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APR 18 2019
PUBLIC SERVICE
COMMISSION

Gwen R. Pinson, Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, KY 40601

**Louisville Gas and Electric
Company**
State Regulation and Rates
220 West Main Street
PO Box 32010
Louisville, Kentucky 40232
www.lge-ku.com

April 18, 2019

Rick E. Lovekamp
Manager Regulatory
Strategy/Policy
T 502-627-3780
rick.lovekamp@lge-ku.com

**RE: APPLICATION OF LOUISVILLE GAS AND ELECTRIC
COMPANY FOR APPROVAL OF STATE WAIVER OF THE
REASSESSMENT INTERVAL REQUIRED BY 49 C.F.R. 192.939
Case No. 2017-00482**

Dear Ms. Pinson:

Enclosed please find and accept for filing Louisville Gas and Electric Company's ("LG&E") Responses to the Commission's Staff's First Request for Information in the above referenced matter.

Should you have any questions, please do not hesitate to contact me.

Sincerely,

Rick E. Lovekamp

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

APR 18 2019

**PUBLIC SERVICE
COMMISSION**

In the Matter of:

**APPLICATION OF LOUISVILLE GAS AND)
ELECTRIC COMPANY FOR APPROVAL OF)
STATE WAIVER OF THE REASSESSMENT) CASE NO. 2017-00482
INTERVAL REQUIRED BY 49 C.F.R. § 192.939)**

**RESPONSE OF
LOUISVILLE GAS AND ELECTRIC COMPANY
TO
COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION
DATED APRIL 9, 2019**

FILED: APRIL 18, 2019

VERIFICATION


COMMONWEALTH OF KENTUCKY)
)
COUNTY OF JEFFERSON)

The undersigned, **Peter Clyde**, being duly sworn, deposes and says that he is Manager Transmission Integrity and Compliance for Louisville Gas and Electric Company, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.



Peter Clyde

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 16th day of April 2019.



Notary Public (SEAL)

My Commission Expires:
Judy Schooler
Notary Public, ID No. 603967
State at Large, Kentucky

Commission Expires 7/11/2022

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated April 9, 2019**

Case No. 2017-00482

Question No. 1

Responding Witness: Peter Clyde


Q-1. Provide LG&E's 2017 Annual Report, Natural or Other Gas Transmission and Gathering Systems, Form PHMSA 7100.2-1 (2017 Annual Report).

A-1. Please see attached.

Notice: This report is required by 49 CFR Part 191. Failure to report may result in a civil penalty not to exceed \$100,000 for each violation for each day the violation continues up to a maximum of \$1,000,000 as provided in 49 USC 60122.

Form Approved
OMB No. 2137-0522
Expires: 8/31/2020

Clyde

| | | | | |
|--|---|--|---------------------------------------|--------------------------|
|  U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration | ANNUAL REPORT FOR CALENDAR YEAR 2017 NATURAL OR OTHER GAS TRANSMISSION and GATHERING SYSTEMS | | Initial Date Submitted | 03/13/2018 |
| | | | Report Submission Type | SUPPLEME NTAL |
| | | | Date Submitted | 12/19/2018 |
| <p>A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2137-0522. Public reporting for this collection of information is estimated to be approximately 42 hours per response, including the time for reviewing instructions, gathering the data needed, and completing and reviewing the collection of information. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, PHMSA, Office of Pipeline Safety (PHP-30) 1200 New Jersey Avenue, SE, Washington, D.C. 20590.</p> <p>Important: Please read the separate instructions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the PHMSA Pipeline Safety Community Web Page at http://www.phmsa.dot.gov/pipeline/library/forms.</p> | | | | |
| PART A - OPERATOR INFORMATION | | | DOT USE ONLY | 20187040 - 35128 |
| 1. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER (OPID) 11824 | | 2. NAME OF OPERATOR: LOUISVILLE GAS & ELECTRIC CO | | |
| 3. RESERVED | | 4. HEADQUARTERS ADDRESS: 220 W MAIN ST, PO BOX 32010 <small>Street Address</small> LOUISVILLE <small>City</small> State: KY Zip Code: 40202 | | |
| 5. THIS REPORT PERTAINS TO THE FOLLOWING COMMODITY GROUP: <i>(Select Commodity Group based on the predominant gas carried and complete the report for that Commodity Group. File a separate report for each Commodity Group included in this OPID.)</i> Natural Gas | | | | |
| 6. RESERVED | | | | |
| 7. FOR THE DESIGNATED "COMMODITY GROUP", THE PIPELINES AND/OR PIPELINE FACILITIES INCLUDED WITHIN THIS OPID ARE: <i>(Select one or both)</i> INTERstate pipeline – List all of the States and OSC portions in which INTERstate pipelines and/or pipeline facilities included under this OPID exist. etc. INTRAstate pipeline – List all of the States in which INTRAstate pipelines and or pipeline facilities included under this OPID exist. INDIANA, KENTUCKY etc. | | | | |
| 8. RESERVED | | | | |

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For the designated Commodity Group, PARTs B and D will be calculated based on the data entered in Parts L and P respectively. Complete Part C one time for all pipelines and/or pipeline facilities – both INTERstate and INTRAsate - included within this OPID.

| PART B – TRANSMISSION PIPELINE HCA MILES | |
|--|---------------------|
| | Number of HCA Miles |
| Onshore | 46.35 |
| Offshore | 0 |
| Total Miles | 46.35 |

| PART C - VOLUME TRANSPORTED IN TRANSMISSION PIPELINES (ONLY) IN MILLION SCF PER YEAR (excludes Transmission lines of Gas Distribution systems) | Check this box and do not complete PART C if this report only includes gathering pipelines or transmission lines of gas distribution systems. | |
|--|---|-----------------|
| | <input type="checkbox"/> | |
| | Onshore | Offshore |
| Natural Gas | 31930 | |
| Propane Gas | | |
| Synthetic Gas | | |
| Hydrogen Gas | | |
| Landfill Gas | | |
| Other Gas - Name: | | |

| PART D - MILES OF STEEL PIPE BY CORROSION PROTECTION | | | | | | | | | | |
|--|------------------------------|--------|--------------------------------|--------|-----------|--------------|---------|------------------------|-------|-------------|
| | Steel Cathodically protected | | Steel Cathodically unprotected | | Cast Iron | Wrought Iron | Plastic | Composite ¹ | Other | Total Miles |
| | Bare | Coated | Bare | Coated | | | | | | |
| Transmission | | | | | | | | | | |
| Onshore | .9 | 386.69 | 3.16 | .02 | 0 | 0 | 7.04 | 0 | 0 | 397.81 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Transmission | .9 | 386.69 | 3.16 | .02 | 0 | 0 | 7.04 | 0 | 0 | 397.81 |
| Gathering | | | | | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | .9 | 386.69 | 3.16 | .02 | 0 | 0 | 7.04 | 0 | 0 | 397.81 |

¹Use of Composite pipe requires a PHMSA Special Permit or waiver from a State

PART E – RESERVED

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For the designated Commodity Group, complete PARTs F and G one time for all INTERstate pipeline facilities included within this OPID and multiple times as needed for the designated Commodity Group for each State in which INTRAsate pipeline facilities included within this OPID exist. Part F "WITHIN AN HCA SEGMENT" data and Part G may be completed only if HCA Miles in Part L is greater than zero.

| |
|--|
| PARTs F and G |
| The data reported in these PARTs applies to: (select only one) |
| <input type="checkbox"/> Interstate pipelines/pipeline facilities |
| <input checked="" type="checkbox"/> Intrastate pipelines/pipeline facilities in the State of INDIANA (complete for each State) |

| | |
|---|--|
| PART F - INTEGRITY INSPECTIONS CONDUCTED AND ACTIONS TAKEN BASED ON INSPECTION | |
| 1. MILEAGE INSPECTED IN CALENDAR YEAR USING THE FOLLOWING IN-LINE INSPECTION (ILI) TOOLS | |
| a. Corrosion or metal loss tools | |
| b. Dent or deformation tools | |
| c. Crack or long seam defect detection tools | |
| d. Any other internal inspection tools, specify other tools: | |
| 1. Internal Inspection Tools - Other | |
| e. Total tool mileage inspected in calendar year using in-line inspection tools. (Lines a + b + c + d) | |
| 2. ACTIONS TAKEN IN CALENDAR YEAR BASED ON IN-LINE INSPECTIONS | |
| a. Based on ILI data, total number of anomalies excavated in calendar year because they met the operator's criteria for excavation. | |
| b. Total number of anomalies repaired in calendar year that were identified by ILI based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of conditions repaired WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 3. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON PRESSURE TESTING | |
| a. Total mileage inspected by pressure testing in calendar year. | |
| b. Total number of pressure test failures (ruptures and leaks) repaired in calendar year, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of pressure test ruptures (complete failure of pipe wall) repaired in calendar year WITHIN AN HCA SEGMENT. | |
| d. Total number of pressure test leaks (less than complete wall failure but including escape of test medium) repaired in calendar year WITHIN AN HCA SEGMENT. | |
| 4. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON DA (Direct Assessment methods) | |
| a. Total mileage inspected by each DA method in calendar year. | |
| 1. ECDA | |
| 2. ICDA | |
| 3. SCCDA | |
| b. Total number of anomalies identified by each DA method and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| 1. ECDA | |
| 2. ICDA | |
| 3. SCCDA | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |

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| | |
|--|--|
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 5. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON OTHER INSPECTION TECHNIQUES | |
| a. Total mileage inspected by inspection techniques other than those listed above in calendar year. | |
| 1. Other Inspection Techniques | |
| b. Total number of anomalies identified by other inspection techniques and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 6. TOTAL MILEAGE INSPECTED (ALL METHODS) AND ACTIONS TAKEN IN CALENDAR YEAR | |
| a. Total mileage inspected in calendar year. (Lines 1.e + 3.a + 4.a.1 + 4.a.2 + 4.a.3 + 5.a) | |
| b. Total number of anomalies repaired in calendar year both within an HCA Segment and outside of an HCA Segment. (Lines 2.b + 3.b + 4.b.1 + 4.b.2 + 4.b.3 + 5.b) | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT. (Lines 2.c.1 + 2.c.2 + 2.c.3 + 2.c.4 + 3.c + 3.d + 4.c.1 + 4.c.2 + 4.c.3 + 4.c.4 + 5.c.1 + 5.c.2 + 5.c.3 + 5.c.4) | |
| d. Total number of actionable anomalies eliminated by pipe replacement in calendar year WITHIN AN HCA SEGMENT: | |
| e. Total number of actionable anomalies eliminated by pipe abandonment in calendar year WITHIN AN HCA SEGMENT: | |
| PART G— MILES OF BASELINE ASSESSMENTS AND REASSESSMENTS COMPLETED IN CALENDAR YEAR (HCA Segment miles ONLY) | |
| a. Baseline assessment miles completed during the calendar year. | |
| b. Reassessment miles completed during the calendar year. | |
| c. Total assessment and reassessment miles completed during the calendar year. | |

PARTS F and G

The data reported in these PARTs applies to: (select only one)

- Interstate pipelines/pipeline facilities
- Intrastate pipelines/pipeline facilities in the State of KENTUCKY (complete for each State)

