' of 4" PE main Retire: 1312' of 6" BS main; 81' of 6" CS main; 300' of 3" BS main This work is being done as part of the 2021 Bare Steel Replacement Projects.	3760	\$ 151,245

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
260	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3522	054	011572	93rd & Quivira, Overland Park, KS - 2021 Bare Steel Replacement Install: 1,380' of 6" PE main and 300' of 4" PE main Retire: 1312' of 6" BS main; 81' of 6" CS main; 300' of 3" BS main This work is being done as part of the 2021 Bare Steel Replacement Projects.	3765	\$ 480
261	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3522	054	011572	93rd & Quivira, Overland Park, KS - 2021 Bare Steel Replacement Install: 1,380' of 6" PE main and 300' of 4" PE main Retire: 1312' of 6" BS main; 81' of 6" CS main; 300' of 3" BS main This work is being done as part of the 2021 Bare Steel Replacement Projects.	3769	\$ 686
262	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3522	054	011572	93rd & Quivira, Overland Park, KS - 2021 Bare Steel Replacement Install: 1,380' of 6" PE main and 300' of 4" PE main Retire: 1312' of 6" BS main; 81' of 6" CS main; 300' of 3" BS main This work is being done as part of the 2021 Bare Steel Replacement Projects.	3800	\$ 9,185
263	Bare Steel Main Replacement	K.S.A. 66-2202	3/21/2022	3522	054	011577	34th and Powell - 2021 Bare Steel Replacement. To Install: 2,750' 2" PE main. To Retire: 670' 2.5" BS Main, 1,177' 2" BS Main, 183' 2" CS Main, 632' 3" CS Main, 25' 2" PE Main. This work is being done as part of the 2021 Bare Steel Replacement Projects. The oldest segments of bare steel main was installed in 1911.	3760	\$ 231,268
264	Bare Steel Main Replacement	K.S.A. 66-2202	3/21/2022	3522	054	011577	34th and Powell - 2021 Bare Steel Replacement. To Install: 2,750' 2" PE main. To Retire: 670' 2.5" BS Main, 1,177' 2" BS Main, 183' 2" CS Main, 632' 3" CS Main, 25' 2" PE Main. This work is being done as part of the 2021 Bare Steel Replacement Projects. The oldest segments of bare steel main was installed in 1911.	3769	\$ 785
265	Bare Steel Main Replacement	K.S.A. 66-2202	3/21/2022	3522	054	011577	34th and Powell - 2021 Bare Steel Replacement. To Install: 2,750' 2" PE main. To Retire: 670' 2.5" BS Main, 1,177' 2" BS Main, 183' 2" CS Main, 632' 3" CS Main, 25' 2" PE Main. This work is being done as part of the 2021 Bare Steel Replacement Projects. The oldest segments of bare steel main was installed in 1911.	3800	\$ 59,802
266	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3522	054	011578	N 43rd St and Oakland Ave, Kansas City, KS. Install: 650' of 2" PE main. Retire: 520' of 2" BS; 130' of 2" CS. This job is being done to replace a main that has multiple leaks that cannot be permanentlyrepaired due to the deterioration of the steel pipe. There are 3 repaired leaks on the main and 1 active leak.There are 14 plastic, 1 bare steel, and 1 coated steel services on this section of main.	3760	\$ 75,899
267	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3522	054	011578	N 43rd St and Oakland Ave, Kansas City, KS. Install: 650' of 2" PE main. Retire: 520' of 2" BS; 130' of 2" CS. This job is being done to replace a main that has multiple leaks that cannot be permanentlyrepaired due to the deterioration of the steel pipe. There are 3 repaired leaks on the main and 1 active leak.There are 14 plastic, 1 bare steel, and 1 coated steel services on this section of main.	3769	\$ 1,540
268	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3522	054	011580	66th St & Parkview Ave, Kansas City, KS Install:2,650' of 2" PE main. Retire: 2,109' of 4" BS, 80' of 4" CS, 347' of 2" CS and 50' of 2" PEmain. 38 PE service line tie overs 1 CS service renewal. There is one class 1 cleared leak, one class 2 cleared leak and eight class 3 cleared leaks.	3760	\$ 109,099
269	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3522	054	011580	66th St & Parkview Ave, Kansas City, KS Install:2,650' of 2" PE main. Retire: 2,109' of 4" BS, 80' of 4" CS, 347' of 2" CS and 50' of 2" PEmain. 38 PE service line tie overs 1 CS service renewal. There is one class 1 cleared leak, one class 2 cleared leak and eight class 3 cleared leaks.	3769	\$ 425
270	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3522	054	011580	66th St & Parkview Ave, Kansas City, KS Install:2,650' of 2" PE main. Retire: 2,109' of 4" BS, 80' of 4" CS, 347' of 2" CS and 50' of 2" PEmain. 38 PE service line tie overs 1 CS service renewal. There is one class 1 cleared leak, one class 2 cleared leak and eight class 3 cleared leaks.	3800	\$ 31,713
271	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3522	054	011581	Robinson St-61st St to 61st Ter, Overland Park, KS Install: 492' of 2" PE main Tie over 9 PE services Retire: 432' of 2" BS and 60' of 2" CS main This project is necessary to replace a section of deteriorating 2" BS main. There is currently one active leak that cannot be permanently repaired due to the deteriorated wall thickness of the main. Also, this project will eliminate a below ground insulated coupling which is subject to leakage in the future. This section of main has 2 repaired grade 3 leaks.	3760	\$ 24,866
272	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3522	054	011581	Robinson St-61st St to 61st Ter, Overland Park, KS Install: 492' of 2" PE main Tie over 9 PE services Retire: 432' of 2" BS and 60' of 2" CS main This project is necessary to replace a section of deteriorating 2" BS main. There is currently one active leak that cannot be permanently repaired due to the deteriorated wall thickness of the main. Also, this project will eliminate a below ground insulated coupling which is subject to leakage in the future. This section of main has 2 repaired grade 3 leaks.	3800	\$ 5,002
273	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3522	054	011586	62nd and Yecker - Class 2 leak repair - BS Main Replacement. To Install: 330' 2" PE Main. To Retire: 305' 2" BS Main. This work is being done to replace the main at 62nd and Yecker due to a Class 2 Leak. The leak was found under the driveway to 6135 Yecker. The 2" BS main was had the bottom of the pipe blow out. The crew was able to install a band on the pipe to fix the leak temporarily. The 2"BS Main was installed in 1953.	3760	\$ 14,100
274	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3522	054	011586	62nd and Yecker - Class 2 leak repair - BS Main Replacement. To Install: 330' 2" PE Main. To Retire: 305' 2" BS Main. This work is being done to replace the main at 62nd and Yecker due to a Class 2 Leak. The leak was found under the driveway to 6135 Yecker. The 2" BS main was had the bottom of the pipe blow out. The crew was able to install a band on the pipe to fix the leak temporarily. The 2"BS Main was installed in 1953.	3800	\$ 13,546
275	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3522	054	011592	730 Shawnee Rd Kansas City, KS - Deterioration of 2 inch BS Main. This project is to replace 130 feet of 2 inch BS Main that has deteriorated and needs to be replaced. This will require retapping the 6 inch BS Main on Shawnee Rd and relaying the 2 inch Main along S. Coy St. Retire: 130 feet of 2 inch BS Main Install: 130 feet of 2 inch PE Main.	3760	\$ 757
276	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3522	054	011592	730 Shawnee Rd Kansas City, KS - Deterioration of 2 inch BS Main. This project is to replace 130 feet of 2 inch BS Main that has deteriorated and needs to be replaced. This will require retapping the 6 inch BS Main on Shawnee Rd and relaying the 2 inch Main along S. Coy St. Retire: 130 feet of 2 inch BS Main Install: 130 feet of 2 inch PE Main.	3765	\$ 3,978
277	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3522	054	011593	53rd and Riggs - BS Replacement for Class 3 Leak. To Install: 1200' 2" PE Main. To Retire: 812' 2" BS Main, 372' 2" CS Main, 25' 2" PE Main. This work is being done to replace the main on Riggs St due to a class 3 leak LK2019-10095682. The main has several handy bands back to back and can not be encapsulated. The main will be replaced using the BS replacement program to eliminate the leak.	3760	\$ 58,785
278	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3522	054	011593	53rd and Riggs - BS Replacement for Class 3 Leak. To Install: 1200' 2" PE Main. To Retire: 812' 2" BS Main, 372' 2" CS Main, 25' 2" PE Main. This work is being done to replace the main on Riggs St due to a class 3 leak LK2019-10095682. The main has several handy bands back to back and can not be encapsulated. The main will be replaced using the BS replacement program to eliminate the leak.	3769	\$ 258
279	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3522	054	011593	53rd and Riggs - BS Replacement for Class 3 Leak. To Install: 1200' 2" PE Main. To Retire: 812' 2" BS Main, 372' 2" CS Main, 25' 2" PE Main. This work is being done to replace the main on Riggs St due to a class 3 leak LK2019-10095682. The main has several handy bands back to back and can not be encapsulated. The main will be replaced using the BS replacement program to eliminate the leak.	3800	\$ 52,024



Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
280	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3522	054	011600	38th St and Argentine Blvd - KCK Retire: 50 feet of 2 inch BS Main Install: 50 feet of 2 inch PE Main. Tie-Over: 2 ea PE Service Lines	3760	\$ 12,001
281	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3522	054	011600	38th St and Argentine Blvd - KCK Retire: 50 feet of 2 inch BS Main Install: 50 feet of 2 inch PE Main. Tie-Over: 2 ea PE Service Lines	3800	\$ 6,969
282	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3522	054	011607	62nd & Mastin, Merriam, KS - To Install: 500' of 2" PE and 20' of 4" PE To Retire: 500' of 2" Bare Steel. This work is being done to replace a 500' section of deteriorated bare steel main. Multiple band clamps have been installed and can no longer be welded on due to the deterioration. There are 2 active grade 3 leaks on this section of main.	3760	\$ 31,275
283	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3522	054	011607	62nd & Mastin, Merriam, KS - To Install: 500' of 2" PE and 20' of 4" PE To Retire: 500' of 2" Bare Steel. This work is being done to replace a 500' section of deteriorated bare steel main. Multiple band clamps have been installed and can no longer be welded on due to the deterioration. There are 2 active grade 3 leaks on this section of main.	3769	\$ 1,880
284	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3522	054	011607	62nd & Mastin, Merriam, KS - To Install: 500' of 2" PE and 20' of 4" PE To Retire: 500' of 2" Bare Steel. This work is being done to replace a 500' section of deteriorated bare steel main. Multiple band clamps have been installed and can no longer be welded on due to the deterioration. There are 2 active grade 3 leaks on this section of main.	3800	\$ 2,858
285	Bare Steel Main Replacement	K.S.A. 66-2202	7/1/2022	3522	054	011619	55th St & Lathrop Ave, Kansas City, KS Install 460' of 2" PE main. Retire 455' 2" BS and 5' 2" PE main. Permanent Leak Repair: Need to replace 2" APBS along Lathrop due to temporary repair completed on 3/17/21. We installed 2 clamps and were unable to install a weld reinforcing sleeve due to inadequate wall thickness remaining. Main is 0.161" w.t. and pit depth is 0.151" w.t. There is one cleared class 2 leak on the main.	3760	\$ 26,175
286	Bare Steel Main Replacement	K.S.A. 66-2202	7/1/2022	3522	054	011619	55th St & Lathrop Ave, Kansas City, KS Install 460' of 2" PE main. Retire 455' 2" BS and 5' 2" PE main. Permanent Leak Repair: Need to replace 2" APBS along Lathrop due to temporary repair completed on 3/17/21. We installed 2 clamps and were unable to install a weld reinforcing sleeve due to inadequate wall thickness remaining. Main is 0.161" w.t. and pit depth is 0.151" w.t. There is one cleared class 2 leak on the main.	3800	\$ 12,486
287	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3522	054	011622	BS Main Replacement - 8841 Aberdeen St, Leawood, KS. Install 200' 2" PE main to eliminate the class 3 leak. Retire 186' 2" BSmain.Tie over 2 PE service lines.	3760	\$ 15,829
288	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3522	054	011622	BS Main Replacement - 8841 Aberdeen St, Leawood, KS. Install 200' 2" PE main to eliminate the class 3 leak. Retire 186' 2" BSmain.Tie over 2 PE service lines.	3800	\$ 10,921
289	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3522	054	011624	9918 High Drive - BS Main Replacement for Leak Repair. To Install: 100' 2" PE Main. Retire: 95' 2" BS Main. This work is being done to make the permanent repair on leak LK2021-10251606. Leak was temporarily repaired on 10/6/21 by installation of a full encirclement clamp. A weld reinforcing sleeve was unable to be installed due to inadequate remaining wall thickness. There are 2 service lines that will need to be tied over to the new 2" PE main.	3760	\$ 22,928
290	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3522	054	011624	9918 High Drive - BS Main Replacement for Leak Repair. To Install: 100' 2" PE Main. Retire: 95' 2" BS Main. This work is being done to make the permanent repair on leak LK2021-10251606. Leak was temporarily repaired on 10/6/21 by installation of a full encirclement clamp. A weld reinforcing sleeve was unable to be installed due to inadequate remaining wall thickness. There are 2 service lines that will need to be tied over to the new 2" PE main.	3769	\$ 475
291	Bare Steel Main Replacement	K.S.A. 66-2202	3/21/2022	3522	054	011625	3101 W 73rd St, Prairie Village, KS. Install 15' 4" CS main. Retire 13' 4" BS main (1950 vintage). Leak Repair: Install 15' 4" CS main to eliminate the class 3 leak on the 4" BS main that has 7 clamps already near the leak on the gas main.	3765	\$ 6,737
292	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012246	Replace 335' of 3" UPBS with approximately 60' of 2" PE. Tie-in to the existing 3" RPCS south of the 3" 45 degree elbow located at: 3' N of N P/L of 3rd and 7' W of E P/L of Waco. Utilize a 3" 3-way Stopper Tee, a 3"x1" thredolet, a 3"x2" reducer and a 2"x2" transition fitting. Install approximately 60' of 2" PE and end with a 2" purge point. Dig up end of the UPBS at 348' N of N P/L and 12' W of E P/L to purge out and cap off. Old test station will need to be replaced - asset #9000047223 New Test Station is asset #9001886518 The asset (#820550) that shows on the map at the North end of the UPBS main is not active and the meter setting has been removed. One service line will be a tie-over.	3760	\$ 11,892
293	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012246	Replace 335' of 3" UPBS with approximately 60' of 2" PE. Tie-in to the existing 3" RPCS south of the 3" 45 degree elbow located at: 3' N of N P/L of 3rd and 7' W of E P/L of Waco. Utilize a 3" 3-way Stopper Tee, a 3"x1" thredolet, a 3"x2" reducer and a 2"x2" transition fitting. Install approximately 60' of 2" PE and end with a 2" purge point. Dig up end of the UPBS at 348' N of N P/L and 12' W of E P/L to purge out and cap off. Old test station will need to be replaced - asset #9000047223 New Test Station is asset #9001886518 The asset (#820550) that shows on the map at the North end of the UPBS main is not active and the meter setting has been removed. One service line will be a tie-over.	3800	\$ 1,334
294	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012302	This project will replace unprotected BS main in the rear easement east of Fern Ave. We will tie into the existing 2" PE to the north along Dora extending the main by installing approx. 140' of 2" PE to the west. We will install approx. 640' of 2" PE south to May where we will install approx. 50' of 2" PE to the west allowing us to tie into the existing 4" APBS. We will retire approx. 600' of unprotected BS in the rear easement east of Fern.	3760	\$ 38,054
295	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012302	This project will replace unprotected BS main in the rear easement east of Fern Ave. We will tie into the existing 2" PE to the north along Dora extending the main by installing approx. 140' of 2" PE to the west. We will install approx. 640' of 2" PE south to May where we will install approx. 50' of 2" PE to the west allowing us to tie into the existing 4" APBS. We will retire approx. 600' of unprotected BS in the rear easement east of Fern.	3769	\$ 393
296	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012302	This project will replace unprotected BS main in the rear easement east of Fern Ave. We will tie into the existing 2" PE to the north along Dora extending the main by installing approx. 140' of 2" PE to the west. We will install approx. 640' of 2" PE south to May where we will install approx. 50' of 2" PE to the west allowing us to tie into the existing 4" APBS. We will retire approx. 600' of unprotected BS in the rear easement east of Fern.	3800	\$ 42,327
297	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012302	This project will replace unprotected BS main in the rear easement east of Fern Ave. We will tie into the existing 2" PE to the north along Dora extending the main by installing approx. 140' of 2" PE to the west. We will install approx. 640' of 2" PE south to May where we will install approx. 50' of 2" PE to the west allowing us to tie into the existing 4" APBS. We will retire approx. 600' of unprotected BS in the rear easement east of Fern.	3805	\$ 7,003
298	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3721	054	012369	BS Main Replacement - Vine & Dora, Wichita - Retire 2,000' of 2" UPBS, 36' of 2" CS, 48' of 2" PE & 200' of 3" UPBS main as part of the 2020 annual work plan projects. Install 3,600' of 2" PE main. 3 BS Service Line Replacements.	3760	\$ 120,186

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
299	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3721	054	012369	BS Main Replacement - Vine & Dora, Wichita - Retire 2,000' of 2" UPBS, 36' of 2" CS, 48' of 2" PE & 200' of 3" UPBS main as part of the 2020 annual work plan projects. Install 3,600' of 2" PE main. 3 BS Service Line Replacements.	3769	\$ 859
300	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3721	054	012369	BS Main Replacement - Vine & Dora, Wichita - Retire 2,000' of 2" UPBS, 36' of 2" CS, 48' of 2" PE & 200' of 3" UPBS main as part of the 2020 annual work plan projects. Install 3,600' of 2" PE main. 3 BS Service Line Replacements.	3800	\$ 111,645
301	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3721	054	012377	BS Main Replacement - Freeman & James, Haysville - Retire 2,242' of 3" UPBS, 850' of 4" UPBS,490' of 2" UPBS, 630' of 2" APBS,42' of 2" CS, 18' of 4" CS and 172' of 1.25" CS main as part of the 2020 annual wok plan projects. Install 1,000' of 4" PE and 4,800' of 2" PE main.	3760	\$ 182,557
302	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3721	054	012377	BS Main Replacement - Freeman & James, Haysville - Retire 2,242' of 3" UPBS, 850' of 4" UPBS,490' of 2" UPBS, 630' of 2" APBS,42' of 2" CS, 18' of 4" CS and 172' of 1.25" CS main as part of the 2020 annual wok plan projects. Install 1,000' of 4" PE and 4,800' of 2" PE main.	3800	\$ 146,233
303	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012461	This work will replace 480' of 2" APBS, 225' of 2" UPBS, and 150' of 2" APCS in Derby with 850' of 2" PE. 1 PE service will be tied-over / 1 PE service will be a renewal.	3760	\$ 52,080
304	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012461	This work will replace 480' of 2" APBS, 225' of 2" UPBS, and 150' of 2" APCS in Derby with 850' of 2" PE. 1 PE service will be tied-over / 1 PE service will be a renewal.	3800	\$ 6,927
305	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012462	This project will replace 4569' of 2" UPBS, 427' 2" APBS & 363' APCS in west Wichita with 5369' of 2" PE. This project will affect 111 services. All services are PE except for one, which is the BS service to St. Anne's school. It will get renewed, and the rotary meter set will be rebuilt as well.	3760	\$ 184,492
306	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012462	This project will replace 4569' of 2" UPBS, 427' 2" APBS & 363' APCS in west Wichita with 5369' of 2" PE. This project will affect 111 services. All services are PE except for one, which is the BS service to St. Anne's school. It will get renewed, and the rotary meter set will be rebuilt as well.	3769	\$ 834
307	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012462	This project will replace 4569' of 2" UPBS, 427' 2" APBS & 363' APCS in west Wichita with 5369' of 2" PE. This project will affect 111 services. All services are PE except for one, which is the BS service to St. Anne's school. It will get renewed, and the rotary meter set will be rebuilt as well.	3800	\$ 107,549
308	Bare Steel Main Replacement	K.S.A. 66-2202	7/2/2021	3721	054	012464	BS Main Replacement - 3rd & Santa Fe, Wichita - Retire 777' of 4" UPBS main and install 800' of 4" PE main as part of the 2021 annual work plan projects.	3760	\$ 65,057
309	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3721	054	012465	BS Main Replacement - N Commercial Ave & W 4th, Sedgwick - Retire 465' of 4" UPBS main and install 465' of 4" PE main as part of the 2021 annual work plan projects.	3760	\$ 53,761
310	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3721	054	012465	BS Main Replacement - N Commercial Ave & W 4th, Sedgwick - Retire 465' of 4" UPBS main and install 465' of 4" PE main as part of the 2021 annual work plan projects.	3769	\$ 768
311	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3721	054	012465	BS Main Replacement - N Commercial Ave & W 4th, Sedgwick - Retire 465' of 4" UPBS main and install 465' of 4" PE main as part of the 2021 annual work plan projects.	3800	\$ 5,968
312	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012466	BS Main Replacement - 21st & Prince, Wichita - Retire 200' of 6" UPBS, 576' of 4" UPBS, 134' of 4" PE main as part of the 2021 annual work plan projects. Install 925' of 4" PE main.	3760	\$ 79,638
313	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012466	BS Main Replacement - 21st & Prince, Wichita - Retire 200' of 6" UPBS, 576' of 4" UPBS, 134' of 4" PE main as part of the 2021 annual work plan projects. Install 925' of 4" PE main.	3769	\$ 960
314	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012466	BS Main Replacement - 21st & Prince, Wichita - Retire 200' of 6" UPBS, 576' of 4" UPBS, 134' of 4" PE main as part of the 2021 annual work plan projects. Install 925' of 4" PE main.	3800	\$ 13,319
315	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012467	This work will replace 820' of 3" and 4" UPBS with approximately 705' of 2" PE Five residential service lines will be renewed and four commerical service lines will be renewed.	3760	\$ 45,005
316	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012467	This work will replace 820' of 3" and 4" UPBS with approximately 705' of 2" PE Five residential service lines will be renewed and four commerical service lines will be renewed.	3800	\$ 30,351
317	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012468	BS Main Replacement - 8th & Main, Belle Plaine - Retire 376' of 3"RPBS and 499' 2" RPBS main as part of the 2021 annual work plan projects. Install 400' 4" CS, 520' 2" CS, 50' 4" PE and 50' 2" PE main.	3760	\$ 6,287
318	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012468	BS Main Replacement - 8th & Main, Belle Plaine - Retire 376' of 3"RPBS and 499' 2" RPBS main as part of the 2021 annual work plan projects. Install 400' 4" CS, 520' 2" CS, 50' 4" PE and 50' 2" PE main.	3765	\$ 90,635

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319	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012468	BS Main Replacement - 8th & Main, Belle Plaine - Retire 376' of 3"RPBS and 499' 2" RPBS main as part of the 2021 annual work plan projects. Install 400' 4" CS, 520' 2" CS, 50' 4" PE and 50' 2" PE main.	3800	\$ 1,584
320	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3721	054	012470	BS Main Replacement - Esthner & Fern, Wichita - Retire 1415' of 3"UPBS; 2751' 2" UPBS ; 554' of 2" APBS and 53' 2" PE main as part of the 2021 annual work plan projects. Install 2,150' of 4" PE ;1,830' 2" PE main. 5 BS service line renewals.	3760	\$ 173,379
321	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3721	054	012470	BS Main Replacement - Esthner & Fern, Wichita - Retire 1415' of 3"UPBS; 2751' 2" UPBS ; 554' of 2" APBS and 53' 2" PE main as part of the 2021 annual work plan projects. Install 2,150' of 4" PE ;1,830' 2" PE main. 5 BS service line renewals.	3765	\$ 2,071
322	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3721	054	012470	BS Main Replacement - Esthner & Fern, Wichita - Retire 1415' of 3"UPBS; 2751' 2" UPBS ; 554' of 2" APBS and 53' 2" PE main as part of the 2021 annual work plan projects. Install 2,150' of 4" PE ;1,830' 2" PE main. 5 BS service line renewals.	3800	\$ 205,898
323	Bare Steel Main Replacement	K.S.A. 66-2202	9/28/2021	3721	054	012472	BS Main Replacement - Kay & Georgie Ave, Derby - Retire 210' of 3" APBS main and install 235' of 2" PE main as part of the 2021 annual work plan projects.	3760	\$ 49,350
324	Bare Steel Main Replacement	K.S.A. 66-2202	9/28/2021	3721	054	012472	BS Main Replacement - Kay & Georgie Ave, Derby - Retire 210' of 3" APBS main and install 235' of 2" PE main as part of the 2021 annual work plan projects.	3800	\$ 8,604
325	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012473	This project will replace 1438' of 4" UPBS and 1467' of 2" UPBS operating at 18 psig in an urban location within Wichita eliminating UPBS. The segments of main to be replaced lay in the neighborhood surrounding 45th St and Cherry St and will be replaced with 1500' of 4" PE and 1500' of 2" PE operating at 18 psig.	3760	\$ 129,761
326	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012473	This project will replace 1438' of 4" UPBS and 1467' of 2" UPBS operating at 18 psig in an urban location within Wichita eliminating UPBS. The segments of main to be replaced lay in the neighborhood surrounding 45th St and Cherry St and will be replaced with 1500' of 4" PE and 1500' of 2" PE operating at 18 psig.	3765	\$ 1,326
327	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012473	This project will replace 1438' of 4" UPBS and 1467' of 2" UPBS operating at 18 psig in an urban location within Wichita eliminating UPBS. The segments of main to be replaced lay in the neighborhood surrounding 45th St and Cherry St and will be replaced with 1500' of 4" PE and 1500' of 2" PE operating at 18 psig.	3769	\$ 1,148
328	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012473	This project will replace 1438' of 4" UPBS and 1467' of 2" UPBS operating at 18 psig in an urban location within Wichita eliminating UPBS. The segments of main to be replaced lay in the neighborhood surrounding 45th St and Cherry St and will be replaced with 1500' of 4" PE and 1500' of 2" PE operating at 18 psig.	3800	\$ 71,863
329	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012474	BS Main Replacement - 12th & Lewellen, Wichita - Retire 650' of 3" UPBS main as part of the 2021 annual work plan projects. Install 700' of 4" PE and 100' of 2" PE main. 3 BS service line renewals.	3760	\$ 56,347
330	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012474	BS Main Replacement - 12th & Lewellen, Wichita - Retire 650' of 3" UPBS main as part of the 2021 annual work plan projects. Install 700' of 4" PE and 100' of 2" PE main. 3 BS service line renewals.	3800	\$ 49,591
331	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3721	054	012476	BS Main Replacement - 18th & Payne, Wichita - Retire 671' if 2" UPBS and 3' of 2" APCS main as part of the 2021 annual work plan projects. Install 750' of 2" PE main.	3760	\$ 38,046
332	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3721	054	012476	BS Main Replacement - 18th & Payne, Wichita - Retire 671' if 2" UPBS and 3' of 2" APCS main as part of the 2021 annual work plan projects. Install 750' of 2" PE main.	3800	\$ 17,752
333	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012477	BS Main Replacement - Vine & Lydia, Wichita - Retire 217 of' 3" UPBS, 4,364' of 2"UPBS, 490' of 2" APBS, 233' of 2" APCS and 191' of 2" PE main as part of the 2021 annual work plan projects. Install 5,710 of 2" PE main.The BS main at Vine and Lydia was identified as High Risk vintage pipe and picked to be replaced for our first release of 2021 AWP projects.	3760	\$ 234,458
334	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012477	BS Main Replacement - Vine & Lydia, Wichita - Retire 217 of' 3" UPBS, 4,364' of 2"UPBS, 490' of 2" APBS, 233' of 2" APCS and 191' of 2" PE main as part of the 2021 annual work plan projects. Install 5,710 of 2" PE main.The BS main at Vine and Lydia was identified as High Risk vintage pipe and picked to be replaced for our first release of 2021 AWP projects.	3769	\$ 521
335	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012477	BS Main Replacement - Vine & Lydia, Wichita - Retire 217 of' 3" UPBS, 4,364' of 2"UPBS, 490' of 2" APBS, 233' of 2" APCS and 191' of 2" PE main as part of the 2021 annual work plan projects. Install 5,710 of 2" PE main.The BS main at Vine and Lydia was identified as High Risk vintage pipe and picked to be replaced for our first release of 2021 AWP projects.	3800	\$ 139,436
336	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012480	BS Main Replacement - 3rd & St Francis, Wichita - Retire 500' of 6" UPBS main and install 500' of 6" PE main as part of the 2021 annual work plan projects.	3760	\$ 111,422
337	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012480	BS Main Replacement - 3rd & St Francis, Wichita - Retire 500' of 6" UPBS main and install 500' of 6" PE main as part of the 2021 annual work plan projects.	3769	\$ 747
338	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012480	BS Main Replacement - 3rd & St Francis, Wichita - Retire 500' of 6" UPBS main and install 500' of 6" PE main as part of the 2021 annual work plan projects.	3800	\$ 39,901

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
339	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012482	BS Main Replacement - Douglas & Main, Wichita - Retire 313' of 8" UPBS, 47' of 8" APBS, 11' of 6" APCS and 73' of 8" APCS main as part of the 2021 annual work plan projects. Install 450' of 6" PE main.	3760	\$ 211,624
340	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012482	BS Main Replacement - Douglas & Main, Wichita - Retire 313' of 8" UPBS, 47' of 8" APBS, 11' of 6" APCS and 73' of 8" APCS main as part of the 2021 annual work plan projects. Install 450' of 6" PE main.	3769	\$ 1,955
341	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012482	BS Main Replacement - Douglas & Main, Wichita - Retire 313' of 8" UPBS, 47' of 8" APBS, 11' of 6" APCS and 73' of 8" APCS main as part of the 2021 annual work plan projects. Install 450' of 6" PE main.	3800	\$ 24,939
342	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3721	054	012483	BS Main Replacement - 23rd & Waco, Wichita - Retire 2,864' of 3" UPBS main as part of the 2021 annual work plan projects. Install 3,650' of 2" PE main. This project was optimized into the 2021 AWP by virtue of replacing UPBS main to reduce risk.	3760	\$ 119,285
343	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3721	054	012483	BS Main Replacement - 23rd & Waco, Wichita - Retire 2,864' of 3" UPBS main as part of the 2021 annual work plan projects. Install 3,650' of 2" PE main. This project was optimized into the 2021 AWP by virtue of replacing UPBS main to reduce risk.	3769	\$ 288
344	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3721	054	012483	BS Main Replacement - 23rd & Waco, Wichita - Retire 2,864' of 3" UPBS main as part of the 2021 annual work plan projects. Install 3,650' of 2" PE main. This project was optimized into the 2021 AWP by virtue of replacing UPBS main to reduce risk.	3800	\$ 71,533
345	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012484	Retire: 2,765' of 3" and 2" UPBS operating at 12 oz. Install: 3000' of 2" PE operating at 48 psig. This project was optimized into the 2021 AWP by virtue of replacing UPBS main to reduce risk.	3760	\$ 197,502
346	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012484	Retire: 2,765' of 3" and 2" UPBS operating at 12 oz. Install: 3000' of 2" PE operating at 48 psig. This project was optimized into the 2021 AWP by virtue of replacing UPBS main to reduce risk.	3769	\$ 305
347	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012484	Retire: 2,765' of 3" and 2" UPBS operating at 12 oz. Install: 3000' of 2" PE operating at 48 psig. This project was optimized into the 2021 AWP by virtue of replacing UPBS main to reduce risk.	3800	\$ 41,977
348	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012486	BS Main Replacement - Douglas Ave & Emporia, Wichita - Retire 175' of 6" BS, 839' of 8" BS, 14' of 8" APBS, 285' of 8" APCS main as part of the 2021 annual work plan projects. Install 1,450' of 6" PE main. 2 BS service line renewals.	3760	\$ 345,022
349	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012486	BS Main Replacement - Douglas Ave & Emporia, Wichita - Retire 175' of 6" BS, 839' of 8" BS, 14' of 8" APBS, 285' of 8" APCS main as part of the 2021 annual work plan projects. Install 1,450' of 6" PE main. 2 BS service line renewals.	3769	\$ 2,868
350	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012486	BS Main Replacement - Douglas Ave & Emporia, Wichita - Retire 175' of 6" BS, 839' of 8" BS, 14' of 8" APBS, 285' of 8" APCS main as part of the 2021 annual work plan projects. Install 1,450' of 6" PE main. 2 BS service line renewals.	3800	\$ 42,523
351	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012487	BS Main Replacement - 15th St & Estelle, Wichita - Retire 13,475' UPBS, 3,115' PBS, 992' CS, 1,267' PE main as part of the 2021 annual work plan projects. Install 19,100' of 2" PE, 875' of 4" PE. 11 BS service line renewals.	3760	\$ 1,002,758
352	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012487	BS Main Replacement - 15th St & Estelle, Wichita - Retire 13,475' UPBS, 3,115' PBS, 992' CS, 1,267' PE main as part of the 2021 annual work plan projects. Install 19,100' of 2" PE, 875' of 4" PE. 11 BS service line renewals.	3769	\$ 395
353	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012487	BS Main Replacement - 15th St & Estelle, Wichita - Retire 13,475' UPBS, 3,115' PBS, 992' CS, 1,267' PE main as part of the 2021 annual work plan projects. Install 19,100' of 2" PE, 875' of 4" PE. 11 BS service line renewals.	3800	\$ 431,319
354	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012487	BS Main Replacement - 15th St & Estelle, Wichita - Retire 13,475' UPBS, 3,115' PBS, 992' CS, 1,267' PE main as part of the 2021 annual work plan projects. Install 19,100' of 2" PE, 875' of 4" PE. 11 BS service line renewals.	3820	\$ 16,961
355	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012487	BS Main Replacement - 15th St & Estelle, Wichita - Retire 13,475' UPBS, 3,115' PBS, 992' CS, 1,267' PE main as part of the 2021 annual work plan projects. Install 19,100' of 2" PE, 875' of 4" PE. 11 BS service line renewals.	3830	\$ 35,581
356	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012488	BS Main Replacement - 3rd & Cleveland, Wichita - 310' of 2" APBS, 783' of 4" APBS, 386' of 2" APCS, 131' of 4" APCS, 68' of 2" PE main as as part of the 2021 annual work plan projects. Install 825' of 2" PE, 975' of 4" PE main.	3760	\$ 151,394
357	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012488	BS Main Replacement - 3rd & Cleveland, Wichita - 310' of 2" APBS, 783' of 4" APBS, 386' of 2" APCS, 131' of 4" APCS, 68' of 2" PE main as as part of the 2021 annual work plan projects. Install 825' of 2" PE, 975' of 4" PE main.	3800	\$ 6,856
358	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012489	Project was included in the second release of the 2021 Annual Work Plan.This work will replace 265' of 6" UPBS main in a business district with new 6" PE. This main has produced 2 corrosion leaks.	3760	\$ 51,694



Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
359	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012489	Project was included in the second release of the 2021 Annual Work Plan.This work will replace 265' of 6" UPBS main in a business district with new 6" PE. This main has produced 2 corrosion leaks.	3769	\$ 1,424
360	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3721	054	012490	Main Replacement - 2042 S Pinecrest, Wichita - Retire 40' of 2" BS main to permanently repair and replace a leaking coupling under driveway. Install 40' of 2" PE main.	3760	\$ 9,006
361	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3721	054	012490	Main Replacement - 2042 S Pinecrest, Wichita - Retire 40' of 2" BS main to permanently repair and replace a leaking coupling under driveway. Install 40' of 2" PE main.	3769	\$ 2,326
362	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012492	BS Main Replacement - Ross Parkway & George Washington Blvd Phase 2, Wichita - Retire 500' of 1" BS, 1,900' of 2", 2,700' of 3" BS, 1,000' of 4" BS, 300' of 6" BS main. Install1,200' of 2" PE and 3,300' of 4" PE main as part of the 2021 annual work plan projects. 37 bare steel service line renewals. 68 Total Service Lines Affected.	3760	\$ 184,401
363	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012492	BS Main Replacement - Ross Parkway & George Washington Blvd Phase 2, Wichita - Retire 500' of 1" BS, 1,900' of 2", 2,700' of 3" BS, 1,000' of 4" BS, 300' of 6" BS main. Install1,200' of 2" PE and 3,300' of 4" PE main as part of the 2021 annual work plan projects. 37 bare steel service line renewals. 68 Total Service Lines Affected.	3800	\$ 142,803
364	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012493	BS Main Replacement - Ross Parkway & George Washington Blvd Phase 1, Wichita - Retire150' of 2" PE, 670' of 1" BS, 2,400' of 2" BS, 1,800' of 3" BS, 20' of 4" BS, 2,100' of 6" BS main. Install 2,000' of 2" PE, 3,000' of 4" PE & 1,800' of 6" PE main as part of the 2021 annual work plan projects. 36 BS service line renewals. 65 Total Service Lines Affected.	3760	\$ 316,156
365	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012493	BS Main Replacement - Ross Parkway & George Washington Blvd Phase 1, Wichita - Retire150' of 2" PE, 670' of 1" BS, 2,400' of 2" BS, 1,800' of 3" BS, 20' of 4" BS, 2,100' of 6" BS main. Install 2,000' of 2" PE, 3,000' of 4" PE & 1,800' of 6" PE main as part of the 2021 annual work plan projects. 36 BS service line renewals. 65 Total Service Lines Affected.	3800	\$ 110,014
366	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3721	054	012495	BS Main Replacement - Midland & Wichita, Bentley - Retire 475' of 3" RPBS & 55' of 2" RPBS main. Install 525' of 4" RPCS & 110' of 2" RPCS main as part of the 2021 annual work plan projects.9 PE SL Tie Overs	3765	\$ 98,461
367	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3721	054	012495	BS Main Replacement - Midland & Wichita, Bentley - Retire 475' of 3" RPBS & 55' of 2" RPBS main. Install 525' of 4" RPCS & 110' of 2" RPCS main as part of the 2021 annual work plan projects.9 PE SL Tie Overs	3800	\$ 17,947
368	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012498	BS Main Replacement - E 31st St S & S Davidson, Wichita - Retire 300' of 6" RPBS, 400' of 2" RPCS, and 1,500' of 2"RPBS main. Install 560' of 6" RPCS, 825' of 4" PE, and 530' of 2" PE main as part of the 2021 annual work plan projects.	3760	\$ 119,482
369	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012498	BS Main Replacement - E 31st St S & S Davidson, Wichita - Retire 300' of 6" RPBS, 400' of 2" RPCS, and 1,500' of 2"RPBS main. Install 560' of 6" RPCS, 825' of 4" PE, and 530' of 2" PE main as part of the 2021 annual work plan projects.	3765	\$ 125,285
370	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012498	BS Main Replacement - E 31st St S & S Davidson, Wichita - Retire 300' of 6" RPBS, 400' of 2" RPCS, and 1,500' of 2"RPBS main. Install 560' of 6" RPCS, 825' of 4" PE, and 530' of 2" PE main as part of the 2021 annual work plan projects.	3769	\$ 769
371	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012498	BS Main Replacement - E 31st St S & S Davidson, Wichita - Retire 300' of 6" RPBS, 400' of 2" RPCS, and 1,500' of 2"RPBS main. Install 560' of 6" RPCS, 825' of 4" PE, and 530' of 2" PE main as part of the 2021 annual work plan projects.	3800	\$ 42,600
372	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3721	054	012499	BS Main Replacement - Lewis & Greenwood, Wichita - Retire 50' of 3" APCS, 292' of 3" UPBS, 9' of 2" UPBS and 85' of 2" PE main as part of the 2021 annual work plan projects. Install 430' of 4" PE main.The BS main at Lewis and Greenwood was identified as High Risk vintage pipe and picked to be replaced for our second release of 2021 AWP projects.	3760	\$ 88,606
373	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3721	054	012499	BS Main Replacement - Lewis & Greenwood, Wichita - Retire 50' of 3" APCS, 292' of 3" UPBS, 9' of 2" UPBS and 85' of 2" PE main as part of the 2021 annual work plan projects. Install 430' of 4" PE main.The BS main at Lewis and Greenwood was identified as High Risk vintage pipe and picked to be replaced for our second release of 2021 AWP projects.	3769	\$ 2,263
374	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3721	054	012499	BS Main Replacement - Lewis & Greenwood, Wichita - Retire 50' of 3" APCS, 292' of 3" UPBS, 9' of 2" UPBS and 85' of 2" PE main as part of the 2021 annual work plan projects. Install 430' of 4" PE main.The BS main at Lewis and Greenwood was identified as High Risk vintage pipe and picked to be replaced for our second release of 2021 AWP projects.	3800	\$ 8,798
375	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3721	054	012500	BS Main Replacement - Main & 3rd, Udall - Retire 815' of 3" RPBS main as part of the 2021 annual work plan projects. Install 875' of 4" PE main. 1 BS service line renewal.	3760	\$ 55,804
376	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3721	054	012500	BS Main Replacement - Main & 3rd, Udall - Retire 815' of 3" RPBS main as part of the 2021 annual work plan projects. Install 875' of 4" PE main. 1 BS service line renewal.	3769	\$ 286
377	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3721	054	012500	BS Main Replacement - Main & 3rd, Udall - Retire 815' of 3" RPBS main as part of the 2021 annual work plan projects. Install 875' of 4" PE main. 1 BS service line renewal.	3800	\$ 4,830
378	Bare Steel Main Replacement	K.S.A. 66-2202	5/11/2022	3721	054	012501	BS Main Replacement - 11th & Main, Newton - Retire 275' of 4" RPBS & 25' of 4" RPCS main, and retire DRS station piping. Install 275' of 4" PE and 25' CS main. Install new DRS station piping, inlet and outlet valves and new bypass valve. Relocate control lines to new 4" CS main and install relief valve.	3760	\$ 2,579

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
379	Bare Steel Main Replacement	K.S.A. 66-2202	5/11/2022	3721	054	012501	BS Main Replacement - 11th & Main, Newton - Retire 275' of 4" RPBS & 25' of 4" RPCS main, and retire DRS station piping. Install 275' of 4" PE and 25' CS main. Install new DRS station piping, inlet and outlet valves and new bypass valve. Relocate control lines to new 4" CS main and install relief valve.	3765	\$ 15,944
380	Bare Steel Main Replacement	K.S.A. 66-2202	5/11/2022	3721	054	012501	BS Main Replacement - 11th & Main, Newton - Retire 275' of 4" RPBS & 25' of 4" RPCS main, and retire DRS station piping. Install 275' of 4" PE and 25' CS main. Install new DRS station piping, inlet and outlet valves and new bypass valve. Relocate control lines to new 4" CS main and install relief valve.	3780	\$ 47,908
381	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012503	BS Main Replacement - 30th & Barbara, Wichita - Retire 1166' 4" UPBS, 259' 2" UPBS & 224' 2" APCS main as part of the 2021 annual work plan projects. Install 1,160' 4" PE & 500' 2" PE main. 1 BS service line renewal.	3760	\$ 99,283
382	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012503	BS Main Replacement - 30th & Barbara, Wichita - Retire 1166' 4" UPBS, 259' 2" UPBS & 224' 2" APCS main as part of the 2021 annual work plan projects. Install 1,160' 4" PE & 500' 2" PE main. 1 BS service line renewal.	3769	\$ 327
383	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012503	BS Main Replacement - 30th & Barbara, Wichita - Retire 1166' 4" UPBS, 259' 2" UPBS & 224' 2" APCS main as part of the 2021 annual work plan projects. Install 1,160' 4" PE & 500' 2" PE main. 1 BS service line renewal.	3800	\$ 1,473
384	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012504	BS Main Replacement - 9th & Walnut, Newton - Retire 574' of 3" RPBS and 56' of 3" RPCS main as part of the 2021 annual work plan projects. Install 630' of 4" RPCS main.	3765	\$ 81,924
385	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012504	BS Main Replacement - 9th & Walnut, Newton - Retire 574' of 3" RPBS and 56' of 3" RPCS main as part of the 2021 annual work plan projects. Install 630' of 4" RPCS main.	3800	\$ 10,263
386	Bare Steel Main Replacement	K.S.A. 66-2202	5/11/2022	3721	054	012505	BS Main Replacement - 1st & Sedgwick, Wichita - Retire 610' of 6" UPBS, 819' of 4" UPBS, and 427' of 4" APBS main as part of the 2021 annual work plan projects. Install 1,735' of 4" PE main. 1 BS service line renewal.	3760	\$ 125,459
387	Bare Steel Main Replacement	K.S.A. 66-2202	5/11/2022	3721	054	012505	BS Main Replacement - 1st & Sedgwick, Wichita - Retire 610' of 6" UPBS, 819' of 4" UPBS, and 427' of 4" APBS main as part of the 2021 annual work plan projects. Install 1,735' of 4" PE main. 1 BS service line renewal.	3769	\$ 335
388	Bare Steel Main Replacement	K.S.A. 66-2202	5/11/2022	3721	054	012505	BS Main Replacement - 1st & Sedgwick, Wichita - Retire 610' of 6" UPBS, 819' of 4" UPBS, and 427' of 4" APBS main as part of the 2021 annual work plan projects. Install 1,735' of 4" PE main. 1 BS service line renewal.	3800	\$ 61,528
389	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3721	054	012506	BS Main Replacement - 1st & Poplar, Mulvane - Retire 554' of 4"APCS,74' 3" APCS, 84' 2" APCS,120' 4"BS, 686' ' 3" UPBS, 184' 2" UPBS as part of the 2021 annual work plan projects. Install 1,600' of 2" PE main. 1 BS service line renewal.	3760	\$ 102,604
390	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3721	054	012506	BS Main Replacement - 1st & Poplar, Mulvane - Retire 554' of 4"APCS,74' 3" APCS, 84' 2" APCS,120' 4"BS, 686' ' 3" UPBS, 184' 2" UPBS as part of the 2021 annual work plan projects. Install 1,600' of 2" PE main. 1 BS service line renewal.	3769	\$ 412
391	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3721	054	012506	BS Main Replacement - 1st & Poplar, Mulvane - Retire 554' of 4"APCS,74' 3" APCS, 84' 2" APCS,120' 4"BS, 686' ' 3" UPBS, 184' 2" UPBS as part of the 2021 annual work plan projects. Install 1,600' of 2" PE main. 1 BS service line renewal.	3800	\$ 24,121
392	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012510	BS Main Replacement - Murdock & Wichita, Wichita - Retire 845' of 6" UPBS, 775' of 8" RPBS, and 85' of 6" RPCS main as part of the 2021 annual work plan projects. Install 1,040' of 8" RPBS main.	3765	\$ 301,061
393	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012510	BS Main Replacement - Murdock & Wichita, Wichita - Retire 845' of 6" UPBS, 775' of 8" RPBS, and 85' of 6" RPCS main as part of the 2021 annual work plan projects. Install 1,040' of 8" RPBS main.	3800	\$ 22,756
394	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012511	BS Main Replacement - Pawnee & Emporia, Wichita - Retire 360' of 6" APCS, 377' of 6" UPBS, 2,115' of 3" UPBS, 985' of 2" UPBS, 55' of 4" PE, and 180' of 2" PE main as part of the 2021 annual work plan projects. Install 3,340' of 4" PE and 120' of 2" PE main.	3760	\$ 196,563
395	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012511	BS Main Replacement - Pawnee & Emporia, Wichita - Retire 360' of 6" APCS, 377' of 6" UPBS, 2,115' of 3" UPBS, 985' of 2" UPBS, 55' of 4" PE, and 180' of 2" PE main as part of the 2021 annual work plan projects. Install 3,340' of 4" PE and 120' of 2" PE main.	3800	\$ 128,335
396	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3721	054	012513	BS Main Replacement - 1402 S Dodge, Wichita - Retire 300' of 2" APBS main with minimal remaining wall thickness and to permanently replace a tightened Dresser coupling. Install 300' of 2" PE main.	3760	\$ 25,557
397	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3721	054	012513	BS Main Replacement - 1402 S Dodge, Wichita - Retire 300' of 2" APBS main with minimal remaining wall thickness and to permanently replace a tightened Dresser coupling. Install 300' of 2" PE main.	3769	\$ 535
398	Bare Steel Main Replacement	K.S.A. 66-2202	7/27/2021	3721	054	012513	BS Main Replacement - 1402 S Dodge, Wichita - Retire 300' of 2" APBS main with minimal remaining wall thickness and to permanently replace a tightened Dresser coupling. Install 300' of 2" PE main.	3800	\$ 11,434

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
399	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012536	BS Main Replacement - 14th & Washington, Wichita - Retire 208' of 2" UPBS, 115' of 2" APCS main due to a shorted casing. Install 225' of 2" PE main.	3760	\$ 26,372
400	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012536	BS Main Replacement - 14th & Washington, Wichita - Retire 208' of 2" UPBS, 115' of 2" APCS main due to a shorted casing. Install 225' of 2" PE main.	3769	\$ 879
401	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012537	BS Main Replacement - 11th & Emporia, Wichita - Retire 1,017' of 2" UPBS and 887' of 6" CS main as part of the 2021 annual work plan projects. Install 1,200' of 2" PE main.	3760	\$ 61,863
402	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012537	BS Main Replacement - 11th & Emporia, Wichita - Retire 1,017' of 2" UPBS and 887' of 6" CS main as part of the 2021 annual work plan projects. Install 1,200' of 2" PE main.	3769	\$ 444
403	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012537	BS Main Replacement - 11th & Emporia, Wichita - Retire 1,017' of 2" UPBS and 887' of 6" CS main as part of the 2021 annual work plan projects. Install 1,200' of 2" PE main.	3800	\$ 37,507
404	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012538	BS Main Replacement - 20th & Shelton, Wichita - Retire 401' of 2" UPBS and 684' of 3" UPBS main as part of the 2021 annual work plan projects. Install 850' of 2" PE main. 6 BS service line renewals.	3760	\$ 42,358
405	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012538	BS Main Replacement - 20th & Shelton, Wichita - Retire 401' of 2" UPBS and 684' of 3" UPBS main as part of the 2021 annual work plan projects. Install 850' of 2" PE main. 6 BS service line renewals.	3800	\$ 47,146
406	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012539	BS Main Replacement - 17th & Arkansas, Wichita Install: 600' of 2" PE and 20' of 4" PE. Retire: 268' of 3" UPBS and 315' of 2" UPBS. Part of the 2021 Annual Work Plan	3760	\$ 42,352
407	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012539	BS Main Replacement - 17th & Arkansas, Wichita Install: 600' of 2" PE and 20' of 4" PE. Retire: 268' of 3" UPBS and 315' of 2" UPBS. Part of the 2021 Annual Work Plan	3800	\$ 10,147
408	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012541	BS Main Replacement - Mt Vernon & Ellis, Wichita -Retire 195' of 4" APBS, 3060' of 4" UPBS and 174' of 4" PE main as part of the 2021 annual work plan projects. Intall 5,000' of 2" PE main. 20 BS SL renewals. Part of the 2021 Annual Work Plan.	3760	\$ 212,255
409	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012541	BS Main Replacement - Mt Vernon & Ellis, Wichita -Retire 195' of 4" APBS, 3060' of 4" UPBS and 174' of 4" PE main as part of the 2021 annual work plan projects. Intall 5,000' of 2" PE main. 20 BS SL renewals. Part of the 2021 Annual Work Plan.	3800	\$ 90,927
410	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012549	BS Main Replacement - Central & Fountain, Wichita - Retire1,340' of 8" APBS, 85' of 4" PE, and 145' of 2" PE main as part of the 2021 annual work plan projects. Install 1,400 of 6" PE, 60' of 4" PE, and 30' of 2" PE main. 8 BS service line renewals.	3760	\$ 154,260
411	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012549	BS Main Replacement - Central & Fountain, Wichita - Retire1,340' of 8" APBS, 85' of 4" PE, and 145' of 2" PE main as part of the 2021 annual work plan projects. Install 1,400 of 6" PE, 60' of 4" PE, and 30' of 2" PE main. 8 BS service line renewals.	3800	\$ 43,120
412	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012557	BS Main Replacement - 910 E 7th, Newton - Retire 105' of 3" APBS main to permanently repair and replace a tightened Dresser coupling on exiting main segment. Install 105' of 4" PE main.	3760	\$ 22,650
413	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012557	BS Main Replacement - 910 E 7th, Newton - Retire 105' of 3" APBS main to permanently repair and replace a tightened Dresser coupling on exiting main segment. Install 105' of 4" PE main.	3800	\$ 1,781
414	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012558	BS Main Replacement - Douglas & Sheridan, Wichita - Retire 4' of 4" APBS main that dead ends and no longer serves any customers. Install 10' of 4" PE main.	3760	\$ 5,516
415	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012559	BS Main Replacement - 2625 S West, Wichita - Retire 275' of 2" UPBS main to permanently repair and replace multiple leak clamps on existing main with minimal remaining wall thickness. Install 480' of 2" PE main.	3760	\$ 28,495
416	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012559	BS Main Replacement - 2625 S West, Wichita - Retire 275' of 2" UPBS main to permanently repair and replace multiple leak clamps on existing main with minimal remaining wall thickness. Install 480' of 2" PE main.	3769	\$ 461
417	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012559	BS Main Replacement - 2625 S West, Wichita - Retire 275' of 2" UPBS main to permanently repair and replace multiple leak clamps on existing main with minimal remaining wall thickness. Install 480' of 2" PE main.	3800	\$ 23,300
418	Bare Steel Main Replacement	K.S.A. 66-2202	9/16/2021	3721	054	012561	BS Main Replacement - 616 & 615 S Volutsia Ave, Wichita - Retire 50' of 2" APBS main due to two service line tap tees located underneath a customer's tree. Install 60' of 2" PE main. Worked in conjunction with the BS service line renewal at the same address.	3760	\$ 4,359

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
419	Bare Steel Main Replacement	K.S.A. 66-2202	9/16/2021	3721	054	012561	BS Main Replacement - 616 & 615 S Volutsia Ave, Wichita - Retire 50' of 2" APBS main due to two service line tap tees located underneath a customer's tree. Install 60' of 2" PE main. Worked in conjunction with the BS service line renewal at the same address.	3769	\$ 1,867
420	Bare Steel Main Replacement	K.S.A. 66-2202	9/16/2021	3721	054	012561	BS Main Replacement - 616 & 615 S Volutsia Ave, Wichita - Retire 50' of 2" APBS main due to two service line tap tees located underneath a customer's tree. Install 60' of 2" PE main. Worked in conjunction with the BS service line renewal at the same address.	3800	\$ 11,109
421	Bare Steel Main Replacement	K.S.A. 66-2202	8/12/2021	3721	054	012563	BS Main Replacement - Douglas & Westfield, Wichita - Retire 12' of 2" APBS main due to un-repairable leaking tap. Install 13' of 2" APCS main.KGS will replace approx. 12' of 2" APBS with 2" APCS due to a leaking tap at 102 S Westfield.	3769	\$ 1,073
422	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3721	054	012565	BS Main Replacement - 957 S Barlow, Wichita - Retire 55' of 2" APCS and 40' of 2" UPBS main to permanently repair and replace a leaking Dresser coupling. Install 100' of 2" PE main.	3760	\$ 4,253
423	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3721	054	012565	BS Main Replacement - 957 S Barlow, Wichita - Retire 55' of 2" APCS and 40' of 2" UPBS main to permanently repair and replace a leaking Dresser coupling. Install 100' of 2" PE main.	3800	\$ 3,067
424	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012567	BS Main Replacement located at 2601 S Cheyenne Blvd, Wichita. Retire 260' of 2" APBS, 50' of 2" PE and 20' of 4" APBS. A tightened coupling found at 22' WCL Cheyenne & 18' SCL El Rancho. Approx. 310' of 2" PE and 30' of 4" PE will replace the APBS.	3760	\$ 29,778
425	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012567	BS Main Replacement located at 2601 S Cheyenne Blvd, Wichita. Retire 260' of 2" APBS, 50' of 2" PE and 20' of 4" APBS. A tightened coupling found at 22' WCL Cheyenne & 18' SCL El Rancho. Approx. 310' of 2" PE and 30' of 4" PE will replace the APBS.	3769	\$ 2,641
426	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012567	BS Main Replacement located at 2601 S Cheyenne Blvd, Wichita. Retire 260' of 2" APBS, 50' of 2" PE and 20' of 4" APBS. A tightened coupling found at 22' WCL Cheyenne & 18' SCL El Rancho. Approx. 310' of 2" PE and 30' of 4" PE will replace the APBS.	3800	\$ 17,611
427	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3721	054	012569	BS Main Replacement - N Amidon Ave & 11th St, Wichita - Retire 490' of 2" BS main due to obsolescence and to provide reinforcement and increase capacity for a new subdivision. Install 710' of 4" PE main.This project is a BS main replacement located on N Amidon from W 11th St to W 12th St. in Wichita, KS.	3760	\$ 44,743
428	Bare Steel Main Replacement	K.S.A. 66-2202	12/2/2021	3721	054	012569	BS Main Replacement - N Amidon Ave & 11th St, Wichita - Retire 490' of 2" BS main due to obsolescence and to provide reinforcement and increase capacity for a new subdivision. Install 710' of 4" PE main.This project is a BS main replacement located on N Amidon from W 11th St to W 12th St. in Wichita, KS.	3800	\$ 15,430
429	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3721	054	012572	BS Main Replacement - W 17th St N & N Sabin, Wichita - Retire 80' of 4" APBS and 50' of 2" APBS main due to uncovered leaking coupling and minimal remaining wall thickness on exiting main segments. Install 80' of 4" and 50' of 2" PE main.	3760	\$ 16,491
430	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3721	054	012572	BS Main Replacement - W 17th St N & N Sabin, Wichita - Retire 80' of 4" APBS and 50' of 2" APBS main due to uncovered leaking coupling and minimal remaining wall thickness on exiting main segments. Install 80' of 4" and 50' of 2" PE main.	3769	\$ 2,073
431	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3721	054	012572	BS Main Replacement - W 17th St N & N Sabin, Wichita - Retire 80' of 4" APBS and 50' of 2" APBS main due to uncovered leaking coupling and minimal remaining wall thickness on exiting main segments. Install 80' of 4" and 50' of 2" PE main.	3800	\$ 10,286
432	Bare Steel Main Replacement	K.S.A. 66-2202	10/15/2021	3721	054	012574	BS Main Replacement - 2009 W 29th St N, Wichita - Retire 200' of 2" RPBS main to permanently repair and replace two leak clamps installed to fix a leak on the existing main segment. Install 200' of 2" RPBS main.	3765	\$ 11,486
433	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3721	054	012582	BS Main Replacement - 13th & Stratford, Wichita - Retire 1,704' of 4" APBS main as part of the 2021 annual work plan projects. Install 1,500' of 2" PE main. 11 BS service line renewals.	3760	\$ 81,484
434	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3721	054	012582	BS Main Replacement - 13th & Stratford, Wichita - Retire 1,704' of 4" APBS main as part of the 2021 annual work plan projects. Install 1,500' of 2" PE main. 11 BS service line renewals.	3765	\$ 4,625
435	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3721	054	012582	BS Main Replacement - 13th & Stratford, Wichita - Retire 1,704' of 4" APBS main as part of the 2021 annual work plan projects. Install 1,500' of 2" PE main. 11 BS service line renewals.	3769	\$ 2,654
436	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3721	054	012582	BS Main Replacement - 13th & Stratford, Wichita - Retire 1,704' of 4" APBS main as part of the 2021 annual work plan projects. Install 1,500' of 2" PE main. 11 BS service line renewals.	3800	\$ 30,218
437	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3721	054	012584	BS Main Replacement - 8th & Pine, Newton - Retire 232' of 6" RPBS main as part of the 2021 annual work plan projects. Install 250' of 2" PE main. 4 BS service line renewals.	3760	\$ 7,226
438	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3721	054	012584	BS Main Replacement - 8th & Pine, Newton - Retire 232' of 6" RPBS main as part of the 2021 annual work plan projects. Install 250' of 2" PE main. 4 BS service line renewals.	3800	\$ 6,328



Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
439	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3721	054	012585	BS Main Replacement - St Louis & Clayton, Wichita - Retire 229' of 2" UPBS main as part of the 2021 annual work plan projects. Install 230' of 2" PE main.	3760	\$ 66,342
440	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3721	054	012585	BS Main Replacement - St Louis & Clayton, Wichita - Retire 229' of 2" UPBS main as part of the 2021 annual work plan projects. Install 230' of 2" PE main.	3769	\$ 1,340
441	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3721	054	012591	BS Main Replacement - 7048 S Broadway Ave, Haysville. This work will replace 216' of 2" UPBS. Approximately 220' of 2" PE will replace the BS main. Two PE service lines will be tied-over.	3760	\$ 14,964
442	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3721	054	012591	BS Main Replacement - 7048 S Broadway Ave, Haysville. This work will replace 216' of 2" UPBS. Approximately 220' of 2" PE will replace the BS main. Two PE service lines will be tied-over.	3800	\$ 398
443	Bare Steel Main Replacement	K.S.A. 66-2202	10/28/2021	3721	054	012592	Main Replacement - 5944 N Sullivan, Wichita - Retire 20' of 2" APBS and 20' of 2" PE main due to tightened and leaking coupling in close proximity to transition fitting. Install 40' of 2" PE main. LK2021-10195040 was found on a coupling that is connected to a transition fitting in front of 5944 N Sullivan.	3760	\$ 2,116
444	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012597	Retire: 40' of 2" RPCS, 10' of 2" RPBS, and 25' of 2" PE. Install: 50' of 2" RPCS and 25' of 2" PE. LK2021-10131455. A leaking coupling was temporarily repaired via tightening. The coupling is located too close to a 3-way tee for reinforcing sleeve to be installed so the leak will be permanently repaired via main replacement.	3765	\$ 1,630
445	Bare Steel Main Replacement	K.S.A. 66-2202	11/30/2021	3721	054	012597	Retire: 40' of 2" RPCS, 10' of 2" RPBS, and 25' of 2" PE. Install: 50' of 2" RPCS and 25' of 2" PE. LK2021-10131455. A leaking coupling was temporarily repaired via tightening. The coupling is located too close to a 3-way tee for reinforcing sleeve to be installed so the leak will be permanently repaired via main replacement.	3780	\$ 2,102
446	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3721	054	012599	BS Main Replacement - English & Emporia, Wichita - Retire 60' of 6" UPBS and 67' of 2" APBS main as part of the 2021 annual work plan projects. Install 70' of 6" PE main.	3760	\$ 108,785
447	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3721	054	012599	BS Main Replacement - English & Emporia, Wichita - Retire 60' of 6" UPBS and 67' of 2" APBS main as part of the 2021 annual work plan projects. Install 70' of 6" PE main.	3769	\$ 1,177
448	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3721	054	012599	BS Main Replacement - English & Emporia, Wichita - Retire 60' of 6" UPBS and 67' of 2" APBS main as part of the 2021 annual work plan projects. Install 70' of 6" PE main.	3800	\$ 12,156
449	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012601	BS Main Replacement - 15th and Minnesota. Install: 875' of 2" PE. Retire: 573' of 2" APBS, 43' of 2" UPBS, 313' of 2" RPBS, 82' of 2" PE, 363' of 3" UPBS. 14 PE SL tie-overs. The sections of UPBS being retired were installed between 1941 and 1956.	3760	\$ 34,263
450	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012601	BS Main Replacement - 15th and Minnesota. Install: 875' of 2" PE. Retire: 573' of 2" APBS, 43' of 2" UPBS, 313' of 2" RPBS, 82' of 2" PE, 363' of 3" UPBS. 14 PE SL tie-overs. The sections of UPBS being retired were installed between 1941 and 1956.	3769	\$ 475
451	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012601	BS Main Replacement - 15th and Minnesota. Install: 875' of 2" PE. Retire: 573' of 2" APBS, 43' of 2" UPBS, 313' of 2" RPBS, 82' of 2" PE, 363' of 3" UPBS. 14 PE SL tie-overs. The sections of UPBS being retired were installed between 1941 and 1956.	3800	\$ 9,272
452	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3721	054	012602	RPBS Main Replacement - 5th & Garfield, Sedgwick - Retire 2,380' of 2" RPBS, 350' of 3" RPBS, 234' of 1.25" PE and 15' of 2" RPCS main. Install 875' of 2" PE and 450' of 4" PE main. 1 BS SL Renewal. 12 PE Tie Overs 1 BS Commercial Service Line Renewal	3760	\$ 72,276
453	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3721	054	012602	RPBS Main Replacement - 5th & Garfield, Sedgwick - Retire 2,380' of 2" RPBS, 350' of 3" RPBS, 234' of 1.25" PE and 15' of 2" RPCS main. Install 875' of 2" PE and 450' of 4" PE main. 1 BS SL Renewal. 12 PE Tie Overs 1 BS Commercial Service Line Renewal	3769	\$ 691
454	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3721	054	012602	RPBS Main Replacement - 5th & Garfield, Sedgwick - Retire 2,380' of 2" RPBS, 350' of 3" RPBS, 234' of 1.25" PE and 15' of 2" RPCS main. Install 875' of 2" PE and 450' of 4" PE main. 1 BS SL Renewal. 12 PE Tie Overs 1 BS Commercial Service Line Renewal	3800	\$ 31,369
455	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3721	054	012603	RPBS Main Replacement - 25th & College, North Newton - Retire 600' of 3" RPBS main as part of the 2022 annual work plan projects. Install 1,375' of 2" PE main. 2 BS service line renewals, 4 PE Service Line Replacements, 2 BS Service Line Renewals including 1 Commercial Service.	3760	\$ 58,807
456	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3721	054	012603	RPBS Main Replacement - 25th & College, North Newton - Retire 600' of 3" RPBS main as part of the 2022 annual work plan projects. Install 1,375' of 2" PE main. 2 BS service line renewals, 4 PE Service Line Replacements, 2 BS Service Line Renewals including 1 Commercial Service.	3765	\$ 814
457	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3721	054	012603	RPBS Main Replacement - 25th & College, North Newton - Retire 600' of 3" RPBS main as part of the 2022 annual work plan projects. Install 1,375' of 2" PE main. 2 BS service line renewals, 4 PE Service Line Replacements, 2 BS Service Line Renewals including 1 Commercial Service.	3800	\$ 28,650
458	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012605	BS Main Replacement - 15th and Piatt. Install: 600' of 2" PE. Retire: 588' of 3" UPBS and 79' of 2" UPBS. 6 PE SL are affected. 3 PE Tie overs, 1 PE replacement and 2 decommission for inactivity.	3760	\$ 32,191

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
459	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012605	BS Main Replacement - 15th and Piatt. Install: 600' of 2" PE. Retire: 588' of 3" UPBS and 79' of 2" UPBS. 6 PE SL are affected. 3 PE Tie overs, 1 PE replacement and 2 decommission for inactivity.	3800	\$ 2,829
460	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012612	BS Main Replacement - Elm St. and Lorraine St. Install: 1065' of 4" PE Retire: 489' of 3" UPBS; 208' of 3" APCS; 233' of 2" UPBS. 8 PE Service Line tie overs and 5 PE Service line Replacements. The sections of UPBS being retired are showing installed anywhere as early as 1920, 1927, and 1963, 1965.	3760	\$ 63,756
461	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012612	BS Main Replacement - Elm St. and Lorraine St. Install: 1065' of 4" PE Retire: 489' of 3" UPBS; 208' of 3" APCS; 233' of 2" UPBS. 8 PE Service Line tie overs and 5 PE Service line Replacements. The sections of UPBS being retired are showing installed anywhere as early as 1920, 1927, and 1963, 1965.	3800	\$ 14,233
462	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012613	BS Main Replacement - Bayley & Fabrique, Wichita - Retire 100' of 3" UPBS and 5' of 2" UPBS main to permanently repair and replace a leaking Dresser coupling on existing main segment. Install 100' of 2" PE main.	3760	\$ 3,063
463	Bare Steel Main Replacement	K.S.A. 66-2202	1/26/2022	3721	054	012613	BS Main Replacement - Bayley & Fabrique, Wichita - Retire 100' of 3" UPBS and 5' of 2" UPBS main to permanently repair and replace a leaking Dresser coupling on existing main segment. Install 100' of 2" PE main.	3769	\$ 1,016
464	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3721	054	012615	BS Main Replacement - 2901 N Fountain, Wichita - Retire 119' of 2" APBS and 280' of 4" APCS main exposed in creek, deteriorating, and in poor condition. Install 250' of 4" PE main.	3760	\$ 25,778
465	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3721	054	012615	BS Main Replacement - 2901 N Fountain, Wichita - Retire 119' of 2" APBS and 280' of 4" APCS main exposed in creek, deteriorating, and in poor condition. Install 250' of 4" PE main.	3769	\$ 1,652
466	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3721	054	012629	BS Main Replacement - 2364 S Walnut, Wichita - Retire 465' of 2" UPBS, 150' of 2" APBS, & 5' of 4" RPBS main to permanently repair and replace 5 leak clamps installed on leaking corrosion pits on existing main segment. Install 750' of 2" PE and 5' of 4" CS main.	3760	\$ 62,986
467	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3721	054	012629	BS Main Replacement - 2364 S Walnut, Wichita - Retire 465' of 2" UPBS, 150' of 2" APBS, & 5' of 4" RPBS main to permanently repair and replace 5 leak clamps installed on leaking corrosion pits on existing main segment. Install 750' of 2" PE and 5' of 4" CS main.	3765	\$ 2,027
468	Bare Steel Main Replacement	K.S.A. 66-2202	5/16/2022	3721	054	012629	BS Main Replacement - 2364 S Walnut, Wichita - Retire 465' of 2" UPBS, 150' of 2" APBS, & 5' of 4" RPBS main to permanently repair and replace 5 leak clamps installed on leaking corrosion pits on existing main segment. Install 750' of 2" PE and 5' of 4" CS main.	3800	\$ 8,838
469	Bare Steel Main Replacement	K.S.A. 66-2202	3/15/2022	3721	054	012631	BS Main Replacement - 8215 Willowbrook, Wichita - Retire 10' of 4" UPBS and 10' 4" APCS main due to leaking coupling on existing main segment. Install 20' of 4" PE main.	3760	\$ 4,327
470	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3721	054	012632	BS Main Replacement - Maple & Oak, Wichita. The existing 4" UPBS on 12oz will be replaced with an extension of the 33 psig system just to the NE. We'll be installing 970' 2" PE & retiring 920' UPBS. There are 25 services that will be affected by this work and will receive high pressure regulators as well.	3760	\$ 70,069
471	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3721	054	012632	BS Main Replacement - Maple & Oak, Wichita. The existing 4" UPBS on 12oz will be replaced with an extension of the 33 psig system just to the NE. We'll be installing 970' 2" PE & retiring 920' UPBS. There are 25 services that will be affected by this work and will receive high pressure regulators as well.	3800	\$ 45,302
472	Bare Steel Main Replacement	K.S.A. 66-2202	2/28/2022	3721	054	012634	BS Main Replacement - 3401 S Glenn, Wichita - Retire 35' of 2" CS to permanently repair a segment of main with a temporary leak clamp. Install 35' of 2" CS main. LK2021-1001561284	3765	\$ 4,046
473	Bare Steel Main Replacement	K.S.A. 66-2202	2/28/2022	3721	054	012634	BS Main Replacement - 3401 S Glenn, Wichita - Retire 35' of 2" CS to permanently repair a segment of main with a temporary leak clamp. Install 35' of 2" CS main. LK2021-1001561284	3800	\$ 1,281
474	Bare Steel Main Replacement	K.S.A. 66-2202	2/28/2022	3721	054	012637	BS Main Replacement - 2531 N Salina Ave, Wichita - Retire 15' of 2" RPBS main due to tightened and leaking coupling on existing main segment. Install 15' of 2" RPCS main. LK2021-10233458.	3765	\$ 1,364
475	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3721	054	012638	BS Main Replacement - 1844 S Windsor Ct, Wichita - Retire 75' of 2" UPBS main due to leak on coupling and main with minimal remaining wall thickness. Install 75' of 2" PE main.	3760	\$ 6,745
476	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3721	054	012638	BS Main Replacement - 1844 S Windsor Ct, Wichita - Retire 75' of 2" UPBS main due to leak on coupling and main with minimal remaining wall thickness. Install 75' of 2" PE main.	3800	\$ 319
477	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3721	054	012639	BS Main Replacement - 2315 W Greenfield, Wichita - Retire 250' of 2" APBS main to permanently repair and replace the existing segment of main due to leak on pipe with minimal remaining wall thickness. Install 250' of 2" PE main.	3760	\$ 19,293
478	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3721	054	012639	BS Main Replacement - 2315 W Greenfield, Wichita - Retire 250' of 2" APBS main to permanently repair and replace the existing segment of main due to leak on pipe with minimal remaining wall thickness. Install 250' of 2" PE main.	3769	\$ 542

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479	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3721	054	012639	BS Main Replacement - 2315 W Greenfield, Wichita - Retire 250' of 2" APBS main to permanently repair and replace the existing segment of main due to leak on pipe with minimal remaining wall thickness. Install 250' of 2" PE main.	3800	\$ 32,914
480	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012640	BS Main Replacement - 17th & Fairmount, Wichita - Retire 173' of 8" APBS and 28' of 4" APBS main to permanently repair and replace a tightened coupling. Install 200' of 4" PE main.	3760	\$ 26,495
481	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012640	BS Main Replacement - 17th & Fairmount, Wichita - Retire 173' of 8" APBS and 28' of 4" APBS main to permanently repair and replace a tightened coupling. Install 200' of 4" PE main.	3765	\$ 788
482	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012640	BS Main Replacement - 17th & Fairmount, Wichita - Retire 173' of 8" APBS and 28' of 4" APBS main to permanently repair and replace a tightened coupling. Install 200' of 4" PE main.	3780	\$ 5,270
483	Bare Steel Main Replacement	K.S.A. 66-2202	4/13/2022	3721	054	012642	BS Main Replacement - 851 S Millwood, Wichita - Retire 275' of 8" RPBS main with significant corrosion and to permanently replace a leaking coupling on existing main segment. Install 300' of 8" CS main. LK2021-10294876	3765	\$ 79,814
484	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012644	BS Main Replacement - Spencer & Waggoner, Haysville - Retire 250' of 2" BS to permanently repair and replace a leaking coupling on the existing main segment. Install 250' of 2" PE main.	3760	\$ 19,333
485	Bare Steel Main Replacement	K.S.A. 66-2202	3/30/2022	3721	054	012644	BS Main Replacement - Spencer & Waggoner, Haysville - Retire 250' of 2" BS to permanently repair and replace a leaking coupling on the existing main segment. Install 250' of 2" PE main.	3769	\$ 1,372
486	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3721	054	012647	BS Main Replacement - 2401 S Ellis, Wichita - Retire 250' of 2" UPBS main due to leak on existing main segment with minimal remaining wall thickness. Install 250' of 2" PE main.	3760	\$ 17,452
487	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3721	054	012647	BS Main Replacement - 2401 S Ellis, Wichita - Retire 250' of 2" UPBS main due to leak on existing main segment with minimal remaining wall thickness. Install 250' of 2" PE main.	3769	\$ 702
488	Bare Steel Main Replacement	K.S.A. 66-2202	5/3/2022	3721	054	012647	BS Main Replacement - 2401 S Ellis, Wichita - Retire 250' of 2" UPBS main due to leak on existing main segment with minimal remaining wall thickness. Install 250' of 2" PE main.	3800	\$ 25,816
489	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012655	BS Main Replacement - 1914 W 31st St S, Wichita - Retire 700' of 2" BS main due to mutiple leaks on existing main segment with minimal remaining wall thickness. Install 700' of 2" PE main.	3760	\$ 28,627
490	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012655	BS Main Replacement - 1914 W 31st St S, Wichita - Retire 700' of 2" BS main due to mutiple leaks on existing main segment with minimal remaining wall thickness. Install 700' of 2" PE main.	3800	\$ 56,274
491	Bare Steel Main Replacement	K.S.A. 66-2202	2/28/2022	3721	054	012657	BS Main Replacement - Pawnee & Richfield - Retire 10' of 2" APBS and 10' of 4" RPCS main due to leaking fitting on existing main segment. Install 10' of 4" RPCS main and 10' of 2" PE main.	3760	\$ 2,849
492	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012659	BS Main Replacement - Cardinal Ln & 143rd St E, Wichita - Retire 300' of 2" UPBS and 300' of 2" APBS main due to multiple leaks on existing main segment. Install 760' of 2" PE main.	3760	\$ 46,641
493	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012659	BS Main Replacement - Cardinal Ln & 143rd St E, Wichita - Retire 300' of 2" UPBS and 300' of 2" APBS main due to multiple leaks on existing main segment. Install 760' of 2" PE main.	3769	\$ 996
494	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012659	BS Main Replacement - Cardinal Ln & 143rd St E, Wichita - Retire 300' of 2" UPBS and 300' of 2" APBS main due to multiple leaks on existing main segment. Install 760' of 2" PE main.	3800	\$ 31,734
495	Bare Steel Main Replacement	K.S.A. 66-2202	5/18/2022	3721	054	012660	BS Main Replacement - 518 W Sunrise, Wichita - Retire 495' of 2" UPBS main to permanently repair and replace a clamped leak on main with minimal remaining wall thickness. Install 500' of 2" PE main.	3760	\$ 28,223
496	Bare Steel Main Replacement	K.S.A. 66-2202	5/18/2022	3721	054	012660	BS Main Replacement - 518 W Sunrise, Wichita - Retire 495' of 2" UPBS main to permanently repair and replace a clamped leak on main with minimal remaining wall thickness. Install 500' of 2" PE main.	3769	\$ 488
497	Bare Steel Main Replacement	K.S.A. 66-2202	5/18/2022	3721	054	012660	BS Main Replacement - 518 W Sunrise, Wichita - Retire 495' of 2" UPBS main to permanently repair and replace a clamped leak on main with minimal remaining wall thickness. Install 500' of 2" PE main.	3800	\$ 6,041
498	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012666	BS Main Replacement - Murdock & Broadway, Wichita - Retire 370' of 2" APBS main due to permanently repair and replace a clamped leak on main found in poor condition. Install 370' of 4" PE main.	3760	\$ 40,249