PART F - INTEGRITY INSPECTIONS CONDUCTED AND ACTIONS TAKEN BASED ON INSPECTION**1. MILEAGE INSPECTED IN CALENDAR YEAR USING THE FOLLOWING IN-LINE INSPECTION (ILI) TOOLS**

| | |
|---|-------|
| a. Corrosion or metal loss tools | 17.2 |
| b. Dent or deformation tools | 53.39 |
| c. Crack or long seam defect detection tools | |
| d. Any other internal inspection tools, specify other tools: | |
| 1. Internal Inspection Tools - Other | |
| e. Total tool mileage inspected in calendar year using in-line inspection tools. (Lines a + b + c + d) | 70.59 |
| 2. ACTIONS TAKEN IN CALENDAR YEAR BASED ON IN-LINE INSPECTIONS | |
| a. Based on ILI data, total number of anomalies excavated in calendar year because they met the operator's criteria for excavation. | 9 |

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| | |
|--|-------|
| b. Total number of anomalies repaired in calendar year that were identified by ILI based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | 9 |
| c. Total number of conditions repaired WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 3. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON PRESSURE TESTING | |
| a. Total mileage inspected by pressure testing in calendar year. | |
| b. Total number of pressure test failures (ruptures and leaks) repaired in calendar year, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of pressure test ruptures (complete failure of pipe wall) repaired in calendar year WITHIN AN HCA SEGMENT. | |
| d. Total number of pressure test leaks (less than complete wall failure but including escape of test medium) repaired in calendar year WITHIN AN HCA SEGMENT. | |
| 4. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON DA (Direct Assessment methods) | |
| a. Total mileage inspected by each DA method in calendar year. | .6 |
| 1. ECDA | |
| 2. ICDA | .6 |
| 3. SCCDA | |
| b. Total number of anomalies identified by each DA method and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| 1. ECDA | |
| 2. ICDA | |
| 3. SCCDA | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 5. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON OTHER INSPECTION TECHNIQUES | |
| a. Total mileage inspected by inspection techniques other than those listed above in calendar year. | |
| 1. Other Inspection Techniques | |
| b. Total number of anomalies identified by other inspection techniques and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 6. TOTAL MILEAGE INSPECTED (ALL METHODS) AND ACTIONS TAKEN IN CALENDAR YEAR | |
| a. Total mileage inspected in calendar year. (Lines 1.e + 3.a + 4.a.1 + 4.a.2 + 4.a.3 + 5.a) | 71.19 |
| b. Total number of anomalies repaired in calendar year both within an HCA Segment and outside of an HCA Segment. (Lines 2.b + 3.b + 4.b.1 + 4.b.2 + 4.b.3 + 5.b) | 9 |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT. (Lines 2.c.1 + 2.c.2 + 2.c.3 + 2.c.4 + 3.c + 3.d + 4.c.1 + 4.c.2 + 4.c.3 + 4.c.4 + 5.c.1 + 5.c.2 + 5.c.3 + 5.c.4) | |
| d. Total number of actionable anomalies eliminated by pipe replacement in calendar year WITHIN AN HCA SEGMENT: | |
| e. Total number of actionable anomalies eliminated by pipe abandonment in calendar year WITHIN AN HCA SEGMENT: | |
| PART G-- MILES OF BASELINE ASSESSMENTS AND REASSESSMENTS COMPLETED IN CALENDAR YEAR (HCA Segment miles ONLY) | |

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| | |
|--|--|
| a. Baseline assessment miles completed during the calendar year. | |
| b. Reassessment miles completed during the calendar year. | |
| c. Total assessment and reassessment miles completed during the calendar year. | |

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For the designated Commodity Group, complete PARTs H, I, J, K, L, M, P Q and R covering INTERstate pipelines and/or pipeline facilities for each State in which INTERstate systems exist within this OPID and again covering INTRAsate pipelines and/or pipeline facilities for each State in which INTRAsate systems exist within this OPID.

| | | | | | | | | | |
|--|---|-----|------|------|----|----|----|-------------|----|
| PARTs H, I, J, K, L, M, P, Q, and R | | | | | | | | | |
| The data reported in these PARTs applies to: <i>(select only one)</i> | | | | | | | | | |
| INTRASTATE pipelines/pipeline facilities INDIANA | | | | | | | | | |
| PART H - MILES OF TRANSMISSION PIPE BY NOMINAL PIPE SIZE (NPS) | | | | | | | | | |
| Onshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 5.25 | .75 | 3.53 | 4.98 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles); 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |
| 14.51 | Total Miles of Onshore Pipe – Transmission | | | | | | | | |
| Offshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles); 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |
| 0 | Total Miles of Offshore Pipe – Transmission | | | | | | | | |
| PART I - MILES OF GATHERING PIPE BY NOMINAL PIPE SIZE (NPS) | | | | | | | | | |
| Onshore Type A | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |

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| | | | | | | | | | |
|----------------|--|----|----|----|----|----|----|-------------|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | |
| 0 | Total Miles of Onshore Type A Pipe – Gathering | | | | | | | | |
| Onshore Type B | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | |
| 0 | Total Miles of Onshore Type B Pipe – Gathering | | | | | | | | |
| Offshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | |
| 0 | Total Miles of Offshore Pipe – Gathering | | | | | | | | |

| PART J – MILES OF PIPE BY DECADE INSTALLED | | | | | | |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Decade Pipe Installed | Unknown | Pre-40 | 1940 - 1949 | 1950 - 1959 | 1960 - 1969 | 1970 - 1979 |
| Transmission | | | | | | |
| Onshore | .01 | 0 | 0 | 0 | 0 | .05 |
| Offshore | | | | | | |
| Subtotal Transmission | .01 | 0 | 0 | 0 | 0 | .05 |
| Gathering | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | | | | | | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | .01 | 0 | 0 | 0 | 0 | .05 |
| Decade Pipe Installed | 1980 - 1989 | 1990 - 1999 | 2000 - 2009 | 2010 - 2019 | | Total Miles |
| Transmission | | | | | | |
| Onshore | 3.41 | 1.27 | 3.58 | 6.18 | | 14.5 |
| Offshore | | | | | | |
| Subtotal Transmission | 3.41 | 1.27 | 3.58 | 6.18 | | 14.5 |
| Gathering | | | | | | |

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| | | | | | |
|--------------------|-------------|-------------|-------------|-------------|-------------|
| Onshore Type A | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 |
| Offshore | | | | | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 |
| Total Miles | 3.41 | 1.27 | 3.58 | 6.18 | 14.5 |

PART K- MILES OF TRANSMISSION PIPE BY SPECIFIED MINIMUM YIELD STRENGTH

| ONSHORE | CLASS LOCATION | | | | Total Miles |
|---|----------------|------------|------------|----------|-------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | |
| Steel pipe Less than 20% SMYS | 5.58 | 0 | .11 | 0 | 5.69 |
| Steel pipe Greater than or equal to 20% SMYS but less than 30% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than or equal to 30% SMYS but less than or equal to 40% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 40% SMYS but less than or equal to 50% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 50% SMYS but less than or equal to 60% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 60% SMYS but less than or equal to 72% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 72% SMYS but less than or equal to 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Unknown percent of SMYS | 2.7 | 0 | .22 | 0 | 2.92 |
| All Non-Steel pipe | 5.01 | .88 | 0 | 0 | 5.89 |
| Onshore Totals | 13.29 | .88 | .33 | 0 | 14.5 |
| OFFSHORE | Class 1 | | | | |
| Less than or equal to 50% SMYS | 0 | | | | |
| Greater than 50% SMYS but less than or equal to 72% SMYS | 0 | | | | |
| Steel pipe Greater than 72% SMYS | 0 | | | | |
| Steel Pipe Unknown percent of SMYS | 0 | | | | |
| All non-steel pipe | 0 | | | | |
| Offshore Total | 0 | | | | 0 |
| Total Miles | 13.29 | | | | 14.5 |

PART L - MILES OF PIPE BY CLASS LOCATION

| | Class Location | | | | Total Class Location Miles | HCA Miles in the IMP Program |
|-----------------------|----------------|---------|---------|---------|----------------------------|------------------------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | | |
| Transmission | | | | | | |
| Onshore | 13.29 | .88 | .33 | 0 | 14.5 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Transmission | 13.29 | .88 | .33 | 0 | 14.5 | |
| Gathering | | | | | | |

Notice: This report is required by 49 CFR Part 191. Failure to report may result in a civil penalty not to exceed \$100,000 for each violation for each day the violation continues up to a maximum of \$1,000,000 as provided in 49 USC 60122.

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| | | | | | | |
|--------------------|-------|-----|-----|---|------|---|
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | |
| Total Miles | 13.29 | .88 | .33 | 0 | 14.5 | 0 |

PART M – FAILURES, LEAKS, AND REPAIRS

PART M1 – ALL LEAKS ELIMINATED/REPAIRED IN CALENDAR YEAR; INCIDENTS & FAILURES IN HCA SEGMENTS IN CALENDAR YEAR

| Cause | Transmission Leaks, and Failures | | | | | Gathering Leaks | | |
|---|----------------------------------|---------|----------------|---------|--------------------------|-----------------|--------|----------------|
| | Leaks | | | | Failures in HCA Segments | Onshore Leaks | | Offshore Leaks |
| | Onshore Leaks | | Offshore Leaks | | | Type A | Type B | |
| | HCA | Non-HCA | HCA | Non-HCA | | | | |
| External Corrosion | | 0 | | 0 | | | | |
| Internal Corrosion | | 0 | | 0 | | | | |
| Stress Corrosion Cracking | | 0 | | 0 | | | | |
| Manufacturing | | 0 | | 0 | | | | |
| Construction | | 0 | | 0 | | | | |
| Equipment | | 0 | | 0 | | | | |
| Incorrect Operations | | 0 | | 0 | | | | |
| Third Party Damage/Mechanical Damage | | | | | | | | |
| Excavation Damage | | 0 | | 0 | | | | |
| Previous Damage (due to Excavation Activity) | | 0 | | 0 | | | | |
| Vandalism (includes all Intentional Damage) | | 0 | | 0 | | | | |
| Weather Related/Other Outside Force | | | | | | | | |
| Natural Force Damage (all) | | 0 | | 0 | | | | |
| Other Outside Force Damage (excluding Vandalism and all Intentional Damage) | | 0 | | 0 | | | | |
| Other | | 0 | | 0 | | | | |
| Total | | 0 | | 0 | | | | |

PART M2 – KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR

| Transmission | | Gathering | |
|--|---|--------------------|---|
| PART M3 – LEAKS ON FEDERAL LAND OR OCS REPAIRED OR SCHEDULED FOR REPAIR | | | |
| Transmission | | Gathering | |
| Onshore | 0 | Onshore Type A | |
| | | Onshore Type B | |
| OCS | 0 | OCS | 0 |
| Subtotal Transmission | 0 | Subtotal Gathering | 0 |
| Total | 0 | | |

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| PART P - MILES OF PIPE BY MATERIAL AND CORROSION PROTECTION STATUS | | | | | | | | | | |
|---|------------------------------|--------|--------------------------------|--------|-----------|--------------|---------|------------------------|--------------------|-------------|
| | Steel Cathodically protected | | Steel Cathodically unprotected | | Cast Iron | Wrought Iron | Plastic | Composite ¹ | Other ² | Total Miles |
| | Bare | Coated | Bare | Coated | | | | | | |
| Transmission | | | | | | | | | | |
| Onshore | 0 | 8.6 | .01 | 0 | 0 | 0 | 5.89 | 0 | 0 | 14.5 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Transmission | 0 | 8.6 | .01 | 0 | 0 | 0 | 5.89 | 0 | 0 | 14.5 |
| Gathering | | | | | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | 0 | 8.6 | .01 | 0 | 0 | 0 | 5.89 | 0 | 0 | 14.5 |

¹Use of Composite pipe requires PHMSA Special Permit or waiver from a State

²specify Other material(s):

| Part Q - Gas Transmission Miles by §192.619 MAOP Determination Method | | | | | | | | | | | | | | | |
|--|--------------|---------------------------|--------------|---------------------------|--------------|---------------------------|--------------|---------------------------|-----------|------------------------|-----------|------------------------|--------------------------|--------------------------|--|
| | (a)(1) Total | (a)(1) Incomplete Records | (a)(2) Total | (a)(2) Incomplete Records | (a)(3) Total | (a)(3) Incomplete Records | (a)(4) Total | (a)(4) Incomplete Records | (c) Total | (c) Incomplete Records | (d) Total | (d) Incomplete Records | Other ¹ Total | Other Incomplete Records | |
| Class 1 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 1 (not in HCA) | .88 | | 12.41 | | 0 | | 0 | | 0 | | 0 | | 0 | | |
| Class 2 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 2 (not in HCA) | .88 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | |
| Class 3 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 3 (not in HCA) | 0 | 0 | .34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 4 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 4 (not in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total | 1.76 | 0 | 12.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grand Total | | | | | | | | | 14.51 | | | | | | |
| Sum of Total row for all "Incomplete Records" columns | | | | | | | | | 0 | | | | | | |

¹Specify Other method(s):

| | | | |
|------------------|--|----------------------|--|
| Class 1 (in HCA) | | Class 1 (not in HCA) | |
| Class 2 (in HCA) | | Class 2 (not in HCA) | |
| Class 3 (in HCA) | | Class 3 (not in HCA) | |
| Class 4 (in HCA) | | Class 4 (not in HCA) | |

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| Part R – Gas Transmission Miles by Pressure Test (PT) Range and Internal Inspection | | | | | | |
|---|--------------------------------|------------------------------------|--------------------------------|--|--------------------------------|------------------------------------|
| | PT ≥ 1.25 MAOP | | 1.25 MAOP > PT ≥ 1.1 MAOP | | PT < 1.1 or No PT | |
| Location | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE |
| Class 1 in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 2 in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 3 in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 4 in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| in HCA subTotal | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 1 not in HCA | .02 | 10.04 | 0 | 0 | 0 | 3.23 |
| Class 2 not in HCA | 0 | 0 | 0 | 0 | 0 | .88 |
| Class 3 not in HCA | 0 | .36 | 0 | 0 | 0 | 0 |
| Class 4 not in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| not in HCA subTotal | .02 | 10.4 | 0 | 0 | 0 | 4.11 |
| Total | .02 | 10.4 | 0 | 0 | 0 | 4.11 |
| PT ≥ 1.25 MAOP Total | | | 10.42 | Total Miles Internal Inspection ABLE | | .02 |
| 1.25 MAOP > PT ≥ 1.1 MAOP Total | | | 0 | Total Miles Internal Inspection NOT ABLE | | 14.51 |
| PT < 1.1 or No PT Total | | | 4.11 | Grand Total | | 14.53 |
| Grand Total | | | 14.53 | | | |

PARTs H, I, J, K, L, M, P, Q, and R

The data reported in these PARTs applies to: *(select only one)*

INTRASTATE pipelines/pipeline facilities KENTUCKY

PART H - MILES OF TRANSMISSION PIPE BY NOMINAL PIPE SIZE (NPS)

| | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
|-----------------|--|-------|-------|-------|-----|-------|----|-------------|----|
| | Onshore | 30.37 | 10.17 | 20.55 | 1.3 | 98.67 | 0 | 85.11 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 2.48 | 6.39 | 0 | 0 | .02 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | |
| 383.32 | Total Miles of Onshore Pipe – Transmission | | | | | | | | |
| Offshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |

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| | | | | | | | | | |
|---|----|----|----|----|----|----|----|-------------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |

| | |
|---|---|
| 0 | Total Miles of Offshore Pipe – Transmission |
|---|---|

PART I - MILES OF GATHERING PIPE BY NOMINAL PIPE SIZE (NPS)

| | | | | | | | | | |
|--|---------------|----|----|----|----|----|----|-------------|----|
| Onshore Type A | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |

| | |
|---|--|
| 0 | Total Miles of Onshore Type A Pipe – Gathering |
|---|--|

| | | | | | | | | | |
|--|---------------|----|----|----|----|----|----|-------------|----|
| Onshore Type B | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |

| | |
|---|--|
| 0 | Total Miles of Onshore Type B Pipe – Gathering |
|---|--|

| | | | | | | | | | |
|--|---------------|----|----|----|----|----|----|-------------|----|
| Offshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |

| | |
|---|--|
| 0 | Total Miles of Offshore Pipe – Gathering |
|---|--|

PART J – MILES OF PIPE BY DECADE INSTALLED

Notice: This report is required by 49 CFR Part 191. Failure to report may result in a civil penalty not to exceed \$100,000 for each violation for each day the violation continues up to a maximum of \$1,000,000 as provided in 49 USC 60122.

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| Decade Pipe Installed | Unknown | Pre-40 | 1940 - 1949 | 1950 - 1959 | 1960 - 1969 | 1970 - 1979 |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Transmission | | | | | | |
| Onshore | 4.6 | 0 | 0 | 84.01 | 65.19 | 69.12 |
| Offshore | | | | | | |
| Subtotal Transmission | 4.6 | 0 | 0 | 84.01 | 65.19 | 69.12 |
| Gathering | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | | | | | | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | 4.6 | 0 | 0 | 84.01 | 65.19 | 69.12 |
| Decade Pipe Installed | 1980 - 1989 | 1990 - 1999 | 2000 - 2009 | 2010 - 2019 | Total Miles | |
| Transmission | | | | | | |
| Onshore | 50.84 | 52.49 | 22.34 | 34.73 | 383.32 | |
| Offshore | | | | | | |
| Subtotal Transmission | 50.84 | 52.49 | 22.34 | 34.73 | 383.32 | |
| Gathering | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | |
| Offshore | | | | | | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | |
| Total Miles | 50.84 | 52.49 | 22.34 | 34.73 | 383.32 | |

PART K- MILES OF TRANSMISSION PIPE BY SPECIFIED MINIMUM YIELD STRENGTH

| ONSHORE | CLASS LOCATION | | | | Total Miles |
|---|----------------|---------|---------|---------|-------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | |
| Steel pipe Less than 20% SMYS | 27.8 | 4.03 | 9.2 | 0 | 41.03 |
| Steel pipe Greater than or equal to 20% SMYS but less than 30% SMYS | 23.46 | 11.23 | 32.93 | 0 | 67.62 |
| Steel pipe Greater than or equal to 30% SMYS but less than or equal to 40% SMYS | 12.05 | .62 | 22.06 | 0 | 34.73 |
| Steel pipe Greater than 40% SMYS but less than or equal to 50% SMYS | 43.26 | 15.82 | 6.56 | 0 | 65.64 |
| Steel pipe Greater than 50% SMYS but less than or equal to 60% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 60% SMYS but less than or equal to 72% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 72% SMYS but less than or equal to 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Unknown percent of SMYS | 81.76 | 21.19 | 70.19 | 0 | 173.14 |
| All Non-Steel pipe | 1.15 | 0 | 0 | 0 | 1.15 |
| Onshore Totals | 189.48 | 52.89 | 140.94 | 0 | 383.31 |

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| | | |
|--|---------|--------|
| OFFSHORE | Class I | |
| Less than or equal to 50% SMYS | 0 | |
| Greater than 50% SMYS but less than or equal to 72% SMYS | 0 | |
| Steel pipe Greater than 72% SMYS | 0 | |
| Steel Pipe Unknown percent of SMYS | 0 | |
| All non-steel pipe | 0 | |
| Offshore Total | 0 | 0 |
| Total Miles | 189.48 | 383.31 |

PART L - MILES OF PIPE BY CLASS LOCATION

| | Class Location | | | | Total Class Location Miles | HCA Miles in the IMP Program |
|-----------------------|----------------|---------|---------|---------|----------------------------|------------------------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | | |
| Transmission | | | | | | |
| Onshore | 189.48 | 52.89 | 140.94 | 0 | 383.31 | 46.35 |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Transmission | 189.48 | 52.89 | 140.94 | 0 | 383.31 | |
| Gathering | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | |
| Total Miles | 189.48 | 52.89 | 140.94 | 0 | 383.31 | 46.35 |

PART M – FAILURES, LEAKS, AND REPAIRS

PART M1 – ALL LEAKS ELIMINATED/REPAIRED IN CALENDAR YEAR; INCIDENTS & FAILURES IN HCA SEGMENTS IN CALENDAR YEAR

| Cause | Transmission Leaks, and Failures | | | | | Gathering Leaks | | |
|---|----------------------------------|---------|----------------|---------|--------------------------|-----------------|--------|----------------|
| | Leaks | | | | Failures in HCA Segments | Onshore Leaks | | Offshore Leaks |
| | Onshore Leaks | | Offshore Leaks | | | Type A | Type B | |
| | HCA | Non-HCA | HCA | Non-HCA | | | | |
| External Corrosion | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Internal Corrosion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stress Corrosion Cracking | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Equipment | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Incorrect Operations | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Third Party Damage/Mechanical Damage | | | | | | | | |
| Excavation Damage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Previous Damage (due to Excavation Activity) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vandalism (includes all Intentional Damage) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weather Related/Other Outside Force | | | | | | | | |
| Natural Force Damage (all) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Outside Force Damage (excluding Vandalism and all Intentional Damage) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |

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| PART M2 – KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR | | | |
|---|---|--------------------|---|
| Transmission | 0 | Gathering | 0 |
| PART M3 – LEAKS ON FEDERAL LAND OR OCS REPAIRED OR SCHEDULED FOR REPAIR | | | |
| Transmission | | Gathering | |
| Onshore | 0 | Onshore Type A | 0 |
| | | Onshore Type B | 0 |
| OCS | 0 | OCS | 0 |
| Subtotal Transmission | 0 | Subtotal Gathering | 0 |
| Total | 0 | | |

| PART P - MILES OF PIPE BY MATERIAL AND CORROSION PROTECTION STATUS | | | | | | | | | | |
|--|------------------------------|--------|--------------------------------|--------|-----------|--------------|---------|------------------------|--------------------|-------------|
| | Steel Cathodically protected | | Steel Cathodically unprotected | | Cast Iron | Wrought Iron | Plastic | Composite ¹ | Other ² | Total Miles |
| | Bare | Coated | Bare | Coated | | | | | | |
| Transmission | | | | | | | | | | |
| Onshore | .9 | 378.09 | 3.15 | .02 | 0 | 0 | 1.15 | 0 | 0 | 383.31 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Transmission | .9 | 378.09 | 3.15 | .02 | 0 | 0 | 1.15 | 0 | 0 | 383.31 |
| Gathering | | | | | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | .9 | 378.09 | 3.15 | .02 | 0 | 0 | 1.15 | 0 | 0 | 383.31 |

¹Use of Composite pipe requires PHMSA Special Permit or waiver from a State
²specify Other material(s):