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499	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012666	BS Main Replacement - Murdock & Broadway, Wichita - Retire 370' of 2" APBS main due to permanently repair and replace a clamped leak on main found in poor condition. Install 370' of 4" PE main.	3769	\$ 379
500	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012666	BS Main Replacement - Murdock & Broadway, Wichita - Retire 370' of 2" APBS main due to permanently repair and replace a clamped leak on main found in poor condition. Install 370' of 4" PE main.	3800	\$ 8,546
501	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3721	054	012668	BS Main Replacement - 1st & Atchinson, El Dorado - Retire 105' of 4" RPBS and 345' of 4" RPCS main due to leaking main located under a hospital driveway. Install 450' of 4" PE main.	3760	\$ 28,959
502	Bare Steel Main Replacement	K.S.A. 66-2202	6/13/2022	3721	054	012674	BS Main Replacement - 750 S Dury Ln, Wichita - Retire 200' of 2" APBS main to permanently repair and replace a clamped leak on main with minimal remaining wall thickness. Install 200' of 2" PE main.	3760	\$ 30,219
503	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3721	054	012682	BS Main Replacement - 1631 E Evanston, Park City - Retire 410' of 2" RPBS main due to corrosion leak on existing main segment. Install 450' of 2" PE main.	3760	\$ 25,739
504	Bare Steel Main Replacement	K.S.A. 66-2202	6/20/2022	3721	054	012682	BS Main Replacement - 1631 E Evanston, Park City - Retire 410' of 2" RPBS main due to corrosion leak on existing main segment. Install 450' of 2" PE main.	3800	\$ 16,282
505	Bare Steel Main Replacement	K.S.A. 66-2202	6/16/2022	3721	054	012689	BS Main Replacement - 321 E 21st St, Wellington - Retire 105' of 2" RPBS main due to leak on existing main segment. Install 105' of 2" RPCS main.	3765	\$ 6,358
506	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3721	054	012691	BS Main Replacement - 1749 S Glenn St. Retire: 20' of 2" UPBS. Install: 20' of 2" PEL 1 PE SL Tie Over. LK2022-10087340, Class 2 leak was clamped but the pipe is in such bad condition the leak is not sealing off properly.	3760	\$ 187
507	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3721	054	012691	BS Main Replacement - 1749 S Glenn St. Retire: 20' of 2" UPBS. Install: 20' of 2" PEL 1 PE SL Tie Over. LK2022-10087340, Class 2 leak was clamped but the pipe is in such bad condition the leak is not sealing off properly.	3769	\$ 346
508	Bare Steel Main Replacement	K.S.A. 66-2202	6/29/2022	3721	054	012691	BS Main Replacement - 1749 S Glenn St. Retire: 20' of 2" UPBS. Install: 20' of 2" PEL 1 PE SL Tie Over. LK2022-10087340, Class 2 leak was clamped but the pipe is in such bad condition the leak is not sealing off properly.	3800	\$ 2,206
	Bare Steel Main Replacement Total								\$ 18,684,576
509	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/25/2022	3651	053	010156	College Ave - KSU West Stadium Parking Lot. Install: 950ft of 4in PE Service Line. Retire: 550ft of 2in APCS main and 245ft of 1.25in APBS service. The new KSU Volleyball Olympic Training Facility will be built over the top of the existing main, service, and meter set, so it must be relocated. This project will retire the existing facilities and install a 4in PE service line and riser at the new meter set location. This meter set will serve Bramlage, South Stadium, a Track Building, VOTF, and Brandenburry via KSU yard lines. The BS service line to Brandenburry and the sonix 880 at Brandenburry will be removed. The existing 2in PE Valve installed in 2019 will become the service line valve.	3800	\$ 45,497
510	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	7/2/2021	3761	054	010284	BS Service Line Renewal - 120 S National, Fort Scott - Retire 37' of 2" APBS service line and install 40' of 2" PE service line as part of the BS service line renewal program.	3800	\$ 7,833
511	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	7/27/2021	3831	054	010294	BS Service Renewal - 21240 Lakewood Ln, Erie Rural - Install 100' of 2" PE main to replace the offset BS service line at same address. Retire 10' of 2" CS main. Worked in conjunction with the BS SL renewal at the same address.	3760	\$ 11,957
512	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	8/20/2021	3761	054	010308	BS Service Line Replacement - 414 S Broadway, Pittsburg - Retire 70' of 2" APBS service line as part of the BS service line replacement program. Install 64' of 2" PE service line	3800	\$ 1,846
513	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	11/30/2021	3621	054	010314	Install: 160' of 1 1/4" PE SL. Retire : 2" BS YL. Club1 Fitness currently has a BS SL, and a meter sitting near the edge of the property. The meter sitting at the edge of the property is a Rockwell 5000 diaphragm meter setting. The meter is being moved to the building and replaced under a different CUE. The SL will be 160' of 1 ¼" PE, that will be inserted into the existing yardline.	3780	\$ 5,083
514	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	10/28/2021	3641	054	010402	BS Service Line Replacement - 626 S 3rd, Salina - Retire 155' of 2" BS service line as part of the bare steel service line replacement program. Install 155' of 1.25" PE service line.	3800	\$ 3,055
515	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	3/21/2022	3631	054	010428	BS Service Replacement - Retire: 12' of 2" BS SL. Install: 10' of 1.25" PE SL. This BS SL is being replaced as part of the BS SL replacement program.	3769	\$ 1,035
516	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	3/21/2022	3631	054	010428	BS Service Replacement - Retire: 12' of 2" BS SL. Install: 10' of 1.25" PE SL. This BS SL is being replaced as part of the BS SL replacement program.	3800	\$ 881
517	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	3/15/2022	3631	054	010429	BS Service Renewal - 12 N Main, Hutchinson - Retire 10' of 2" CS service line as part of the bare steel service line renewal program. Install 12' of 2" PE service line.	3769	\$ 640

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
518	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	3/15/2022	3631	054	010429	BS Service Renewal - 12 N Main, Hutchinson - Retire 10' of 2" CS service line as part of the bare steel service line renewal program. Install 12' of 2" PE service line.	3800	\$ 1,375
519	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	3/15/2022	3631	054	010430	BS Service Replacement - This service line is being replaced as part to the BS service line replacement program. Retire - 15' - 2" CS service. Install - 12' 1 1/4" PE service	3769	\$ 719
520	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	3/15/2022	3631	054	010430	BS Service Replacement - This service line is being replaced as part to the BS service line replacement program. Retire - 15' - 2" CS service. Install - 12' 1 1/4" PE service	3800	\$ 937
521	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	3/30/2022	3741	054	010439	BS Service Line Renewal - 2448 Edgemont Dr., Arkansas City - Retire UPBS yardline as part of the bare steel service line program. Install 220' of 1.25" PE service line.	3760	\$ 4,918
522	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	3/30/2022	3741	054	010441	BS Service Line Replacement - 305 E Windsor Rd, Arkansas City - Retire 5' of 1.25" BS service line and UPBS yard line as part of the BS service line renewal program. Install 220' of 1.25" PE service line and 20' of 4" CS yard line.	3800	\$ 753
523	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	7/27/2021	3741	054	010474	BS Yard Line Replacement - 102 W Goff North, Arkansas City - Retire 3' of 1.25 PE and 50' of unprotected BS yard line as part of bare steel service line replacement program. Install 70' of 1.25" PE service line.This project was initiated when a property line meter was to be replaced at 102 Goff Industrial Park Rd #North Building in Arkansas City.	3800	\$ 5,695
524	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	7/27/2021	3741	054	010477	BS Service Line Replacement - 313 W Taylor Ave, Arkansas City - Install 230' of 2" PE main to remove BS service line crossing adjacent property line. Worked in conjunction with the BS service line replacement at the same address.The BS service line for 313 W Taylor Ave in Arkansas City, KS runs across the property line of 1401 S 2nd St. NPL cannot replace this BS service line without a main extension to the front of the house. Install approx. 230' of 2" PE main.	3760	\$ 11,314
525	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	1/26/2022	3741	054	010480	BS Service Line Renewal - 903 N C, Wellington - Install 100' of 2" PE main in conjunction with the BS service line renewal at the same address. Main is needed to retire and relocate BS service line crossing private property.The service line for 903 N C in Wellington was found to run across the property for 209 E 14th St. This service is a BS service line and needs a main extension in order to replace the line. This work order will install 100' of 2" PE along E 14th St. from the alley between N B St. and N C St. towards N C St.	3760	\$ 7,005
526	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	3/30/2022	3741	054	010482	BS Service Line Replacement - 611 N B St, Wellington - Retire BS service line. Install 175' of 2" PE main to prevent new service line from crossing private property.	3760	\$ 11,253
527	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	1/26/2022	3741	054	010490	UPBS Yard Line Replacement - 2440 N Summit, Arkansas City - Retire 60' of 2" UPBS yard lines as part of the bare steel service line renewal program. Install 40' of 1.25" PE service line and 60' of 2" PE yard lines to reconnect to customer's lines.	3800	\$ 5,128
528	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	3/21/2022	3522	053	010872	21945 W 83rd Street - NCS Manufacturing BS SL Replacement. To Install: 300' 1-1/4" PE SL. To Retire: 2' 1-1/4" BS SL. This work is being done to replace the service line for the customer at 21945 W 83rd St in Lenexa. The meter is currently a property line setting and the SL is bare steel. The customer has reported several leaks on their yard line so KGS is going to replace the service line and relocate the meter up to the building. The new serviceline will come off the 4" PE mainsouth of the building and go straight north to the building. The customer will be responsible for the additional footage over 200 feet and will be charged at\$4.54 a foot along with any extraordinary costs.	3800	\$ 6,874
529	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	6/20/2022	3721	053	011227	BS Service Line Replacement - 900 Crestway, Derby - Retire 35' of 2" BS service line. Install 35' of 2" PE service line as part of the bare steel service line replacement program.	3760	\$ 2,345
530	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/28/2022	3721	053	011478	Service Line & Meter Relocation - 400 W 4th, Sedgwick - Install 630' of 4" PE main to serve the relocated obsolete meter setting at the above address. Worked in conjunction with the retirement of the 6" UPBS yard line at the same address.	3760	\$ 16,047
531	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	4/28/2022	3721	053	011479	UPBS Yard Line Replacement - 400 W 4th, Sedgwick - Retire 525' of 6" UPBS yard line due to service line and meter setting relocation. Install 225' of 2" PE service line. This work will install a new 2" PE service line to serve the Sedgwick Grade School in conjunction with relocating the meter setting and installing new 4" PE main.	3800	\$ 1,087
532	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	1/26/2022	3721	054	012548	BS Service Line Replacement - 1919 Tulsa, Wichita - Retire 16' of 1.25" BS service line, 16' of 1.25" of CS service line, 1,000' of 8" of UPBS yard line as part of the BS service line replacement program and to establish service on higher pressure main. Install 200' of 2" PE main.	3800	\$ 24,273
533	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	1/26/2022	3721	054	012548	BS Service Line Replacement - 1919 Tulsa, Wichita - Retire 16' of 1.25" BS service line, 16' of 1.25" of CS service line, 1,000' of 8" of UPBS yard line as part of the BS service line replacement program and to establish service on higher pressure main. Install 200' of 2" PE main.	3820	\$ 2,444
534	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	11/30/2021	3721	054	012555	Retire: 2" BS SL Relocate M&R and install new 1-1/4" PE SL. A 2" or greater SL and YL need replaced at 2914 S Spruce St in Wichita. The goal is to reconstruct the meter settings utilizing a branch.	3800	\$ 7,714
535	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	3/30/2022	3721	054	012626	BS Service Line Renewal - 1121 Regal St, Wichita - Retire 49' of 1.25" PE service line as part of the BS service line renewal program and in conflict with new concrete. Install 250' of 2" PE service line and 50' of 4" PE yard line.	3800	\$ 12,249
536	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	3/30/2022	3721	054	012626	BS Service Line Renewal - 1121 Regal St, Wichita - Retire 49' of 1.25" PE service line as part of the BS service line renewal program and in conflict with new concrete. Install 250' of 2" PE service line and 50' of 4" PE yard line.	3805	\$ 2,281
537	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	6/20/2022	3721	054	012669	Scope of Work:Retire: 91' of 2" BS Service Line and 135' of 4" BS Yardline Install: 91' of 1.25" PE Service Line and 135' of 2" PE Yardline: The BS service line needs to be replaced and the first point of entry into the building is the BS yardline so that will need to be replaced as well.SOP: 18 psig MAOP: 20 psig Total Load: 630 CFH	3800	\$ 3,403



Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
538	Bare Steel Service Replacement	K.S.A. 66-2202 and KCC Docket No. 11-KGS-177-TAR	6/13/2022	3721	054	012675	BS Service Line Replacement - 3900 W Central, Wichita - Retire 120' of 2" BS service line due to leak on meter set and service line. Worked as part of the bare steel service line renewal program. Install 120' of 1.25" PE service line.	3800	\$ 5,772
	Bare Steel Service Replacement Total								\$ 211,414
539	Cathodic Protection	192.455 and/or 192.457	7/2/2021	3831	053	010102	Rectifier Replacement - 2nd & McKinle, La Harpe - Retire existing rectifier due to fire damage from lightning strike. Install new H-frame, electrical, and Universal Rectifier.	3765	\$ 5,174
540	Cathodic Protection	192.455 and/or 192.457	3/30/2022	3642	053	010130	Groundbed replacement for rectifier #0649-near 2nd and E Bowland Ave, Lincoln KS. 15 anode groundbed only, rectifier will not be replaced.	3765	\$ 6,627
541	Cathodic Protection	192.455 and/or 192.457	3/30/2022	3642	053	010130	Groundbed replacement for rectifier #0649-near 2nd and E Bowland Ave, Lincoln KS. 15 anode groundbed only, rectifier will not be replaced.	3769	\$ 21,963
542	Cathodic Protection	192.455 and/or 192.457	3/23/2022	3685	043	010133	Replace Rectifier T008 and associated ground bed at MP 135 off of line P2201. Declining pipe to soil readings at this site indicate a need to replace this ground bed. The rectifier will be upgraded while the ground bed is being replaced to a more modern unit. This ground bed was installed in 2008 replacing an existing ground bed installed in 1989	3670	\$ 78,901
543	Cathodic Protection	192.455 and/or 192.457	3/23/2022	3685	043	010134	Replace anodes in the T062 Rectifier Ground Bed at P2001 MP 77. Declining pipe to soil readings at this site indicate a need to replace this ground bed. This ground bed and rectifier were originally installed in 1993. The ground bed was partially replenished with cast iron anodes in 2009.	3670	\$ 74,884
544	Cathodic Protection	192.455 and/or 192.457	5/16/2022	3741	053	010170	Rectifier Replacement - E 11th & Washington, Harper - Retire existing Goodall Rectifier due to improper modifications and to address safety concerns from brakelite panel removal restricting access to AC input. Install new Universal Rectifier ASA1 30-40 AACNRZ.	3765	\$ 5,696
545	Cathodic Protection	192.455 and/or 192.457	5/16/2022	3741	053	010171	Rectifier Replacement - NE 80th Rd & S Monroe, Harper - Retire existing Goodall Rectifier due to manufacture obsolescence and damaged fuses and link bars. Install new Universal Rectifier ASA1 30-40 AACNRZ.	3765	\$ 5,851
546	Cathodic Protection	192.455 and/or 192.457	4/25/2022	3521	053	010187	N Prairie St & Cochran St, Greeley, KS - Install: New pole (pedestal) for rectifier. Retire: Existing pole Corrosion Work for rectifier 0523.	3765	\$ 8,353
547	Cathodic Protection	192.455 and/or 192.457	1/26/2022	3761	053	010227	Rectifier Replacement - S. Vine & Highway 400, Cherokee - Retire existing rectifier due to obsolescence. Install new Rectifier ASA1 40-40 ABCRXZ rectifier unit. Cherokee - South Vine and Highway 400 - Replace Rectifier and Pole KGS Crews will be re-using the existing asset.	3765	\$ 9,650
548	Cathodic Protection	192.455 and/or 192.457	8/25/2021	3721	053	011325	Depleted Grounbed Replacement - N West St & W Elm St, Wichita - Retire existing groundbed due to obsolescence & depletion. Install new groundbed with 8-2660Z cast tubular anodes.	3765	\$ 26,225
549	Cathodic Protection	192.455 and/or 192.457	10/26/2021	3721	053	011448	Rectifier Replacement - 5590 N Hydraulic, Wichita - Retire existing rectifier that experienced an electrical short due to a transformer issue. Install new Universal ASA1 30-40 AACNRZ rectifier.	3765	\$ 5,219
550	Cathodic Protection	192.455 and/or 192.457	10/15/2021	3522	053	011500	Prairie Village Deep Well Ground Bed Replacement - 79th and Fairway - Rectifier 0592. To Install: New Vertical Ground Bed. To Retire: Deep Well Ground Bed. Rectifier 0592 is a Deep Well ground bed that is being replaced with a conventional vertical ground bed. The location of the ground bed is in a Prairie Village park at the intersection of 79th and Norwood. Hayse Management will do the construction and replacement of the rectifier. There will be an additional cost to the project through a disposal company.	3765	\$ 73,404
551	Cathodic Protection	192.455 and/or 192.457	3/21/2022	3522	054	011579	2700 Somerset - Ground Bed Installation. To Install: New Ground Bed This work is being done to install a new ground bed at 2700 Somerset in Prairie Village. The ground bed will protect the 4" BS main going to the south on Ensley Ln. The corrosion deficiency on the section of main could not be remediated with anodes do to pipe deterioration and needs to be ratified to adequately protect they system.	3760	\$ 11,496
552	Cathodic Protection	192.455 and/or 192.457	3/21/2022	3522	054	011579	2700 Somerset - Ground Bed Installation. To Install: New Ground Bed This work is being done to install a new ground bed at 2700 Somerset in Prairie Village. The ground bed will protect the 4" BS main going to the south on Ensley Ln. The corrosion deficiency on the section of main could not be remediated with anodes do to pipe deterioration and needs to be ratified to adequately protect they system.	3765	\$ 9,907
553	Cathodic Protection	192.455 and/or 192.457	3/21/2022	3522	054	011579	2700 Somerset - Ground Bed Installation. To Install: New Ground Bed This work is being done to install a new ground bed at 2700 Somerset in Prairie Village. The ground bed will protect the 4" BS main going to the south on Ensley Ln. The corrosion deficiency on the section of main could not be remediated with anodes do to pipe deterioration and needs to be ratified to adequately protect they system.	3769	\$ 2,427
554	Cathodic Protection	192.455 and/or 192.457	3/21/2022	3522	054	011579	2700 Somerset - Ground Bed Installation. To Install: New Ground Bed This work is being done to install a new ground bed at 2700 Somerset in Prairie Village. The ground bed will protect the 4" BS main going to the south on Ensley Ln. The corrosion deficiency on the section of main could not be remediated with anodes do to pipe deterioration and needs to be ratified to adequately protect they system.	3790	\$ 26,277
	Cathodic Protection Total								\$ 372,053
555	Continuing Surveillance	192.613 (b)	3/21/2022	3532	053	010064	15692 US 159 HWY, Muscotah, KS To Install: 700-feet 2-inch CS. To Retire:700-feet 2-inch CS. Line Depth project: This project is to address the exposed main issue discovered and reported in SR #2021-10033088 on the feed line to Muscotah at the Delaware River crossing, where it was reported that the main was exposed at the river bed and presents a possible hooking problem when debris flow downriver in the spring .No adjustments and/or replacements will be necessary for any service lines. There are no repaired leaks on the main. There are no active leaks on the main.	3765	\$ 43,179

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
556	Continuing Surveillance	192.613 (b)	4/25/2022	3532	053	010069	Location: 109 W Missouri ST, Highland, KS. To Install: 145-feet 2-inch PE. To Retire: 145-feet 2-inch CS. Replacement project: This project is a replacement project to replace 145-feet 2-inch CS that was reported to be exposed along Iowa ST at 109 W Missouri ST in SR #2021-10218597. The depth of main was tested from the NW Corner of the property line to the SW Corner of the property line and was found to be too shallow as well. Adjustments/replacements willnot be required for any service lines. There are no repaired or active leaks on the main.	3760	\$ 11,510
557	Continuing Surveillance	192.613 (b)	11/30/2021	3533	053	010090	142nd St & Nemaha Rd, Valley Falls, KS- Install: 700' of 4" CS main Retire: 700' of 4" CS main. There is a 700' section that is exposed on 142nd St between Marion Rd and Nemaha Rd near Winchester (or Valley Falls), KS. 4" spherical tees will be used.	3765	\$ 68,957
558	Continuing Surveillance	192.613 (b)	6/1/2022	3653	053	010109	Retire 165' 2in CS. Install 165' 2in PE. 1004 12th St, Clay Center KS. This project is a leak repair project to replace 165' 2in CS that has a temporary fix on the leak in Clay Center, KS.	3760	\$ 10,062
559	Continuing Surveillance	192.613 (b)	6/1/2022	3653	053	010109	Retire 165' 2in CS. Install 165' 2in PE. 1004 12th St, Clay Center KS. This project is a leak repair project to replace 165' 2in CS that has a temporary fix on the leak in Clay Center, KS.	3769	\$ 741
560	Continuing Surveillance	192.613 (b)	6/1/2022	3653	053	010109	Retire 165' 2in CS. Install 165' 2in PE. 1004 12th St, Clay Center KS. This project is a leak repair project to replace 165' 2in CS that has a temporary fix on the leak in Clay Center, KS.	3800	\$ 946
561	Continuing Surveillance	192.613 (b)	11/12/2021	3612	046	010123	Transmission Facility Installation – Line P1217 MP 193.2, Clifton – Install Pig Launching Equipment to Facilitate Internal Inspection and Cleaning Operations.	3662	\$ 232,368
562	Continuing Surveillance	192.613 (b)	11/12/2021	3612	046	010123	Transmission Facility Installation – Line P1217 MP 193.2, Clifton – Install Pig Launching Equipment to Facilitate Internal Inspection and Cleaning Operations.	3670	\$ 882,673
563	Continuing Surveillance	192.613 (b)	11/12/2021	3612	046	010123	Transmission Facility Installation – Line P1217 MP 193.2, Clifton – Install Pig Launching Equipment to Facilitate Internal Inspection and Cleaning Operations.	3690	\$ 117,975
564	Continuing Surveillance	192.613 (b)	3/23/2022	3685	043	010135	Trans-Distribution Setting Replacement - Belpre to Macksville Line P0297 - Retire antiquated XT setting having inadequate documentation and showing signs of atmospheric corrosion. Install new XT0919 setting.	3690	\$ 6,898
565	Continuing Surveillance	192.613 (b)	8/3/2021	3641	053	010147	Replacing the 1 1/4" CS Main between 326 Seitz Dr and 332 Seitz Dr due to the main being exposed. Will replace the 1 1/4" CS w/about 70' of2" PE andtying over the two services.	3760	\$ 4,568
566	Continuing Surveillance	192.613 (b)	8/3/2021	3641	053	010147	Replacing the 1 1/4" CS Main between 326 Seitz Dr and 332 Seitz Dr due to the main being exposed. Will replace the 1 1/4" CS w/about 70' of2" PE andtying over the two services.	3800	\$ 2,774
567	Continuing Surveillance	192.613 (b)	5/11/2022	3685	044	010148	Survey, ROW acquisition, and Permitting for Phase III of the P0843 Greensburg line replacement. This project will capture costs for ROW acquisition and permitting for the Greensburg Ph III project. The Survey was completed on the Phase II survey work order, though funds will be allocated for minor adjustments to the alignment drawings due to tie-in changes, as well as costs for construction staking in spring of 2021.	3670	\$ 175,777
568	Continuing Surveillance	192.613 (b)	5/11/2022	3685	044	010148	Survey, ROW acquisition, and Permitting for Phase III of the P0843 Greensburg line replacement. This project will capture costs for ROW acquisition and permitting for the Greensburg Ph III project. The Survey was completed on the Phase II survey work order, though funds will be allocated for minor adjustments to the alignment drawings due to tie-in changes, as well as costs for construction staking in spring of 2021.	3690	\$ 1,268
569	Continuing Surveillance	192.613 (b)	10/4/2021	3685	044	010149	Transmission Pipe Replacement - Line P0843 MP 14, Greensburg - Retire 6 miles of 8" bare and coated steel transmission pipe with insufficient MAOP documentation, internal corrosion, & debris build-up. Install 6 miles of 8.625-inch, 0.219 wt, API-5L X52, ERW, TRL, FBE steel transmission pipe.	3670	\$ 3,610,594
570	Continuing Surveillance	192.613 (b)	10/4/2021	3685	044	010149	Transmission Pipe Replacement - Line P0843 MP 14, Greensburg - Retire 6 miles of 8" bare and coated steel transmission pipe with insufficient MAOP documentation, internal corrosion, & debris build-up. Install 6 miles of 8.625-inch, 0.219 wt, API-5L X52, ERW, TRL, FBE steel transmission pipe.	3690	\$ 26,047
571	Continuing Surveillance	192.613 (b)	10/4/2021	3685	044	010149	Transmission Pipe Replacement - Line P0843 MP 14, Greensburg - Retire 6 miles of 8" bare and coated steel transmission pipe with insufficient MAOP documentation, internal corrosion, & debris build-up. Install 6 miles of 8.625-inch, 0.219 wt, API-5L X52, ERW, TRL, FBE steel transmission pipe.	3800	\$ 31,820
572	Continuing Surveillance	192.613 (b)	10/15/2021	3621	053	010152	CS Main Replacement - Grant & Ave A, Macksville - Retire 113' of 4" and 478' of 2" RPCS main due to Transmission rebuilding their TBS. Main to be replaced was acquired and serves an unused and obsolete above-ground odorant hairpin. Install 725' of 4" RPCS. The transmission department is rebuilding their TBS which requires the distribution department to rebuild the piping at the outlet of the TBS. Instead of replacing just a small portion at the boarder of the TBS site, we will take this opportunity to retire acquired main and an unused above ground odorant hairpin which run through thick trees and an appliance junk yard making an eventual leak repair difficult and dangerous.	3765	\$ 40,530
573	Continuing Surveillance	192.613 (b)	10/15/2021	3621	053	010152	CS Main Replacement - Grant & Ave A, Macksville - Retire 113' of 4" and 478' of 2" RPCS main due to Transmission rebuilding their TBS. Main to be replaced was acquired and serves an unused and obsolete above-ground odorant hairpin. Install 725' of 4" RPCS. The transmission department is rebuilding their TBS which requires the distribution department to rebuild the piping at the outlet of the TBS. Instead of replacing just a small portion at the boarder of the TBS site, we will take this opportunity to retire acquired main and an unused above ground odorant hairpin which run through thick trees and an appliance junk yard making an eventual leak repair difficult and dangerous.	3800	\$ 2,759
574	Continuing Surveillance	192.613 (b)	7/1/2022	3685	044	010156	This project will replace all of line P0623 from St 0+06 to St 53+77. 5,300' of 6" pipe is planned to be installed. Survey, permitting, and alignment drawings as well as the construction work will be accomplished on the same job. Line P0623 was originally installed in 1963 to connect the city of Pratt to the suction side of the then proposed Pratt Compressor Station. The line was constructed of 5402ft of New Wrap Pipe according to WO# 2438 with associated valves and fittings.Replacing this line will ensure accurate and complete TVC records, and new FBE pipe of adequate depth which will reduce the possibility of a line strike.	3652	\$ 77,948

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
575	Continuing Surveillance	192.613 (b)	7/1/2022	3685	044	010156	This project will replace all of line P0623 from St 0+06 to St 53+77. 5,300' of 6" pipe is planned to be installed. Survey, permitting, and alignment drawings as well as the construction work will be accomplished on the same job. Line P0623 was originally installed in 1963 to connect the city of Pratt to the suction side of the then proposed Pratt Compressor Station. The line was constructed of 5402ft of New Wrap Pipe according to WO# 2438 with associated valves and fittings.Replacing this line will ensure accurate and complete TVC records, and new FBE pipe of adequate depth which will reduce the possibility of a line strike.	3670	\$ 592,094
576	Continuing Surveillance	192.613 (b)	12/20/2021	3521	053	010180	9th St & Locust St, Ottawa, KS. Retired 200' of 2" PE main and installed 200' of 2" PE main. This work was done due to the main being struck by lightning. This work order is to permanently repair Class 1 leak LK2021-10223663.	3760	\$ 5,466
577	Continuing Surveillance	192.613 (b)	10/28/2021	3641	053	010182	4th/5th & Walnut/Iron, Salina - Retire 400' of CS and 200' of 2" PE unlocatable main at risk of third-party damage in downtown. Install 400' of 2" CS and 200' of 2" PE. This will be done in conjunction with City of Salina water project.	3760	\$ 47,191
578	Continuing Surveillance	192.613 (b)	10/28/2021	3641	053	010182	4th/5th & Walnut/Iron, Salina - Retire 400' of CS and 200' of 2" PE unlocatable main at risk of third-party damage in downtown. Install 400' of 2" CS and 200' of 2" PE. This will be done in conjunction with City of Salina water project.	3800	\$ 1,151
579	Continuing Surveillance	192.613 (b)	10/26/2021	3621	054	010310	Unprotected YL Replacement - 1438 24th St, Great Bend - Retire 1,088' of UPCS yard line due to leak on transition fitting. Install 500' of 1.25" PE service line. Repair a class 3 leak found on a YL. The leak was found on the transition fitting to the 2" PE YL. The meter will be moved to the structure and the SL is to go towards the east towards NE 10th Ave, a section of PE main that previously not connected to any SL goes into use.	3800	\$ 6,374
580	Continuing Surveillance	192.613 (b)	10/15/2021	3621	054	010312	Main Replacement - Barton Co. Rd & NW 30th Ave, Great Bend - Retire 550' of unlocatable 2" PVC main within the Public Building Survey Buffer. Install 550' of 1.25" PE main.	3760	\$ 4,555
581	Continuing Surveillance	192.613 (b)	3/30/2022	3761	054	010326	Fort Scott - 201 E 23rd - Install approximately 8' of 2" RPCS. KGS Crews located a leak on this section of pipe that cannot be repaired with a punkin. Leak Number: LK2021-1017776. KGS Crews will tie into existing 2" RPCS that runs east and west along East 23rd Street. KGS Crews will travel east approximately 8' then tie into existing 2" RPCS.	3765	\$ 2,225
582	Continuing Surveillance	192.613 (b)	4/28/2022	3761	054	010335	Arma - 701 1/2 E Washington Street - Replace RPCS Main - Install approximately 15' of 2" PE. Abandon 5' of 2" RPCS and 5' of 2" PE. KGS Crews found a dresser leaking where the 2" RPCS meets the 2" PE -LK2022-10048411.	3760	\$ 1,974
583	Continuing Surveillance	192.613 (b)	6/13/2022	3761	054	010337	Girard - 212 E. Saint John - Replace RPCS Main - Install 20' of 3" RPCS and 20' of 2" PE.KGS Crews located a leak on this section of pipe LK2022-10048425. This project will repair the leak.KGS Crews will tie into existing 3" RPCS that runs north and south along North Cherokee Street. KGS Crews will travel west along East Saint John Street for approximately 20' with 3" RPCS then tie into existing 3" RPCS that runs east and west along East Saint John Street. KGS Crews will travel north from the newly installed 3" RPCS for approximately 20' with 2" PE then they will tie into existing 2" PE that runs north and south along North Cherokee Street.	3760	\$ 2,569
584	Continuing Surveillance	192.613 (b)	6/13/2022	3761	054	010337	Girard - 212 E. Saint John - Replace RPCS Main - Install 20' of 3" RPCS and 20' of 2" PE.KGS Crews located a leak on this section of pipe LK2022-10048425. This project will repair the leak.KGS Crews will tie into existing 3" RPCS that runs north and south along North Cherokee Street. KGS Crews will travel west along East Saint John Street for approximately 20' with 3" RPCS then tie into existing 3" RPCS that runs east and west along East Saint John Street. KGS Crews will travel north from the newly installed 3" RPCS for approximately 20' with 2" PE then they will tie into existing 2" PE that runs north and south along North Cherokee Street.	3765	\$ 1,824
585	Continuing Surveillance	192.613 (b)	6/29/2022	3612	044	010375	Survey approximately 800ft for proposed replacement of line p2004. Job order will include exhibit drawings for row purchase/exchange, route drawings, and profiles of all directionally bored. This jo will also cover costs for purchase/exchange of row and permitting required to begin construction.	3670	\$ 18,010
586	Continuing Surveillance	192.613 (b)	6/29/2022	3612	044	010377	Replace approximately 900-feet of pipeline p2004 across highway i-70 in Abilene KS to remediate shorted casing. This section of pipeline p2004 will be replaced to remediate a shorted casing across highway US I-70 in Abilene KS. This shorted casing has been monitored quarterly and tested annually since 2015. Multiple field isolation tests of draining current from the casing and pipeline, then measuring pipe to soil potentials have verified the casing remains shorted. At this location there is a high-water table which is most likely causing an electrolytic short.	3652	\$ 100,326
587	Continuing Surveillance	192.613 (b)	6/29/2022	3612	044	010377	Replace approximately 900-feet of pipeline p2004 across highway i-70 in Abilene KS to remediate shorted casing. This section of pipeline p2004 will be replaced to remediate a shorted casing across highway US I-70 in Abilene KS. This shorted casing has been monitored quarterly and tested annually since 2015. Multiple field isolation tests of draining current from the casing and pipeline, then measuring pipe to soil potentials have verified the casing remains shorted. At this location there is a high-water table which is most likely causing an electrolytic short.	3670	\$ 921,415
588	Continuing Surveillance	192.613 (b)	1/26/2022	3641	054	010400	Main Replacement - 704 E North, Salina - Retire 200' of 4" HPD RPCS due to a shorted casing. Install 200' of 4" RPCS HPD main. It was originally cased for a RR crossing when they put the pipe in in 1949, but the tracks have since been abandoned and removed. Company crews will tie onto the existing APBS on either end with a 4" 3-way tee & 200' of new pipe to allow abandonment of the cased pipe.	3765	\$ 23,846
589	Continuing Surveillance	192.613 (b)	1/26/2022	3641	054	010400	Main Replacement - 704 E North, Salina - Retire 200' of 4" HPD RPCS due to a shorted casing. Install 200' of 4" RPCS HPD main. It was originally cased for a RR crossing when they put the pipe in in 1949, but the tracks have since been abandoned and removed. Company crews will tie onto the existing APBS on either end with a 4" 3-way tee & 200' of new pipe to allow abandonment of the cased pipe.	3769	\$ 695
590	Continuing Surveillance	192.613 (b)	1/26/2022	3631	054	010411	Service Line Replacement - 311 S Kirby, Hutchinson - Retire 93' of 1" RPCS SL due to SL tap leak. Install new 1st cut regulator setting and 100' of 1.25" PE service line. The existing SL tap produced a leak (LK2021-10056797).	3800	\$ 5,784
591	Continuing Surveillance	192.613 (b)	1/26/2022	3631	054	010411	Service Line Replacement - 311 S Kirby, Hutchinson - Retire 93' of 1" RPCS SL due to SL tap leak. Install new 1st cut regulator setting and 100' of 1.25" PE service line. The existing SL tap produced a leak (LK2021-10056797).	3805	\$ 2,960
592	Continuing Surveillance	192.613 (b)	4/19/2022	3541	053	010428	Retire 30 ft of 2-inch PE main. 5943 NE Trenton, Topeka, KS. Install 55 ft of 2-inch PE main. The 2-inch PE main is exposed in the creek.	3760	\$ 12,262
593	Continuing Surveillance	192.613 (b)	10/15/2021	3541	054	010708	Install: 20-ft of 4-in CS main, 65-ft of 2-in CS main. Retire: 20-ft of 4-in CS main, 65-ft of 2-in CS main. At the intersection of SW Fairlawn and SW 19th Ter., Topeka, KS, there is a leaking fitting that can not be permanently fixed. A permanent bypass will be built to resolve the leaking fitting.	3765	\$ 7,275