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Part Q - Gas Transmission Miles by §192.619 MAOP Determination Method

| | (a)(1) Total | (a)(1) Incomplete Records | (a)(2) Total | (a)(2) Incomplete Records | (a)(3) Total | (a)(3) Incomplete Records | (a)(4) Total | (a)(4) Incomplete Records | (c) Total | (c) Incomplete Records | (d) Total | (d) Incomplete Records | Other ¹ Total | Other Incomplete Records | |
|--|-----------------|---------------------------------|-----------------|---------------------------------|-----------------|---------------------------------|-----------------|---------------------------------|---------------|------------------------------|--------------|------------------------------|-----------------------------|--------------------------------|--|
| Class 1 (in HCA) | .11 | 0 | .01 | .01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 1 (not in HCA) | 52.63 | | 95.65 | | 0 | | 0 | | 41.08 | | 0 | | 0 | | |
| Class 2 (in HCA) | .15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 2 (not in HCA) | 13.26 | | 23.62 | | 0 | | 0 | | 15.87 | | 0 | | 0 | | |
| Class 3 (in HCA) | 7.49 | 0 | 23.52 | 3.67 | 0 | 0 | 0 | 0 | 15.08 | 6.75 | 0 | 0 | 0 | 0 | |
| Class 3 (not in HCA) | 10.37 | .02 | 45.02 | 7.57 | 0 | 0 | 0 | 0 | 39.47 | 7.98 | 0 | 0 | 0 | 0 | |
| Class 4 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 4 (not in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Total | 84.01 | .02 | 187.82 | 11.25 | 0 | 0 | 0 | 0 | 111.5 | 14.73 | 0 | 0 | 0 | 0 | |
| Grand Total | | | | | | | | | 383.33 | | | | | | |
| Sum of Total row for all "Incomplete Records" columns | | | | | | | | | 26 | | | | | | |

¹Specify Other method(s):

| | | | |
|------------------|--|----------------------|--|
| Class 1 (in HCA) | | Class 1 (not in HCA) | |
| Class 2 (in HCA) | | Class 2 (not in HCA) | |
| Class 3 (in HCA) | | Class 3 (not in HCA) | |
| Class 4 (in HCA) | | Class 4 (not in HCA) | |

Part R - Gas Transmission Miles by Pressure Test (PT) Range and Internal Inspection

| Location | PT ≥ 1.25 MAOP | | 1.25 MAOP > PT ≥ 1.1 MAOP | | PT < 1.1 or No PT | | |
|---|--------------------------------|------------------------------------|--------------------------------|------------------------------------|---|------------------------------------|---------------|
| | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | |
| Class 1 in HCA | .11 | 0 | 0 | 0 | .01 | 0 | |
| Class 2 in HCA | .15 | 0 | 0 | 0 | 0 | 0 | |
| Class 3 in HCA | 26.37 | .7 | 0 | 0 | 18.42 | .59 | |
| Class 4 in HCA | 0 | 0 | 0 | 0 | 0 | 0 | |
| in HCA subTotal | 26.63 | .7 | 0 | 0 | 18.43 | .59 | |
| Class 1 not in HCA | 65.98 | 55.7 | 0 | .33 | 44.19 | 23.16 | |
| Class 2 not in HCA | 17.38 | 9.29 | 0 | .36 | 15.59 | 10.13 | |
| Class 3 not in HCA | 42.23 | 4.69 | 0 | 0 | 45.2 | 2.76 | |
| Class 4 not in HCA | 0 | 0 | 0 | 0 | 0 | 0 | |
| not in HCA subTotal | 125.59 | 69.68 | 0 | .69 | 104.98 | 36.05 | |
| Total | 152.22 | 70.38 | 0 | .69 | 123.41 | 36.64 | |
| PT ≥ 1.25 MAOP Total | | | 222.6 | | Total Miles Internal Inspection ABLE | | 275.63 |
| 1.25 MAOP > PT ≥ 1.1 MAOP Total | | | .69 | | Total Miles Internal Inspection NOT ABLE | | 107.71 |
| PT < 1.1 or No PT Total | | | 160.05 | | Grand Total | | 383.34 |
| Grand Total | | | 383.34 | | | | |

Notice: This report is required by 49 CFR Part 191. Failure to report may result in a civil penalty not to exceed \$100,000 for each violation for each day the violation continues up to a maximum of \$1,000,000 as provided in 49 USC 60122.

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Clyde

For the designated Commodity Group, complete PART N one time for all of the pipelines and/or pipeline facilities included within this OPID, and then also PART O if any gas transmission pipeline facilities included within this OPID have Part L HCA mile value greater than zero.

| | |
|------------------------------------|----------------------|
| PART N - PREPARER SIGNATURE | |
| Elliott Bauer | (502)364-8507 |
| Preparer's Name(type or print) | Telephone Number |
| Civil Engineer | |
| Preparer's Title | |
| Elliott.Bauer@lge-ku.com | |
| Preparer's E-mail Address | |

| | |
|---|----------------------|
| PART O - CERTIFYING SIGNATURE (applicable only to PARTs B, F, G, and M1) | |
| | (502)627-4830 |
| | Telephone Number |
| Lonnie E Bellar | |
| Senior Executive Officer's name certifying the information in PARTs B, F, G, and M as required by 49 U.S.C. 60109(f) | |
| Senior Vice President Operations | |
| Senior Executive Officer's title certifying the information in PARTs B, F, G, and M as required by 49 U.S.C. 60109(f) | |
| lonnie.bellar@lge-ku.com | |
| Senior Executive Officer's E-mail Address | |

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated April 9, 2019**

Case No. 2017-00482

Question No. 2

Responding Witness: Peter Clyde

- Q-2. Refer to the 2017 Annual Report, Part F, Section 2, pages 4-5, in which LG&E reported that it inspected 17.2 miles of transmission pipeline in 2017 using metal loss in-line inspection (ILI) tools and 53.39 miles using dent or deformation ILI tools and based on these inspections, LG&E identified and excavated 9 anomalous conditions, none of which were located in a High Consequence Area (HCA).
- a. State how many miles of the Calvary Pipeline were inspected in 2017 by metal loss tools and by dent or deformation tools.
 - b. How many of the nine anomalous conditions that were excavated were located on the Calvary Pipeline?
- A-2.
- a. The mileage of pipeline inspected in 2017 is listed in Part F, Section 1, of the Company's 2017 Annual Report. The mileage indicated in Section 1 includes approximately 53 miles of dent or deformation tool inspections and no metal loss tool inspections on the Calvary pipeline. Although multiple attempts were made to inspect the Calvary pipeline with a metal loss tool in 2017, a complete inspection of the Calvary pipeline was not accomplished in 2017.
 - b. None of the nine anomalous conditions that were excavated were located on the Calvary pipeline.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated April 9, 2019**

Case No. 2017-00482


Question No. 3

Responding Witness: Peter Clyde

- Q-3. Provide LG&E's 2018 Annual Report, Natural or Other Gas Transmission and Gathering Systems, Form PHMSA 7100.2-1 (2018 Annual Report).
- A-3. Please see attached.

Notice: This report is required by 49 CFR Part 191. Failure to report may result in a civil penalty not to exceed \$100,000 for each violation for each day the violation continues up to a maximum of \$1,000,000 as provided in 49 USC 60122.

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| | | |
|--|---|--|
|  <p>U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration</p> | <p>ANNUAL REPORT FOR CALENDAR YEAR 2018 NATURAL OR OTHER GAS TRANSMISSION and GATHERING SYSTEMS</p> | <p>Initial Date Submitted</p> <p style="text-align: center;">03/08/2019</p> |
| | | <p>Report Submission Type</p> <p style="text-align: center;">INITIAL</p> |
| | | <p>Date Submitted</p> |
| <p>A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2137-0522. Public reporting for this collection of information is estimated to be approximately 42 hours per response, including the time for reviewing instructions, gathering the data needed, and completing and reviewing the collection of information. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, PHMSA, Office of Pipeline Safety (PHP-30) 1200 New Jersey Avenue, SE, Washington, D.C. 20590.</p> <p>Important: Please read the separate instructions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the PHMSA Pipeline Safety Community Web Page at http://www.phmsa.dot.gov/pipeline/library/forms.</p> | | |
| <p>PART A - OPERATOR INFORMATION</p> | | <p>DOT USE ONLY 20190413 - 35749</p> |
| <p>1. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER (OPID)</p> <p style="text-align: center;">11824</p> | <p>2. NAME OF OPERATOR:</p> <p style="text-align: center;">LOUISVILLE GAS & ELECTRIC CO</p> | |
| <p>3. RESERVED</p> | <p>4. HEADQUARTERS ADDRESS:</p> <p style="text-align: center;">220 W MAIN ST, PO BOX 32010 Street Address</p> <p style="text-align: center;">LOUISVILLE City</p> <p>State: KY Zip Code: 40202</p> | |
| <p>5. THIS REPORT PERTAINS TO THE FOLLOWING COMMODITY GROUP: (Select Commodity Group based on the predominant gas carried and complete the report for that Commodity Group. File a separate report for each Commodity Group included in this OPID.)</p> <p>Natural Gas</p> | | |
| <p>6. RESERVED</p> | | |
| <p>7. FOR THE DESIGNATED "COMMODITY GROUP", THE PIPELINES AND/OR PIPELINE FACILITIES INCLUDED WITHIN THIS OPID ARE: (Select one or both)</p> <p style="padding-left: 40px;">INTERstate pipeline – List all of the States and OSC portions in which INTERstate pipelines and/or pipeline facilities included under this OPID exist. etc.</p> <p style="padding-left: 40px;">INTRAstate pipeline – List all of the States in which INTRAstate pipelines and or pipeline facilities included under this OPID exist. INDIANA, KENTUCKY etc.</p> | | |
| <p>8. RESERVED</p> | | |

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Clyde

For the designated Commodity Group, PARTs B and D will be calculated based on the data entered in Parts L and P respectively. Complete Part C one time for all pipelines and/or pipeline facilities – both INTERstate and INTRAstate - included within this OPID.

| PART B – TRANSMISSION PIPELINE HCA MILES | |
|--|---------------------|
| | Number of HCA Miles |
| Onshore | 40.9 |
| Offshore | 0 |
| Total Miles | 40.9 |

| PART C - VOLUME TRANSPORTED IN TRANSMISSION PIPELINES (ONLY) IN MILLION SCF PER YEAR (excludes Transmission lines of Gas Distribution systems) | Check this box and do not complete PART C if this report only includes gathering pipelines or transmission lines of gas distribution systems. | |
|--|---|----------|
| | <input type="checkbox"/> | |
| | Onshore | Offshore |
| Natural Gas | 42230.25 | |
| Propane Gas | | |
| Synthetic Gas | | |
| Hydrogen Gas | | |
| Landfill Gas | | |
| Other Gas - Name: | | |

| PART D - MILES OF STEEL PIPE BY CORROSION PROTECTION | | | | | | | | | | |
|--|------------------------------|--------|--------------------------------|--------|-----------|--------------|---------|------------------------|-------|-------------|
| | Steel Cathodically protected | | Steel Cathodically unprotected | | Cast Iron | Wrought Iron | Plastic | Composite ¹ | Other | Total Miles |
| | Bare | Coated | Bare | Coated | | | | | | |
| Transmission | | | | | | | | | | |
| Onshore | .64 | 359.22 | 3.06 | .02 | 0 | 0 | 7.04 | 0 | 0 | 369.98 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Transmission | .64 | 359.22 | 3.06 | .02 | 0 | 0 | 7.04 | 0 | 0 | 369.98 |
| Gathering | | | | | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | .64 | 359.22 | 3.06 | .02 | 0 | 0 | 7.04 | 0 | 0 | 369.98 |

¹Use of Composite pipe requires a PHMSA Special Permit or waiver from a State

PART E – RESERVED

Notice: This report is required by 49 CFR Part 191. Failure to report may result in a civil penalty not to exceed \$100,000 for each violation for each day the violation continues up to a maximum of \$1,000,000 as provided in 49 USC 60122.

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Clyde

For the designated Commodity Group, complete PARTs F and G one time for all INTERstate pipeline facilities included within this OPID and multiple times as needed for the designated Commodity Group for each State in which INTRAsstate pipeline facilities included within this OPID exist. Part F "WITHIN AN HCA SEGMENT" data and Part G may be completed only if HCA Miles in Part L is greater than zero.

| |
|---|
| PARTs F and G |
| The data reported in these PARTs applies to: <i>(select only one)</i> |
| <input type="checkbox"/> Interstate pipelines/pipeline facilities |
| <input checked="" type="checkbox"/> Intrastate pipelines/pipeline facilities in the State of INDIANA <i>(complete for each State)</i> |

| | |
|---|--|
| PART F - INTEGRITY INSPECTIONS CONDUCTED AND ACTIONS TAKEN BASED ON INSPECTION | |
| 1. MILEAGE INSPECTED IN CALENDAR YEAR USING THE FOLLOWING IN-LINE INSPECTION (ILI) TOOLS | |
| a. Corrosion or metal loss tools | |
| b. Dent or deformation tools | |
| c. Crack or long seam defect detection tools | |
| d. Any other internal inspection tools, specify other tools: | |
| 1. Internal Inspection Tools - Other | |
| e. Total tool mileage inspected in calendar year using in-line inspection tools. (Lines a + b + c + d) | |
| 2. ACTIONS TAKEN IN CALENDAR YEAR BASED ON IN-LINE INSPECTIONS | |
| a. Based on ILI data, total number of anomalies excavated in calendar year because they met the operator's criteria for excavation. | |
| b. Total number of anomalies repaired in calendar year that were identified by ILI based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of conditions repaired WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 3. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON PRESSURE TESTING | |
| a. Total mileage inspected by pressure testing in calendar year. | |
| b. Total number of pressure test failures (ruptures and leaks) repaired in calendar year, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of pressure test ruptures (complete failure of pipe wall) repaired in calendar year WITHIN AN HCA SEGMENT. | |
| d. Total number of pressure test leaks (less than complete wall failure but including escape of test medium) repaired in calendar year WITHIN AN HCA SEGMENT. | |
| 4. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON DA (Direct Assessment methods) | |
| a. Total mileage inspected by each DA method in calendar year. | |
| 1. ECDA | |
| 2. ICDA | |
| 3. SCCDA | |
| b. Total number of anomalies identified by each DA method and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| 1. ECDA | |
| 2. ICDA | |
| 3. SCCDA | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |

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| | |
|--|--|
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 5. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON OTHER INSPECTION TECHNIQUES | |
| a. Total mileage inspected by inspection techniques other than those listed above in calendar year. | |
| 1. Other Inspection Techniques | |
| b. Total number of anomalies identified by other inspection techniques and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 6. TOTAL MILEAGE INSPECTED (ALL METHODS) AND ACTIONS TAKEN IN CALENDAR YEAR | |
| a. Total mileage inspected in calendar year. (Lines 1.e + 3.a + 4.a.1 + 4.a.2 + 4.a.3 + 5.a) | |
| b. Total number of anomalies repaired in calendar year both within an HCA Segment and outside of an HCA Segment. (Lines 2.b + 3.b + 4.b.1 + 4.b.2 + 4.b.3 + 5.b) | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT. (Lines 2.c.1 + 2.c.2 + 2.c.3 + 2.c.4 + 3.c + 3.d + 4.c.1 + 4.c.2 + 4.c.3 + 4.c.4 + 5.c.1 + 5.c.2 + 5.c.3 + 5.c.4) | |
| d. Total number of actionable anomalies eliminated by pipe replacement in calendar year WITHIN AN HCA SEGMENT: | |
| e. Total number of actionable anomalies eliminated by pipe abandonment in calendar year WITHIN AN HCA SEGMENT: | |
| PART G- MILES OF BASELINE ASSESSMENTS AND REASSESSMENTS COMPLETED IN CALENDAR YEAR (HCA Segment miles ONLY) | |
| a. Baseline assessment miles completed during the calendar year. | |
| b. Reassessment miles completed during the calendar year. | |
| c. Total assessment and reassessment miles completed during the calendar year. | |

PARTs F and G

The data reported in these PARTs applies to: *(select only one)*

Interstate pipelines/pipeline facilities

Intrastate pipelines/pipeline facilities in the State of KENTUCKY *(complete for each State)*

| | |
|---|--------------|
| PART F - INTEGRITY INSPECTIONS CONDUCTED AND ACTIONS TAKEN BASED ON INSPECTION | |
| 1. MILEAGE INSPECTED IN CALENDAR YEAR USING THE FOLLOWING IN-LINE INSPECTION (ILI) TOOLS | |
| a. Corrosion or metal loss tools | 104.3 |
| b. Dent or deformation tools | 104.3 |
| c. Crack or long seam defect detection tools | 59.72 |
| d. Any other internal inspection tools, specify other tools: | 50.5 |
| 1. Internal Inspection Tools - Other | XYZ Inertial |
| e. Total tool mileage inspected in calendar year using in-line inspection tools. (Lines a + b + c + d) | 318.82 |
| 2. ACTIONS TAKEN IN CALENDAR YEAR BASED ON IN-LINE INSPECTIONS | |
| a. Based on ILI data, total number of anomalies excavated in calendar year because they met the operator's criteria for excavation. | 12 |

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| | |
|--|--------|
| b. Total number of anomalies repaired in calendar year that were identified by ILI based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | 12 |
| c. Total number of conditions repaired WITHIN AN HCA SEGMENT meeting the definition of: | 4 |
| 1. "Immediate repair conditions" [192.933(d)(1)] | 3 |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | 1 |
| 3. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON PRESSURE TESTING | |
| a. Total mileage inspected by pressure testing in calendar year. | 0 |
| b. Total number of pressure test failures (ruptures and leaks) repaired in calendar year, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of pressure test ruptures (complete failure of pipe wall) repaired in calendar year WITHIN AN HCA SEGMENT. | |
| d. Total number of pressure test leaks (less than complete wall failure but including escape of test medium) repaired in calendar year WITHIN AN HCA SEGMENT. | |
| 4. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON DA (Direct Assessment methods) | |
| a. Total mileage inspected by each DA method in calendar year. | |
| 1. ECDA | |
| 2. ICDA | |
| 3. SCCDA | |
| b. Total number of anomalies identified by each DA method and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| 1. ECDA | |
| 2. ICDA | |
| 3. SCCDA | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 5. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON OTHER INSPECTION TECHNIQUES | |
| a. Total mileage inspected by inspection techniques other than those listed above in calendar year. | |
| 1. Other Inspection Techniques | |
| b. Total number of anomalies identified by other inspection techniques and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 6. TOTAL MILEAGE INSPECTED (ALL METHODS) AND ACTIONS TAKEN IN CALENDAR YEAR | |
| a. Total mileage inspected in calendar year. (Lines 1.e + 3.a + 4.a.1 + 4.a.2 + 4.a.3 + 5.a) | 318.82 |
| b. Total number of anomalies repaired in calendar year both within an HCA Segment and outside of an HCA Segment. (Lines 2.b + 3.b + 4.b.1 + 4.b.2 + 4.b.3 + 5.b) | 12 |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT. (Lines 2.c.1 + 2.c.2 + 2.c.3 + 2.c.4 + 3.c + 3.d + 4.c.1 + 4.c.2 + 4.c.3 + 4.c.4 + 5.c.1 + 5.c.2 + 5.c.3 + 5.c.4) | 4 |
| d. Total number of actionable anomalies eliminated by pipe replacement in calendar year WITHIN AN HCA SEGMENT: | 0 |
| e. Total number of actionable anomalies eliminated by pipe abandonment in calendar year WITHIN AN HCA SEGMENT: | 0 |
| PART G— MILES OF BASELINE ASSESSMENTS AND REASSESSMENTS COMPLETED IN CALENDAR YEAR (HCA Segment miles ONLY) | |

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| | |
|--|-------|
| a. Baseline assessment miles completed during the calendar year. | .97 |
| b. Reassessment miles completed during the calendar year. | 10.58 |
| c. Total assessment and reassessment miles completed during the calendar year. | 11.55 |

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Clyde

For the designated Commodity Group, complete PARTs H, I, J, K, L, M, P Q and R covering INTERstate pipelines and/or pipeline facilities for each State in which INTERstate systems exist within this OPID and again covering INTRAsate pipelines and/or pipeline facilities for each State in which INTRAsate systems exist within this OPID.

| | | | | | | | | | |
|--|---|-----|------|------|----|----|----|-------------|----|
| PARTs H, I, J, K, L, M, P, Q, and R | | | | | | | | | |
| The data reported in these PARTs applies to: (select only one) | | | | | | | | | |
| INTRASTATE pipelines/pipeline facilities INDIANA | | | | | | | | | |
| PART H - MILES OF TRANSMISSION PIPE BY NOMINAL PIPE SIZE (NPS) | | | | | | | | | |
| Onshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 4.73 | .62 | 3.31 | 4.98 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |
| 13.64 | Total Miles of Onshore Pipe – Transmission | | | | | | | | |
| Offshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |
| 0 | Total Miles of Offshore Pipe – Transmission | | | | | | | | |
| PART I - MILES OF GATHERING PIPE BY NOMINAL PIPE SIZE (NPS) | | | | | | | | | |
| Onshore Type A | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |

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| | | | | | | | | | |
|----------------|--|----|----|----|----|----|----|-------------|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | |
| 0 | Total Miles of Onshore Type A Pipe – Gathering | | | | | | | | |
| Onshore Type B | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | |
| 0 | Total Miles of Onshore Type B Pipe – Gathering | | | | | | | | |
| Offshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | |
| 0 | Total Miles of Offshore Pipe – Gathering | | | | | | | | |

PART J – MILES OF PIPE BY DECADE INSTALLED

| Decade Pipe Installed | Unknown | Pre-40 | 1940 - 1949 | 1950 - 1959 | 1960 - 1969 | 1970 - 1979 |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Transmission | | | | | | |
| Onshore | .01 | 0 | 0 | 0 | 0 | .05 |
| Offshore | | | | | | |
| Subtotal Transmission | .01 | 0 | 0 | 0 | 0 | .05 |
| Gathering | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | | | | | | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | .01 | 0 | 0 | 0 | 0 | .05 |
| Decade Pipe Installed | 1980 - 1989 | 1990 - 1999 | 2000 - 2009 | 2010 - 2019 | Total Miles | |
| Transmission | | | | | | |
| Onshore | 2.58 | .41 | 3.58 | 7.01 | 13.64 | |
| Offshore | | | | | | |
| Subtotal Transmission | 2.58 | .41 | 3.58 | 7.01 | 13.64 | |
| Gathering | | | | | | |

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| | | | | | | |
|--------------------|-------------|------------|-------------|-------------|--|--------------|
| Onshore Type A | 0 | 0 | 0 | 0 | | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | | 0 |
| Offshore | | | | | | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | | 0 |
| Total Miles | 2.58 | .41 | 3.58 | 7.01 | | 13.64 |