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594	Continuing Surveillance	192.613 (b)	10/15/2021	3541	054	010708	Install: 20-ft of 4-in CS main, 65-ft of 2-in CS main. Retire: 20-ft of 4-in CS main, 65-ft of 2-in CS main. At the intersection of SW Fairlawn and SW 19th Ter., Topeka, KS, there is a leaking fitting that can not be permanently fixed. A permanent bypass will be built to resolve the leaking fitting.	3780	\$ 34,754
595	Continuing Surveillance	192.613 (b)	10/15/2021	3541	054	010714	2732 SE Michigan Ave, Topeka, KS To Install: 10-feet 2-inch CS To Retire: 10-feet 2-inch CS Abandonment project: This project is a replacement project to 10-feet 2-inch CS main that is leaking at the tap that cannot be tubbed or sleeved to eliminate the leak.	3765	\$ 3,318
596	Continuing Surveillance	192.613 (b)	10/20/2021	3541	054	010715	Install: 10-ft of 4-in CS main Retire: 10-ft of 4-in CS main. This work is being done to remove a leaking fitting that can not fit a reinforcing sleeve.	3765	\$ 30,556
597	Continuing Surveillance	192.613 (b)	6/13/2022	3541	054	010728	Retire 110 ft of 6-inch RPCS and 497-ft 10-inch RPCS. 7215 S Topeka Blvd , Topeka, KS. Install 410 ft of 4-inch PE. This workorder is to abandon the 6-inch coated steel above ground valve loop and to abandon the 6" steel main to permanently repair a leak.	3760	\$ 39,668
598	Continuing Surveillance	192.613 (b)	8/20/2021	3522	054	011573	This project is to eliminate an AOC on a section of 2" PE main. A section of main has washed out creating an exposure and is also catching debris in the creek. New 2" PE will installed to eliminate this AOC. Install:475' of 2" PE main Tie over 2 PE services Retire:475' of 2" PE	3760	\$ 452
599	Continuing Surveillance	192.613 (b)	8/20/2021	3522	054	011573	This project is to eliminate an AOC on a section of 2" PE main. A section of main has washed out creating an exposure and is also catching debris in the creek. New 2" PE will installed to eliminate this AOC. Install:475' of 2" PE main Tie over 2 PE services Retire:475' of 2" PE	3800	\$ 43,524
600	Continuing Surveillance	192.613 (b)	9/20/2021	3522	054	011589	10108 W 96th St - Main Replacement for Leak Repair. To Install: 60' 2" PE Main. To Retire: 50' 2" CS Main. This work is being done to replace the 2" CS Main at 10108 W 96th St that had a class 1 leak on the main (LK2021-10046328). The main is under a breezeway with an apartment above the breezeway. The main was found to be only 6" deep under the pavement. The leak was temporarily repaired but the main needed to be replaced to make a permanent repair and lower the main to 3 feet deep.	3760	\$ 9,199
601	Continuing Surveillance	192.613 (b)	6/13/2022	3522	054	011620	CS Main Replacement - 1801 N 9th St, Kansas City, KS. Install 10' of 6" CS main to eliminate the class 2 leak on the posihold dresser coupling. Retire 6' of 6" CS main.	3769	\$ 17,309
602	Continuing Surveillance	192.613 (b)	6/16/2022	3522	054	011630	9700 Riggs St, Overland Park, KS. Install 10' 2"CS main. Retire 7' 2" CS main Install 10' 2"CS main dog leg to eliminate the obsolete 2" stop.	3765	\$ 10,506
603	Continuing Surveillance	192.613 (b)	6/16/2022	3522	054	011640	CS Main Replacement - 6738 El Monte St, Prairie Village, KS. Install 20' 3" CS main to permanently repair the class 3 leak. Retire 10' 3" BS main.	3765	\$ 1,466
604	Continuing Surveillance	192.613 (b)	3/30/2022	3721	054	012554	Our 4" RPCS main across the drainage canal has been exposed at 35th St. S and Glenn. In order to fix this crossing and get our main to standard depth, we will need replace the 98" of 4" RPCS with 340' 6" CS. Retire: 98' 4" RPCS ; 150' 4" RPBS; 50' 2" RPBS Install: 340' 6" CS	3765	\$ 76,045
605	Continuing Surveillance	192.613 (b)	3/30/2022	3721	054	012554	Our 4" RPCS main across the drainage canal has been exposed at 35th St. S and Glenn. In order to fix this crossing and get our main to standard depth, we will need replace the 98" of 4" RPCS with 340' 6" CS. Retire: 98' 4" RPCS ; 150' 4" RPBS; 50' 2" RPBS Install: 340' 6" CS	3800	\$ 121
606	Continuing Surveillance	192.613 (b)	11/30/2021	3721	054	012568	Main Replacement - 1827 W Greenfield, Wichita - Retire 20' of 2" RPCS and 20' of 40' RPCS main due to exposed and tightened coupling on existing main where multiple fittings are obstructing the use of a welded reinforcement sleeve. Install 20' of 2" PE and 20' of 4" PE main.	3760	\$ 8,730
607	Continuing Surveillance	192.613 (b)	11/30/2021	3721	054	012568	Main Replacement - 1827 W Greenfield, Wichita - Retire 20' of 2" RPCS and 20' of 40' RPCS main due to exposed and tightened coupling on existing main where multiple fittings are obstructing the use of a welded reinforcement sleeve. Install 20' of 2" PE and 20' of 4" PE main.	3769	\$ 1,205
608	Continuing Surveillance	192.613 (b)	3/15/2022	3721	054	012575	Main Replacement - Harry & Topeka, Wichita - Retire 250' of 3" APCS main due to multiple leaking couplings. Install 250' of 4" PE Main.	3760	\$ 7,183
609	Continuing Surveillance	192.613 (b)	3/15/2022	3721	054	012575	Main Replacement - Harry & Topeka, Wichita - Retire 250' of 3" APCS main due to multiple leaking couplings. Install 250' of 4" PE Main.	3765	\$ 4,957
610	Continuing Surveillance	192.613 (b)	11/30/2021	3721	054	012576	Main Replacement - 5228 N Primrose, Wichita - Retire 10' of 2" RPCS and 10' of 2" PE main to permanently repair and replace a tightened Dresser coupling due to leak on existing main segment. Install 25' of 2" PE main.	3760	\$ 3,269
611	Continuing Surveillance	192.613 (b)	1/26/2022	3721	054	012611	Main Replacement - 2667 N Volutsia, Wichita - Retire 80' of 2" RPCS main to permanently repair and replace and leaking Dresser coupling on existing main segment. Install 100' of 2" PE main.	3760	\$ 2,917
612	Continuing Surveillance	192.613 (b)	1/26/2022	3721	054	012611	Main Replacement - 2667 N Volutsia, Wichita - Retire 80' of 2" RPCS main to permanently repair and replace and leaking Dresser coupling on existing main segment. Install 100' of 2" PE main.	3769	\$ 616
613	Continuing Surveillance	192.613 (b)	3/15/2022	3721	054	012625	Main Replacement - 2660 N Pershing, Wichita - Retire 20' of 2" APCS main due to leaking coupling on existing main segment. Install 20' of 2" PE main.	3760	\$ 13,116

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
614	Continuing Surveillance	192.613 (b)	3/15/2022	3721	054	012625	Main Replacement - 2660 N Pershing, Wichita - Retire 20' of 2" APCS main due to leaking coupling on existing main segment. Install 20' of 2" PE main.	3769	\$ 6,784
615	Continuing Surveillance	192.613 (b)	3/15/2022	3721	054	012625	Main Replacement - 2660 N Pershing, Wichita - Retire 20' of 2" APCS main due to leaking coupling on existing main segment. Install 20' of 2" PE main.	3800	\$ 813
616	Continuing Surveillance	192.613 (b)	4/28/2022	3721	054	012628	CS Main Replacement - 1610 E 2nd, Newton - Retire 145' of 2" RPBS, 135' of 2" RPCS, and 185' of 1.25" CS main due to pipe coating in poor condition and to permanently repair on existing main segment. Install 425' of 2" PE main.	3760	\$ 25,664
617	Continuing Surveillance	192.613 (b)	4/28/2022	3721	054	012628	CS Main Replacement - 1610 E 2nd, Newton - Retire 145' of 2" RPBS, 135' of 2" RPCS, and 185' of 1.25" CS main due to pipe coating in poor condition and to permanently repair on existing main segment. Install 425' of 2" PE main.	3769	\$ 1,956
618	Continuing Surveillance	192.613 (b)	4/28/2022	3721	054	012628	CS Main Replacement - 1610 E 2nd, Newton - Retire 145' of 2" RPBS, 135' of 2" RPCS, and 185' of 1.25" CS main due to pipe coating in poor condition and to permanently repair on existing main segment. Install 425' of 2" PE main.	3800	\$ 4,997
619	Continuing Surveillance	192.613 (b)	5/24/2022	3721	054	012671	Main Replacement - 309 S Elizabeth, Wichita - Retire 25' of 4" APCS main. Install 25' of 4" PE main to permanently repair and replace a tightened Dresser coupling.	3765	\$ 6,606
620	Continuing Surveillance	192.613 (b)	5/24/2022	3721	054	012671	Main Replacement - 309 S Elizabeth, Wichita - Retire 25' of 4" APCS main. Install 25' of 4" PE main to permanently repair and replace a tightened Dresser coupling.	3769	\$ 1,589
621	Continuing Surveillance	192.613 (b)	5/24/2022	3721	054	012671	Main Replacement - 309 S Elizabeth, Wichita - Retire 25' of 4" APCS main. Install 25' of 4" PE main to permanently repair and replace a tightened Dresser coupling.	3800	\$ 6,503
Continuing Surveillance Total									\$ 7,471,219
622	Physical Security	K.S.A. 66-2202	11/30/2021	3557	097	010097	Wichita Fleet Garage Yard Security Lighting - Install (10) light poles and lighting fixtures, provide and connect all electrical wiring and pull camera cables for PSEC. In an effort to reduce/eliminate theft in this yard of fleet related material and equipment we are installing a sufficient amount of lighting that does not currently exist.	3901	\$ 67,716
623	Physical Security	K.S.A. 66-2202	6/29/2022	3557	097	010098	Wichita Fleet Security Upgrade - Install cameras on building and yard. Add loudspeakers. KGS Operations to help bore additional wire run. Other costs-consumables (wire,conduit,J boxes,crimps,screws,cleaners), rentals.	3902	\$ 33,814
624	Physical Security	K.S.A. 66-2202	10/20/2021	3557	094	010428	Topeka Fleet Garage Surveillane Intercom Upgrade - Install new cameras, camera poles, Network Video Recorder, pull new wire for camera locations, and install new intercom and video station for remote verification. Current legacy system is unmanaged, unpatched, and stand alone to this site.	3901	\$ 27,004
625	Physical Security	K.S.A. 66-2202	7/5/2022	3557	094	010453	Hutchinson SC Design and Engineering Services - Install access control, video surveillance, and intrusion detection	3901	\$ 184,183
626	Physical Security	K.S.A. 66-2202	1/26/2022	3557	094	010502	KCK Fencing - Install 750' new fencing and (1) 72"x24', (1)72"x16', and (1) 72"x40' security gates in South lot. Fencing and gates are delapidated and are no longer providing a secure perimeter. Purchase and labor to install security fencing and gates	3901	\$ 49,690
Physical Security Total									\$ 362,407
627	Pipeline System Components	K.S.A. 66-2202	2/28/2022	3671	047	010033	Flow Computer Replacement - Calista Compressor Station - Retire existing antiquated flow computer causing false flow reads and unable to be calibrated. Install new FlowComputer and upgrade controls to current standard equipment.	3680	\$ 14,337
628	Pipeline System Components	K.S.A. 66-2202	4/15/2022	3643	054	010075	DRS Retirement - 4th & Valley, Concordia - Retire leaking DRS 0010 and 1,735' of 2" RPCS main with inadequate test records on downstream piping network. Install 1,743' of 2" PE main	3760	\$ 83,389
629	Pipeline System Components	K.S.A. 66-2202	4/15/2022	3643	054	010075	DRS Retirement - 4th & Valley, Concordia - Retire leaking DRS 0010 and 1,735' of 2" RPCS main with inadequate test records on downstream piping network. Install 1,743' of 2" PE main	3800	\$ 151
630	Pipeline System Components	K.S.A. 66-2202	7/27/2021	3641	056	010088	SCADA Updates - Numerous Sites in Salina - Retire obsolete SCADA equipment for pressure monitoring. Install 10 new SCADA sites.Luke Dobie reached out to engineering on Feb 3rd to get a capital project created and sent through approvals to install pressure monitoring devices at 10 sites around the Salina area. He was able to get a materials list from Toby Ulery, which Adam will use to build the CUE, and which is attached here in Maximo.Beyond the listed parts/labor, an additional 4 hours will be added for 2-man company crew labor per site.	3970	\$ 54,336
631	Pipeline System Components	K.S.A. 66-2202	4/19/2022	3685	043	010127	Upgrade antiquated mechanical SOR pressure switches with electric United Electronics switches. These switches serve as MAOP protection on the KGS Transmission system. Upgrading will ensure increased safety of the system. The new switches will be installed in 9 locations across the system: NGPL, Greensburg CTM, Pratt Compressor, Calista MCMC, Calista Mainline, SSC-Alden, IACX, Hutch Mainline, and Galva Mainline.	3970	\$ 16,858

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632	Pipeline System Components	K.S.A. 66-2202	3/30/2022	3685	043	010129	Mercury at Corrector Replacement -5 sites across the Transmission System - Honeywell is discontinuing support and selling of mercury at correctors, making them obsolete. To ensure continue support, 5 mercury correctors will be replaced with Mercury EC350 correctors.	3690	\$ 25,596
633	Pipeline System Components	K.S.A. 66-2202	4/19/2022	3685	043	010132	Replace obsolete Macksville-Belpre odorizer (O1111) at NNG Interconnect. the existing odrizer for Belpre and Macksville is an obsolete bypass odorizer that requires an orifice plate change during the year. Due to obsolescence of the odorizer there is uncertainty of the amount of odorization being put into the pipeline. This odorizer will be replaced with a new liquid injection odorizer to conform to 2021 odorizer injection methods and to allow for more accurate measurement and injection rates.	3690	\$ 74,065
634	Pipeline System Components	K.S.A. 66-2202	12/20/2021	3635	053	010134	Pressure Chart Replacement & SCADA Installation - Great Bend Service Area - Retire 7 analog pressure charts due to obsolescence. Install 7 new SCADA points to allow for remote monitoring. \KGS continues it efforts to replace analog pressure charts with SCADA so that pressures can be tracked and monitored remotely. This will allow operations to catch and respond to problems faster, allowing for more reliable and safer service to our customers.	3970	\$ 32,530
635	Pipeline System Components	K.S.A. 66-2202	2/28/2022	3612	043	010145	TBS Replacement - S Buckeye Ave & 2100 Ave, Abilene - Retire existing TBS with outdated materials and relocate new TBS to a safer location with easier accessibility providing a quicker emergency response from KGS. Install 2-inch Micro Motion ELITE Coriolis Flow and Density Meter, two 2-inch Large Port Mooney Flowgrid Regulators, one 2-inch Sensus 461-57S Regulator, one 1-inch Fisher 289H Relief valve and necessary materials to complete new TBS	3662	\$ 95,875
636	Pipeline System Components	K.S.A. 66-2202	2/28/2022	3612	043	010145	TBS Replacement - S Buckeye Ave & 2100 Ave, Abilene - Retire existing TBS with outdated materials and relocate new TBS to a safer location with easier accessibility providing a quicker emergency response from KGS. Install 2-inch Micro Motion ELITE Coriolis Flow and Density Meter, two 2-inch Large Port Mooney Flowgrid Regulators, one 2-inch Sensus 461-57S Regulator, one 1-inch Fisher 289H Relief valve and necessary materials to complete new TBS	3690	\$ 298,998
637	Pipeline System Components	K.S.A. 66-2202	11/30/2021	3741	053	010149	Obsolete Valve Replacement - 500 N Plum, Wellington - Retire existing inlet steel 4" DRS plug valve that is broken and inoperable. Install new 4" steel ball valve.	3780	\$ 2,642
638	Pipeline System Components	K.S.A. 66-2202	2/28/2022	3685	044	010151	TBS Replacement - E Wheeler & N Harrison, Belpre - Retire antiquated TBS with obsolete materials. Install new TBS withtwo 2-inch fisher 627m regulators, one 1-inch fisher289h relief valve, one 2-inch ultrasonic meter and necessary materials tocomplete new TBS.	3670	\$ 14,491
639	Pipeline System Components	K.S.A. 66-2202	2/28/2022	3685	044	010151	TBS Replacement - E Wheeler & N Harrison, Belpre - Retire antiquated TBS with obsolete materials. Install new TBS withtwo 2-inch fisher 627m regulators, one 1-inch fisher289h relief valve, one 2-inch ultrasonic meter and necessary materials tocomplete new TBS.	3690	\$ 148,615
640	Pipeline System Components	K.S.A. 66-2202	11/30/2021	3685	044	010152	Replace Valve #1 at the Gorham TBS T0036. The stem on Plug Valve #1 at the Gorham TBS T0036 is broken. The valve will be replaced with an ANSI 150 ball valve.	3690	\$ 2,541
641	Pipeline System Components	K.S.A. 66-2202	4/13/2022	3685	044	010155	Replace Valve 4 at the Medicine Lodge TBS T0073. Valve 4 failed to seal properly during a recent inspection. Replacing this valve will allow the southernmost regulator run to be isolated for regulator inspections and maintenance.	3690	\$ 10,887
642	Pipeline System Components	K.S.A. 66-2202	4/13/2022	3685	044	010157	Remove Gate Setting G50864-12. The block valve 4190 on Setting 0864-12 is inoperable along with this setting being redundant having block valves at MP 9.9 and at MP 20. This work will involve the stopple and bypass of P0864 for the removal of setting 0864-12 and pipe replacement of approximately 65-feet. A 200ft 4" bypass through 2" TOR fittings will provide adequate flow and pressure drop in peak flow conditions.	3670	\$ 105,255
643	Pipeline System Components	K.S.A. 66-2202	3/30/2022	3741	053	010159	KGS will replace the odorizer that odorizes Southern Star's line that supplies KGS's town of Wellington, KS. Southern Star will replace the piping but at the expense of KGS. Existing odorizer is obsolete and requires replacement.	3790	\$ 18,116
644	Pipeline System Components	K.S.A. 66-2202	3/30/2022	3741	053	010159	KGS will replace the odorizer that odorizes Southern Star's line that supplies KGS's town of Wellington, KS. Southern Star will replace the piping but at the expense of KGS. Existing odorizer is obsolete and requires replacement.	3970	\$ 83,068
645	Pipeline System Components	K.S.A. 66-2202	8/16/2021	3612	043	010161	Full Capacity Relief Valve Replacements - Hanover, Linn, Scandia, & Concordia #2 TBS - Retire full relief valves at the aforementioned TBS locations due to a recent MAOP system update indicating insufficient relief capabilities. The installation of the new full capacity reliefs will cover the wide-open capacities of the regulators. Retire three 2" Fisher 1805-P relief valves. Install three 3" Mooney Flowgrid 16 & one 1" Fisher 289H relief valves.	3690	\$ 26,423
646	Pipeline System Components	K.S.A. 66-2202	3/21/2022	3612	043	010165	Obsolete Valve Replacement - This Job order will replace the obsolete valve at Sunny Slope TBS (T0153) located in Saline County, Kansas. The Sunny Slope TBS (t0153) is in a Class 1 location, the 2-inch plug valve (5020) at this location was discovered by a technician to be not operational. This work order will allow for the obsolete plug valve to be replaced with a similar valve.	3690	\$ 37,118
647	Pipeline System Components	K.S.A. 66-2202	11/30/2021	3741	053	010166	The outlet riser valve of DRS 2833-0034 located at W 16th St. and N Poplar St. has a broken stem and is inoperable. The setting does not have a remote inlet or remote outlet valve. This work order will replace this valve by installing a 2" Shortstop downstream of the outlet riser valve, plugging off the main at this shortstop, and closing the inlet riser valve.	3780	\$ 2,677
648	Pipeline System Components	K.S.A. 66-2202	3/21/2022	3612	043	010167	Obsolete Valve Replacement - This Job order will replace the obsolete valve at Fort Riley #1 TBS (W0201) located in Geary County, Kansas. The Fort Riley TBS (W0201) is in a Class 3 location, the 4-inch plug valve (5020) at this location was discovered by a technician to not be operational. This work order will allow for the obsolete plug valve to be replaced with a similar valve.	3670	\$ 3,278
649	Pipeline System Components	K.S.A. 66-2202	3/30/2022	3612	043	010168	Mercury at Corrector Replacement -5 sites across the Transmission System - Honeywell is discontinuing support and selling of mercury at correctors, making them obsolete. To ensure continue support, 5 mercury correctors will be replaced with Mercury EC350 correctors.	3690	\$ 28,524
650	Pipeline System Components	K.S.A. 66-2202	5/18/2022	3911	054	010173	DRS Replacement - 12th & Osage, Augusta - Retire existing threaded DRS setting, 2" operator and monitor regulator and 2" relief valve. Install new 2" Fisher 133L operator regulator, 2" Fisher 133L monitor regulator and 1" Fisher 289L relief valve. Work being performed due to grade 2 leak below station and multiple thread leaks on setting.	3760	\$ 714
651	Pipeline System Components	K.S.A. 66-2202	5/18/2022	3911	054	010173	DRS Replacement - 12th & Osage, Augusta - Retire existing threaded DRS setting, 2" operator and monitor regulator and 2" relief valve. Install new 2" Fisher 133L operator regulator, 2" Fisher 133L monitor regulator and 1" Fisher 289L relief valve. Work being performed due to grade 2 leak below station and multiple thread leaks on setting.	3765	\$ 52,218

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652	Pipeline System Components	K.S.A. 66-2202	5/18/2022	3911	054	010173	DRS Replacement - 12th & Osage, Augusta - Retire existing threaded DRS setting, 2" operator and monitor regulator and 2" relief valve. Install new 2" Fisher 133L operator regulator, 2" Fisher 133L monitor regulator and 1" Fisher 289L relief valve. Work being performed due to grade 2 leak below station and multiple thread leaks on setting.	3780	\$ 76,427
653	Pipeline System Components	K.S.A. 66-2202	5/11/2022	3612	043	010174	Obsolete Moisture Analyzer Replacement - To install an AMI 4010 Barracuda Moisture analyzer a the Spivey MCMC Interconnect (A1044) at the Calista Compressor Station. The existing moisture analyzer has failed beyond repair and repair costs would not be cost effective.	3690	\$ 35,971
654	Pipeline System Components	K.S.A. 66-2202	4/13/2022	3685	046	010214	Remove support piers and install pipe supports across transmission system; removing the sections or concrete piers and frp shield that surround the pipe, to allow for the inspection of the above ground pipeline for corrosion, and eliminating water and moisture collection points on the pipeline that could lead to corrosion. Construction cut sections of concrete piers to accept the installation of Tulsa pipe supports that will allow for pipe inspections. Core holes into piers for anchor bolts to install new pipe clamps. removing current hold down straps and frp shield that have dis-bonded. A total of 11 piers on 5 pipelines will be modified, Construction locations: D2002-ss-145 (2 piers), D2002-ss-171 (2 piers), D0946-ss-24 (1 pier), D1604-ss-24 (1 pier), D2000-ss-24 (1 pier).	3670	\$ 83,464
655	Pipeline System Components	K.S.A. 66-2202	1/26/2022	3685	046	010216	Regulator Replacement - Carey Salt Trans Distribution, Hutchinson - Retire existing 2" Sensus monitor regulator due to improper lock up below set point and manufacture inconsistencies regarding differential pressure. Install 2" Mooney Floxmax HP FM-18.	3690	\$ 25,627
656	Pipeline System Components	K.S.A. 66-2202	6/13/2022	3761	053	010221	Rectifier Replacement - 9th St & Park Avenue, Baxter Springs - Retire existing rectifier due to inadequate output issues to support cathodic protection on main segments. Install new ASAI 40-40 ABCPRZ rectifier.	3765	\$ 6,526
657	Pipeline System Components	K.S.A. 66-2202	10/26/2021	3635	054	010221	Above-ground Hairpin Replacement - 200 S Champlin, McPherson - Retire a leaking 2" above-ground hairpin and steel valve. Install 10' of 2" CS main and 2" steel valve. To permanently fix the leak need to do a main replacement to remove the hairpin and install a below ground valve in its place. LK2021-10006261	3765	\$ 3,934
658	Pipeline System Components	K.S.A. 66-2202	12/20/2021	3761	053	010223	Monitor Regulator Replacement - 1405 Main St Ln, Pittsburg - Retire existing obsolete 3" monitor regulator causing reduced outlet pressures during cold weather. Install a new 4" 441-57S regulator. Rebuild DRS 2509-0909 at 1405 Main St Ln in Pittsburg KS. The TBS developed reduced outlet pressures during the cold weather experienced in Feb 2021 mainly due to low inlet pressures from Southern Star.	3780	\$ 11,977
659	Pipeline System Components	K.S.A. 66-2202	5/3/2022	3541	053	010355	Retire 20' 16in RPCS, 20' 2in APCS. Install 10' 16in CS, 10' 12in CS, 12in gate valve setting, 2in valve bridle, 10' 2in CS for staion piping, 70' 4in CS for station piping. SE 21st and Croco Rd south and east of I-470, Topeka KS. This project is part of the 2020 OGS safety plan to install emergency isolation valves on high pressure distribution mains. This emergency isolation valve is located on the southeast side of the I-470/Kansas Turnpike and Croco Rd interchange. This 16in main feeds 145 psig gas from the Southern Star Central Gas Pipeline's Williams TBS located 2.5 miles east to district regulator stations feeding central Topeka.	3765	\$ 331,037
660	Pipeline System Components	K.S.A. 66-2202	4/19/2022	3541	053	010356	Retire EQ 441-S 1-1/2" - 3" Std regulator, 10-feet of 4-inch CS, 35-feet of 4-inch PE and 20-feet of 6-inch PE main. Hunttoon and Fairlawn, Topeka, KS. Install new DRS and 25-feet of 4-inch CS, 30-feet of 6-inch CS, 10-feet of 4-inch PE and 50-feet of 6-inch PE main. Work is being done to replace the vault regulator station and is a liability and needs to be replaced to an above ground location.	3760	\$ 5,230
661	Pipeline System Components	K.S.A. 66-2202	4/19/2022	3541	053	010356	Retire EQ 441-S 1-1/2" - 3" Std regulator, 10-feet of 4-inch CS, 35-feet of 4-inch PE and 20-feet of 6-inch PE main. Hunttoon and Fairlawn, Topeka, KS. Install new DRS and 25-feet of 4-inch CS, 30-feet of 6-inch CS, 10-feet of 4-inch PE and 50-feet of 6-inch PE main. Work is being done to replace the vault regulator station and is a liability and needs to be replaced to an above ground location.	3765	\$ 68,928
662	Pipeline System Components	K.S.A. 66-2202	4/19/2022	3541	053	010356	Retire EQ 441-S 1-1/2" - 3" Std regulator, 10-feet of 4-inch CS, 35-feet of 4-inch PE and 20-feet of 6-inch PE main. Hunttoon and Fairlawn, Topeka, KS. Install new DRS and 25-feet of 4-inch CS, 30-feet of 6-inch CS, 10-feet of 4-inch PE and 50-feet of 6-inch PE main. Work is being done to replace the vault regulator station and is a liability and needs to be replaced to an above ground location.	3780	\$ 56,117
663	Pipeline System Components	K.S.A. 66-2202	1/26/2022	3541	053	010376	SE 6th and Norwood, Topeka, KS. TO INSTALL: Operator/Monitor regulators in DRS 3101-MR-0189-FR. TO RETIRE: 6" Fisher Vee-Ball Control Valve and Wizard Controller, 5-foot 6-inch Station Piping. This project is necessary to remove obsolete equipment and meet over-pressure requirements in the District Regulator Station at SE 6th and Norwood.	3780	\$ 41,239
664	Pipeline System Components	K.S.A. 66-2202	4/19/2022	3541	053	010377	Retire pit district regualtor station DRS 3101-0067. Burlingame & Clontarf, Topeka, KS. Install new DRS. Work is being done to replace the pit regulator station at Burlingame and Clontarf. The setting is currently in a vault and is a liability and needs to be replaced.	3765	\$ 11,153
665	Pipeline System Components	K.S.A. 66-2202	4/19/2022	3541	053	010377	Retire pit district regualtor station DRS 3101-0067. Burlingame & Clontarf, Topeka, KS. Install new DRS. Work is being done to replace the pit regulator station at Burlingame and Clontarf. The setting is currently in a vault and is a liability and needs to be replaced.	3780	\$ 108,715
666	Pipeline System Components	K.S.A. 66-2202	8/25/2021	3642	054	010388	DRS Retirement - 7th & North, Lincoln - Retire DRS and station piping due to numerous leaks on station. Install and connect to existing main with 450' of 2" PE main in close proximity to downstream DRS piping. Numerous leaks were discovered on the DRS station piping, and a grade 3 leak was created.	3760	\$ 7,026
667	Pipeline System Components	K.S.A. 66-2202	8/31/2021	3642	054	010389	DRS By-pass Valve Replacement - 3rd & Hersey, Beloit - Retire existing 2" steel by-pass valve due to leak and existing control line in conflict with new installation. Install new 2" steel by-pass valve and control line.	3765	\$ 4,411
668	Pipeline System Components	K.S.A. 66-2202	1/26/2022	3541	053	010397	Stull Farm Taps- Install 12 Pot Odorizers for Farm TapsTo install: 12 Odorant PotsThis work is being done to install 12 odorant pots on 12 farm taps. The odorizer south of Lawrence that odorizes Topeka is being removed and three new odorizer locations will be installed on other work orders. These 12 locations are upstream of the new odorizers and will need to have odorant pots installed to odorize the gas. The 12 locations that the odorant pots will be installed at are as follows. 1121 W 27th St, SL # 1068249 727 N 1500 Rd, SL # 1067508 1471 E 700 RD, SL # 1067507 1536 E 550 RD, SL #1067506 493 N 1581 RD, SL # 1067505 447 N 1600 RD, SL # 1067504 423 N 1600 RD, SL # 9000673564 413 N 1600 RD, SL # 1067502 436 N 1600 RD, SL #1067501 1602 E 400 RD, SL # 1067500 366 N 1600 RD, SL # 1067499 244 N 1600 RD, SL # 1067489	3800	\$ 18,188
669	Pipeline System Components	K.S.A. 66-2202	6/13/2022	3641	054	010407	Regulator Replacement - Osage & Arapahoe, Salina - Retire existing 2" Fisher 630 DRS regulator failing to lock up. Install 2" Itron CL34-M2.	3780	\$ 1,916
670	Pipeline System Components	K.S.A. 66-2202	6/16/2022	3631	054	010423	DRS Replacement - Broadway & Park, Stafford - Retire existing single hump DRS due to leak and station contained several homemade fittings. Install new singe hump DRS.	3765	\$ 46,059
671	Pipeline System Components	K.S.A. 66-2202	6/16/2022	3631	054	010423	DRS Replacement - Broadway & Park, Stafford - Retire existing single hump DRS due to leak and station contained several homemade fittings. Install new singe hump DRS.	3780	\$ 52,341





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691	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/25/2022	3531	053	010068	Retire existing meter set. 3500 S 4TH ST, LEAVENWORTH, KS. Install 7M meter set and regulator. The meter set is being rebuilt to remove a leaking vintage meter set and install a new rotary meter and meter set.	3820	\$ 8,105
692	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/28/2022	3653	053	010074	Blue Rapids, KS - This work order is to replace paper pressure charts and install a new SCADA pressure recording device at the following locations using company labor; 1. 2nd B/T Chestnut and East 2. 10th B/T Main and Lincoln points.	3970	\$ 8,846
693	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/28/2022	3653	053	010075	Waterville, KS - This work order is to replace paper pressure charts and install a new SCADA pressure recording device at the following locations using company labor;1. Alaskaand Walnut 2. Colorado between Front and Commercial	3970	\$ 8,127
694	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/30/2022	3653	053	010077	Seneca, KS - This work order is to replace paper pressure charts and install a new SCADA pressure recording device at the following locations using company labor; 1.Warehouse 2. 4th between Main and Baltimore	3970	\$ 8,173
695	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/21/2022	3653	053	010078	Marysville, KS - This work order is to replace paper pressure charts and install a new SCADA pressure recording device at the following locations using company labor; 1. 5th and North 2. Northand 18th 3. Marysville TBS	3970	\$ 11,905
696	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/21/2022	3653	053	010079	Washington, KS - This work order is to replace paper pressure charts and install a new SCADA pressure recording device at the following locations using company labor; 1. B St. between 3rd and 4th 2. 3rd and B	3970	\$ 8,506
697	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3653	053	010080	Hanover, KS - This work order is to replace paper pressure charts and install a new SCADA pressure recording device at the following locations using company labor; 1. NorthB/T Railroad & Hollenberg	3780	\$ 3,161
698	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3653	053	010080	Hanover, KS - This work order is to replace paper pressure charts and install a new SCADA pressure recording device at the following locations using company labor; 1. NorthB/T Railroad & Hollenberg	3970	\$ 1,626
699	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/28/2022	3653	053	010081	Frankfort, KS - This work order is to replace paper pressure charts and install a new SCADA pressure recording device at the following locations using company labor; 2nd between Locust and Kansas	3970	\$ 4,060
700	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/21/2022	3531	053	010092	1901 S 2nd St, Leavenworth, KS Install: 6" FLOSIC 500. Reconfigure meter set run. Retire: Dattus 56M Meter & Corrector The existing meter for the asphalt plant is obsolete and needs replaced.	3810	\$ 24,189
701	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/21/2022	3531	053	010092	1901 S 2nd St, Leavenworth, KS Install: 6" FLOSIC 500. Reconfigure meter set run. Retire: Dattus 56M Meter & Corrector The existing meter for the asphalt plant is obsolete and needs replaced.	3820	\$ 857
702	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	6/1/2022	3685	043	010123	Obsolete Meter Replacement - Atmos-Lamar A1029 Interconnect - Retire existing Equimeter Mark II T-27 turbine meter found not functioning properly during a routine inspection. Install a Coriolis CMF300M mass flow meter.	3970	\$ 102,199
703	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/30/2022	3642	053	010129	Obsolete Regulator Replacement - 100 N Hayes, Glasco - Retire vintage Itron CL34-1 regulator after failure at Glasco High School. Install new 1.25" American 3000 regulator.	3820	\$ 552
704	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/30/2022	3642	053	010129	Obsolete Regulator Replacement - 100 N Hayes, Glasco - Retire vintage Itron CL34-1 regulator after failure at Glasco High School. Install new 1.25" American 3000 regulator.	3830	\$ 988
705	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/13/2022	3685	043	010137	Replace the obsolete diaphragm meters across the transmission system at multiple TBS's. The TBS locations listed below have diaphragm meters that have been identified as part of the meter change-out program. These meters will be replaced, the meters will ensure continuous operating condition that meet current company construction standards for TBS's. The following locations will be impacted by this construction: Loretta TBS T0064, Pfeifer TBS T0084, Walker TBS T0102.	3690	\$ 8,483
706	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/13/2022	3685	043	010137	Replace the obsolete diaphragm meters across the transmission system at multiple TBS's. The TBS locations listed below have diaphragm meters that have been identified as part of the meter change-out program. These meters will be replaced, the meters will ensure continuous operating condition that meet current company construction standards for TBS's. The following locations will be impacted by this construction: Loretta TBS T0064, Pfeifer TBS T0084, Walker TBS T0102.	3820	\$ 1,483
707	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/28/2021	3635	053	010140	Obsolete Meter Replacement - 1411 S HWY 81 Bypass, McPherson - Retire obsolete 2" Rockwell regulator and vintage AL-800 meter. Work being performed in conjunction with the BS service line renewal at the same address. Install Sonix 880 meter, 1.25" Itron CL31_N regulator, and 1" 289H Relief.	3820	\$ 1,161
708	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/28/2021	3635	053	010140	Obsolete Meter Replacement - 1411 S HWY 81 Bypass, McPherson - Retire obsolete 2" Rockwell regulator and vintage AL-800 meter. Work being performed in conjunction with the BS service line renewal at the same address. Install Sonix 880 meter, 1.25" Itron CL31_N regulator, and 1" 289H Relief.	3830	\$ 1,158
709	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	7/27/2021	3621	053	010153	Obsolete Meter Replacement - 3212 10th, Great Bend - Retire obsolete 3.0 M LMMA rotary meter due to obsolescence. Install Sonix 880 meter and 1.25" 1813-HC regulator. Work being performed in conjunction the BS service line renewal at the same address.	3820	\$ 862
710	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	7/27/2021	3621	053	010153	Obsolete Meter Replacement - 3212 10th, Great Bend - Retire obsolete 3.0 M LMMA rotary meter due to obsolescence. Install Sonix 880 meter and 1.25" 1813-HC regulator. Work being performed in conjunction the BS service line renewal at the same address.	3830	\$ 91