PART K- MILES OF TRANSMISSION PIPE BY SPECIFIED MINIMUM YIELD STRENGTH

| ONSHORE | CLASS LOCATION | | | | Total Miles |
|---|----------------|------------|------------|----------|--------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | |
| Steel pipe Less than 20% SMYS | 5.29 | 0 | .13 | 0 | 5.42 |
| Steel pipe Greater than or equal to 20% SMYS but less than 30% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than or equal to 30% SMYS but less than or equal to 40% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 40% SMYS but less than or equal to 50% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 50% SMYS but less than or equal to 60% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 60% SMYS but less than or equal to 72% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 72% SMYS but less than or equal to 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Unknown percent of SMYS | 2.1 | 0 | .24 | 0 | 2.34 |
| All Non-Steel pipe | 5.01 | .88 | 0 | 0 | 5.89 |
| Onshore Totals | 12.4 | .88 | .37 | 0 | 13.65 |
| OFFSHORE | Class 1 | | | | |
| Less than or equal to 50% SMYS | 0 | | | | |
| Greater than 50% SMYS but less than or equal to 72% SMYS | 0 | | | | |
| Steel pipe Greater than 72% SMYS | 0 | | | | |
| Steel Pipe Unknown percent of SMYS | 0 | | | | |
| All non-steel pipe | 0 | | | | |
| Offshore Total | 0 | | | | 0 |
| Total Miles | 12.4 | | | | 13.65 |

PART L - MILES OF PIPE BY CLASS LOCATION

| | Class Location | | | | Total Class Location Miles | HCA Miles in the IMP Program |
|-----------------------|----------------|---------|---------|---------|----------------------------|------------------------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | | |
| Transmission | | | | | | |
| Onshore | 12.4 | .88 | .37 | 0 | 13.65 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Transmission | 12.4 | .88 | .37 | 0 | 13.65 | |
| Gathering | | | | | | |

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| | | | | | | |
|--------------------|------|-----|-----|---|-------|---|
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | |
| Total Miles | 12.4 | .88 | .37 | 0 | 13.65 | 0 |

PART M – FAILURES, LEAKS, AND REPAIRS

PART M1 – ALL LEAKS ELIMINATED/REPAIRED IN CALENDAR YEAR; INCIDENTS & FAILURES IN HCA SEGMENTS IN CALENDAR YEAR

| Cause | Transmission Leaks, and Failures | | | | | Gathering Leaks | | |
|---|----------------------------------|---------|----------------|---------|--------------------------|-----------------|--------|----------------|
| | Leaks | | | | Failures in HCA Segments | Onshore Leaks | | Offshore Leaks |
| | Onshore Leaks | | Offshore Leaks | | | Type A | Type B | |
| | HCA | Non-HCA | HCA | Non-HCA | | | | |
| External Corrosion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Internal Corrosion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stress Corrosion Cracking | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Incorrect Operations | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Third Party Damage/Mechanical Damage | | | | | | | | |
| Excavation Damage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Previous Damage (due to Excavation Activity) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vandalism (includes all Intentional Damage) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weather Related/Other Outside Force | | | | | | | | |
| Natural Force Damage (all) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Outside Force Damage (excluding Vandalism and all Intentional Damage) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

PART M2 – KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR

| | | | |
|--|---|--------------------|---|
| Transmission | 0 | Gathering | |
| PART M3 – LEAKS ON FEDERAL LAND OR OCS REPAIRED OR SCHEDULED FOR REPAIR | | | |
| Transmission | | Gathering | |
| Onshore | 0 | Onshore Type A | |
| | | Onshore Type B | |
| OCS | 0 | OCS | 0 |
| Subtotal Transmission | 0 | Subtotal Gathering | 0 |
| Total | 0 | | |

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| PART P - MILES OF PIPE BY MATERIAL AND CORROSION PROTECTION STATUS | | | | | | | | | | |
|--|------------------------------|-------------|--------------------------------|----------|-----------|--------------|-------------|------------------------|--------------------|--------------|
| | Steel Cathodically protected | | Steel Cathodically unprotected | | Cast Iron | Wrought Iron | Plastic | Composite ¹ | Other ² | Total Miles |
| | Bare | Coated | Bare | Coated | | | | | | |
| Transmission | | | | | | | | | | |
| Onshore | 0 | 7.74 | .01 | 0 | 0 | 0 | 5.89 | 0 | 0 | 13.64 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Transmission | 0 | 7.74 | .01 | 0 | 0 | 0 | 5.89 | 0 | 0 | 13.64 |
| Gathering | | | | | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | 0 | 7.74 | .01 | 0 | 0 | 0 | 5.89 | 0 | 0 | 13.64 |

¹Use of Composite pipe requires PHMSA Special Permit or waiver from a State

²specify Other material(s):

| Part Q - Gas Transmission Miles by §192.619 MAOP Determination Method | | | | | | | | | | | | | | | |
|---|--------------|---------------------------|--------------|---------------------------|--------------|---------------------------|--------------|---------------------------|--------------|------------------------|-----------|------------------------|--------------------------|--------------------------|--|
| | (a)(1) Total | (a)(1) Incomplete Records | (a)(2) Total | (a)(2) Incomplete Records | (a)(3) Total | (a)(3) Incomplete Records | (a)(4) Total | (a)(4) Incomplete Records | (c) Total | (c) Incomplete Records | (d) Total | (d) Incomplete Records | Other ¹ Total | Other Incomplete Records | |
| Class 1 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 1 (not in HCA) | .88 | | 11.52 | | 0 | | 0 | | 0 | | 0 | | 0 | | |
| Class 2 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 2 (not in HCA) | .88 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | |
| Class 3 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 3 (not in HCA) | 0 | 0 | .36 | .04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 4 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 4 (not in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total | 1.76 | 0 | 11.88 | .04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grand Total | | | | | | | | | 13.64 | | | | | | |
| Sum of Total row for all "Incomplete Records" columns | | | | | | | | | .04 | | | | | | |

¹Specify Other method(s):

| | | | |
|------------------|--|----------------------|--|
| Class 1 (in HCA) | | Class 1 (not in HCA) | |
| Class 2 (in HCA) | | Class 2 (not in HCA) | |
| Class 3 (in HCA) | | Class 3 (not in HCA) | |
| Class 4 (in HCA) | | Class 4 (not in HCA) | |

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| Part R – Gas Transmission Miles by Pressure Test (PT) Range and Internal Inspection | | | | | | |
|---|--------------------------------|------------------------------------|--------------------------------|--|--------------------------------|------------------------------------|
| | PT ≥ 1.25 MAOP | | 1.25 MAOP > PT ≥ 1.1 MAOP | | PT < 1.1 or No PT | |
| Location | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE |
| Class 1 in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 2 in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 3 in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 4 in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| in HCA subTotal | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 1 not in HCA | .02 | 8.89 | 0 | 0 | 0 | 3.49 |
| Class 2 not in HCA | 0 | 0 | 0 | 0 | 0 | .88 |
| Class 3 not in HCA | 0 | .13 | 0 | 0 | 0 | .236 |
| Class 4 not in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| not in HCA subTotal | .02 | 9.02 | 0 | 0 | 0 | 4.606 |
| Total | .02 | 9.02 | 0 | 0 | 0 | 4.606 |
| PT ≥ 1.25 MAOP Total | | | 9.04 | Total Miles Internal Inspection ABLE | | .02 |
| 1.25 MAOP > PT ≥ 1.1 MAOP Total | | | 0 | Total Miles Internal Inspection NOT ABLE | | 13.626 |
| PT < 1.1 or No PT Total | | | 4.606 | Grand Total | | 13.646 |
| Grand Total | | | 13.646 | | | |

PARTS H, I, J, K, L, M, P, Q, and R

The data reported in these PARTs applies to: *(select only one)*
INTRASTATE pipelines/pipeline facilities KENTUCKY

PART H - MILES OF TRANSMISSION PIPE BY NOMINAL PIPE SIZE (NPS)

| | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
|--|--|------|------|-------|-----|----|----|-------------|----|
| | Onshore | 28.9 | 9.13 | 18.92 | 1.3 | 76 | 0 | 85.04 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 2.48 | 6.39 | 0 | 0 | .03 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |
| 356.36 | Total Miles of Onshore Pipe – Transmission | | | | | | | | |
| Offshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |

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| | | | | | | | | | |
|---|----|----|----|----|----|----|----|-------------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |

| | |
|---|---|
| 0 | Total Miles of Offshore Pipe – Transmission |
|---|---|

PART I - MILES OF GATHERING PIPE BY NOMINAL PIPE SIZE (NPS)

| | | | | | | | | | |
|--|---------------|----|----|----|----|----|----|-------------|----|
| Onshore Type A | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |

| | |
|---|--|
| 0 | Total Miles of Onshore Type A Pipe – Gathering |
|---|--|

| | | | | | | | | | |
|--|---------------|----|----|----|----|----|----|-------------|----|
| Onshore Type B | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |

| | |
|---|--|
| 0 | Total Miles of Onshore Type B Pipe – Gathering |
|---|--|

| | | | | | | | | | |
|--|---------------|----|----|----|----|----|----|-------------|----|
| Offshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |

| | |
|---|--|
| 0 | Total Miles of Offshore Pipe – Gathering |
|---|--|

PART J – MILES OF PIPE BY DECADE INSTALLED

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| Decade Pipe Installed | Unknown | Pre-40 | 1940 - 1949 | 1950 - 1959 | 1960 - 1969 | 1970 - 1979 |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Transmission | | | | | | |
| Onshore | 4.46 | 0 | 0 | 83.56 | 41.97 | 68.82 |
| Offshore | | | | | | |
| Subtotal Transmission | 4.46 | 0 | 0 | 83.56 | 41.97 | 68.82 |
| Gathering | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | | | | | | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | 4.46 | 0 | 0 | 83.56 | 41.97 | 68.82 |
| Decade Pipe Installed | 1980 - 1989 | 1990 - 1999 | 2000 - 2009 | 2010 - 2019 | Total Miles | |
| Transmission | | | | | | |
| Onshore | 49.46 | 51.26 | 21.54 | 35.29 | 356.36 | |
| Offshore | | | | | | |
| Subtotal Transmission | 49.46 | 51.26 | 21.54 | 35.29 | 356.36 | |
| Gathering | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | |
| Offshore | | | | | | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | |
| Total Miles | 49.46 | 51.26 | 21.54 | 35.29 | 356.36 | |

PART K- MILES OF TRANSMISSION PIPE BY SPECIFIED MINIMUM YIELD STRENGTH

| ONSHORE | CLASS LOCATION | | | | Total Miles |
|---|----------------|--------------|---------------|----------|---------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | |
| Steel pipe Less than 20% SMYS | 30.95 | 4.51 | 7.67 | 0 | 43.13 |
| Steel pipe Greater than or equal to 20% SMYS but less than 30% SMYS | 21.29 | 7.14 | 22.6 | 0 | 51.03 |
| Steel pipe Greater than or equal to 30% SMYS but less than or equal to 40% SMYS | 11.87 | .7 | 27.36 | 0 | 39.93 |
| Steel pipe Greater than 40% SMYS but less than or equal to 50% SMYS | 42.86 | 15.91 | 6.83 | 0 | 65.6 |
| Steel pipe Greater than 50% SMYS but less than or equal to 60% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 60% SMYS but less than or equal to 72% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 72% SMYS but less than or equal to 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Unknown percent of SMYS | 77.69 | 20.61 | 57.23 | 0 | 155.53 |
| All Non-Steel pipe | 1.15 | 0 | 0 | 0 | 1.15 |
| Onshore Totals | 185.81 | 48.87 | 121.69 | 0 | 356.37 |