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
711	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/26/2021	3621	053	010155	Obsolete Meter Replacement - 1438 24th St, Great Bend - Retire Rockwell 750 meter due to obsolescence. Work being performed with the BS service line renewal at the same address. Install new Roots 2M meter and 1.25" 1813_HC regulator.	3820	\$ 1,856
712	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/26/2021	3621	053	010155	Obsolete Meter Replacement - 1438 24th St, Great Bend - Retire Rockwell 750 meter due to obsolescence. Work being performed with the BS service line renewal at the same address. Install new Roots 2M meter and 1.25" 1813_HC regulator.	3830	\$ 116
713	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3621	053	010156	Meter & Regulator Replacement - 3806 Broadway Ave, Great Bend - Retire antiquated Rockwell 5000 diaphragm property line meter setting. Install new Roots 3M meter and 2" 1813B regulator. Worked in conjunction with the BS SL renewal at the same address.	3820	\$ 1,427
714	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3621	053	010156	Meter & Regulator Replacement - 3806 Broadway Ave, Great Bend - Retire antiquated Rockwell 5000 diaphragm property line meter setting. Install new Roots 3M meter and 2" 1813B regulator. Worked in conjunction with the BS SL renewal at the same address.	3830	\$ 1,042
715	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/15/2021	3641	053	010157	Obsolete Meter & Regulator Replacement - 158 S Santa Fe, Salina - Retire obsolete 2" American 1813_B regulator and vintage 3" flanged Rotary meter. Meter and above ground piping is located in basement and needs relocated to a safer location. Install 1.25" American 1813_HC regulator and Sonix 880 meter.	3820	\$ 1,123
716	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/15/2021	3641	053	010157	Obsolete Meter & Regulator Replacement - 158 S Santa Fe, Salina - Retire obsolete 2" American 1813_B regulator and vintage 3" flanged Rotary meter. Meter and above ground piping is located in basement and needs relocated to a safer location. Install 1.25" American 1813_HC regulator and Sonix 880 meter.	3830	\$ 75
717	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/28/2022	3651	053	010160	121 S 4TH ST Suite 110, Manhattan, KS - To Install: 3M Meter To Retire: Sonix2000 Meter Replacement project: This project is a meter replacement project due to a failure with the meter requiring KGS to replace the Sonix 2000 meter at Wine and Dive. Only the meter will be changed, some fabrication ofthe setting may be required.There are no active or repaired leaks on the main.	3820	\$ 1,204
718	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/25/2022	3651	053	010161	312 Poyntz Ave Suite B, Manhattan, KS - To Install: 3M Meter To Retire: Sonix2000 Meter Replacement project: This project is a meter replacement project due to a failure with the meter requiring KGS to replace the Sonix 2000 meter at Bourbon and Baker. Only the meter will be changed, some fabrication ofthe setting may be required.There are no active or repaired leaks on the main.	3820	\$ 1,064
719	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/30/2022	3911	054	010164	Obsolete Meter & Regulator Replacement - 1737 SE Highway 54, El Dorado - Retire obsolete 2" Fisher 399 regulator, 2" Sensus 441-57S regulator, and Roots 16M meter due to multiple leaks on the pipe wall and welds of the existing setting. Install 2" Itron CL34-2 regulator, Roots 7M meter, and a 2" Fisher 289H relief.	3805	\$ 7,448
720	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/30/2022	3911	054	010164	Obsolete Meter & Regulator Replacement - 1737 SE Highway 54, El Dorado - Retire obsolete 2" Fisher 399 regulator, 2" Sensus 441-57S regulator, and Roots 16M meter due to multiple leaks on the pipe wall and welds of the existing setting. Install 2" Itron CL34-2 regulator, Roots 7M meter, and a 2" Fisher 289H relief.	3820	\$ 14,743
721	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/30/2022	3911	054	010164	Obsolete Meter & Regulator Replacement - 1737 SE Highway 54, El Dorado - Retire obsolete 2" Fisher 399 regulator, 2" Sensus 441-57S regulator, and Roots 16M meter due to multiple leaks on the pipe wall and welds of the existing setting. Install 2" Itron CL34-2 regulator, Roots 7M meter, and a 2" Fisher 289H relief.	3830	\$ 13,957
722	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	6/16/2022	3612	043	010170	Replace antiquated GN868 Instrument ultrasonic meter and electronic controllers at the Salina TBS #2 (T1070). The current ultrasonic meter installed at the Salina TBS #2 is antiquated and parts are no longer readily available.	3690	\$ 34,916
723	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	11/30/2021	3641	053	010173	Miller Pipeline will be replacing a BS service line to 101 N Santa Fe. This address currently has a 3M meter (1209921205) with a 510 CFH load. Work order is for the retirement of the 3M meter and down sizing to AL425 meter with 1-1/4" 1813c-hc reg set.	3820	\$ 154
724	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	11/30/2021	3641	053	010173	Miller Pipeline will be replacing a BS service line to 101 N Santa Fe. This address currently has a 3M meter (1209921205) with a 510 CFH load. Work order is for the retirement of the 3M meter and down sizing to AL425 meter with 1-1/4" 1813c-hc reg set.	3830	\$ 15
725	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/15/2021	3641	053	010174	Obsolete Regulator Replacement - 119 W Iron Ave, Salina - Retire existing meter setting piping and obsolete regulator. Work being performed in conjunction with the BS service line renewal at the same address. Install 2" American 1813B regulator.	3820	\$ 4,466
726	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/15/2021	3641	053	010174	Obsolete Regulator Replacement - 119 W Iron Ave, Salina - Retire existing meter setting piping and obsolete regulator. Work being performed in conjunction with the BS service line renewal at the same address. Install 2" American 1813B regulator.	3830	\$ 1,498
727	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/1/2021	3641	053	010175	Obsolete Meter Replacement - 138 S 8th, Salina - Retire obsolete 1.5M Rotary meter & existing regulator. Work being performed in conjunction with the BS service line renewal at the same address. Install Sonix 880 meter and 1.25" American 1813_HC regulator. Miller Pipeline will be replacing a BS service line to 138 S 8TH ST, SALINA.	3820	\$ 358
728	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/1/2021	3641	053	010175	Obsolete Meter Replacement - 138 S 8th, Salina - Retire obsolete 1.5M Rotary meter & existing regulator. Work being performed in conjunction with the BS service line renewal at the same address. Install Sonix 880 meter and 1.25" American 1813_HC regulator. Miller Pipeline will be replacing a BS service line to 138 S 8TH ST, SALINA.	3830	\$ 33
729	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/19/2022	3641	053	010181	Obsolete Regulator Replacement - Front & Crawford, Salina - Retire 2" Fisher 630 regulator cracked and needing replaced. Install 2" Itron CL34-2 regulator.	3780	\$ 2,327
730	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/30/2022	3641	053	010185	Obsolete Meter & Regulator Replacement - 122 N 8th, Salina - Retire existing obsolete 2" 7308H regulator and Roots 3M meter located in a church basement. Install a new Roots 3M meter & a 2" 1813B regulator.	3805	\$ 2,818

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
731	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/30/2022	3641	053	010185	Obsolete Meter & Regulator Replacement - 122 N 8th, Salina - Retire existing obsolete 2" 7308H regulator and Roots 3M meter located in a church basement. Install a new Roots 3M meter & a 2" 1813B regulator.	3820	\$ 3,166
732	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/30/2022	3641	053	010185	Obsolete Meter & Regulator Replacement - 122 N 8th, Salina - Retire existing obsolete 2" 7308H regulator and Roots 3M meter located in a church basement. Install a new Roots 3M meter & a 2" 1813B regulator.	3830	\$ 3,231
733	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	11/30/2021	3641	053	010187	Miller Pipeline will be replacing a BS service line to 801 E CRAWFORD, SALINA. This address currently has a ROMET 3000 meter (9000114183) with a 900 CFH load (DIVERSIFIED DOWN TO 720 CFH) . Work order is for the retirement of theROMET 3000meter and down sizing to AC-630 meter with 1-1/4" 1813-hc reg set.	3820	\$ 274
734	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	11/30/2021	3641	053	010187	Miller Pipeline will be replacing a BS service line to 801 E CRAWFORD, SALINA. This address currently has a ROMET 3000 meter (9000114183) with a 900 CFH load (DIVERSIFIED DOWN TO 720 CFH) . Work order is for the retirement of theROMET 3000meter and down sizing to AC-630 meter with 1-1/4" 1813-hc reg set.	3830	\$ 25
735	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/21/2022	3641	053	010195	Obsolete Meter & Regulator Replacement - 606 N Front, Salina - Retire existing obsolete 2" Fisher S203 regulator and Roots 5M meter with vintage components causing delivery pressure issues. Install new 2" American B34IMRV regulator and Roots 5M meter.	3820	\$ 389
736	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/21/2022	3641	053	010195	Obsolete Meter & Regulator Replacement - 606 N Front, Salina - Retire existing obsolete 2" Fisher S203 regulator and Roots 5M meter with vintage components causing delivery pressure issues. Install new 2" American B34IMRV regulator and Roots 5M meter.	3830	\$ 341
737	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/30/2022	3642	054	010391	Obsolete Meter & Replacement - 811 N 1st, Osborne - Retire existing Roots 3M meter and regulator due to leak. Install new Roots 3M meter and 2" American 1813B regulator.	3820	\$ 659
738	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/30/2022	3642	054	010391	Obsolete Meter & Replacement - 811 N 1st, Osborne - Retire existing Roots 3M meter and regulator due to leak. Install new Roots 3M meter and 2" American 1813B regulator.	3830	\$ 706
739	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	11/30/2021	3641	054	010399	Obsolete Meter Replacement - 1300 N Cedar, Abilene - Retie vintage Romet 7000 meter and obsolete regulator. Install 2" American 1813_B regulator and new Roots 2M meter.	3820	\$ 2,389
740	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	11/30/2021	3641	054	010399	Obsolete Meter Replacement - 1300 N Cedar, Abilene - Retie vintage Romet 7000 meter and obsolete regulator. Install 2" American 1813_B regulator and new Roots 2M meter.	3830	\$ 1,250
741	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3641	054	010401	Double Cut Meter Setting Replacement - 401 S 4th, Salina - Retire 1" Fisher 627 regulator, 2" reg, 1" relief & 1.5" Roots threaded rotary meter due to leak on meter setting. Install 1" Fisher 627R regulator, 2x1" Fisher 289 Releif, 2" Itron CL-34-2 regualtor and Roots 2M meter. Operations classified a grade 3 leak back at the end of 2020 on the double cut meter set to 401 S. 5th (meter set off of 4th St.) @ the water treatment plant. LK2020-10272460	3805	\$ 678
742	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3641	054	010401	Double Cut Meter Setting Replacement - 401 S 4th, Salina - Retire 1" Fisher 627 regulator, 2" reg, 1" relief & 1.5" Roots threaded rotary meter due to leak on meter setting. Install 1" Fisher 627R regulator, 2x1" Fisher 289 Releif, 2" Itron CL-34-2 regualtor and Roots 2M meter. Operations classified a grade 3 leak back at the end of 2020 on the double cut meter set to 401 S. 5th (meter set off of 4th St.) @ the water treatment plant. LK2020-10272460	3820	\$ 1,387
743	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3641	054	010401	Double Cut Meter Setting Replacement - 401 S 4th, Salina - Retire 1" Fisher 627 regulator, 2" reg, 1" relief & 1.5" Roots threaded rotary meter due to leak on meter setting. Install 1" Fisher 627R regulator, 2x1" Fisher 289 Releif, 2" Itron CL-34-2 regualtor and Roots 2M meter. Operations classified a grade 3 leak back at the end of 2020 on the double cut meter set to 401 S. 5th (meter set off of 4th St.) @ the water treatment plant. LK2020-10272460	3830	\$ 2,567
744	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/20/2021	3721	053	010887	Obsolete Meter Replacement - 1400 W Terradyne, Wichita - Retire obsolete Romet 5000 meter and 2" Fisher 203 regulator due to obsolescence. Install new Roots 3M meter and 2"American 1813_B regulator.	3820	\$ 613
745	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/20/2021	3721	053	010887	Obsolete Meter Replacement - 1400 W Terradyne, Wichita - Retire obsolete Romet 5000 meter and 2" Fisher 203 regulator due to obsolescence. Install new Roots 3M meter and 2"American 1813_B regulator.	3830	\$ 498
746	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	6/20/2022	3721	053	011226	Rotary Meter Replacement - 900 Crestway, Derby - Retire Roots 3M and 2" Fisher Regulator. Install Roots 3M and 2" American 1813_B regulator being done in conjunction with the 2" bare steel service line as part of the bare steel replacement program.	3820	\$ 713
747	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	6/20/2022	3721	053	011226	Rotary Meter Replacement - 900 Crestway, Derby - Retire Roots 3M and 2" Fisher Regulator. Install Roots 3M and 2" American 1813_B regulator being done in conjunction with the 2" bare steel service line as part of the bare steel replacement program.	3830	\$ 543
748	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	7/29/2021	3721	053	011468	Obsolete Meter & Regulator Replacement - 1800 W 1st, Newton - Retire vintage 80's model meter & obsolete regulator due to low pressure issues. Install 2" Roots 3M meter & 2" 1813_B regulator.	3820	\$ 606
749	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	7/29/2021	3721	053	011468	Obsolete Meter & Regulator Replacement - 1800 W 1st, Newton - Retire vintage 80's model meter & obsolete regulator due to low pressure issues. Install 2" Roots 3M meter & 2" 1813_B regulator.	3830	\$ 473
750	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	11/1/2021	3721	053	011472	Obsolete Meter Replacement - 1659 S Sabin, Wichita - Retire obsolete Romet 3000 meter & regulator. Work being performed in conjunction with the PE service line replacement due to leak at the same address. Install D1000 meter and 2" American 1813_HC regulator. There was a Grade 2 leak on the service line at the service location1659 S. Sabin which prompted crews to also investigate an obsolete meter setting containing an obsolete regulator and Romet 3000 meter that hasbeen in-service for 30 years. There was a load check performed at thislocation and it shows that we will be able to downsize the meter set to a D1000 meter due to the decreased load at the building.	3820	\$ 516



Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
751	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	11/1/2021	3721	053	011472	Obsolete Meter Replacement - 1659 S Sabin, Wichita - Retire obsolete Romet 3000 meter & regulator. Work being performed in conjunction with the PE service line replacement due to leak at the same address. Install D1000 meter and 2" American 1813_HC regulator. There was a Grade 2 leak on the service line at the service location 1659 S. Sabin which prompted crews to also investigate an obsolete meter setting containing an obsolete regulator and Romet 3000 meter that has been in-service for 30 years. There was a load check performed at this location and it shows that we will be able to downsize the meter set to a D1000 meter due to the decreased load at the building.	3830	\$ 38
752	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/26/2021	3721	053	011485	Obsolete Meter & Regulator Replacement - 1817 N Volutsia, Wichita - Retire existing 800 class LP meter & regulator. Install 2" Roots 2M meter, 1.25" American 1813_HC regulator & 1" Fisher 289L Relief. Work being performed in conjunction with the 2021 AWP at 15th & Estelle in Wichita.	3820	\$ 962
753	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/26/2021	3721	053	011485	Obsolete Meter & Regulator Replacement - 1817 N Volutsia, Wichita - Retire existing 800 class LP meter & regulator. Install 2" Roots 2M meter, 1.25" American 1813_HC regulator & 1" Fisher 289L Relief. Work being performed in conjunction with the 2021 AWP at 15th & Estelle in Wichita.	3830	\$ 63
754	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3721	053	011487	Meter & Regulator Replacement - 1520 S Florence, Wichita - Retire existing 30 yr old Roots 11M meter and regulator setting due to obsolescence. Install new 11M Roots meter and 2" Fisher 820_IQ regulator.	3820	\$ 693
755	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3721	053	011487	Meter & Regulator Replacement - 1520 S Florence, Wichita - Retire existing 30 yr old Roots 11M meter and regulator setting due to obsolescence. Install new 11M Roots meter and 2" Fisher 820_IQ regulator.	3830	\$ 1,292
756	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/28/2022	3721	053	011495	Obsolete Meter & Regulator Replacement - 400 W 4th, Sedgwick - Retire obsolete 1.5" Fisher S200 regulator and Roots 5M meter due to inadequate internal components to serve additional load. Install new Roots 5M meter, 2" Itron CL34_2 regulator and 1" Fisher 289H relief valve.	3820	\$ 830
757	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/28/2022	3721	053	011495	Obsolete Meter & Regulator Replacement - 400 W 4th, Sedgwick - Retire obsolete 1.5" Fisher S200 regulator and Roots 5M meter due to inadequate internal components to serve additional load. Install new Roots 5M meter, 2" Itron CL34_2 regulator and 1" Fisher 289H relief valve.	3830	\$ 1,067
758	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/21/2022	3721	053	011499	Obsolete Meter & Regulator Replacement - 1525 N Lorraine, Wichita - Retire vintage 3M Roots meter and 2" Fisher regulator. Install new 5M Roots meter and 2" Itron B34_IMRV regulator.	3820	\$ 624
759	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/21/2022	3721	053	011499	Obsolete Meter & Regulator Replacement - 1525 N Lorraine, Wichita - Retire vintage 3M Roots meter and 2" Fisher regulator. Install new 5M Roots meter and 2" Itron B34_IMRV regulator.	3830	\$ 478
760	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/21/2022	3721	053	011519	Obsolete Meter Replacement - 4133 W Irving, Wichita - Retire obsolete Romet 7000 meter and regulator. Install new 2" Fisher CS820IQ regulator and 5M Roots meter.	3820	\$ 802
761	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/21/2022	3721	053	011519	Obsolete Meter Replacement - 4133 W Irving, Wichita - Retire obsolete Romet 7000 meter and regulator. Install new 2" Fisher CS820IQ regulator and 5M Roots meter.	3830	\$ 1,030
762	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	6/20/2022	3721	053	011526	Obsolete Meter Replacement - 3737 N Popular, Wichita - Retire vintage Roots 11M meter due to obsolescence and to provide adequate measurement accuracies from a decrease in gas load and incompatibilities with corrector. Install new Roots 5M meter.	3820	\$ 785
763	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	6/20/2022	3721	053	011533	Regulator Replacement - 300 E 27th College Ave, North Newton - Retire existing 2" American Alliance 3000 regulator due to pressure system upgrade. Install new 1.25" American 1813_HC. Work being performed in conjunction with the 2022 annual work plan project at 25th & College in North Newton.	3820	\$ 907
764	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	6/20/2022	3721	053	011533	Regulator Replacement - 300 E 27th College Ave, North Newton - Retire existing 2" American Alliance 3000 regulator due to pressure system upgrade. Install new 1.25" American 1813_HC. Work being performed in conjunction with the 2022 annual work plan project at 25th & College in North Newton.	3830	\$ 515
765	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	6/20/2022	3721	053	011534	Regulator Replacement - 2618 E College Ave, North Newton - Retire existing 2" American Alliance 3000 regulator due to pressure system upgrade. Install new 2" American 1813_B regulator. Work being performed in conjunction with the 2022 annual work plan project at 25th & College in North Newton.	3820	\$ 419
766	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	6/20/2022	3721	053	011534	Regulator Replacement - 2618 E College Ave, North Newton - Retire existing 2" American Alliance 3000 regulator due to pressure system upgrade. Install new 2" American 1813_B regulator. Work being performed in conjunction with the 2022 annual work plan project at 25th & College in North Newton.	3830	\$ 329
767	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/21/2022	3721	053	011535	Obsolete Meter Replacement - 1121 Regal, Wichita - Retire antiquated rotary meter and regulator. Install new 2" American B34-IMRV regulator and Roots 3M meter. Worked in conjunction with the BS service line renewal at the same address.	3810	\$ 1,489
768	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/21/2022	3721	053	011535	Obsolete Meter Replacement - 1121 Regal, Wichita - Retire antiquated rotary meter and regulator. Install new 2" American B34-IMRV regulator and Roots 3M meter. Worked in conjunction with the BS service line renewal at the same address.	3820	\$ 572
769	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/21/2022	3721	053	011535	Obsolete Meter Replacement - 1121 Regal, Wichita - Retire antiquated rotary meter and regulator. Install new 2" American B34-IMRV regulator and Roots 3M meter. Worked in conjunction with the BS service line renewal at the same address.	3830	\$ 827
770	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	7/1/2022	3721	053	011543	Meter & Regulator Replacement - 301 S Meridian, Wichita- Retire 1" HP regulator and vintage AL-800 meter due to the retirement of the pressure system that serves the meter setting. Worked in conjunction with the 2022 AWP at Maple & Richmond. Install a 1.25" American 3000 regulator and Roots 2M meter.	3820	\$ 600

Line Number	Qualification	Regulation	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition
771	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	7/1/2022	3721	053	011543	Meter & Regulator Replacement - 301 S Meridian, Wichita- Retire 1" HP regulator and vintage AL-800 meter due to the retirement of the pressure system that serves the meter setting. Worked in conjunction with the 2022 AWP at Maple & Richmond. Install a 1.25" American 3000 regulator and Roots 2M meter.	3830	\$ 1,012
772	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/28/2022	3522	054	011631	9001 Lenexa Drive - 3M Meter Rebuild To Install: 2" 1813B with 1/4" orifice set to 7" W.C.To Retire: 2" Fisher S202 Regulator 289H Relief This work order is being written to rebuild the meter setting at 9001 Lenexa Drive in Lenexa. The meter setting has several leaks and the regulator is obsolete and needs to be replaced. The meter setting will be rebuild to eliminate the obsolete regulator and fix the leaks. Total connected load is 1.6Mcfh with 7" W.C. delivery.System Pressure:SOP: 45 psigMOP: 55 psigMAOP: 55 psig	3820	\$ 920
773	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	4/28/2022	3522	054	011631	9001 Lenexa Drive - 3M Meter Rebuild To Install: 2" 1813B with 1/4" orifice set to 7" W.C.To Retire: 2" Fisher S202 Regulator 289H Relief This work order is being written to rebuild the meter setting at 9001 Lenexa Drive in Lenexa. The meter setting has several leaks and the regulator is obsolete and needs to be replaced. The meter setting will be rebuild to eliminate the obsolete regulator and fix the leaks. Total connected load is 1.6Mcfh with 7" W.C. delivery.System Pressure:SOP: 45 psigMOP: 55 psigMAOP: 55 psig	3830	\$ 1,007
774	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/15/2022	3721	054	012496	Obsolete Meter & Regulator Replacement - 105 N Main, Wichita - Retire existing 2" Reliance 3000 regulator and vintage Roots 3M meter located in a basement. Install new Roots 2M meter and 2" Reliance 3000 regulator. Worked in conjunction with the 2021 Douglas & Main annual work plan project.	3820	\$ 1,636
775	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/15/2022	3721	054	012496	Obsolete Meter & Regulator Replacement - 105 N Main, Wichita - Retire existing 2" Reliance 3000 regulator and vintage Roots 3M meter located in a basement. Install new Roots 2M meter and 2" Reliance 3000 regulator. Worked in conjunction with the 2021 Douglas & Main annual work plan project.	3830	\$ 1,637
776	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/15/2022	3721	054	012497	Obsolete Meter & Regulator Replacement - 105 N Main, Wichita - Retire existing 3" Reliance 3000 regulator and vintage Roots 7M meter located in a basement. Install new Roots 7M meter and 2" Reliance 3000 regulator. Worked in conjunction with the 2021 Douglas & Main annual work plan project.	3820	\$ 3,823
777	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	3/15/2022	3721	054	012497	Obsolete Meter & Regulator Replacement - 105 N Main, Wichita - Retire existing 3" Reliance 3000 regulator and vintage Roots 7M meter located in a basement. Install new Roots 7M meter and 2" Reliance 3000 regulator. Worked in conjunction with the 2021 Douglas & Main annual work plan project.	3830	\$ 2,299
778	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3721	054	012543	Meter & Regulator Replacement - 1035 N Emporia, Wichita - Retire existing 5M Roots Meter and 2"Reliance 3000 regulator due pressure change from main replacement work on the 2021 annual work plan project at 11th & Emporia. Install Roots 5M meter & 2" American 1813B regulator.	3820	\$ 657
779	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3721	054	012543	Meter & Regulator Replacement - 1035 N Emporia, Wichita - Retire existing 5M Roots Meter and 2"Reliance 3000 regulator due pressure change from main replacement work on the 2021 annual work plan project at 11th & Emporia. Install Roots 5M meter & 2" American 1813B regulator.	3830	\$ 464
780	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/26/2021	3721	054	012544	Obsolete Meter Replacement - 1919 Tulsa St, Wichita - Retire obsolete Roots 23M meter. Install Roots 11M meter, 2" Fisher CS800_IQ regulator and 2" Fisher 289H relief. Worked in conjunction with the BS service line renewal at the same address.	3820	\$ 2,983
781	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/26/2021	3721	054	012544	Obsolete Meter Replacement - 1919 Tulsa St, Wichita - Retire obsolete Roots 23M meter. Install Roots 11M meter, 2" Fisher CS800_IQ regulator and 2" Fisher 289H relief. Worked in conjunction with the BS service line renewal at the same address.	3830	\$ 2,287
782	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	7/27/2021	3721	054	012553	Obsolete Meter Replacement - 1515 E 29th St N, Wichita - Retire obsolet e Roots 3M meter & existing 2" regulator due to leak. Install AC-630 meter and 1.25" American 1813_HC regulator. KGS responded to a grade 3 leak and re-built the meter set.	3820	\$ 124
783	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	7/27/2021	3721	054	012553	Obsolete Meter Replacement - 1515 E 29th St N, Wichita - Retire obsolet e Roots 3M meter & existing 2" regulator due to leak. Install AC-630 meter and 1.25" American 1813_HC regulator. KGS responded to a grade 3 leak and re-built the meter set.	3830	\$ 8
784	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/16/2021	3721	054	012566	Obsolete Meter Replacement - 5941 Air Cap Dr, Park City - Retire obsolete Roots 5M meter & existing regulator due to leak. Install Roots 3M meter, 1.25" American 1813_HC regulator, and 1" Fisher 289L relief. KGS will replace the meter and regulator at 5941 Air Cap Dr where the meter set loop was found to be leaking and the regulator venting some. The current 5M meter will be replaced with a new 3M.	3820	\$ 871
785	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	9/16/2021	3721	054	012566	Obsolete Meter Replacement - 5941 Air Cap Dr, Park City - Retire obsolete Roots 5M meter & existing regulator due to leak. Install Roots 3M meter, 1.25" American 1813_HC regulator, and 1" Fisher 289L relief. KGS will replace the meter and regulator at 5941 Air Cap Dr where the meter set loop was found to be leaking and the regulator venting some. The current 5M meter will be replaced with a new 3M.	3830	\$ 87
786	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3721	054	012596	Meter Replacement - 1919 Tulsa St, Wichita - Retire existing 11M meter and regulator due to overspinning issues. Install Roots 23M meter and 2" Fisher CS800_IQ regulator. Work being performed in conjunction with the BS service line replacement at the same address. We recently installed a 11 M Roots meter at this location. KGS crews came to find the rotary meter overspinning. After further research and load checks we saw that their is a substantial amount of load unaccounted for in the previous work.	3820	\$ 345
787	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/26/2021	3721	054	012608	Obsolete Regulator Replacement - 2111 N Rock Rd, Wichita - Retire existing 2" regulator due to damage, not providing adequate regulation, and causing relief to blow. Install 1.25" American 1813_HC regulator.	3820	\$ 519
788	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	10/26/2021	3721	054	012608	Obsolete Regulator Replacement - 2111 N Rock Rd, Wichita - Retire existing 2" regulator due to damage, not providing adequate regulation, and causing relief to blow. Install 1.25" American 1813_HC regulator.	3830	\$ 47
789	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3721	054	012621	Regulator Replacement - 2101 W 45th St S, Wichita - Retire existing 2" slam shut regulator due to improper relieving. Install 2" American 1813_B regulator.	3820	\$ 323
790	Pressure and Measurement (obsolescence)	K.S.A. 66-2202	1/26/2022	3721	054	012621	Regulator Replacement - 2101 W 45th St S, Wichita - Retire existing 2" slam shut regulator due to improper relieving. Install 2" American 1813_B regulator.	3830	\$ 282

\$	361,790
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Line Number	Qualification	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition	Govt Entity
1	Public Improvement	3/30/2022	3521	055	010130	Public Improvement - K-68 & Somerset, Louisburg - Retire 480' of 2" BS, 820' of 2" CS, and 4,000' of 2" PE main in conflict with KDOT's road widening project at the above intersection. Install 5,625' of 2" PE main.	3760	\$ 244,430	Kansas Department of Transportation
2	Public Improvement	6/16/2022	3521	055	010131	GSRS - 812 S Olive St - Ottawa Storm Sewer Project To Install: 20' 2" CS Main To Retire: 15' 2" CS Main This work is being done to relocate the 2" CS main on Olive St for the Ottawa Storm Sewer Project.	3765	\$ 4,273	City of Ottawa
3	Public Improvement	9/21/2021	3522	055	011073	Retire 20' 4" PE main and 10' 2" PE main. 126th Ter and Delmar St, Leawood, KS. Install 30' 4" PE main and 15' 2" PE main. This work is being done to relocate the mains due to Leawood's Patrician Woods Stormwater Improvements Project.	3760	\$ 4,315	City of Leawood
4	Public Improvement	7/27/2021	3522	055	011223	Retire 80' 4" PE main. 71st St & Mission Rd, Prairie Village, KS. Install 80' 4" PE main. Relocate the gas main due to storm water box conflicts with the Prairie Village Storm Water Improvements project.	3760	\$ 29,741	City or Prairie Village
5	Public Improvement	4/13/2022	3522	055	011225	Public Works - Monticello Rd - Phase 1 - Shawnee, KS This is a GSRS project to move KGS Mains that are in conflict with the City of Shawnee - Monticello Rd - Phase 1 project. Monticello Rd and Midland Rd Retire: 440 feet of 2 inch PE Main Install: 440 feet of 2 inch PE Main	3760	\$ 527,034	City of Shawnee
6	Public Improvement	4/13/2022	3522	055	011225	Public Works - Monticello Rd - Phase 1 - Shawnee, KS This is a GSRS project to move KGS Mains that are in conflict with the City of Shawnee - Monticello Rd - Phase 1 project. Monticello Rd and Midland Rd Retire: 440 feet of 2 inch PE Main Install: 440 feet of 2 inch PE Main	3765	\$ 2,686	City of Shawnee
7	Public Improvement	4/13/2022	3522	055	011225	Public Works - Monticello Rd - Phase 1 - Shawnee, KS This is a GSRS project to move KGS Mains that are in conflict with the City of Shawnee - Monticello Rd - Phase 1 project. Monticello Rd and Midland Rd Retire: 440 feet of 2 inch PE Main Install: 440 feet of 2 inch PE Main	3800	\$ 108,611	City of Shawnee
8	Public Improvement	6/16/2022	3522	055	011235	GSRS - 73rd and Holliday - Structure 283 To Install: 100' 4" CS MainTo Retire: 75' 4" BS Main. This work is being done to relocate the main for the Unified Governments Storm Culvert Replacement - Structure 283. The existing main is in conflict with the new culvert and needs to be relocated. The city is currently working on obtaining an easement for the section of land south of the new culvert and KGS will relocate the new main in this easement.	3765	\$ 29,595	Unified Government of Wyandotte County and KCK
9	Public Improvement	6/16/2022	3522	055	011235	GSRS - 73rd and Holliday - Structure 283 To Install: 100' 4" CS MainTo Retire: 75' 4" BS Main. This work is being done to relocate the main for the Unified Governments Storm Culvert Replacement - Structure 283. The existing main is in conflict with the new culvert and needs to be relocated. The city is currently working on obtaining an easement for the section of land south of the new culvert and KGS will relocate the new main in this easement.	3769	\$ 1,419	Unified Government of Wyandotte County and KCK
10	Public Improvement	4/13/2022	3522	055	011236	Public Works - 72nd Ter and Lowell Ave, Overland Park, KS. Install:2,715' of 4" PE; 1,595' of 2" PE; 270' of 2" CS. Replace: 94 long side services and tie over 27 short side services. Retire: 510' of 4" CS; 1,025' of 4" BS; 455' of 3" CS; 1,810' of 3" BS; 275' of 2" CS; 100' of 2" BS. This project is necessary because of a public works full depth street replacement and storm drain improvement which conflicts with KGS's facilities in multiple locations.	3760	\$ 390,754	City of Overland Park
11	Public Improvement	4/13/2022	3522	055	011236	Public Works - 72nd Ter and Lowell Ave, Overland Park, KS. Install:2,715' of 4" PE; 1,595' of 2" PE; 270' of 2" CS. Replace: 94 long side services and tie over 27 short side services. Retire: 510' of 4" CS; 1,025' of 4" BS; 455' of 3" CS; 1,810' of 3" BS; 275' of 2" CS; 100' of 2" BS. This project is necessary because of a public works full depth street replacement and storm drain improvement which conflicts with KGS's facilities in multiple locations.	3765	\$ 41,269	City of Overland Park
12	Public Improvement	4/13/2022	3522	055	011236	Public Works - 72nd Ter and Lowell Ave, Overland Park, KS. Install:2,715' of 4" PE; 1,595' of 2" PE; 270' of 2" CS. Replace: 94 long side services and tie over 27 short side services. Retire: 510' of 4" CS; 1,025' of 4" BS; 455' of 3" CS; 1,810' of 3" BS; 275' of 2" CS; 100' of 2" BS. This project is necessary because of a public works full depth street replacement and storm drain improvement which conflicts with KGS's facilities in multiple locations.	3800	\$ 591,913	City of Overland Park
13	Public Improvement	10/15/2021	3522	055	011237	Retire 90' 2" PE main. 56 Hwy & Moonlight Rd, Gardner, KS. Install 90' 2" PE main. This work is to eliminate conflicts with the US 56 Pavement Reconstruction from Sycamore St to Moonlight Rd Project.	3800	\$ 40,910	Kansas Department of Transportation
14	Public Improvement	11/30/2021	3522	055	011238	Public Works - Johnson Dr & Foster St, Overland Park, KS Install: 160' 2" PE, 40' 4" CS and 210' 6" CS main. Retire: 80' 2" PE, 80' 2" CS, 40' 4" CS, and 210' 6" CS main. There are multiple storm water improvement conflicts with the gas main on the 2021 Overland Park Storm Water Repair project.	3760	\$ 16,663	City of Overland Park
15	Public Improvement	11/30/2021	3522	055	011238	Public Works - Johnson Dr & Foster St, Overland Park, KS Install: 160' 2" PE, 40' 4" CS and 210' 6" CS main. Retire: 80' 2" PE, 80' 2" CS, 40' 4" CS, and 210' 6" CS main. There are multiple storm water improvement conflicts with the gas main on the 2021 Overland Park Storm Water Repair project.	3765	\$ 26,646	City of Overland Park
16	Public Improvement	11/30/2021	3522	055	011238	Public Works - Johnson Dr & Foster St, Overland Park, KS Install: 160' 2" PE, 40' 4" CS and 210' 6" CS main. Retire: 80' 2" PE, 80' 2" CS, 40' 4" CS, and 210' 6" CS main. There are multiple storm water improvement conflicts with the gas main on the 2021 Overland Park Storm Water Repair project.	3769	\$ 800	City of Overland Park
17	Public Improvement	9/16/2021	3522	055	011239	Public Works - Quivira - 87th to 75th St. To Install: two 30' 8" CS Doglegs. To Retire: 50' 8" CS Main. This work is being done due to Lenexa's Quivira Road Improvement Project. The 8" CS main is in conflict with the new storm sewer being installed in two locations.	3765	\$ 219,848	City of Lenexa
18	Public Improvement	9/16/2021	3522	055	011239	Public Works - Quivira - 87th to 75th St. To Install: two 30' 8" CS Doglegs. To Retire: 50' 8" CS Main. This work is being done due to Lenexa's Quivira Road Improvement Project. The 8" CS main is in conflict with the new storm sewer being installed in two locations.	3769	\$ 1,501	City of Lenexa
19	Public Improvement	9/16/2021	3522	055	011239	Public Works - Quivira - 87th to 75th St. To Install: two 30' 8" CS Doglegs. To Retire: 50' 8" CS Main. This work is being done due to Lenexa's Quivira Road Improvement Project. The 8" CS main is in conflict with the new storm sewer being installed in two locations.	3800	\$ 347,906	City of Lenexa
20	Public Improvement	10/15/2021	3522	055	011241	Retire 450 ft of 4 inch BS Main, 75 ft of 2 inch BS Main and 75 ft of 6 inch BS Main. Reinhardt Dr - Roeland Park, KS. Install 450 ft of 4 inch PE Main, 75 ft of 2 inch PE Main and 75 ft of 4 inch PE Main. This project is to relocate the gas mains that are in conflict with the City of Roeland Park Reinhardt St Improvement Project NO 21-PW006.	3760	\$ 139,771	City of Roeland Park
21	Public Improvement	10/15/2021	3522	055	011241	Retire 450 ft of 4 inch BS Main, 75 ft of 2 inch BS Main and 75 ft of 6 inch BS Main. Reinhardt Dr - Roeland Park, KS. Install 450 ft of 4 inch PE Main, 75 ft of 2 inch PE Main and 75 ft of 4 inch PE Main. This project is to relocate the gas mains that are in conflict with the City of Roeland Park Reinhardt St Improvement Project NO 21-PW006.	3769	\$ 4,501	City of Roeland Park
22	Public Improvement	10/15/2021	3522	055	011241	Retire 450 ft of 4 inch BS Main, 75 ft of 2 inch BS Main and 75 ft of 6 inch BS Main. Reinhardt Dr - Roeland Park, KS. Install 450 ft of 4 inch PE Main, 75 ft of 2 inch PE Main and 75 ft of 4 inch PE Main. This project is to relocate the gas mains that are in conflict with the City of Roeland Park Reinhardt St Improvement Project NO 21-PW006.	3800	\$ 46,382	City of Roeland Park
23	Public Improvement	7/27/2021	3522	055	011246	Retire 286' of 2" BS main, 463' of 4" BS main and 125' of 4" CS main. 59th & King, Shawnee, KS. Install: 900' of 2" PE main. The City of Shawnee will be performing road and storm drain improvements and has conflicts with KGS's facilities.	3760	\$ 71,149	City of Shawnee
24	Public Improvement	7/27/2021	3522	055	011246	Retire 286' of 2" BS main, 463' of 4" BS main and 125' of 4" CS main. 59th & King, Shawnee, KS. Install: 900' of 2" PE main. The City of Shawnee will be performing road and storm drain improvements and has conflicts with KGS's facilities.	3800	\$ 21,835	City of Shawnee
25	Public Improvement	10/15/2021	3522	055	011247	Retire 315' 2" PE main. 70th Ter & Noland Rd, Shawnee, KS. Install 200' 2" PE main. There are multiple storm water improvement conflicts with the gas main on the 2021 Shawnee East Storm Water Repair project. KGS will relocate the main and services in the conflict area to resolve the the conflicts.	3760	\$ 13,806	City of Shawnee
26	Public Improvement	10/15/2021	3522	055	011247	Retire 315' 2" PE main. 70th Ter & Noland Rd, Shawnee, KS. Install 200' 2" PE main. There are multiple storm water improvement conflicts with the gas main on the 2021 Shawnee East Storm Water Repair project. KGS will relocate the main and services in the conflict area to resolve the the conflicts.	3800	\$ 6,466	City of Shawnee
27	Public Improvement	3/15/2022	3522	055	011249	Retire Existing #2 Cable and Existing Rectifier and Rack. Waverly Rd & W 174th St, Gardner, KS. Relocate existing rectifier in conflict with the Waverly Road Improvement. Install 1000' #2 Cable and new rectifier box and rack. This work is being done to relocate the rectifier on Waverly road that is in conflict with the new Waverly Road Improvement project.	3765	\$ 20,232	City of Gardner
28	Public Improvement	4/13/2022	3522	055	011250	Public Works - 49th St & Halsey St, Shawnee, KS - Install: 30' 4" CS and 60' 2" PE main. Retire: 20' 4" CS and 40' 2" PE main. There is a storm water improvement conflict with the gas main at 3 separate locations on the 2021 49th St & Quivira Rd Storm Water Repair project. KGS will relocate the gas main that is in conflict at each area.	3760	\$ 142	City of Shawnee
29	Public Improvement	4/13/2022	3522	055	011250	Public Works - 49th St & Halsey St, Shawnee, KS - Install: 30' 4" CS and 60' 2" PE main. Retire: 20' 4" CS and 40' 2" PE main. There is a storm water improvement conflict with the gas main at 3 separate locations on the 2021 49th St & Quivira Rd Storm Water Repair project. KGS will relocate the gas main that is in conflict at each area.	3765	\$ 6,980	City of Shawnee
30	Public Improvement	6/16/2022	3522	055	011251	6th & Church, Tonganoxie, KS Install: 630' of 4" PE; 930' of 2" PE main. Replace 3 BS services, 1 CS service and tie over 16 PE services Retire: 565' of 3" and 600' of 2" BS main; 342' of 2" CS main Public Improvement Project-This work is being done to avoid conflicts with the Tonganoxie Storm Sewer Project. New storm pipes are being installed and are in conflict with KGS facilities in multiple locations.	3760	\$ 117,310	City of Tonganoxie
31	Public Improvement	6/16/2022	3522	055	011251	6th & Church, Tonganoxie, KS Install: 630' of 4" PE; 930' of 2" PE main. Replace 3 BS services, 1 CS service and tie over 16 PE services Retire: 565' of 3" and 600' of 2" BS main; 342' of 2" CS main Public Improvement Project-This work is being done to avoid conflicts with the Tonganoxie Storm Sewer Project. New storm pipes are being installed and are in conflict with KGS facilities in multiple locations.	3765	\$ 12,772	City of Tonganoxie
32	Public Improvement	6/16/2022	3522	055	011251	6th & Church, Tonganoxie, KS Install: 630' of 4" PE; 930' of 2" PE main. Replace 3 BS services, 1 CS service and tie over 16 PE services Retire: 565' of 3" and 600' of 2" BS main; 342' of 2" CS main Public Improvement Project-This work is being done to avoid conflicts with the Tonganoxie Storm Sewer Project. New storm pipes are being installed and are in conflict with KGS facilities in multiple locations.	3769	\$ 553	City of Tonganoxie
33	Public Improvement	6/16/2022	3522	055	011251	6th & Church, Tonganoxie, KS Install: 630' of 4" PE; 930' of 2" PE main. Replace 3 BS services, 1 CS service and tie over 16 PE services Retire: 565' of 3" and 600' of 2" BS main; 342' of 2" CS main Public Improvement Project-This work is being done to avoid conflicts with the Tonganoxie Storm Sewer Project. New storm pipes are being installed and are in conflict with KGS facilities in multiple locations.	3800	\$ 45,158	City of Tonganoxie
34	Public Improvement	12/2/2021	3522	055	011252	Public Works - 6904 Leavenworth Road - 12" Dogleg To Install: 40' 12" CS Main 20' 16"CS Main. To Retire: 60' 16" CS Main This work is being done to replace a segmentof 16" CS main that is inside of a storm box at 6904 Leavenworth Road. The storm sewer is being replaced as part of the Leavenworth Road project. The 16" main goes through the existing storm box and has visible surface corrosion. KGS will need to demo the storm box since our line goes through the old boxfor the city and replace the corroded 16" main with 12" main.	3765	\$ 207,637	Unified Government of Wyandotte County and KCK
35	Public Improvement	6/13/2022	3522	055	011253	Sagamore Rd & Condolea Ter, Leawood, KS Install: 130' 4" CS and 30' 2" PE main. Retire: 130' 4" CS and 30' 2" PE main. Public Works Project: There are storm water improvement conflicts with the gas main at 3 separate locations on the Metal Pipe Replacement project at W 131st St & Sagamore Rd. KGS will relocate the gas main that is in conflict at each area. The city will begin construction September 7, 2021.NDUGSRS eligible There are no leaks on the main being replaced.	3760	\$ 143,624	City of Leawood
36	Public Improvement	6/13/2022	3522	055	011253	Sagamore Rd & Condolea Ter, Leawood, KS Install: 130' 4" CS and 30' 2" PE main. Retire: 130' 4" CS and 30' 2" PE main. Public Works Project: There are storm water improvement conflicts with the gas main at 3 separate locations on the Metal Pipe Replacement project at W 131st St & Sagamore Rd. KGS will relocate the gas main that is in conflict at each area. The city will begin construction September 7, 2021.NDUGSRS eligible There are no leaks on the main being replaced.	3765	\$ 12,158	City of Leawood



Line Number	Qualification	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition	Govt Entity
37	Public Improvement	6/13/2022	3522	055	011253	Sagamore Rd & Condolea Ter, Leawood, KS Install: 130' 4" CS and 30' 2" PE main. Retire: 130' 4" CS and 30' 2" PE main. Public Works Project: There are storm water improvement conflicts with the gas main at 3 separate locations on the Metal Pipe Replacement project at W 131st St & Sagamore Rd. KGS will relocate the gas main that is in conflict at each area. The city will begin construction September 7, 2021.NDUGSRS eligible There are no leaks on the main being replaced.	3769	\$ 2,491	City of Leawood
38	Public Improvement	6/13/2022	3522	055	011253	Sagamore Rd & Condolea Ter, Leawood, KS Install: 130' 4" CS and 30' 2" PE main. Retire: 130' 4" CS and 30' 2" PE main. Public Works Project: There are storm water improvement conflicts with the gas main at 3 separate locations on the Metal Pipe Replacement project at W 131st St & Sagamore Rd. KGS will relocate the gas main that is in conflict at each area. The city will begin construction September 7, 2021.NDUGSRS eligible There are no leaks on the main being replaced.	3800	\$ 62,538	City of Leawood
39	Public Improvement	1/26/2022	3522	055	011254	Public Works - 47th Ter & Park St, Shawnee, KS - Install: 40' 2" CS and 30' 2" PE main dog legs. Retire: 40' 2" CS and 30' 2" PE main. There is a storm water improvement conflict with the gas main at 2 separate locations on the 2021 49th St & Quivira Rd Shawnee East Storm Water Repair project. KGS will relocate the gas main that is in conflict at each area.	3760	\$ 13,689	City of Shawnee
40	Public Improvement	1/26/2022	3522	055	011254	Public Works - 47th Ter & Park St, Shawnee, KS - Install: 40' 2" CS and 30' 2" PE main dog legs. Retire: 40' 2" CS and 30' 2" PE main. There is a storm water improvement conflict with the gas main at 2 separate locations on the 2021 49th St & Quivira Rd Shawnee East Storm Water Repair project. KGS will relocate the gas main that is in conflict at each area.	3765	\$ 22,300	City of Shawnee
41	Public Improvement	4/13/2022	3522	055	011256	Public Works - 82nd St & Granada St, Prairie Village, KS - Install: 30' 2" CS main.Retire:30' 2" CS main. There is a storm water improvement conflict with the gas main on the 2021 Prairie Village Paving and Storm Water Repair project. KGS will relocate the gas main that is in conflict.	3765	\$ 2,750	City of Prairie Village
42	Public Improvement	4/13/2022	3522	055	011257	Public Works - Monticello Rd - Phase 2 - Shawnee, KS This is a GSRS project to move KGS Mains that are in conflict with the City of Shawnee - Monticello Rd - Phase 2 project. 7755 Monticello Rd Retire: 900 feet of 4 inch CS Main 73rd Terr Retire: 150 ft of 2 inch PE Main Install: 150ft of 2 inch PE Main Tie-Over: 3 Service Lines	3760	\$ 15,852	City of Shawnee
43	Public Improvement	4/13/2022	3522	055	011257	Public Works - Monticello Rd - Phase 2 - Shawnee, KS This is a GSRS project to move KGS Mains that are in conflict with the City of Shawnee - Monticello Rd - Phase 2 project. 7755 Monticello Rd Retire: 900 feet of 4 inch CS Main 73rd Terr Retire: 150 ft of 2 inch PE Main Install: 150ft of 2 inch PE Main Tie-Over: 3 Service Lines	3800	\$ 734	City of Shawnee
44	Public Improvement	7/1/2022	3522	055	011259	GSRS - Alley between 48th St and 48th Ter West of State Line To Install: 820' 2" PE Main To Retire:643' 2" BS Main 21' 2" CS Main 50' 2" PE Main This work is being done to replace the BS main in the Alley between 48th St and 48th Ter west of State Line Rd. The City of Westwood Hills is doing a Mill and Overlay project in the area and this alley will be a full depth replacement. The BS main will be replaced to make sure we have adequate depth for the main and SLs that run through the alley.	3760	\$ 72,399	City of Westwood Hills
45	Public Improvement	4/19/2022	3522	055	011261	Public Works - W 63rd Ter and Dearborn Dr - Mission, KS Conflict with Stormbox City of Mission called about a section of 2 inch CS Main that they found near a storm box at the corner of W 63rd Ter and Dearborn Dr that is in conflict with the new stormbox being installed. Install: 3-ea 2 inch 3-way Tee 50 feet of 2 inch CS Main Retire: 50 feet of 2 inch CS Main	3760	\$ 4,371	City of Mission
46	Public Improvement	6/29/2022	3522	055	011265	Lee Blvd-83rd to Somerset, Leawood, KS Install: 2,100' of 4" PE main, 36 PE services to tie-over Retire: 2,100 of 2" BS main Public Improvement- The city of Leawood is widening Lee Blvd from 83rd St to Somerset adding a bike-lane and curbs to each side. This project is in conflict with KGS facilities in multiple locations.	3760	\$ 167,758	City of Leawood
47	Public Improvement	6/29/2022	3522	055	011265	Lee Blvd-83rd to Somerset, Leawood, KS Install: 2,100' of 4" PE main, 36 PE services to tie-over Retire: 2,100 of 2" BS main Public Improvement- The city of Leawood is widening Lee Blvd from 83rd St to Somerset adding a bike-lane and curbs to each side. This project is in conflict with KGS facilities in multiple locations.	3800	\$ 142,437	City of Leawood
48	Public Improvement	4/13/2022	3522	055	011273	Public Works - 13505 W 57th St, Shawnee, KS - Install 15' 2" PE main. Retire10' 2" PE main. There is a storm water conflict with the 2" PE main. KGS will install a dog leg to eliminate the conflict.	3760	\$ 1,827	City of Shawnee
49	Public Improvement	6/29/2022	3522	055	011275	8th and W Braun, Edgerton, KS. Install 90' 2" CS main dog legRetire 74' 2" CS main. Public Improvement: there's a storm water improvement conflict with the gas main at the corner of 8th St and Braun. The city is needing to install two storm pipes, one at the NE side and one at the SE side of the intersection. KGS will relocate the gas main that is in conflict. There are no leaks on the main being replaced.SOP= 32 psigMAOP= 32 psig	3765	\$ 15,630	City of Edgerton
50	Public Improvement	6/29/2022	3522	053	011727	Retire 30' 4" CS Main. 70th Ter and Antioch, Merriam, KS. Install 40' 4" CS Main . This work order is to relocate the 4" CS main due to a new storm sewer pipe replacement by the City of Merriam.	3765	\$ 64,238	City of Merriam
51	Public Improvement	6/29/2022	3522	053	011727	Retire 30' 4" CS Main. 70th Ter and Antioch, Merriam, KS. Install 40' 4" CS Main . This work order is to relocate the 4" CS main due to a new storm sewer pipe replacement by the City of Merriam.	3769	\$ 4,122	City of Merriam
52	Public Improvement	4/13/2022	3531	055	010084	Public Works - Eisenhower Rd & K-7 Hwy, Leavenworth, KS Install: 400' 6" CS, 100' 4" PE and 20' 2" PE main. Retire:380' 6" CS, 100' 4" CS and 10' 2" PE main. There are multiple storm water improvement conflicts with the gas main on the Eisenhower Rd & K-7 Hwy Street Improvement Project. KGS will relocate the main in the conflict areas to resolve the the conflicts.	3760	\$ 25,425	City of Leavenworth
53	Public Improvement	4/13/2022	3531	055	010084	Public Works - Eisenhower Rd & K-7 Hwy, Leavenworth, KS Install: 400' 6" CS, 100' 4" PE and 20' 2" PE main. Retire:380' 6" CS, 100' 4" CS and 10' 2" PE main. There are multiple storm water improvement conflicts with the gas main on the Eisenhower Rd & K-7 Hwy Street Improvement Project. KGS will relocate the main in the conflict areas to resolve the the conflicts.	3765	\$ 166,530	City of Leavenworth
54	Public Improvement	4/13/2022	3531	055	010084	Public Works - Eisenhower Rd & K-7 Hwy, Leavenworth, KS Install: 400' 6" CS, 100' 4" PE and 20' 2" PE main. Retire:380' 6" CS, 100' 4" CS and 10' 2" PE main. There are multiple storm water improvement conflicts with the gas main on the Eisenhower Rd & K-7 Hwy Street Improvement Project. KGS will relocate the main in the conflict areas to resolve the the conflicts.	3769	\$ 1,344	City of Leavenworth
55	Public Improvement	4/13/2022	3531	055	010084	Public Works - Eisenhower Rd & K-7 Hwy, Leavenworth, KS Install: 400' 6" CS, 100' 4" PE and 20' 2" PE main. Retire:380' 6" CS, 100' 4" CS and 10' 2" PE main. There are multiple storm water improvement conflicts with the gas main on the Eisenhower Rd & K-7 Hwy Street Improvement Project. KGS will relocate the main in the conflict areas to resolve the the conflicts.	3800	\$ 10,653	City of Leavenworth
56	Public Improvement	2/28/2022	3531	055	010086	Public Works - Eisenhower Rd & Lakeview Dr, Leavenworth, KS Install: 30' 2" CS main. Retire: 30' 2" CS main. There is a storm water improvement conflict with the gas main on the Eisenhower Rd & Lakeview Dr Street Improvement Project. Install a 30' 2" CS main dog leg around the back of the new storm water inlet box.	3765	\$ 3,209	City of Leavenworth
57	Public Improvement	4/13/2022	3532	055	010018	Public Improvement - N 12th St, Hiawatha - Retire 100' of 2" PE, 354' of 4" PE, 1,663' of 2" RPCS, 91' of 1.25 RPCS, 2,221 of 2" RPCS, and 1,538' of 4" RPCS main in conflict with City of Hiawatha's Citywide Sales Tax street Improvement Project. Install 3,840' of 4" PE and 2,130' of 2" PE main. 9 BS SL Renewals.	3760	\$ 287,935	City of Hiawatha
58	Public Improvement	4/13/2022	3532	055	010018	Public Improvement - N 12th St, Hiawatha - Retire 100' of 2" PE, 354' of 4" PE, 1,663' of 2" RPCS, 91' of 1.25 RPCS, 2,221 of 2" RPCS, and 1,538' of 4" RPCS main in conflict with City of Hiawatha's Citywide Sales Tax street Improvement Project. Install 3,840' of 4" PE and 2,130' of 2" PE main. 9 BS SL Renewals.	3800	\$ 43,182	City of Hiawatha
59	Public Improvement	1/26/2022	3541	055	010395	Public Works - SW Foxcroft North Cir and SW Foxcroft 3 CT, Topeka, Kansas - The City of Topeka is installing a new storm sewer system on SW Foxcroft North Cir and SW Foxcroft South Cir. The storm sewer will cross the 2-inch RPCS main and a service line. There is a dresser in this main, and it will be sleeved prior to the excavation under the main. The 2-inch RPCS is approximately 100 ft from the existing 2-inch PE. The two are part of the same system and tied in to give the system a loop feed. Install approximately 100 feet of 2-inch PE to tie two mains in the same system together eliminating dead ends and providing a loop feed. Install a pumpkin over an existing dresser and support the main & service during construction of the storm sewer.	3760	\$ 20,448	City of Topeka
60	Public Improvement	6/29/2022	3541	055	010399	SW 12th and Washburn in Topeka Function 55 This project will relocate 1 of 3 conflicts in Phase 1 of a 5 phase City of Topeka project to improve SW 12th St from Kanas Ave to Gage Blvd, including the storm sewer. KGS has 3 mains in conflict in this phase that must be relocated by February of 2021. The requested relocation date is December 2020. The rest of the 10in RPBS along SW 12th St will be relocated and replaced as part of Phase 3 of SW 12th St and will tie-on to this project at Washburn. The relocation for this estimate is as follows: Relocate and replace 100ft of 10in RPBS and 100ft of 8in RPBS with 8in RPBS at 12th and Washburn. SOP: 45 psig MAOP: 58 psig Install: 200ft 8" RPBS Retire: 100ft 8" RPBS, & 100ft 10" RPBS	3765	\$ 157,527	City of Topeka
61	Public Improvement	1/26/2022	3541	055	010402	Public Works - SW 10th Part 2 - Woodbridge to Fairlawn, Topeka, KS TO INSTALL: 240-feet of 6-inch CS and 190 feet of 2-inch PE main. 740-feet of 0.75-inch IPS PE for 9 residential service lines and 500-feet of 1.25-inch PE for 5 residential multi-meter service lines. TO RETIRE: 240-feet of 6-inch RPCS and 190-feet of 2-inch PE main. City of Topeka Street Improvement Project along SW 10th Ave between Woodbridge and Fairlawn. Proposed retaining walls and grade changes are in conflict with KGS mains and service lines crossing SW 10 th.	3760	\$ 30,104	City of Topeka
62	Public Improvement	1/26/2022	3541	055	010402	Public Works - SW 10th Part 2 - Woodbridge to Fairlawn, Topeka, KS TO INSTALL: 240-feet of 6-inch CS and 190 feet of 2-inch PE main. 740-feet of 0.75-inch IPS PE for 9 residential service lines and 500-feet of 1.25-inch PE for 5 residential multi-meter service lines. TO RETIRE: 240-feet of 6-inch RPCS and 190-feet of 2-inch PE main. City of Topeka Street Improvement Project along SW 10th Ave between Woodbridge and Fairlawn. Proposed retaining walls and grade changes are in conflict with KGS mains and service lines crossing SW 10 th.	3765	\$ 83,916	City of Topeka
63	Public Improvement	1/26/2022	3541	055	010402	Public Works - SW 10th Part 2 - Woodbridge to Fairlawn, Topeka, KS TO INSTALL: 240-feet of 6-inch CS and 190 feet of 2-inch PE main. 740-feet of 0.75-inch IPS PE for 9 residential service lines and 500-feet of 1.25-inch PE for 5 residential multi-meter service lines. TO RETIRE: 240-feet of 6-inch RPCS and 190-feet of 2-inch PE main. City of Topeka Street Improvement Project along SW 10th Ave between Woodbridge and Fairlawn. Proposed retaining walls and grade changes are in conflict with KGS mains and service lines crossing SW 10 th.	3800	\$ 152,108	City of Topeka
64	Public Improvement	2/28/2022	3541	055	010404	LOCATION: SW 12th and Lane, Topeka KS TO INSTALL: 50ft of 4" MDPE main TO RETIRE: 125ft of 4" MDPE main PUBLIC WORKS PROJECT: This project is necessary because of a public works road improvement project and storm water pipe replacement.	3760	\$ 25,540	City of Topeka
65	Public Improvement	12/2/2021	3541	055	010407	2851 SW Villa West DR, Topeka, Kansas - To Retire: 290 ft of 2 inch PE. To install : 290 ft of 2 Inch PE. Public Works Project : The existing 290 ft 2 inch PE conflicts with the new storm sewer the City of Topeka is installing at 2851 SW Villa West DR. The new main will be installed in a new 6 ft gas easement that will run to the south of the new storm sewer.	3760	\$ 13,930	City of Topeka
66	Public Improvement	2/28/2022	3541	055	010410	Public Works - 1146 SW Collins, Topeka, Kansas- To Retire: Approximately 50ft of 2-inch PE that conflicts with storm inlet box.To install: Approximately 80ft of 2-inch PE to go out and around the storm inlet box. The existing 2-inch PE conflicts with the newstorm inlet box being installed at the corner of SW Munson & Collins.	3760	\$ 21,251	City of Topeka

Line Number	Qualification	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition	Govt Entity
						Install: 450-ft of 6-in PE main, 10-ft of 2-in PE mainRetire: 450-ft of 6-in CS mainThis work is being done to relocate due to a City traffic way improvement. Our current main is 6-in anode protected coated steel from 1960 and is located beneath the street. This project has two bare steel services that will be renewed. This is a single fed system from the north.			
67	Public Improvement	7/1/2022	3541	055	010412		3760	\$ 77,910	City of Topeka
68	Public Improvement	7/1/2022	3541	055	010412	Install: 450-ft of 6-in PE main, 10-ft of 2-in PE mainRetire: 450-ft of 6-in CS mainThis work is being done to relocate due to a City traffic way improvement. Our current main is 6-in anode protected coated steel from 1960 and is located beneath the street. This project has two bare steel services that will be renewed. This is a single fed system from the north.	3800	\$ 37,658	City of Topeka
69	Public Improvement	1/4/2022	3541	055	010416	LOCATION: SW Huntoon and MacVicar, Topeka KS TO INSTALL: 120 ft of 2" MDPE PUBLIC WORKS PROJECT: This work is part of phase 3 of a project to relocate facilities along SW 12th St in Topeka. The city will be installing new storm sewer pipe and performing road improvements through 2021 and 2022. This project is a tie-in at Huntoon and MacVicar that will provide a second feed during relocations along 12th st.	3760	\$ 12,990	City of Topeka
70	Public Improvement	4/19/2022	3541	055	010418	Retire 100ft of 6" APCS main. SW 12th and Boswell, Topeka KS. Install 100 ft of 6" MDPE main. The city will be installing new storm sewer pipe and performing road improvements and the gas main is in conflict and will be relocated.	3760	\$ 50,524	City of Topeka
71	Public Improvement	3/30/2022	3541	055	010419	Public Works - SW 12th and Jewell, Topeka KS - TO INSTALL: 120 ft of 6" MDPE; 100 ft of 2" MDPE. TO RETIRE: 120 ft of 6" MDPE; 100 ft of 2" MDPE. This work is part of phase 3 of a project to relocate facilities along SW 12th St in Topeka. The city will be installing new storm sewer pipe and performing road improvements through 2021 and 2022. This project relocates 120' of 6" PE and 100' of 2" PE in conflict with new storm sewer crossing 12th and Jewell.	3760	\$ 47,091	City of Topeka
72	Public Improvement	4/13/2022	3541	055	010422	Public Works - SW Twilight & SW 30th, Topeka, Kansas - To Retire: 1,576' of 2" APCS, with vintages from 1959 to 9' in 2001, and 240' of 4" APCS for a total of 1,816' of main To install : 1,735' of 2" PE on SW 30th, SW Twilight and SW Eveningside. The City of Topeka is doing a mill and overly project with new curb and gutters on SW 30th, SW Twilight and SW Evening side. Some of the existing main is located in the street. There is also some main located in a rear easement serving 10 customers.	3760	\$ 80,164	City of Topeka
73	Public Improvement	4/13/2022	3541	055	010422	Retire 1576' 2 in APCS, 240' 4 in APCS. Install 1735' 2in PE. SW Twilight and 30th, Topeka KS. The City of Topeka is doing a mill and overlay project with new curb and gutters on SW 30th, SW Twilight, and SW Evening side.	3769	\$ 1,015	City of Topeka
74	Public Improvement	4/13/2022	3541	055	010422	Retire 1576' 2 in APCS, 240' 4 in APCS. Install 1735' 2in PE. SW Twilight and 30th, Topeka KS. The City of Topeka is doing a mill and overlay project with new curb and gutters on SW 30th, SW Twilight, and SW Evening side.	3800	\$ 61,641	City of Topeka
75	Public Improvement	4/19/2022	3541	055	010425	Install 100 ft of 4" MDPE. SW 12th and Western, Topeka KS. The main is too shallow at this crossing for the city's full-depth concrete road replacement. The main was cut and capped until road improvements are finished, now the new main will be installed crossing Western	3800	\$ 2,567	City of Topeka
76	Public Improvement	6/29/2022	3541	055	010427	Location: 12th and High Ave, Topeka KSInstall: 200 ft 4" PERetire: 85 ft 6" PE, 50 ft 4" PETie over 1 SL and lower 1 SLSOP: 45 psig MAOP: 58 psigThe city of Topeka is performing road and sewer improvements along SW 12th st between Kansas and Gage through 2021 and 2022. This is project is to relocate main in the intersection of 12th and High Ave and lower one service line crossing 12th at 1195 SW Wayne Ave. This project is 1 of 2 projects in Phase 4 of the city's plans between MacVicar and Oakley.	3760	\$ 34,779	City of Topeka
77	Public Improvement	6/29/2022	3541	055	010427	Location: 12th and High Ave, Topeka KSInstall: 200 ft 4" PERetire: 85 ft 6" PE, 50 ft 4" PETie over 1 SL and lower 1 SLSOP: 45 psig MAOP: 58 psigThe city of Topeka is performing road and sewer improvements along SW 12th st between Kansas and Gage through 2021 and 2022. This is project is to relocate main in the intersection of 12th and High Ave and lower one service line crossing 12th at 1195 SW Wayne Ave. This project is 1 of 2 projects in Phase 4 of the city's plans between MacVicar and Oakley.	3800	\$ 25,126	City of Topeka
78	Public Improvement	6/29/2022	3541	055	010428	Location: 12th and Warren Ave, Topeka KS. Install: 100 ft 2" PE. Retire: 100 ft 2" PE. Lower 1 SL. The city of Topeka is performing road and sewer improvements along SW 12th st between Kansas and Gage through 2021 and 2022. This is project is to relocate main in the intersection of 12th and Warren Ave and lower one service line crossing Webster at 1201 SW Webster Ave. This project is 2 of 2 projects in Phase 4 of the city's plans between MacVicar and Oakley.	3760	\$ 8,480	City of Topeka
79	Public Improvement	6/29/2022	3541	055	010428	Location: 12th and Warren Ave, Topeka KS. Install: 100 ft 2" PE. Retire: 100 ft 2" PE. Lower 1 SL. The city of Topeka is performing road and sewer improvements along SW 12th st between Kansas and Gage through 2021 and 2022. This is project is to relocate main in the intersection of 12th and Warren Ave and lower one service line crossing Webster at 1201 SW Webster Ave. This project is 2 of 2 projects in Phase 4 of the city's plans between MacVicar and Oakley.			
80	Public Improvement	3/21/2022	3542	053	010073	568 W US 50 HWY, Emporia, KS - To Install: 460-feet 4-inch PE. To Retire: 460-feet 4-inch PE RM project: This project is a main relocation project that was originally moved in preparation of a KDOT project on US HWY 50 East of Emporia, KS. Adjustments and/or replacements will be necessary for 2 PE service lines.	3760	\$ 83,068	Kansas Department of Transportation
81	Public Improvement	3/21/2022	3542	053	010073	568 W US 50 HWY, Emporia, KS - To Install: 460-feet 4-inch PE. To Retire: 460-feet 4-inch PE RM project: This project is a main relocation project that was originally moved in preparation of a KDOT project on US HWY 50 East of Emporia, KS. Adjustments and/or replacements will be necessary for 2 PE service lines.	3800	\$ 32,163	Kansas Department of Transportation
82	Public Improvement	3/15/2022	3621	055	010048	Public Improvement- Lincoln St, Wichita - 3rd, Russell - Retire 827' of 2" RPBS and 83' of 4" RPBS main in conflict with The City of Russell's Road Improvement project at the above intersection. Install 443' of 2" PE and 286' of 2" CS main.	3760	\$ 20,260	City of Russell
83	Public Improvement	3/15/2022	3621	055	010048	Public Improvement- Lincoln St, Wichita - 3rd, Russell - Retire 827' of 2" RPBS and 83' of 4" RPBS main in conflict with The City of Russell's Road Improvement project at the above intersection. Install 443' of 2" PE and 286' of 2" CS main.	3765	\$ 21,762	City of Russell
84	Public Improvement	3/15/2022	3621	055	010048	Public Improvement- Lincoln St, Wichita - 3rd, Russell - Retire 827' of 2" RPBS and 83' of 4" RPBS main in conflict with The City of Russell's Road Improvement project at the above intersection. Install 443' of 2" PE and 286' of 2" CS main.	3800	\$ 5,376	City of Russell
85	Public Improvement	3/15/2022	3621	055	010048	Public Improvement- Lincoln St, Wichita - 3rd, Russell - Retire 827' of 2" RPBS and 83' of 4" RPBS main in conflict with The City of Russell's Road Improvement project at the above intersection. Install 443' of 2" PE and 286' of 2" CS main.	3820	\$ 830	City of Russell
86	Public Improvement	3/15/2022	3621	055	010048	Public Improvement- Lincoln St, Wichita - 3rd, Russell - Retire 827' of 2" RPBS and 83' of 4" RPBS main in conflict with The City of Russell's Road Improvement project at the above intersection. Install 443' of 2" PE and 286' of 2" CS main.	3830	\$ 60	City of Russell
87	Public Improvement	3/15/2022	3621	055	010050	Public Improvement - 4th to Wisconsin, Russell - Retire 325' of 4" RPBS and 115' of 2" RPCS main in conflict with the City of Russel's Road Improvement project. Install and relocate 200' of 4" RPCS and 20' of 2" PE main	3765	\$ 20,834	City of Russell
88	Public Improvement	3/30/2022	3631	055	010085	Public Improvement - 3302 Northwestern - Retire 30' of 2" CS main in conflict with The City of Hutchinson's plans to install a new concrete storm drain. Install and lower 30' of 2"PE main.	3760	\$ 4,746	City of Hutchinson
89	Public Improvement	3/30/2022	3631	055	010085	Public Improvement - 3302 Northwestern - Retire 30' of 2" CS main in conflict with The City of Hutchinson's plans to install a new concrete storm drain. Install and lower 30' of 2"PE main.	3800	\$ 7,296	City of Hutchinson
90	Public Improvement	7/1/2022	3631	055	010087	Public Improvement - Scott Blvd Bridge, South Hutchinson - Retire 350' of 4" RPCS and 350' of 6" RPCS in conflict with a bridge demolition by The City of South Hutchinson. Install 350' of 8" RPCS and 150' of 4" RPCS main.	3742	\$ 6,063	City of Hutchinson
91	Public Improvement	7/1/2022	3631	055	010087	Public Improvement - Scott Blvd Bridge, South Hutchinson - Retire 350' of 4" RPCS and 350' of 6" RPCS in conflict with a bridge demolition by The City of South Hutchinson. Install 350' of 8" RPCS and 150' of 4" RPCS main.	3765	\$ 95,812	City of Hutchinson
92	Public Improvement	7/5/2022	3635	055	010075	City of McPherson is widening the area of E Earl St & Elm St for drainage improvement and a section of our 2" PE main will be in conflict. We will need relocate our main to the south of it's current location on Earl St There will be 4 SL's to tieover. Retire - 351' - 2" PE. Install - 351' - 2" PE.	3760	\$ 22,599	City of McPherson
93	Public Improvement	7/5/2022	3635	055	010075	City of McPherson is widening the area of E Earl St & Elm St for drainage improvement and a section of our 2" PE main will be in conflict. We will need relocate our main to the south of it's current location on Earl St There will be 4 SL's to tieover. Retire - 351' - 2" PE. Install - 351' - 2" PE.	3800	\$ 1,195	City of McPherson
94	Public Improvement	5/24/2022	3635	055	010076	Do to a City of McPherson project to install a bike path, the drive approach at 1601 N Main is being replaced and lowered and the existing gas main is in conflict. Retire: 70' 2" APCS. Install: 70' 2" PE Pipe.	3760	\$ 4,347	City of McPherson
95	Public Improvement	1/4/2022	3642	055	010047	Public Improvement - 410 N Main, Burr Oak - Retire 260' of 2" RPBS main in conflict with KDOT's plan for a bridge replacement and grading cuts during the State Highway's K-128 Federal Aid project. Install 300' of 2" PE main. KDOT is replacing a bridge on the North end of the town of Burr Oak, and a small portion of our existing gas main is in conflict with their grading plans.	3760	\$ 36,798	Kansas Department of Transportation
96	Public Improvement	7/1/2022	3642	055	010048	The city of Beloit is replacing 2 bridges along Gill Creek Ter., & this project is the North bridge. Our current gas line is in conflict with the bridge replacement. Install 140' 2" PE. Retire 142' 1.25" PE.	3760	\$ 1,619	City of Beloit
97	Public Improvement	7/1/2022	3642	055	010048	The city of Beloit is replacing 2 bridges along Gill Creek Ter., & this project is the North bridge. Our current gas line is in conflict with the bridge replacement. Install 140' 2" PE. Retire 142' 1.25" PE.	3800	\$ 784	City of Beloit
98	Public Improvement	5/24/2022	3642	055	010049	Public Improvement - 8th St, Beloit - Retire 200' of 2" PE, 385' RPCS & 127' RPBS main in conflict with The City of of Beloit's 2021 North Hersey Avenue, Gaylord Street, North Walnut Street, East 8th Street Improvements project. Install 700' of 2" PE main.	3760	\$ 12,469	City of Beloit
99	Public Improvement	5/24/2022	3642	055	010049	Public Improvement - 8th St, Beloit - Retire 200' of 2" PE, 385' RPCS & 127' RPBS main in conflict with The City of of Beloit's 2021 North Hersey Avenue, Gaylord Street, North Walnut Street, East 8th Street Improvements project. Install 700' of 2" PE main.	3800	\$ 1,721	City of Beloit
100	Public Improvement	7/1/2022	3642	055	010050	Public Improvement - Gill Creek Ter, Beloit - Retire 313' of 2" RPCS & 42' 2" PE main in conflict with The City of Beloit's plans to demolish 2 bridges near Gill Creek Ter. Install 270' of 2" PE main.	3760	\$ 7,641	City of Beloit
101	Public Improvement	7/27/2021	3643	055	010009	Public Improvement - State to Hwy 81, Concordia - Retire 208' of 6" APCS & 500' of 4" APCS main in conflict with the new installation of storm and sanitary sewer as part of the City of Concordia's CDBG Project. Install 700' of 4" PE main.	3760	\$ 121,983	City of Concordia
102	Public Improvement	7/27/2021	3643	055	010009	Public Improvement - State to Hwy 81, Concordia - Retire 208' of 6" APCS & 500' of 4" APCS main in conflict with the new installation of storm and sanitary sewer as part of the City of Concordia's CDBG Project. Install 700' of 4" PE main.	3769	\$ 934	City of Concordia
103	Public Improvement	7/27/2021	3643	055	010009	Public Improvement - State to Hwy 81, Concordia - Retire 208' of 6" APCS & 500' of 4" APCS main in conflict with the new installation of storm and sanitary sewer as part of the City of Concordia's CDBG Project. Install 700' of 4" PE main.	3800	\$ 18,875	City of Concordia
104	Public Improvement	7/27/2021	3643	055	010009	Public Improvement - State to Hwy 81, Concordia - Retire 208' of 6" APCS & 500' of 4" APCS main in conflict with the new installation of storm and sanitary sewer as part of the City of Concordia's CDBG Project. Install 700' of 4" PE main.	3820	\$ 8,594	City of Concordia
105	Public Improvement	7/27/2021	3651	055	010134	To: install 1955' of 6" PE, 600' of 8" FBE Coated Steel and 1000' of 2" PE. Retire: 2064' of 6" BS, 465' of 8" BS and 1000' of 2" BS. The project will be completed from Poyntz to El Paso Ln along 6th St in Manhattan,KS The work is necessary because KGS will be in conflict with a new storm sewer project that the City of Manhattan will be installing.	3760	\$ 152,514	City of Manhattan