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| OFFSHORE | Class 1 | |
|--|---------|--------|
| Less than or equal to 50% SMYS | 0 | |
| Greater than 50% SMYS but less than or equal to 72% SMYS | 0 | |
| Steel pipe Greater than 72% SMYS | 0 | |
| Steel Pipe Unknown percent of SMYS | 0 | |
| All non-steel pipe | 0 | |
| Offshore Total | 0 | 0 |
| Total Miles | 185.81 | 356.37 |

PART L - MILES OF PIPE BY CLASS LOCATION

| | Class Location | | | | Total Class Location Miles | HCA Miles in the IMP Program |
|-----------------------|----------------|---------|---------|---------|----------------------------|------------------------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | | |
| Transmission | | | | | | |
| Onshore | 185.81 | 48.87 | 121.69 | 0 | 356.37 | 40.9 |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Transmission | 185.81 | 48.87 | 121.69 | 0 | 356.37 | |
| Gathering | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | |
| Total Miles | 185.81 | 48.87 | 121.69 | 0 | 356.37 | 40.9 |

PART M - FAILURES, LEAKS, AND REPAIRS

PART M1 - ALL LEAKS ELIMINATED/REPAIRED IN CALENDAR YEAR; INCIDENTS & FAILURES IN HCA SEGMENTS IN CALENDAR YEAR

| Cause | Transmission Leaks, and Failures | | | | | Gathering Leaks | | |
|---|----------------------------------|---------|----------------|---------|--------------------------|-----------------|--------|----------------|
| | Leaks | | | | Failures in HCA Segments | Onshore Leaks | | Offshore Leaks |
| | Onshore Leaks | | Offshore Leaks | | | Type A | Type B | |
| | HCA | Non-HCA | HCA | Non-HCA | | | | |
| External Corrosion | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| Internal Corrosion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Stress Corrosion Cracking | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Manufacturing | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Equipment | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Incorrect Operations | 0 | 2 | 0 | 0 | 0 | 0 | 0 | |
| Third Party Damage/Mechanical Damage | | | | | | | | |
| Excavation Damage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Previous Damage (due to Excavation Activity) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Vandalism (includes all Intentional Damage) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Weather Related/Other Outside Force | | | | | | | | |
| Natural Force Damage (all) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other Outside Force Damage (excluding Vandalism and all Intentional Damage) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total | 2 | 4 | 0 | 0 | 0 | 0 | 0 | |

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| PART M2 – KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR | | | |
|---|---|--------------------|---|
| Transmission | 1 | Gathering | 0 |
| PART M3 – LEAKS ON FEDERAL LAND OR OCS REPAIRED OR SCHEDULED FOR REPAIR | | | |
| Transmission | | Gathering | |
| Onshore | 1 | Onshore Type A | 0 |
| | | Onshore Type B | 0 |
| OCS | 0 | OCS | 0 |
| Subtotal Transmission | 1 | Subtotal Gathering | 0 |
| Total | 1 | | |

| PART P - MILES OF PIPE BY MATERIAL AND CORROSION PROTECTION STATUS | | | | | | | | | | |
|--|------------------------------|--------|--------------------------------|--------|-----------|--------------|---------|------------------------|--------------------|-------------|
| | Steel Cathodically protected | | Steel Cathodically unprotected | | Cast Iron | Wrought Iron | Plastic | Composite ¹ | Other ² | Total Miles |
| | Bare | Coated | Bare | Coated | | | | | | |
| Transmission | | | | | | | | | | |
| Onshore | .64 | 351.48 | 3.05 | .02 | 0 | 0 | 1.15 | 0 | 0 | 356.34 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Transmission | .64 | 351.48 | 3.05 | .02 | 0 | 0 | 1.15 | 0 | 0 | 356.34 |
| Gathering | | | | | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | .64 | 351.48 | 3.05 | .02 | 0 | 0 | 1.15 | 0 | 0 | 356.34 |

¹Use of Composite pipe requires PHMSA Special Permit or waiver from a State

²specify Other material(s):

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Part Q - Gas Transmission Miles by §192.619 MAOP Determination Method

| | (a)(1) Total | (a)(1) Incomplete Records | (a)(2) Total | (a)(2) Incomplete Records | (a)(3) Total | (a)(3) Incomplete Records | (a)(4) Total | (a)(4) Incomplete Records | (c) Total | (c) Incomplete Records | (d) Total | (d) Incomplete Records | Other ¹ Total | Other Incomplete Records | |
|--|-----------------|---------------------------------|-----------------|---------------------------------|-----------------|---------------------------------|-----------------|---------------------------------|---------------|------------------------------|--------------|------------------------------|-----------------------------|--------------------------------|--|
| Class 1 (in HCA) | .12 | 0 | .01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 1 (not in HCA) | 50.11 | | 96.64 | | 0 | | 0 | | 38.92 | | 0 | | 0 | | |
| Class 2 (in HCA) | .15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 2 (not in HCA) | 11.64 | | 25.58 | | 0 | | 0 | | 11.49 | | 0 | | 0 | | |
| Class 3 (in HCA) | 2.46 | 0 | 25.01 | 3.46 | 0 | 0 | 0 | 0 | 13.14 | 7.05 | 0 | 0 | 0 | 0 | |
| Class 3 (not in HCA) | 6.73 | 0 | 45.89 | 7.56 | 0 | 0 | 0 | 0 | 28.47 | 7.51 | 0 | 0 | 0 | 0 | |
| Class 4 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 4 (not in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Total | 71.21 | 0 | 193.13 | 11.02 | 0 | 0 | 0 | 0 | 92.02 | 14.56 | 0 | 0 | 0 | 0 | |
| Grand Total | | | | | | | | | 356.36 | | | | | | |
| Sum of Total row for all "Incomplete Records" columns | | | | | | | | | 25.58 | | | | | | |

¹Specify Other method(s):

| | | | |
|------------------|--|----------------------|--|
| Class 1 (in HCA) | | Class 1 (not in HCA) | |
| Class 2 (in HCA) | | Class 2 (not in HCA) | |
| Class 3 (in HCA) | | Class 3 (not in HCA) | |
| Class 4 (in HCA) | | Class 4 (not in HCA) | |

Part R - Gas Transmission Miles by Pressure Test (PT) Range and Internal Inspection

| Location | PT ≥ 1.25 MAOP | | 1.25 MAOP > PT ≥ 1.1 MAOP | | PT < 1.1 or No PT | |
|---|--------------------------------|------------------------------------|--------------------------------|---|--------------------------------|------------------------------------|
| | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE |
| Class 1 in HCA | .12 | 0 | 0 | 0 | .01 | 0 |
| Class 2 in HCA | .15 | 0 | 0 | 0 | 0 | 0 |
| Class 3 in HCA | 21.23 | .15 | 0 | 0 | 18.84 | .38 |
| Class 4 in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| in HCA subTotal | 21.5 | .15 | 0 | 0 | 18.85 | .38 |
| Class 1 not in HCA | 64.42 | 55.11 | 0 | .33 | 42.86 | 22.96 |
| Class 2 not in HCA | 16.09 | 9.36 | 0 | .36 | 12.91 | 9.98 |
| Class 3 not in HCA | 40.49 | 2.4 | 0 | 0 | 36.75 | 1.45 |
| Class 4 not in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| not in HCA subTotal | 121 | 66.87 | 0 | .69 | 92.52 | 34.39 |
| Total | 142.5 | 67.02 | 0 | .69 | 111.37 | 34.77 |
| PT ≥ 1.25 MAOP Total | | | 209.52 | Total Miles Internal Inspection ABLE | | 253.87 |
| 1.25 MAOP > PT ≥ 1.1 MAOP Total | | | .69 | Total Miles Internal Inspection NOT ABLE | | 102.48 |
| PT < 1.1 or No PT Total | | | 146.14 | Grand Total | | 356.35 |
| Grand Total | | | 356.35 | | | |

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For the designated Commodity Group, complete PART N one time for all of the pipelines and/or pipeline facilities included within this OPID, and then also PART O if any gas transmission pipeline facilities included within this OPID have Part L HCA mile value greater than zero.

| | |
|------------------------------------|----------------------|
| PART N - PREPARER SIGNATURE | |
| William Norton | (502)364-8439 |
| Preparer's Name(type or print) | Telephone Number |
| Mechanical Engineer III | |
| Preparer's Title | |
| William.Norton@lge-ku.com | |
| Preparer's E-mail Address | |

| | |
|---|----------------------|
| PART O - CERTIFYING SIGNATURE (applicable only to PARTs B, F, G, and M1) | |
| | (502)627-4830 |
| | Telephone Number |
| Lonnie E Bellar | |
| Senior Executive Officer's name certifying the information in PARTs B, F, G, and M as required by 49 U.S.C. 60109(f) | |
| Chief Operating Officer | |
| Senior Executive Officer's title certifying the information in PARTs B, F, G, and M as required by 49 U.S.C. 60109(f) | |
| lonnie.bellar@lge-ku.com | |
| Senior Executive Officer's E-mail Address | |

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| | | | | |
|--|--|---|------------------------------|------------|
|  <p>U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration</p> | <p>ANNUAL REPORT FOR CALENDAR YEAR 2018 NATURAL OR OTHER GAS TRANSMISSION and GATHERING SYSTEMS</p> | | Initial Date Submitted | 03/08/2019 |
| | | | Report Submission Type | INITIAL |
| | | | Date Submitted | |
| <p>A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2137-0522. Public reporting for this collection of information is estimated to be approximately 42 hours per response, including the time for reviewing instructions, gathering the data needed, and completing and reviewing the collection of information. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, PHMSA, Office of Pipeline Safety (PHP-30) 1200 New Jersey Avenue, SE, Washington, D.C. 20590.</p> <p>Important: Please read the separate instructions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the PHMSA Pipeline Safety Community Web Page at http://www.phmsa.dot.gov/pipeline/library/forms.</p> | | | | |
| PART A - OPERATOR INFORMATION | | DOT USE ONLY | 20190413 - 35749 | |
| 1. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER (OPID) | | 2. NAME OF OPERATOR: | | |
| 11824 | | LOUISVILLE GAS & ELECTRIC CO | | |
| 3. RESERVED | | 4. HEADQUARTERS ADDRESS: | | |
| | | 220 W MAIN ST, PO BOX 32010 Street Address | | |
| | | LOUISVILLE City | | |
| | | State: KY Zip Code: 40202 | | |
| 5. THIS REPORT PERTAINS TO THE FOLLOWING COMMODITY GROUP: <i>(Select Commodity Group based on the predominant gas carried and complete the report for that Commodity Group. File a separate report for each Commodity Group included in this OPID.)</i> | | | | |
| Natural Gas | | | | |
| 6. RESERVED | | | | |
| 7. FOR THE DESIGNATED "COMMODITY GROUP", THE PIPELINES AND/OR PIPELINE FACILITIES INCLUDED WITHIN THIS OPID ARE: <i>(Select one or both)</i> | | | | |
| INTERstate pipeline – List all of the States and OSC portions in which INTERstate pipelines and/or pipeline facilities included under this OPID exist. etc. | | | | |
| INTRAstate pipeline – List all of the States in which INTRAstate pipelines and or pipeline facilities included under this OPID exist. INDIANA, KENTUCKY etc. | | | | |
| 8. RESERVED | | | | |