Line Number	Qualification	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition	Govt Entity
						To: install 1955' of 6" PE, 600' of 8" FBE Coated Steel and 1000' of 2" PE. Retire: 2064' of 6" BS, 465' of 8" BS and 1000' of 2" BS. The project will be completed from Poyntz to El Paso Ln along 6th St in Manhattan,KS The work is necessary because KGS will be in conflict with a new storm sewer project that the City of Manhattan will be installing.			
106	Public Improvement	7/27/2021	3651	055	010134		3765	\$ 230,825	City of Manhattan
107	Public Improvement	7/27/2021	3651	055	010134	To: install 1955' of 6" PE, 600' of 8" FBE Coated Steel and 1000' of 2" PE. Retire: 2064' of 6" BS, 465' of 8" BS and 1000' of 2" BS. The project will be completed from Poyntz to El Paso Ln along 6th St in Manhattan,KS The work is necessary because KGS will be in conflict with a new storm sewer project that the City of Manhattan will be installing.	3769	\$ 1,556	City of Manhattan
108	Public Improvement	7/27/2021	3651	055	010134	To: install 1955' of 6" PE, 600' of 8" FBE Coated Steel and 1000' of 2" PE. Retire: 2064' of 6" BS, 465' of 8" BS and 1000' of 2" BS. The project will be completed from Poyntz to El Paso Ln along 6th St in Manhattan,KS The work is necessary because KGS will be in conflict with a new storm sewer project that the City of Manhattan will be installing.	3800	\$ 27,280	City of Manhattan
109	Public Improvement	4/4/2022	3651	055	010161	Public Works - 900 N Manhattan Ave, Manhattan, KS - To Install: 45-feet 8-inch CS To Retire: 40-feet 8-inch CS and 360-feet 2-inch CS. This project is a main relocation project due to a conflict existing concerning a proposed city storm sewer plan that will be constructed directly in the path 8-inch KGS main	3765	\$ 54,649	City of Manhattan
110	Public Improvement	11/30/2021	3651	055	010162	Public Works - 1700 Leavenworth ST, Manhattan, KS - To Install: 440-feet2-inch PE To Retire: 291-feet2-inch CS, 149-feet 2-inch BS. This project is a main relocation project due to an existing conflict concerning proposed storm sewer improvements that will be in conflict with existing 2-inch CS KGS main.	3760	\$ 38,453	City of Manhattan
111	Public Improvement	10/15/2021	3651	055	010165	8685 US-24 HWY, Manhattan, KS To Install: 72-feet 2-inch PE To Retire: 160-feet 2-inch CS and 62-feet 2-inch PE. RM project: This project is a main relocation project along the newly constructed Bankers Dr near the intersection of Bankers Dr and Farmers Rd in Manhattan, KS. This project will relocate 62-feet 2-inch PE main that is in conflict with current storm sewer construction along Bankers Dr.	3760	\$ 1,584	City of Manhattan
112	Public Improvement	10/4/2021	3651	055	010166	Public Works - Fort Riley Blvd and Richards Dr - Next to Fort Riley Blvd bridge over Wildcat Creek Install: 30ft of 2in CS Retire: 20ft of 2in CS. Work order for a retaining wall that is actively being constructed over our 2in APCS HPD main on the south side of Fort Riley Blvd. 20ft of the main must be lowered by at least 2.5ft.	3765	\$ 2,245	City of Manhattan
113	Public Improvement	3/15/2022	3651	055	010167	Public Works - 2056TH ST, Junction City, KS - To Install: 200-feet 6-inch CS. To Retire: 195-feet 6-inch CS. This project is a road move project to eliminate conflict with proposed storm sewer installation in conjunction with KA-3952-01 near the intersection of N Franklin ST and E 6TH ST in Junction City, KS.	3765	\$ 66,472	City of Junction City
114	Public Improvement	11/30/2021	3651	055	010168	600 Balderson Blvd, Wamego, KS. To Install: 430-feet 4-inch PE. To Retire: 420-feet 3-inch CS and 10-feet 4-inch PERM project: This project is a main relocation project along the current road project at the intersection of Balderson Ave and Military Trail Rd in Wamego, KS.	3760	\$ 9,559	City of Wamego
115	Public Improvement	5/16/2022	3651	055	010171	101 Valley Rd, Wamego, KS. To Install: 230-feet 4-inch PE, 5-feet 2-inch PE. To Retire: 210-feet4-inch PE, 15-feet 2-inch PERM project: This project is a main relocation project along the current road project at theintersection of Balderson Ave and Valley Rd in Wamego, KS.	3760	\$ 18,991	City of Wamego
116	Public Improvement	9/21/2021	3653	055	010039	Public Works - College & B St, Washington, KS - Install: 450 ft of 4" PE, 850 ft of 2" PE, and 100 ft of 2" CS. Retire: 1000 ft of 2" BS and 650 ft of 2" CS. The city of Washington is replacing the existing RCB crossing at College and B St. Our mains are in conflict in both the Northwest and Southeast corners of the intersection and will need relocated.	3760	\$ 72,939	City of Washington
117	Public Improvement	9/21/2021	3653	055	010039	Public Works - College & B St, Washington, KS - Install: 450 ft of 4" PE, 850 ft of 2" PE, and 100 ft of 2" CS. Retire: 1000 ft of 2" BS and 650 ft of 2" CS. The city of Washington is replacing the existing RCB crossing at College and B St. Our mains are in conflict in both the Northwest and Southeast corners of the intersection and will need relocated.	3800	\$ 18,147	City of Washington
118	Public Improvement	5/16/2022	3653	055	010042	Public Works - 301 E 6TH ST, Washington, KS - To Install: 110-feet 2-inch PE To Retire: 110-feet 2-inch PE. This project is a main relocation project due to a conflict existing concerning a proposed KDOT construction and city storm sewer plan that will be constructed to be in conflict with KGS main crossing A ST in Washington, KS.	3760	\$ 9,358	City of Washington
119	Public Improvement	3/23/2022	3684	045	010001	Public Improvement - 370th Rd & Remington Rd, Ramona - Retire 88' of 4" CS transmission pipe in conflict with Marion County's installation of a 24" corrugated metal drain pipe project near the above intersection. Relocate and lower 90' of 4" CS transmission pipe.	3670	\$ 40,744	Marion County
120	Public Improvement	7/27/2021	3721	055	010530	PE Main Relocation - N. Jackson Heights St & Brentmoor Ln, Wichita - Retire 20' of 2" PE main in conflict with the City of Wichita's plans to fix drainage issues prior to the completion of the new Jackson Heights development. Install and lower 20' of 2" PE main. In preparation for the Jackson Heights development, the City of Wichita is addressing existing water drainage issues by having a 30" storm drain constructed acrossN. Jackson Heights St. The proposed location is in conflict our 2" PE main. This work will lower and install approximately 20' of 2" PE main to a depth of 72" from the existing grade.	3760	\$ 2,953	City of Wichita
121	Public Improvement	11/30/2021	3721	055	010534	Public Works - This project will replace 620' 6" RPCS' & 721' 6" RPBS as well as 644' 2" RPCS & 501' 2" PE with new 6" RPCS & 2" PE in Park City. This project is due to a KDOT project which is placing a roundabout at the intersection of 61st St. N. & Broadway, as well as updating the storm drains & sanitary sewer within the project limits. A steel valve bridal will be relocated as well.	3760	\$ 69,730	Kansas Department of Transportation
122	Public Improvement	11/30/2021	3721	055	010534	Public Works - This project will replace 620' 6" RPCS' & 721' 6" RPBS as well as 644' 2" RPCS & 501' 2" PE with new 6" RPCS & 2" PE in Park City. This project is due to a KDOT project which is placing a roundabout at the intersection of 61st St. N. & Broadway, as well as updating the storm drains & sanitary sewer within the project limits. A steel valve bridal will be relocated as well.	3765	\$ 257,534	Kansas Department of Transportation
123	Public Improvement	11/30/2021	3721	055	010534	Public Works - This project will replace 620' 6" RPCS' & 721' 6" RPBS as well as 644' 2" RPCS & 501' 2" PE with new 6" RPCS & 2" PE in Park City. This project is due to a KDOT project which is placing a roundabout at the intersection of 61st St. N. & Broadway, as well as updating the storm drains & sanitary sewer within the project limits. A steel valve bridal will be relocated as well.	3800	\$ 29,724	Kansas Department of Transportation
124	Public Improvement	7/27/2021	3721	055	010536	Public Improvement - Windward Dr. & S Kansas Ave, Newton - Retire and relocate 650' of 4" PE main in conflict with The City of Newton's new street installation for Wheatridge Dr. Install 650' of 4" PE main. The city of Newton will be installing a new Wheatridge drive that will connect Windward Dr. and S Kansas Ave. This new construction will put our main in conflict at two separate locations. The west side will install 200' of 4" PE to relocate 180' of 4" PE out of the way of the new roundabout. The east side will install 450' of 4" PE to move the main out of the way of the new intersection.	3760	\$ 55,259	City of Newton
125	Public Improvement	7/27/2021	3721	055	010542	Public Improvement - Anna & Esthner, Wichita - Retire 30' of 2" PE main in conflict with The City of Wichita plans to install new storm water pipe. Install 30' of 2" PE main.The city of Wichita is installing new SS along S Anna St. and connecting to the existing SS system along Esthner. This connection will conflict with the current KGS 2" PE gas main along the south side of Esthner.	3760	\$ 8,134	City of Wichita
126	Public Improvement	7/27/2021	3721	055	010542	Public Improvement - Anna & Esthner, Wichita - Retire 30' of 2" PE main in conflict with The City of Wichita plans to install new storm water pipe. Install 30' of 2" PE main.The city of Wichita is installing new SS along S Anna St. and connecting to the existing SS system along Esthner. This connection will conflict with the current KGS 2" PE gas main along the south side of Esthner.	3800	\$ 6,609	City of Wichita
127	Public Improvement	6/29/2022	3721	055	010550	Public Improvement - Patriot & Commerce, Derby - Retire 50' of 4" PE in conflict with a new storm drain during The City of Derby's K-15 & Patriot Ave Right Turn Lane Improvement project. Relocate and install 50' of 4" PE main.	3760	\$ 4,778	City of Derby
128	Public Improvement	2/28/2022	3721	055	010551	BS Main Replacement/Public Improvement - 13th & Main, Andover - Retire417' 4" APCS & 194' 6" APBS main in conflict with the bridge demolition by The City of Andover. Install 100' of 4" PE main.The city of Andover is having the Main St. bridge demolished that currently goes over the I-35, just North of 13th St. and we have an active gas line hanging on the underside of the bridge. After discussions with the design firm and analysis with Synergi, it was decided to tie over the 4" APCS to the 6" APCS further East, North and South of the KTA itself.	3760	\$ 17,113	City of Andover
129	Public Improvement	2/28/2022	3721	055	010551	BS Main Replacement/Public Improvement - 13th & Main, Andover - Retire417' 4" APCS & 194' 6" APBS main in conflict with the bridge demolition by The City of Andover. Install 100' of 4" PE main.The city of Andover is having the Main St. bridge demolished that currently goes over the I-35, just North of 13th St. and we have an active gas line hanging on the underside of the bridge. After discussions with the design firm and analysis with Synergi, it was decided to tie over the 4" APCS to the 6" APCS further East, North and South of the KTA itself.	3769	\$ 4,670	City of Andover
130	Public Improvement	2/28/2022	3721	055	010551	BS Main Replacement/Public Improvement - 13th & Main, Andover - Retire417' 4" APCS & 194' 6" APBS main in conflict with the bridge demolition by The City of Andover. Install 100' of 4" PE main.The city of Andover is having the Main St. bridge demolished that currently goes over the I-35, just North of 13th St. and we have an active gas line hanging on the underside of the bridge. After discussions with the design firm and analysis with Synergi, it was decided to tie over the 4" APCS to the 6" APCS further East, North and South of the KTA itself.	3800	\$ 262	City of Andover
131	Public Improvement	12/2/2021	3721	055	010552	Public Improvement - 6623 S Osage Ct, Haysville - Retire 20' of 2" PE main in conflict with new storm sewer pipe as part of the City of Haysville's Paving and Incidental Drainage Improvements to Serve Sunset Fields project. Install and lower 20' of 2" PE main.	3760	\$ 1,684	City of Haysville
132	Public Improvement	6/29/2022	3721	055	010553	This work order will replace 2,900' of 4" CS with 2,450' of 6" PE to lower the existing main to avoid conflicts with the new storm sewer system being constructed by the City of Andover. 11 services will be affected with 3 of those being full replacements.	3760	\$ 427,316	City of Andover
133	Public Improvement	6/29/2022	3721	055	010553	This work order will replace 2,900' of 4" CS with 2,450' of 6" PE to lower the existing main to avoid conflicts with the new storm sewer system being constructed by the City of Andover. 11 services will be affected with 3 of those being full replacements.	3765	\$ 9,994	City of Andover
134	Public Improvement	6/29/2022	3721	055	010553	This work order will replace 2,900' of 4" CS with 2,450' of 6" PE to lower the existing main to avoid conflicts with the new storm sewer system being constructed by the City of Andover. 11 services will be affected with 3 of those being full replacements.	3800	\$ 26,362	City of Andover
135	Public Improvement	1/4/2022	3721	055	010554	Public Improvement - 912 W Summey, Haysville - Retire 40' of 2" PE main in conflict with a new storm inlet during The City of Haysville Paving and Incidental Drainage Improvements to Serve Sunset Fields project. Install and relocate 40' of 2" PE main.	3760	\$ 2,018	City of Haysville
136	Public Improvement	1/4/2022	3721	055	010554	Public Improvement - 912 W Summey, Haysville - Retire 40' of 2" PE main in conflict with a new storm inlet during The City of Haysville Paving and Incidental Drainage Improvements to Serve Sunset Fields project. Install and relocate 40' of 2" PE main.	3800	\$ 123	City of Haysville
137	Public Improvement	6/16/2022	3721	055	010555	Public Improvement - 77th & Broadway, Park City - Retire 2,360' 8" & 4900' 6" APCS main in conflict with grade cuts and storms drains. Relocate and install 2320' 8" APCS & 4740' 6" APCS main.	3765	\$ 1,067,511	City of Park City
138	Public Improvement	6/16/2022	3721	055	010555	Public Improvement - 77th & Broadway, Park City - Retire 2,360' 8" & 4900' 6" APCS main in conflict with grade cuts and storms drains. Relocate and install 2320' 8" APCS & 4740' 6" APCS main.	3800	\$ 67,349	City of Park City
139	Public Improvement	6/16/2022	3721	055	010555	Public Improvement - 77th & Broadway, Park City - Retire 2,360' 8" & 4900' 6" APCS main in conflict with grade cuts and storms drains. Relocate and install 2320' 8" APCS & 4740' 6" APCS main.	3805	\$ 17,950	City of Park City



Line Number	Qualification	Unitization Date	Cost Center	Function	Job Order	Description	FERC	Addition	Govt Entity
140	Public Improvement	6/16/2022	3721	055	010555	Public Improvement - 77th & Broadway, Park City - Retire 2,360' 8" & 4900' 6" APCS main in conflict with grade cuts and storms drains. Relocate and install 2320' 8" APCS & 4740' 6" APCS main.	3820	\$ 1,388	City of Park City
141	Public Improvement	6/16/2022	3721	055	010555	Public Improvement - 77th & Broadway, Park City - Retire 2,360' 8" & 4900' 6" APCS main in conflict with grade cuts and storms drains. Relocate and install 2320' 8" APCS & 4740' 6" APCS main.	3830	\$ 8,304	City of Park City
142	Public Improvement	5/18/2022	3721	055	010556	Public Improvement - 159th Kellogg to Central, Andover - Retire 470' 4" PE, 505' 2" PE, 110' 6" PE and 75' 6" CS main in conflict with new curb and gutter and storm sewer during The City of Andover's 159th Street improvement US-54/400 Kellogg to Central project. Install 420' 4" PE and 640' 2" PE main.	3760	\$ 98,576	City of Andover
143	Public Improvement	5/18/2022	3721	055	010556	Public Improvement - 159th Kellogg to Central, Andover - Retire 470' 4" PE, 505' 2" PE, 110' 6" PE and 75' 6" CS main in conflict with new curb and gutter and storm sewer during The City of Andover's 159th Street improvement US-54/400 Kellogg to Central project. Install 420' 4" PE and 640' 2" PE main.	3800	\$ 10,289	City of Andover
144	Public Improvement	6/20/2022	3721	055	010557	Public Improvement - West St & University, Wichita - Retire 600' of 10" RPBS and 140' of 8" RPCS main in conflict with grade cuts for drainage work during The City of Wichita's Storm Water Sewer at West & University project. Relocate and install 700' of 8" RPCS main	3765	\$ 171,752	City of Wichita
145	Public Improvement	10/26/2021	3741	055	010063	Public Improvement - 7th & Fort Scott, Conway Springs - Retire 30' of 3" CS main in conflict with a replacement manhole. Install 30' of 2" CS main. Engineering was contacted on 8/17 about a conflict with a replacement manhole that's being installed in the alley between 6th & 7th St., North of Fort Scott St. in Conway Springs. We have low pressure rectified 3" CS main there, so a pair of 3" 3-way tees will be needed, as well as 20-30 feet of 2" CS pipe.	3765	\$ 3,514	City of Conway Springs
146	Public Improvement	6/13/2022	3741	055	010064	Public Improvement - Maple & Summit, Arkansas City - Retire 730' of 4" RPBS main in conflict with grade cuts and new storm sewer during The City of Arkansas City Wilson Park Improvement projects. Install 730' of 4" RPBS and 20' of 2" PE main.	3760	\$ 88	City of Arkansas City
147	Public Improvement	6/13/2022	3741	055	010064	Public Improvement - Maple & Summit, Arkansas City - Retire 730' of 4" RPBS main in conflict with grade cuts and new storm sewer during The City of Arkansas City Wilson Park Improvement projects. Install 730' of 4" RPBS and 20' of 2" PE main.	3765	\$ 45,147	City of Arkansas City
148	Public Improvement	9/21/2021	3761	055	010096	Public Improvement - Walnut & Highschool Ave, Columbus - Retire: 434' of 2" APCS, 64' of 3" APCS, 573' of 4" APCS, 548' of 4" RPBS, 1,003' of 2" PE, 107' of 4" PE main in response to the City of Columbus road renovation project. Install: 1,325' of 2" PE, 1,505' of 4" PE, 150' of 4" RPBS main. Main relocation near Walnut St and High School Ave in Columbus KS. The project is in response to a City of Columbus road renovation project.	3760	\$ 213,876	City of Columbus
149	Public Improvement	9/21/2021	3761	055	010096	Public Improvement - Walnut & Highschool Ave, Columbus - Retire: 434' of 2" APCS, 64' of 3" APCS, 573' of 4" APCS, 548' of 4" RPBS, 1,003' of 2" PE, 107' of 4" PE main in response to the City of Columbus road renovation project. Install: 1,325' of 2" PE, 1,505' of 4" PE, 150' of 4" RPBS main. Main relocation near Walnut St and High School Ave in Columbus KS. The project is in response to a City of Columbus road renovation project.	3765	\$ 26,118	City of Columbus
150	Public Improvement	9/21/2021	3761	055	010096	Public Improvement - Walnut & Highschool Ave, Columbus - Retire: 434' of 2" APCS, 64' of 3" APCS, 573' of 4" APCS, 548' of 4" RPBS, 1,003' of 2" PE, 107' of 4" PE main in response to the City of Columbus road renovation project. Install: 1,325' of 2" PE, 1,505' of 4" PE, 150' of 4" RPBS main. Main relocation near Walnut St and High School Ave in Columbus KS. The project is in response to a City of Columbus road renovation project.	3769	\$ 418	City of Columbus
151	Public Improvement	9/21/2021	3761	055	010096	Public Improvement - Walnut & Highschool Ave, Columbus - Retire: 434' of 2" APCS, 64' of 3" APCS, 573' of 4" APCS, 548' of 4" RPBS, 1,003' of 2" PE, 107' of 4" PE main in response to the City of Columbus road renovation project. Install: 1,325' of 2" PE, 1,505' of 4" PE, 150' of 4" RPBS main. Main relocation near Walnut St and High School Ave in Columbus KS. The project is in response to a City of Columbus road renovation project.	3800	\$ 23,715	City of Columbus
152	Public Improvement	11/30/2021	3761	055	010097	Main Replacement - Columbus - High School Road and Oak Street - Install approximately 100' of 2" PE - Abandon approximately 5' of 2" APCS and 50' of 2" PE in conflict with The City of Columbus plans for construction at the above intersection.	3760	\$ 759	City of Columbus
153	Public Improvement	11/30/2021	3761	055	010097	Main Replacement - Columbus - High School Road and Oak Street - Install approximately 100' of 2" PE - Abandon approximately 5' of 2" APCS and 50' of 2" PE in conflict with The City of Columbus plans for construction at the above intersection.	3800	\$ 12	City of Columbus
154	Public Improvement	2/28/2022	3761	055	010098	Public Improvement - Canterbury Rd & 4th St, Pittsburg - Retire 120' of 4" APCS in conflict with grade cuts to install a new entrance to serve the Villas at Creekside in Pittsburg. Install 125' of 4" PE main.	3760	\$ 8,980	City of Pittsburg
155	Public Improvement	3/30/2022	3831	055	010044	Public Works - Welda - 1000 Road and Kauble Avenue - Install 280' of 2" PE - Abandon 275' of 2" RPBS. KDOT is needing to do some road work and in order to do so they need our gas main lowered. KGS Crews will tie into recently installed 2" PE that runs north and south along Kauble Avenue. KGS Crews will then travel east along 1000 Road for approximately 280' with 2" PE. Approximately the last 150' on the east end of this project will need to be 5' deep. The last two services on the east end will need to be lowered as well	3760	\$ 8,015	Kansas Department of Transportation
156	Public Improvement	3/30/2022	3831	055	010044	Public Works - Welda - 1000 Road and Kauble Avenue - Install 280' of 2" PE - Abandon 275' of 2" RPBS. KDOT is needing to do some road work and in order to do so they need our gas main lowered. KGS Crews will tie into recently installed 2" PE that runs north and south along Kauble Avenue. KGS Crews will then travel east along 1000 Road for approximately 280' with 2" PE. Approximately the last 150' on the east end of this project will need to be 5' deep. The last two services on the east end will need to be lowered as well	3800	\$ 1,773	Kansas Department of Transportation
<b>Grand Total</b>								<b>\$ 9,569,545</b>	

### Blanket Service Line Summary

Sum of Extended Costs		
Replacement Reason	July 2021 - June 2022	
	Cost	Line Installed
Routine Replacement - Leak - 192.703	\$ 1,182,665	384
Routine Replacement - Non Leaking Unprotected Pipe	\$ 24,973,626	8,217
Public Improvement	\$ 306,617	98
Grand Total	\$ 26,462,908	8,699

### Non Service Line Related Blanket Summary

Other Blanket Costs	July 2021 - June 2022
	Cost
Install Anodes	\$ 851,710
Weld sleeve high resist couplings	\$ 271,600
Meter Blanket	\$ 10,209,319
Total	\$ 11,332,628

**Line No.'s 1-16 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. 555 Project 051.053.3532.010064** Continuing Surveillance Project- Atchison County.

This project replaced 700' of 2" CS that was exposed in the Delaware River Crossing. The exposed crossing was discovered in 2021 and where there were no repaired or active leaks, the exposure presented a possible hooking problem when debris flow downriver in the spring.

**Line No. 556 Project 051.053.3532.010069** Continuing Surveillance Project- Doniphan County.

This project covers the replacement of 145' of shallow 2" CS with new 2" CS at proper depth. The pipe was reported as exposed and remained shallow the NW and SW corner of the property. Project location was at 109 W Missouri St in Highland, KS.

**Line No. 557 Project 051.053.3533.010090** Continuing Surveillance Project- Jefferson County.

This project replaced 700' of exposed 4" CS along Nemaha Rd with new 4" CS installed at proper depth. Project location was at 142nd St & Nemaha Rd, Valley Falls, KS

**Line No.'s 558-560 Project 051.053.3653.010109** Continuing Surveillance Project – Clay County

This project replaced approximately 165' of 2" CS with 2" PE in to eliminate a temporarily repaired leaking coupling located at 1004 12<sup>th</sup> St in Clay Center. The leaking coupling was temporarily repaired via tightening the fitting.

**Line No.'s 561-563 Project 051.046.3612.010123** Continuing Surveillance Project – Clay County

This project installed pig launching equipment to facilitate ongoing internal inspection and cleaning operations. The project location was at roughly mile post 193.2 on KGS transmission line P1217.

**Line No. 564 Project 051.043.3685.010135** Continuing Surveillance Project – Stafford County

This project replaced an antiquated trans-distribution regulator station which did not have good documentation available with a modern regulator station with proper documentation. The location of this project was mile post 2.5 on KGS transmission line P0297.

**Line No.'s 565-566 Project 051.053.3641.010147** Continuing Surveillance Project- Saline County.

This project replaced approximately 70' of exposed 1.25" CS main with new 2" PE between 326 Seitz Dr and 332 Seitz Dr in Salina.

**Line No.'s 567-568 Project 051.044.3685.010148** Continuing Surveillance Project- Edwards County.

This project is to survey approximately 6 miles for proposed replacement of Line P0843. Job order will include exhibit drawings for ROW purchase/exchange, and route drawings. This JO will also cover costs for purchase/exchange of ROW and permitting required to begin construction.

**Line No.'s 569-571 Project 051.044.3685.010149** Continuing Surveillance Project- Edwards County.

This project is the third phase of the replacement of line P0843 and replaced 6 miles of 8" bare and coated steel transmission line with insufficient MAOP documentation, internal corrosion, and debris build-up. The coal tar coating has shown to be poorly bonded in places from various visual inspections and due to the large amount of current required from the rectifiers in the area. Large sections of this

line are made from Grandfathered pipe and are classified as non-TVC due to a lack of grade and longitudinal seam information. This line has a record of leaks that have resulted in weld repairs and short replacements. Of the 27 available leak reports for the full 10-mile section (partially replaced in Phase II)

**Line No.'s 572-573 Project 051.053.3621.010152** Continuing Surveillance Project- Stafford County.

A segment of acquired main and an unused, above ground odorant hairpin near Grant and Ave A in Macksville were located in a thick grove of trees and appliance junk yard making the eventual leak near impossible to expose and repair. 113' of 4" RPCS main and 478' of 2" RPCS main were replaced and relocated with 725' of 4" RPCS.

**Line No.'s 574-575 Project 051.044.3685.010156** Continuing Surveillance Project- Pratt County.

This project replaced all of line P0623 from St 0+06 to St 53+77. Survey, permitting, and alignment drawings as well as the construction work were accomplished on this job. Line P0623 originally came to attention due to shallow pipe in cultivated ground. The line was initially planned to be lowered in service due to being the sole feed to the town of Pratt however during research and planning it was found that there are not sufficient material records for establishing MAOP. Replacing this line ensured accurate and complete TVC records, and new FBE pipe of adequate depth which reduced the possibility of a line strike.

**Line No. 576 Project 051.053.3521.010180** Continuing Surveillance Project – Franklin County

This project replaced roughly 200' of 2" PE with new 2" PE to replace a segment of pipeline that was struck by lightning and produced a leak. The location of this project was in the area of the intersection of 9<sup>th</sup> and Locust in Ottawa, KS.

**Line No.'s 577-578 Project 051.053.3641.010182** Continuing Surveillance Project – Saline County

The main located between 4<sup>th</sup> and 5<sup>th</sup> from Walnut to Iron in Salina, KS was found to be unlocatable and therefore at risk of being hit by a 3<sup>rd</sup> party excavator. This project replaced the unlocatable main consisting of roughly 400' of 2" CS and 200' of 2" PE with new locatable 2" PE main.

**Line No. 579 Project 051.054.3621.010310** Continuing Surveillance Project- Barton County.

This project replaced approximately 1,088' of leaking yard line with 500' of 1.25" PE SL located at 1438 24<sup>th</sup> St in Great Bend, KS. The leak was found on the transition fitting between the 2" PE portion of the yard line and the UPCS portion of the yard line.

**Line No. 580 Project 051.054.3521.010180** Continuing Surveillance Project – Barton County

The PVC main located along NW 30<sup>th</sup> Ave north of Barton Rd in Great Bend, KS was found to be unlocatable and therefore at risk of being hit by a 3<sup>rd</sup> party excavator. This project replaced the unlocatable main consisting of roughly 550' of 2" PVC with new locatable PE main.

**Line No.'s 581 Project 051.054.3761.010326** Continuing Surveillance Project- Bourbon County.

This project replaced approximately 6' of 2" RPCS with 2" RPCS to eliminate a leak that could not be encapsulated with a reinforcing sleeve due to nearby fittings. The project was located at 201 E 23<sup>rd</sup> St in Fort Scott, KS.

**Line No. 582 Project 051.054.3761.010335** Continuing Surveillance Project- Crawford County.

This project replaced approximately 5' of 2" RPCS main with 5' of 2" PE main to eliminate a leaking segment of pipe that was unable to be encapsulated with a reinforcing sleeve due to nearby fittings. The project was located at 701 ½ E Washington St in Arma, KS.

**Line No.'s 583-584 Project 051.054.3761.010337** Continuing Surveillance Project- Crawford County.

This project replaced approximately 40' of 3" RPCS and 10' of 2" PE with new 3" RPCS and 2" PE to eliminate a leaking mechanical coupling that could not be encapsulated with a reinforcing sleeve due to nearby fittings. The project was located at 212 E Saint John in Girard, KS.

**Line No. 585 Project 051.044.3612.010375** Continuing Surveillance Project-Dickinson County.

This project is to survey approximately 800' for proposed replacement of Line P2004. Job order will include exhibit drawings for ROW purchase/exchange, route drawings, and profiles of all directionally bored. This job order will also cover costs for purchase/exchange of ROW and permitting required to begin construction.

**Line No.'s 586-587 Project 051.044.3612.010377** Continuing Surveillance Project- Dickinson County.

This project replaced approximately 900' of Line P2004 for the purpose of eliminating a shorted casing that has been monitored quarterly and tested annually since 2015. At this location there is a high-water table which is most likely causing an electrolytic short. Given the high volume of traffic across I-70 highway, it was prudent to eliminate the shorted casing to reduce the risk of potential leaks.

**Line No.'s 588-589 Project 051.054.3641.010400** Continuing Surveillance Project- Saline County.

This project replaced roughly 200' of 4" high pressure distribution, RPCS main with 200' of 4" RPCS main to eliminate a shorted casing thereby reducing the chances of a corrosion leak in the future. The project location was 704 E North St in Salina, KS.

**Line No.'s 590-591 Project 051.054.3631.010411** Continuing Surveillance Project – Reno County

This project replaced 93' of 1" rectifier protected coated steel service line with a 1<sup>st</sup> cut regulator at the property line with a 100', 1.25" PE SL downstream of the 1<sup>st</sup> cut regulator. This project was undertaken because the original service line tap started leaking. The 1<sup>st</sup> cut regulator was moved to the property line so the higher pressure main was not up next to the building foundation. This project was located at 311 S Kirby St in Hutchinson, KS.

**Line No. 592 Project 051.053.3541.010428** Continuing Surveillance Project- Shawnee County.

This project replaced 30' of exposed 2" PE with new 2" PE. The exposed pipe was found in the creek near 5943 NE Trenton, Topeka, Kansas and presented a hooking problem as debris flow downriver.

**Line No.'s 593-594 Project 051.054.3541.010708** Continuing Surveillance Project- Shawnee County.

This project replaced roughly 20' of 4" CS with new 4" CS in order to eliminate a leaking fitting at SW Fairlawn and SW 19<sup>th</sup> Ter in Topeka, KS that could not be permanently repaired via a reinforcing sleeve.

**Line No. 595 Project 051.054.3541.010714** Continuing Surveillance Project- Shawnee County.

This project replaced roughly 10' of 2" CS with new 2" CS to eliminate a leaking tap that could not be encapsulated with a reinforcing sleeve. The leaking tap was found at 2732 SE Michigan Ave, Topeka, KS

**Line No. 596 Project 051.054.3541.010715** Continuing Surveillance Project- Shawnee County.

This project replaced roughly 10' of 4" CS with new 4" CS to eliminate a leaking fitting that could not be encapsulated with a reinforcing sleeve. The leaking fitting was found at 1700 SW Fairlawn, Topeka KS

**Line No. 597 Project 051.054.3541.010728** Continuing Surveillance Project- Shawnee County.

This project retired roughly 110' of 6" RPCS and 497' of 10" RPCS in the area of 7215 SW Blvd in Topeka, KS and installed 410' of 4" PE to eliminate a leaking above ground valve loop and a RR crossing. Severe corrosion was found in 2017 and an unrepairable leak was found in 2019.

**Line No.'s 598-599 Project 051.054.3522.011573** Continuing Surveillance Project- Johnson County.

This project replaced a roughly 475' segment of 2" PE main which had been washed out and exposed in a creek causing a hooking concern as debris had been accumulating around the pipeline. The line was replaced with new 2" PE near 151st and Conser in Overland Park, KS.

**Line No. 600 Project 051.054.3522.011589** Continuing Surveillance Project- Johnson County.

The main located at 10108 W 96<sup>th</sup> St in Overland Park, KS was found to be only 6" deep after KGS responded to a leak on the pipe. This project replaced roughly 50' of the shallow 2" CS pipe with new 2" PE pipe.

**Line No. 601 Project 051.054.3522.011620** Continuing Surveillance Project- Wyandotte County

This project retired approximately 6' of 6" coated steel main with new 6" coated steel main in order to eliminate a leaking coupling. This project was located at 1801 N 9<sup>th</sup> St in Kansas City, KS.

**Line No. 602 Project 051.054.3522.011630** Continuing Surveillance Project- Johnson County.

This project replaced roughly 7' of 2" CS with new 2" CS in order to eliminate an obsolete 2" stop that was uncovered near 9700 Riggs St in Overland Park.

**Line No. 603 Project 051.054.3522.011640** Continuing Surveillance Project- Johnson County

Retire 10' of 3" BS main with 20' of CS main to permanently repair a corrosion leak located at 6738 El Monte St in Prairie Village, KS.

**Line No.'s 604-605 Project 051.054.3721.012554** Continuing Surveillance Project- Sedgwick County.

This project replaced 98' of 4" RPCS, 150' of 4" RPBS, and 50' of 2" RPBS main exposed in drainage canal causing hooking concerns as debris flow downriver. The retired main was replaced with 340' of 6" CS at proper depth. The project location was 35<sup>th</sup> and Glen in Wichita, KS.

**Line No.'s 606-607 Project 051.054.3721.012568** Continuing Surveillance Project- Sedgwick County.

This project replaced approximately 20' of 2" RPCS with 20' of 4" RPCS main to eliminate a leaking mechanical coupling located at 1827 W Greenfield in Wichita, KS. The leaking dresser coupling was originally tightened to stop the leak, but nearby fittings prevented a permanent repair via a reinforcing sleeve.

**Line No.'s 608-609 Project 051.054.3721.012575** Continuing Surveillance Project- Sedgwick County.

This project replaced approximately 250' of 3" APCS main with 250' of 4" PE to eliminate a leak. The exact location of the leak was difficult to find due to the presence of multiple fitting on the leaking main segment and the low pressure in the system. The project location was at Harry and Topeka in Wichita, KS.

**Line No. 610 Project 051.054.3721.012576** Continuing Surveillance Project- Sedgwick County.

This project replaced approximately 10' of 2" RPCS with 10' of 2" PE main to eliminate a leaking mechanical coupling located at 5228 N Primrose in Wichita, KS. The leaking dresser coupling was originally tightened to stop the leak, but nearby fittings prevented a permanent repair via a reinforcing sleeve.

**Line No.'s 611-612 Project 051.054.3721.012611** Continuing Surveillance Project- Sedgwick County.

This project replaced approximately 80' of 2" RPCS with 2" PE main to eliminate a leaking mechanical coupling located at 2667 N Volutsia in Wichita, KS. The leaking dresser coupling was originally tightened to stop the leak, but nearby fittings prevented a permanent repair via a reinforcing sleeve.

**Line No.'s 613-615 Project 051.054.3721.012625** Continuing Surveillance Project – Sedgwick County.

Retire 20' of 2" APCS main due to leaking coupling on existing main segment. Install 20' of 2" PE main.

**Line No.'s 616-618 Project 051.054.3721.012628** Continuing Surveillance Project- Sedgwick County.

This project replaced approximately 145' of 2" RPBS, 135' of 2" RPCS, and 185' of 1.25" CS main with 425' of 2" PE to eliminate a leaking segment of main which also was found to have poor coating. The project was located at 1610 E 2<sup>nd</sup> in Newton, KS.

**Line No.'s 619-621 Project 051.054.3721.012671** Continuing Surveillance Project- Sedgwick County.

This project replaced approximately 25' of 4" APCS with 4" PE main to eliminate a leaking mechanical coupling located at 309 S Elizabeth St in Wichita, KS. The leaking dresser coupling was originally tightened to stop the leak, but nearby fittings prevented a permanent repair via a reinforcing sleeve.



In the Matter of the Application of Kansas Gas    )  
Service, A Division of ONE Gas, Inc. for        )  
Approval By The Commission for a Gas System    ) DOCKET NO. 23-KGSG-\_\_\_\_-TAR  
Reliability       Surcharge       per       K.S.A.    )  
66-2201 through 66-2204.                        )

**DIRECT TESTIMONY**  
  
**OF**  
  
**NIYO LITTLE THUNDER PEARSON, SR.**  
  
**ON BEHALF OF**  
  
**KANSAS GAS SERVICE**  
  
**A DIVISION OF ONE GAS, INC.**

**AUGUST 26, 2022**

**DIRECT TESTIMONY**  
**OF**  
**NIYO LITTLE THUNDER PEARSON, SR.**  
**KANSAS GAS SERVICE**  
**DOCKET NO. 23-KGSG-\_\_\_\_-TAR**

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

2   A.     My name is Niyo Little Thunder Pearson, Sr. and my business address is 15th East  
3           Fifth 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” or “Company”) and I am a Cybersecurity  
6           Consultant.

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

9   A.     My educational background centers on specialized security certificates. I am an ISC2  
10          Certified Information Systems Security Professional (obtained in 2016) as well as an  
11          ISC2 Certified Cloud Security Professional (obtained in 2017).

12          My business experience has spanned over 20 years in both security and technology.  
13          I was hired by ONEOK, Inc. (“ONEOK”) in 2013, a year prior to the announcement of  
14          the separation of ONEOK and ONE Gas. Prior to being hired at ONEOK, I was the  
15          Sr. Incident Responder and a Technical Lead for American Express in their Security  
16          Operations Center. My concentrations are: incident response, cyber operations,  
17          cybersecurity architecture and Supervisory Control and Data Acquisition (“SCADA”) /  
18          Operational Technology (“OT”) security operations for ONE Gas. I help lead national

1 efforts in the security maturity and protection of embedded systems used within critical  
2 infrastructure, specifically oil, natural gas, water and wastewater management.

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

4 A. Yes. I provided written testimony in Docket Nos. 20-KGSG-090-TAR, 21-KGSG-094-  
5 TAR, and 22-KGSG-112-TAR.

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

7 A. The purpose of my testimony is to support the eligibility of cybersecurity investments  
8 in Kansas Gas Service, a division of ONE Gas' ("KGS") proposed Gas System  
9 Reliability Surcharge ("GSRS").

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

11 A. Yes. I am sponsoring exhibit NLP-1.

12 **Q. CAN YOU PROVIDE SOME BACKGROUND INFORMATION REGARDING**  
13 **INCLUDING CYBER SECURITY PROJECTS IN THE KGS' GSRS?**

14 A. In 2018, Senate Bill 279 amended the Gas Safety and Reliability Policy Act, K.S.A.  
15 66-2201 through 66-2204. In addition to other changes, Senate Bill 279 added  
16 "system security costs" as a type of infrastructure investment eligible for recovery using  
17 a GSRS. Specifically, this category of "natural gas utility plant projects" eligible for  
18 recovery through a GSRS was codified in K.S.A. 66-2202(f)(4). In addition, K.S.A. 66-  
19 2202(i) defines "system security" as:

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

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

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

3 **Q. CAN YOU PLEASE EXPLAIN WHAT IS MEANT BY CYBER SECURITY**  
4 **INVESTMENTS?**

5 A. Cyber security investments are capital expenditures that are used on software or  
6 technology platforms that provide security control. These security controls have been  
7 procured to reduce or eliminate a security gap or to reduce or augment cybersecurity  
8 staffing requirements. As used in this testimony, all cyber security investments provide  
9 security control for either the natural gas Supervisory Control and Data Acquisition  
10 ("SCADA") gas control network, or the Industrial Control System ("ICS") electronic  
11 systems that are operated on the natural gas pipelines.

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

13 A. Yes, I am sponsoring Job Orders: 10131, 10094, 10101, and 10104. For reference,  
14 the ordering of Job Orders in my testimony is designed to mirror the order presented  
15 in exhibit NLP-1.

16 **Q. PLEASE DISCUSS JOB ORDER 10131.**

17 A. Job order 10131 converts a vulnerable and unencrypted KGS radio peer-to-peer  
18 communication system to an enterprise encrypted private cellular network across the  
19 KGS transmission system. Replacing the radio network provides better security by  
20 protecting critical communication from passive radio traffic manipulation or disruption  
21 of radio frequency from a unauthorized source. In fact, the Transportation Security  
22 Administration ("TSA") has advised utilities companies to reinforce their own networks.

23 **Q. CAN YOU BRIEFLY EXPAND ON THE TSA'S REQUIREMENTS?**

24 A. Yes. The TSA Security Directives were released in July 2021 and advised utility  
25 companies to strengthen Information Technology ("IT") and cybersecurity systems so

1           they are protected against geopolitical adversaries who target US critical  
2           infrastructure. The upgrade contained in Job Order 10131 was implemented to meet  
3           the TSA's Security Directive and its deadlines.

4   **Q.     PLEASE DISCUSS JOB ORDER 10094.**

5   A.     Job order 10094 replaced aging network security equipment in the two data centers  
6           for the Company. These data centers also house the three ONE Gas Divisions' Gas  
7           Control networks and traffic flow. Due to the lack of vendor support and patching due  
8           to the End of Life status, the core network infrastructure was vulnerable to nation state  
9           cyber-attacks. Again, this upgrade was implemented in response to the TSA Security  
10          Directives released in July 2021 and to meet the TSA deadlines for the Security  
11          Directive regarding IT and Operational Technology ("OT") patching requirements.

12   **Q.     PLEASE DISCUSS JOB ORDER 10101.**

13   A.     Job order 10101 replaced a subset of non-standard, End of Life and unsupported  
14          modems in the ONE Gas Divisions' natural gas field sites that did not match the current  
15          standard of enterprise grade and cybersecurity hardened communication devices. Like  
16          Job Order 10131, Job Order 10101 was implemented to meet the requirements of the  
17          aforementioned TSA Security Directives and the TSA deadlines for the Security  
18          Directive regarding Operational Technology ("OT") patching requirements.

19   **Q.     PLEASE DISCUSS JOB ORDER 10104.**

20   A.     Job order 10104 replaced the bulk server and storage environment located at a ONE  
21          Gas facility. This environment houses the Physical Security's Security Operation  
22          Center's video and access control streams, audit trail and logs. These are highly  
23          guarded and critical systems that, by design, put intensive load on the server and  
24          storage systems that are tied into the Physical Security central management  
25          infrastructure. The upgrade was required and necessary to provide additional

1 performance and expansion needed due to video surveillance and access control  
2 upgrades being done both in the natural gas field sites and Division services centers  
3 as a part of a Plan of Actions and Milestones/Mitigations ("POAM"). The POAM is tied  
4 to our contractual obligation to the military installations we provide service to under the  
5 Department of Defense ("DoD") Defense Federal Acquisition Regulation Supplement  
6 ("DFARS") regulation 252.204-7012

7 .

8 **Q. ARE ALL COSTS RELATED TO THESE SECURITY PROJECTS BEING INCLUDED**  
9 **FOR RECOVERY?**

10 A. No. The GSRS legislation, K.S.A 66-2202(f)(4), allows for the recovery of corporate  
11 allocated system security costs. Job Orders 10094, 10101, and 10104 are  
12 investments at the corporate level, KGS only included in this filing the amount of  
13 investment that was allocated to KGS. Job Order 10131 replaced KGS's peer-to-peer  
14 communication network on KGS's transmission system, and was allocated entirely to  
15 KGS.

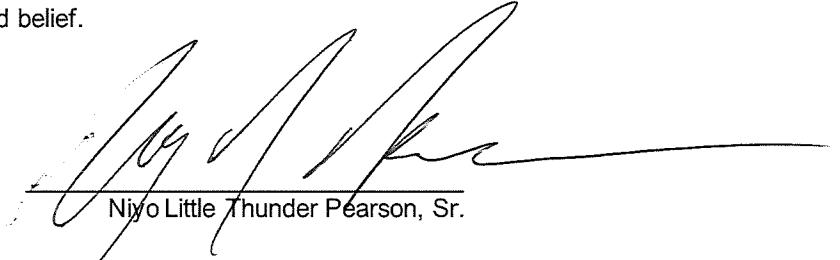
16 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

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

# VERIFICATION

STATE OF OKLAHOMA            )  
  ) ss.  
COUNTY OF TULSA            )

Niyo Little Thunder Pearson, Sr., being duly sworn upon his oath, deposes and states that he is Supervisor 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.

  
\_\_\_\_\_  
Niyo Little Thunder Pearson, Sr.

Subscribed and sworn to before me this 23 day of August 2022.

  
\_\_\_\_\_  
NOTARY PUBLIC

My appointment Expires:

05/27/2026





<b>2022 Q3 KGS Distrigas</b>	<b>31.69%</b>
<b>Allocated Total</b>	<b>\$233,839</b>
<b>Grand Total</b>	<b>\$286,323</b>

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. 23-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 26, 2022**

**DIRECT TESTIMONY**  
**OF**  
**LORNA M. EATON**  
**KANSAS GAS SERVICE**  
**DOCKET NO. 23-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 \$27,213,963, 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, which is at the  
2           ceiling of \$0.80 per month.

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

5   A.   No.

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

7   A.   The GSRS application contains the following elements:

- 8           1. Calculation of the over/under recovery of the previously authorized GSRS  
9           revenue, based upon actual GSRS revenue recorded through June 2022 and  
10          estimated through November 2022, plus a true-up of the estimated revenue  
11          from September 2021 – November 2021 included in 22-KGSG-112-TAR (“112  
12          Docket”);
- 13          2. The inclusion of system investment projects and government relocation  
14          expenditures placed in service after September 1, 2018 and unitized during the  
15          period July 1, 2021 through June 30, 2022. Company witness Mr. Jordan Robl  
16          will discuss these projects;
- 17          3. The inclusion of blanket work orders involving the replacement of service lines,  
18          mains, and meters placed in service and unitized during the period between  
19          July 1, 2021 and June 30, 2022. Company witness Mr. Jordan Robl will discuss  
20          these projects; and
- 21          4. The inclusion of cyber security projects that were placed in service after  
22          September 1, 2018 and unitized between July 1, 2021 and June 30, 2022.  
23          Company witness Mr. Niyo Little Thunder Pearson, Sr. will discuss these  
24          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 2022. "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 are consistent with those  
12           required in K.S.A. 66-2204 sections (d)(1) through (8), as amended. As shown on  
13           Line 11, the total GSRS Revenue Requirement is \$27,213,963. The revenue  
14           requirement identified in Exhibit LME-1 incorporates all the aspects of the GSRS  
15           calculation as 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 112 Docket compared to the actual revenues generated from  
4           December 2021 through June 2022, plus the estimated GSRS revenue for the period  
5           of July through November 2022. As shown on Line 14, of Exhibit LME-2, the revenue  
6           recovered from Kansas Gas Service's GSRS charge exceeds the authorized GSRS  
7           recoveries by \$361,749. The over-recovery is used to reduce the proposed GSRS  
8           charges as shown on Line 10 of LME-1.

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

10    A.     Exhibit LME-3 identifies the GSRS Gross and Net Plant in Service by FERC account  
11           for GSRS eligible expenditures, further classified by category of GSRS expenditure.  
12           GSRS eligible projects are identified in K.S.A. 66-2202 sections (f)(1) through (5), as  
13           amended, and are discussed in greater detail in the testimonies of Company witness  
14           Mr. Robl and Company witness Mr. Pearson. Column (B) identifies the GSRS  
15           expenditures that were approved in 20-KGSG-090-TAR ("090 Docket"), Column (C)  
16           identifies the GSRS expenditures that were approved in the 094 Docket, Column (D)  
17           identifies the GSRS expenditures that were approved in the 112 Docket, Column (E)  
18           identifies the proposed GSRS expenditures that relate to allocated cyber security  
19           projects, Column (F)<sup>1</sup> identifies the proposed safety and governmental relocation  
20           projects, and Column (G) identifies the proposed blanket GSRS expenditures.  
21           Accumulated Depreciation of \$15,011,547 associated with this filing is shown in

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<sup>1</sup> Column (F) includes one project that is sponsored by Company witness Mr. Pearson that is a cyber security project related only to Kansas Gas Service specific assets.

1 column (H) and Column (I) identifies the Net GSRS plant by FERC account of  
2 \$250,973,332.

3 **Q. CAN YOU PLEASE DESCRIBE WHAT YOU MEAN BY “ALLOCATED CYBER AND**  
4 **PHYSICAL SECURITY PROJECTS”?**

5 A. K.S.A. 66-2202 section (f)(4), as amended, allows for the inclusion of System Security<sup>2</sup>  
6 costs including allocated corporate costs. Kansas Gas Service includes security  
7 investments that are described in Mr. Pearson’s testimony within the GSRS filing that  
8 were incurred at the corporate level. The plant in service included in Column (E) on  
9 exhibit LME-3 reflect only Kansas Gas Service’s portion of the total investment.

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

11 A. Exhibit LME-4 identifies the Accumulated Depreciation of \$15,011,547 identified by  
12 FERC Account and Accumulated Deferred Income Taxes of \$21,033,327 associated  
13 with Kansas Gas Service’s GSRS capital expenditures. The Accumulated Deferred  
14 Income Tax (“ADIT”) balance represents the liability associated with GSRS investment  
15 that is used to reduce GSRS Rate Base.

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

17 A. Exhibit LME-5 sets forth the calculation of annualized Depreciation Expense  
18 associated with GSRS plant, split between allocated cyber security, safety and  
19 government relocation projects, blanket work orders, projects approved in the 112  
20 Docket, projects approved in the 094 Docket, and projects approved in the 090 Docket.  
21 As shown on line 112 of the Exhibit, the annualized Depreciation Expense is  
22 \$7,798,112.

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

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<sup>2</sup> 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 A. Exhibit LME-6 allocates the GSRS revenue requirement to Kansas Gas Service's  
2 customer classes as provided for in the agreed upon Stipulation in the 560 Docket as  
3 required in the statute. Specifically, the GSRS Revenue Requirement is allocated to  
4 each class based upon the proportion of its Pro-Forma revenue to total Pro-Forma  
5 revenue as defined in Appendix B, of the Stipulation and Agreement approved in the  
6 560 Docket. The revenue requirement by class is then divided by the number of billing  
7 determinants for each class as defined in that same Appendix, to establish the monthly  
8 rates.

9 As shown in column G, the proposed monthly fixed rates by customer class  
10 are as follows:

<b>GSRS Proposed Rates</b>	
<b>Customer Class</b>	<b>Monthly Fixed Rate</b>
RS – Residential Sales	\$2.78
GSS – General Sales Small	\$4.16
GSL – General Sales Large	\$10.19
GSTE – General Sales Transport Eligible	\$33.90
SGS – Small Generator Sales	\$4.54
GIS – Gas Irrigation Sales	\$11.03
STk -- Small Transportation Service “k” system	\$23.38
STt – Small Transportation Service “t” system	\$26.09
GITt – Gas Irrigation Transportation Service “t” system	\$23.65
LVTk – Large Volume Transportation Service “k” system Tier 1	\$57.89
LVTk – Large Volume Transportation Service “k” system Tier 2	\$127.47
LVTk – Large Volume Transportation Service “k” system Tier 3	\$226.48

LVTk – Large Volume Transportation Service “k” system Tier 4	\$1,006.51
LVTt –Large Volume T Transportation Service “t” system Tier 1	\$109.56
LVTt –Large Volume T Transportation Service “t” system Tier 2	\$180.18
LVTt –Large Volume T Transportation Service “t” system Tier 3	\$302.17
LVTt –Large Volume T Transportation Service “t” system Tier 4	\$2,113.79
WT - Wholesale Transportation Service	\$369.40
SSR – Sales Service for Resale	\$86.82
CNGk – Compressed Natural Gas Transportation Service	\$128.95
CNGt – Compressed Natural Gas Transportation Service	\$239.03
KGSSD – Kansas Gas Supply D	\$179.47

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 23 day of August 2022.

  
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)
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	Corporate Allocated Cyber Security	GSRS Safety & Public Improvement Projects	GSRS Blanket Work Orders	Grand Total	Source			
1	Original Cost	\$ 37,636,607	\$ 73,017,490	\$ 76,336,872	\$ 233,839	\$ 40,964,536	\$ 37,795,537	\$ 265,984,880	Schedule LME-3			
2	Less: Accumulated Depreciation	\$ (3,769,092)	\$ (5,559,070)	\$ (3,912,802)	\$ (14,264)	\$ (956,751)	\$ (799,570)	\$ (15,011,547)	Schedule LME-4			
3	Net Plant in Service	\$ 33,867,515	\$ 67,458,419	\$ 72,424,071	\$ 219,575	\$ 40,007,785	\$ 36,995,967	\$ 250,973,332				
4	Less: Accumulated Deferred Income Taxes	\$ (3,123,216)	\$ (6,332,545)	\$ (6,072,686)	\$ (1,523)	\$ (391,478)	\$ (5,111,881)	\$ (21,033,327)	Schedule LME-4			
5	Net GSRS Rate Base	\$ 30,744,300	\$ 61,125,875	\$ 66,351,385	\$ 218,053	\$ 39,616,307	\$ 31,884,086	\$ 229,940,005				
6	Carrying Charge <sup>(1)</sup>	8.6012%	8.6012%	8.6012%	8.6012%	8.6012%	8.6012%	8.6012%				
7	Pre-Tax Required Return	\$ 2,644,379	\$ 5,257,559	\$ 5,707,015	\$ 18,755	\$ 3,407,478	\$ 2,742,414	\$ 19,777,600	Line 5 * Line 6			
8	Depreciation Expense	\$ 1,098,457	\$ 2,133,175	\$ 2,241,859	\$ 38,037	\$ 1,081,192	\$ 1,205,393	\$ 7,798,112	Schedule LME-5			
9	GSRS Revenue Requirement (Annual)							<u>\$ 27,575,712</u>	Line 7 + 8			
10	Plus (Minus): Over-Recovered Balance from Docket No. 22-KGSG-112-TAR							<u>\$ (361,749)</u>	Schedule LME-2			
11	Revised GSRS Annualized Revenue Requirement							\$ 27,213,963	Line 9 + 10			

(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 2021-2022**

(A)		
Line No.		GSRS Recoveries
1	Sept - Nov 2021 Estimated Recoveries in 22-KGSG-112-TAR	\$2,978,550
2	Sept- Nov 2021 GSRS Recoveries	\$2,972,092
3	True-Up Actual/Estimate from 22-KGSG-112-TAR	(\$6,458)
4	December 2021 Recoveries	\$1,635,507
5	January 2022 Recoveries	\$1,658,162
6	February 2022 Recoveries	\$1,653,972
7	March 2022 Recoveries	\$1,648,156
8	April 2022 Recoveries	\$1,650,534
9	May 2022 Recoveries	\$1,649,939
10	June 2022 Recoveries	\$1,640,103
11	July - November Estimate	\$8,200,516
12	Total Cumulative GSRS Recoveries	\$19,730,431
13	2021 GSRS Rev. Requirement	\$19,368,682
14	Total Amount Over Recovered through November 2022	\$361,749

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)
Line No.	Account	Account Title	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 Corporate Allocated Cyber Security	GSRS Safety & Public Improvement Projects	GSRS Blanket Work Orders	Less: Accumulated Depreciation	Net Plant
1	365.2	Rights of Way	-	-	192,602	-	178,275	-	6,229	364,648
2	366.1	Compressor Station Structures	-	958	-	-	-	-	81	877
3	366.2	Meas. and Reg. Station Structures	-	-	-	-	328,243	-	8,204	320,040
4	367	Mains	2,732,453	5,261,528	9,135,683	-	6,601,578	-	1,245,381	22,485,861
5	368	Compressor Station Equipment	23,787	-	2,604	-	14,337	-	3,229	37,499
6	369	Meas. And Reg. Station Equipment	98,169	306,141	400,902	-	962,438	-	87,514	1,680,137
7	374.2	Rights of Way	-	-	-	-	6,063	-	26	6,037
8	376	Mains - Plastic	7,353,101	15,625,900	16,977,877	-	16,314,578	-	3,015,021	53,256,436
9	376.5	Mains - Metallic	1,901,073	9,877,744	4,591,277	-	7,370,691	-	1,068,959	22,671,825
10	376.9	Mains - Cathodic Protection	1,075,357	1,123,300	1,064,850	-	154,608	851,710	579,256	3,690,569
11	378	Meas. and reg. sta. equip. - general	177,571	350,074	541,482	-	817,706	-	78,718	1,808,115
12	379	Meas. and reg. sta. equip. - city gate	12,599	28,132	900,572	-	123,048	-	37,697	1,026,654
13	380	Services - Plastic	15,401,231	28,353,331	29,208,395	-	6,862,149	26,734,508	7,019,243	99,540,370
14	380.5	Services - Metallic	3,612	20,255	54,370	-	42,226	-	(546,112)	666,575
15	381	Meters	8,328,496	10,657,993	11,828,109	-	25,677	10,209,319	1,993,411	39,056,183
16	381.5	AMR Communication Devices	-	-	-	-	-	-	-	-
17	382	Meter installations	8,217	101,807	107,983	-	151,141	-	18,413	350,734
18	383	House Regulators	12,152	68,445	95,848	-	99,750	-	9,031	267,164
19	390.1	Structures and Improvements	374,683	743,299	77,520	-	328,593	-	67,370	1,456,725
20	390.2	Leasehold Improvements	-	37,698	-	-	33,814	-	-	71,512
21	391.1	Office Furniture	-	-	10,385	-	-	-	1,231	9,153
22	391.6	Purchased Software	84,018	350,409	191,039	-	-	-	120,206	505,260
23	391.8	Computer Equipment	18,157	-	4,350	168,341	-	-	26,068	164,780
24	391.9	Cloud Computing	-	-	15,083	-	-	-	1,703	13,379
25	397	Communication Equipment	31,932	110,477	935,943	65,498	549,620	-	170,670	1,522,800
26	Total		\$ 37,636,607	\$ 73,017,490	\$ 76,336,872	\$ 233,839	\$ 40,964,536	\$ 37,795,537	\$ 15,011,547	\$ 250,973,332

Kansas Gas Service  
A Division of ONE Gas

Gas System Reliability Surcharge

Exhibit LME-4

Accumulated Depreciation and Accumulated Deferred Income Tax

Accumulated Depreciation

(A)			(B)	(C)	(D)	(E)	(F)	(G)	(H)
Line	Account	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 Corporate Allocated Cyber Security	GSRS Safety & Public Improvement Projects	GSRS Blanket Work Orders	Total Accumulated Depreciation
1	365.2	Rights of Way	-	-	4,526	-	1,703	-	\$ 6,229
2	366.1	Compressor Station Structures	-	81	-	-	-	-	\$ 81
3	366.2	Meas. and Reg. Station Structures	-	-	-	-	8,204	-	\$ 8,204
4	367	Mains	218,729	330,541	544,903	-	151,208	-	\$ 1,245,381
5	368	Compressor Station Equipment	2,805	-	149	-	274	-	\$ 3,229
6	369	Meas. And Reg. Station Equipment	9,986	19,633	23,463	-	34,432	-	\$ 87,514
7	374.2	Rights of Way	-	-	-	-	26	-	\$ 26
8	376	Mains - Plastic	673,494	1,129,774	827,695	-	384,057	-	\$ 3,015,021
9	376.5	Mains - Metallic	136,018	617,616	190,291	-	125,034	-	\$ 1,068,959
10	376.9	Mains - Cathodic Protection	245,556	191,608	110,104	-	6,765	25,224	\$ 579,256
11	378	Meas. and reg. sta. equip. - general	14,580	24,325	26,854	-	12,958	-	\$ 78,718
12	379	Meas. and reg. sta. equip. - city gate	628	1,167	34,931	-	971	-	\$ 37,697
13	380	Services - Plastic	1,895,831	2,584,519	1,626,780	-	195,952	716,161	\$ 7,019,243
14	380.5	Services - Metallic	(259,482)	(137,344)	(100,408)	-	(1,441)	(47,436)	\$ (546,112)
15	381	Meters	765,614	669,846	451,931	-	399	105,621	\$ 1,993,411
16	381.5	AMR Communication Devices	-	-	-	-	-	-	\$ -
17	382	Meter installations	749	8,557	5,286	-	3,821	-	\$ 18,413
18	383	House Regulators	726	3,152	3,280	-	1,874	-	\$ 9,031
19	390.1	Structures and Improvements	20,801	35,058	2,443	-	9,068	-	\$ 67,370
20	390.2	Leasehold Improvements	-	-	-	-	-	-	\$ -
21	391.1	Office Furniture	-	-	1,231	-	-	-	\$ 1,231
22	391.6	Purchased Software	22,451	57,928	39,827	-	-	-	\$ 120,206
23	391.8	Computer Equipment	12,559	-	883	12,626	-	-	\$ 26,068
24	391.9	Cloud Computing	-	-	1,703	-	-	-	\$ 1,703
25	397	Communication Equipment	8,046	22,609	116,930	1,638	21,447	-	\$ 170,670
26	Total		\$ 3,769,092	\$ 5,559,070	\$ 3,912,802	\$ 14,264	\$ 956,751	\$ 799,570	\$ 15,011,547

Accumulated Deferred Income Tax Liability

(A)		(B)			(C)	(D)	(E)	(F)
Line No.		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 Corporate Allocated Cyber Security	GSRS Safety & Public Improvement Projects	GSRS Blanket Work Orders	Total ADIT
1	Total	\$ (3,123,216)	\$ (6,332,545)	\$ (6,072,686)	\$ (1,523)	\$ (391,478)	\$ (5,111,881)	\$ (21,033,327)

**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	-	-	-	7.69%	-
3	391.8	Computer Equipment	168,341	-	168,341	20.00%	33,668
4	397.0	Communication Equipment	65,498	-	65,498	6.67%	4,369
5	<b>Total</b>		233,839	-	233,839		38,037

**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
6	365.2	Rights of Way	178,275	-	178,275	1.41%	2,514
7	366.1	Compressor Station Structures	-	-	-	1.41%	-
8	366.2	Meas. and Reg. Station Structures	328,243	-	328,243	2.18%	7,156
9	367	Mains	6,601,578	(183,461)	6,418,117	2.38%	152,751
10	368	Compressor Station Equipment	14,337	-	14,337	3.53%	506
11	369	Meas. And Reg. Station Equipment	962,438	(42,277)	920,162	3.18%	29,261
12	374.2	Rights of Way	6,063	-	6,063	1.45%	88
13	376	Mains - Plastic	16,314,578	(95,935)	16,218,643	2.66%	431,416
14	376.5	Mains - Metallic	7,370,691	(309,318)	7,061,373	2.46%	173,710
15	376.9	Mains - Cathodic Protection	154,608	-	154,608	6.67%	10,312
16	378	Meas. and reg. sta. equip. - general	817,706	(74,596)	743,110	2.44%	18,132
17	379	Meas. and reg. sta. equip. - city gate	123,048	(85)	122,963	2.13%	2,619
18	380	Services - Plastic	6,862,149	(1,314,822)	5,547,328	3.69%	204,696
19	380.5	Services - Metallic	42,226	(63,386)	(21,160)	4.63%	(980)
20	381	Meters	25,677	-	25,677	2.84%	729
21	381.5	AMR Communication Devices	-	-	-	6.67%	-
22	382	Meter installations	151,141	(7,929)	143,212	3.20%	4,583
23	383	House Regulators	99,750	(4,306)	95,444	1.97%	1,880
24	390.1	Structures and Improvements	328,593	-	328,593	1.57%	5,159
25	390.2	Leasehold Improvements	33,814	-	33,814	0.00%	-
26	397	Communication Equipment	549,620	-	549,620	6.67%	36,660
27	<b>Total</b>		40,964,536	(2,096,115)	38,868,421		1,081,192



**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
28	367	Mains	-	-	-	2.38%	-
29	368	Compressor Station Equipment	-	-	-	3.53%	-
30	369	Meas. And Reg. Station Equipment	-	-	-	3.18%	-
31	374.2	Rights of Way	-	-	-	1.45%	-
32	376	Mains - Plastic	-	-	-	2.66%	-
33	376.5	Mains - Metallic	-	-	-	2.46%	-
34	376.9	Mains - Cathodic Protection	851,710	-	851,710	6.67%	56,809
35	378	Meas. and reg. sta. equip. - general	-	-	-	2.44%	-
36	379	Meas. and reg. sta. equip. - city gate	-	-	-	2.13%	-
37	380	Services - Plastic	26,734,508	-	26,734,507.76	3.69%	986,503
38	380.5	Services - Metallic	-	(1,405,341)	(1,405,341)	4.63%	(65,067)
39	381	Meters	10,209,319	(2,211,159)	7,998,159	2.84%	227,148
40	381.5	AMR Communication Devices	-	-	-	6.67%	-
41	382	Meter installations	-	-	-	3.20%	-
42	383	House Regulators	-	-	-	1.97%	-
43	390.1	Structures and Improvements	-	-	-	1.57%	-
44	397	Communication Equipment	-	-	-	6.67%	-
45	<b>Total</b>		37,795,537	(3,616,501)	34,179,036		1,205,393

**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
46	365.2	Rights of Way	192,602	-	192,602	1.41%	2,716
47	366.1	Compressor Station Structures	-	-	-	2.95%	-
48	367	Mains	9,135,683	(246,200)	8,889,483	2.38%	211,570
49	368	Compressor Station Equipment	2,604	-	2,604	3.53%	92
50	369	Meas. And Reg. Station Equipment	400,902	(32,289)	368,613	3.18%	11,722
51	374.2	Rights of Way	-	-	-	1.45%	-
52	376	Mains - Plastic	16,977,877	(180,760)	16,797,117	2.66%	446,803
53	376.5	Mains - Metallic	4,591,277	(340,123)	4,251,154	2.46%	104,578
54	376.9	Mains - Cathodic Protection	1,064,850	-	1,064,850	6.67%	71,026
55	378	Meas. and reg. sta. equip. - general	541,482	(17,044)	524,438	2.44%	12,796
56	379	Meas. and reg. sta. equip. - city gate	900,572	(22,547)	878,025	2.13%	18,702
57	380	Services - Plastic	29,208,395	(1,082,353)	28,126,042	3.69%	1,037,851
58	380.5	Services - Metallic	54,370	(1,483,520)	(1,429,150)	4.63%	(66,170)
59	381	Meters	11,828,109	(1,123,252)	10,704,857	2.84%	304,018
60	381.5	AMR Communication Devices	-	-	-	6.67%	-
61	382	Meter installations	107,983	(9,675)	98,308	3.20%	3,146
62	383	House Regulators	95,848	(2,181)	93,666	1.97%	1,845
63	390.1	Structures and Improvements	77,520	-	77,520	1.57%	1,217
64	391.1	Office Furniture	10,385	-	10,385	7.69%	799
65	391.6	Purchased Software	191,039	-	191,039	7.69%	14,691
66	391.8	Computer Equipment	4,350	-	4,350	20.00%	870
67	391.9	Cloud Computing	15,083	-	15,083	7.69%	1,160
68	397	Communication Equipment	935,943	-	935,943	6.67%	62,427
<b>69</b>			76,336,872	(4,539,943)	71,796,930		2,241,859

**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
70	366.1	Compressor Station Structures	958	-	958	2.95%	28
71	367	Mains	5,261,528	(47,757)	5,213,771	2.38%	124,088
72	368	Compressor Station Equipment	-	-	-	3.53%	-
73	369	Meas. And Reg. Station Equipment	306,141	(56,970)	249,170	3.18%	7,924
74	374.2	Rights of Way	-	-	-	1.45%	-
75	376	Mains - Plastic	15,625,900	(117,459)	15,508,441	2.66%	412,525
76	376.5	Mains - Metallic	9,877,744	(407,425)	9,470,319	2.46%	232,970
77	376.9	Mains - Cathodic Protection	1,123,300	-	1,123,300	6.67%	74,924
78	378	Meas. and reg. sta. equip. - general	350,074	(8,327)	341,747	2.44%	8,339
79	379	Meas. and reg. sta. equip. - city gate	28,132	(9,510)	18,622	2.13%	397
80	380	Services - Plastic	28,353,331	(1,116,928)	27,236,403	3.69%	1,005,023
81	380.5	Services - Metallic	20,255	(1,185,120)	(1,164,866)	4.63%	(53,933)
82	381	Meters	10,657,993	(1,125,057)	9,532,935	2.84%	270,735
83	381.5	AMR Communication Devices	-	-	-	6.67%	-
84	382	Meter installations	101,807	(6,893)	94,914	3.20%	3,037
85	383	House Regulators	68,445	(10,907)	57,537	1.97%	1,133
86	390.1	Structures and Improvements	743,299	-	743,299	1.57%	11,670
87	390.2	Leasehold Improvements	37,698	-	37,698	0.00%	-
88	391.6	Purchased Software	350,409	-	350,409	7.69%	26,946
89	391.8	Computer Equipment	-	-	-	20.00%	-
90	397	Communication Equipment	110,477	-	110,477	6.67%	7,369
<b>91</b>			<b>73,017,490</b>	<b>(4,092,355)</b>	<b>68,925,135</b>		<b>2,133,175</b>

**Exhibit LME-5**

**(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
92	367	Mains	2,732,453	(156,339)	2,576,114	2.38%	61,312
93	368	Compressor Station Equipment	23,787	(1,473)	22,314	3.53%	788
94	369	Meas. And Reg. Station Equipment	98,169	(6,437)	91,732	3.18%	2,917
95	374.2	Rights of Way	-	-	-	1.45%	-
96	376	Mains - Plastic	7,353,101	(59,438)	7,293,663	2.66%	194,011
97	376.5	Mains - Metallic	1,901,073	(301,319)	1,599,754	2.46%	39,354
98	376.9	Mains - Cathodic Protection	1,075,357	-	1,075,357	6.67%	71,726
99	378	Meas. and reg. sta. equip. - general	177,571	(7,220)	170,350	2.44%	4,157
100	379	Meas. and reg. sta. equip. - city gate	12,599	(4,400)	8,199	2.13%	175
101	380	Services - Plastic	15,401,231	(303,425)	15,097,806	3.69%	557,109
102	380.5	Services - Metallic	3,612	(1,645,964)	(1,642,352)	4.63%	(76,041)
103	381	Meters	8,328,496	(426,119)	7,902,377	2.84%	224,428
104	381.5	AMR Communication Devices	-	-	-	6.67%	-
105	382	Meter installations	8,217	(1,547)	6,670	3.20%	213
106	383	House Regulators	12,152	(1,832)	10,320	1.97%	203
107	390.1	Structures and Improvements	374,683	-	374,683	1.57%	5,883
108	391.6	Purchased Software	84,018	-	84,018	7.69%	6,461
109	391.8	Computer Equipment	18,157	-	18,157	20.00%	3,631
110	397	Communication Equipment	31,932	-	31,932	6.67%	2,130
111	Total		37,636,607	(2,915,513)	34,721,093		1,098,457
112	Total Depreciation Expense						7,798,112

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%	19,469,982	583,049	\$ 33.39	\$ 2.78
2	General Sales Svc. Small	21,561,638	6.762%	1,840,145	36,896	\$ 49.87	\$ 4.16
3	General Sales Svc. Large	16,644,462	5.220%	1,420,496	11,621	\$ 122.24	\$ 10.19
4	General Sales Svc. Transport Eligible	2,383,361	0.747%	203,404	500	\$ 406.81	\$ 33.90
5	Small Generator Sales SGS	431,454	0.135%	36,822	676	\$ 54.47	\$ 4.54
6	Gas Irrigation Sales GIS	331,827	0.104%	28,319	214	\$ 132.33	\$ 11.03
7	Small Transportation STk	11,498,231	3.606%	981,299	3,497	\$ 280.61	\$ 23.38
8	Small Transportation STt	4,441,906	1.393%	379,088	1,211	\$ 313.04	\$ 26.09
9	Gas Irrigation Transportation GITt	1,705,800	0.535%	145,579	513	\$ 283.78	\$ 23.65
10	Large Volume Transportation LVTk Tier 1 #	1,750,052	0.549%	149,356	215	\$ 694.68	\$ 57.89
11	Large Volume Transportation LVTk Tier 2 #	1,684,737	0.528%	143,781	94	\$ 1,529.59	\$ 127.47
12	Large Volume Transportation LVTk Tier 3 #	1,496,729	0.469%	127,736	47	\$ 2,717.79	\$ 226.48
13	Large Volume Transportation LVTk Tier 4 #	8,916,005	2.796%	760,923	63	\$ 12,078.14	\$ 1,006.51
14	Large Volume Transportation LVTt Tier 1 #	693,253	0.217%	59,165	45	\$ 1,314.77	\$ 109.56
15	Large Volume Transportation LVTt Tier 2 #	785,386	0.246%	67,028	31	\$ 2,162.18	\$ 180.18
16	Large Volume Transportation LVTt Tier 3 #	637,325	0.200%	54,391	15	\$ 3,626.10	\$ 302.17
17	Large Volume Transportation LVTt Tier 4 #	13,969,184	4.381%	1,192,179	47	\$ 25,365.51	\$ 2,113.79
18	Wholesale Transportation WT t #	1,454,338	0.456%	124,118	28	\$ 4,432.80	\$ 369.40
19	Sales Service for Resale SSR	97,657	0.031%	8,334	8	\$ 1,041.80	\$ 86.82
20	CNG k system	163,179	0.051%	13,926	9	\$ 1,547.36	\$ 128.95
21	CNG t system	67,219	0.021%	5,737	2	\$ 2,868.35	\$ 239.03
22	Kansas Gas Supply D	25,235	0.008%	2,154	1	\$ 2,153.64	\$ 179.47

23	<b>Total</b>	<b>\$ 318,875,695</b>	<b>100%</b>	<b>\$ 27,213,963</b>
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24 1) Note: Residential Class Limited to annual increase of \$.80/month over the most recent GSRS filing.

	Annual Increase	Cumulative Rate
25 2020 GSRS Rate - Residential	\$ 0.43	\$ 0.43
26 2021 GSRS Rate - Residential	\$ 0.77	\$ 1.20
27 2022 GSRS Rate - Residential	\$ 0.78	\$ 1.98
28 2023 GSRS Rate - Residential	\$ 0.80	\$ 2.78
29 <b>Total Residential Rate</b>		<b>\$ 2.78</b>

30 # Includes flex revenue.

**THE STATE CORPORATION COMMISSION OF KANSAS**

LME - 7

Index 44.1

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

**SCHEDULE GSRS**

All Rate Areas

Replacing Sheet 1 Filed November

1719,20210

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	\$	<u>1.982.78</u>
GSS	General Sales Service Small	\$	<u>2.964.16</u>
GSL	General Sales Service Large	\$	<u>7.2510.19</u>
GSTE	General Sales Service Transport Eligible	\$	<u>24.1333.90</u>
SGS	Small Generator Sales Service	\$	<u>3.234.54</u>
KGSSD	Kansas Gas Supply D	\$	<u>127.73179.47</u>
GIS	Gas Irrigation Sales Service	\$	<u>7.8511.03</u>
SSR	Sales Service Resale	\$	<u>61.7986.82</u>
STk	Small Transportation Service (k)	\$	<u>16.6423.38</u>
STt	Small Transportation Service (t)	\$	<u>18.5726.09</u>
LVTk	Large Volume Transportation Service (k)		
Annual Use:	Below 10,000 Mcf	\$	<u>41.2057.89</u>
	10,001 Mcf – 20,000 Mcf	\$	<u>90.72127.47</u>
	20,001 Mcf – 40,000 Mcf	\$	<u>161.19226.48</u>
	Above 40,001 Mcf	\$	<u>716.351,006.51</u>
LVTt	Large Volume Transportation Service (t)		
Annual Use:	Below 10,000 Mcf	\$	<u>77.98109.56</u>
	10,001 Mcf – 20,000 Mcf	\$	<u>128.24180.18</u>
	20,001 Mcf – 40,000 Mcf	\$	<u>215.06302.17</u>
	Above 40,001 Mcf	\$	<u>1,504.432,113.79</u>
WTt	Wholesale Transportation Service (t)	\$	<u>262.91369.40</u>
GIIt	Gas Irrigation Transportation Service (t)	\$	<u>16.8323.65</u>
CNGk	Compressed Natural Gas General Transportation (k)	\$	<u>91.77128.95</u>
CNGt	Compressed Natural Gas General Transportation (t)	\$	<u>170.12239.03</u>

Issued:	<u>November 19, 2021</u>	<p><b>22-KGSG-112-TAR</b>  <b>Approved</b>  <b>Kansas Corporation Commission</b>  <b>November 18, 2021</b>  <u>/s/ Lynn Retz</u></p>
Effective:	<u>December 1, 2021</u>	
By:	<u>/s/ Janet L. Buchanan</u> <u>Janet L. Buchanan, Director-Regulatory</u>	

# 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 his knowledge, information, and belief.

  
Robert Elliott Vincent

Subscribed and sworn before me this 23<sup>rd</sup> day of August, 2022.

  
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 26th day of August, 2022, addressed to:

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

Walker Hendrix  
Interim Chief Litigation Counsel  
Kansas Corporation Commission  
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/s/ Robert Elliott Vincent  
Robert Elliott Vincent