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For the designated Commodity Group, PARTs B and D will be calculated based on the data entered in Parts L and P respectively. Complete Part C one time for all pipelines and/or pipeline facilities – both INTERstate and INTRAstate - included within this OPID.

| PART B – TRANSMISSION PIPELINE HCA MILES | |
|--|---------------------|
| | Number of HCA Miles |
| Onshore | 40.9 |
| Offshore | 0 |
| Total Miles | 40.9 |

| PART C - VOLUME TRANSPORTED IN TRANSMISSION PIPELINES (ONLY) IN MILLION SCF PER YEAR (excludes Transmission lines of Gas Distribution systems) | Check this box and do not complete PART C if this report only includes gathering pipelines or transmission lines of gas distribution systems. | |
|--|---|----------|
| | <input type="checkbox"/> | |
| | Onshore | Offshore |
| Natural Gas | 42230.25 | |
| Propane Gas | | |
| Synthetic Gas | | |
| Hydrogen Gas | | |
| Landfill Gas | | |
| Other Gas - Name: | | |

| PART D - MILES OF STEEL PIPE BY CORROSION PROTECTION | | | | | | | | | | |
|--|------------------------------|--------|--------------------------------|--------|-----------|--------------|---------|------------------------|-------|-------------|
| | Steel Cathodically protected | | Steel Cathodically unprotected | | Cast Iron | Wrought Iron | Plastic | Composite ¹ | Other | Total Miles |
| | Bare | Coated | Bare | Coated | | | | | | |
| Transmission | | | | | | | | | | |
| Onshore | .64 | 359.22 | 3.06 | .02 | 0 | 0 | 7.04 | 0 | 0 | 369.98 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Transmission | .64 | 359.22 | 3.06 | .02 | 0 | 0 | 7.04 | 0 | 0 | 369.98 |
| Gathering | | | | | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | .64 | 359.22 | 3.06 | .02 | 0 | 0 | 7.04 | 0 | 0 | 369.98 |

¹Use of Composite pipe requires a PHMSA Special Permit or waiver from a State

PART E – RESERVED

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For the designated Commodity Group, complete PARTs F and G one time for all INTERstate pipeline facilities included within this OPID and multiple times as needed for the designated Commodity Group for each State in which INTRAstate pipeline facilities included within this OPID exist. Part F "WITHIN AN HCA SEGMENT" data and Part G may be completed only if HCA Miles in Part L is greater than zero.

| |
|---|
| PARTs F and G |
| The data reported in these PARTs applies to: <i>(select only one)</i> |
| <input type="checkbox"/> Interstate pipelines/pipeline facilities |
| <input checked="" type="checkbox"/> Intrastate pipelines/pipeline facilities in the State of INDIANA <i>(complete for each State)</i> |

| | |
|---|--|
| PART F - INTEGRITY INSPECTIONS CONDUCTED AND ACTIONS TAKEN BASED ON INSPECTION | |
| 1. MILEAGE INSPECTED IN CALENDAR YEAR USING THE FOLLOWING IN-LINE INSPECTION (ILI) TOOLS | |
| a. Corrosion or metal loss tools | |
| b. Dent or deformation tools | |
| c. Crack or long seam defect detection tools | |
| d. Any other internal inspection tools, specify other tools: | |
| 1. Internal Inspection Tools - Other | |
| e. Total tool mileage inspected in calendar year using in-line inspection tools. (Lines a + b + c + d) | |
| 2. ACTIONS TAKEN IN CALENDAR YEAR BASED ON IN-LINE INSPECTIONS | |
| a. Based on ILI data, total number of anomalies excavated in calendar year because they met the operator's criteria for excavation. | |
| b. Total number of anomalies repaired in calendar year that were identified by ILI based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of conditions repaired WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 3. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON PRESSURE TESTING | |
| a. Total mileage inspected by pressure testing in calendar year. | |
| b. Total number of pressure test failures (ruptures and leaks) repaired in calendar year, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of pressure test ruptures (complete failure of pipe wall) repaired in calendar year WITHIN AN HCA SEGMENT. | |
| d. Total number of pressure test leaks (less than complete wall failure but including escape of test medium) repaired in calendar year WITHIN AN HCA SEGMENT. | |
| 4. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON DA (Direct Assessment methods) | |
| a. Total mileage inspected by each DA method in calendar year. | |
| 1. ECDA | |
| 2. ICDA | |
| 3. SCCDA | |
| b. Total number of anomalies identified by each DA method and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| 1. ECDA | |
| 2. ICDA | |
| 3. SCCDA | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |

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| | |
|--|--|
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 5: MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON OTHER INSPECTION TECHNIQUES | |
| a. Total mileage inspected by inspection techniques other than those listed above in calendar year. | |
| 1. Other Inspection Techniques | |
| b. Total number of anomalies identified by other inspection techniques and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 6. TOTAL MILEAGE INSPECTED (ALL METHODS) AND ACTIONS TAKEN IN CALENDAR YEAR | |
| a. Total mileage inspected in calendar year. (Lines 1.e + 3.a + 4.a.1 + 4.a.2 + 4.a.3 + 5.a) | |
| b. Total number of anomalies repaired in calendar year both within an HCA Segment and outside of an HCA Segment. (Lines 2.b + 3.b + 4.b.1 + 4.b.2 + 4.b.3 + 5.b) | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT. (Lines 2.c.1 + 2.c.2 + 2.c.3 + 2.c.4 + 3.c + 3.d + 4.c.1 + 4.c.2 + 4.c.3 + 4.c.4 + 5.c.1 + 5.c.2 + 5.c.3 + 5.c.4) | |
| d. Total number of actionable anomalies eliminated by pipe replacement in calendar year WITHIN AN HCA SEGMENT: | |
| e. Total number of actionable anomalies eliminated by pipe abandonment in calendar year WITHIN AN HCA SEGMENT: | |
| PART G-- MILES OF BASELINE ASSESSMENTS AND REASSESSMENTS COMPLETED IN CALENDAR YEAR (HCA Segment miles ONLY) | |
| a. Baseline assessment miles completed during the calendar year. | |
| b. Reassessment miles completed during the calendar year. | |
| c. Total assessment and reassessment miles completed during the calendar year. | |

| | |
|--|---|
| PARTs F and G | |
| The data reported in these PARTs applies to: (select only one) | |
| <input type="checkbox"/> | Interstate pipelines/pipeline facilities |
| <input checked="" type="checkbox"/> | Intrastate pipelines/pipeline facilities in the State of KENTUCKY (complete for each State) |

| | |
|---|--------------|
| PART F - INTEGRITY INSPECTIONS CONDUCTED AND ACTIONS TAKEN BASED ON INSPECTION | |
| 1. MILEAGE INSPECTED IN CALENDAR YEAR USING THE FOLLOWING IN-LINE INSPECTION (ILI) TOOLS | |
| a. Corrosion or metal loss tools | 104.3 |
| b. Dent or deformation tools | 104.3 |
| c. Crack or long seam defect detection tools | 59.72 |
| d. Any other internal inspection tools, specify other tools: | 50.5 |
| 1. Internal Inspection Tools - Other | XYZ Inertial |
| e. Total tool mileage inspected in calendar year using in-line inspection tools. (Lines a + b + c + d) | 318.82 |
| 2. ACTIONS TAKEN IN CALENDAR YEAR BASED ON IN-LINE INSPECTIONS | |
| a. Based on ILI data, total number of anomalies excavated in calendar year because they met the operator's criteria for excavation. | 12 |

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| | |
|--|--------|
| b. Total number of anomalies repaired in calendar year that were identified by ILI based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | 12 |
| c. Total number of conditions repaired WITHIN AN HCA SEGMENT meeting the definition of: | 4 |
| 1. "Immediate repair conditions" [192.933(d)(1)] | 3 |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | 1 |
| 3. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON PRESSURE TESTING | |
| a. Total mileage inspected by pressure testing in calendar year. | 0 |
| b. Total number of pressure test failures (ruptures and leaks) repaired in calendar year, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of pressure test ruptures (complete failure of pipe wall) repaired in calendar year WITHIN AN HCA SEGMENT. | |
| d. Total number of pressure test leaks (less than complete wall failure but including escape of test medium) repaired in calendar year WITHIN AN HCA SEGMENT. | |
| 4. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON DA (Direct Assessment methods) | |
| a. Total mileage inspected by each DA method in calendar year. | |
| 1. ECDA | |
| 2. ICDA | |
| 3. SCCDA | |
| b. Total number of anomalies identified by each DA method and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| 1. ECDA | |
| 2. ICDA | |
| 3. SCCDA | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 5. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON OTHER INSPECTION TECHNIQUES | |
| a. Total mileage inspected by inspection techniques other than those listed above in calendar year. | |
| 1. Other Inspection Techniques | |
| b. Total number of anomalies identified by other inspection techniques and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | |
| 1. "Immediate repair conditions" [192.933(d)(1)] | |
| 2. "One-year conditions" [192.933(d)(2)] | |
| 3. "Monitored conditions" [192.933(d)(3)] | |
| 4. Other "Scheduled conditions" [192.933(c)] | |
| 6. TOTAL MILEAGE INSPECTED (ALL METHODS) AND ACTIONS TAKEN IN CALENDAR YEAR | |
| a. Total mileage inspected in calendar year. (Lines 1.e + 3.a + 4.a.1 + 4.a.2 + 4.a.3 + 5.a) | 318.82 |
| b. Total number of anomalies repaired in calendar year both within an HCA Segment and outside of an HCA Segment. (Lines 2.b + 3.b + 4.b.1 + 4.b.2 + 4.b.3 + 5.b) | 12 |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT. (Lines 2.c.1 + 2.c.2 + 2.c.3 + 2.c.4 + 3.c + 3.d + 4.c.1 + 4.c.2 + 4.c.3 + 4.c.4 + 5.c.1 + 5.c.2 + 5.c.3 + 5.c.4) | 4 |
| d. Total number of actionable anomalies eliminated by pipe replacement in calendar year WITHIN AN HCA SEGMENT: | 0 |
| e. Total number of actionable anomalies eliminated by pipe abandonment in calendar year WITHIN AN HCA SEGMENT: | 0 |
| PART G-- MILES OF BASELINE ASSESSMENTS AND REASSESSMENTS COMPLETED IN CALENDAR YEAR (HCA Segment miles ONLY) | |

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| | |
|--|-------|
| a. Baseline assessment miles completed during the calendar year. | .97 |
| b. Reassessment miles completed during the calendar year. | 10.58 |
| c. Total assessment and reassessment miles completed during the calendar year. | 11.55 |

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For the designated Commodity Group, complete PARTs H, I, J, K, L, M, P Q and R covering INTERstate pipelines and/or pipeline facilities for each State in which INTERstate systems exist within this OPID and again covering INTRAsate pipelines and/or pipeline facilities for each State in which INTRAsate systems exist within this OPID.

| | | | | | | | | | |
|---|---|-----|------|------|----|----|----|-------------|----|
| PARTs H, I, J, K, L, M, P, Q, and R | | | | | | | | | |
| The data reported in these PARTs applies to: <i>(select only one)</i> | | | | | | | | | |
| INTRASTATE pipelines/pipeline facilities INDIANA | | | | | | | | | |
| PART H - MILES OF TRANSMISSION PIPE BY NOMINAL PIPE SIZE (NPS) | | | | | | | | | |
| Onshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 4.73 | .62 | 3.31 | 4.98 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |
| 13.64 | Total Miles of Onshore Pipe – Transmission | | | | | | | | |
| Offshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |
| 0 | Total Miles of Offshore Pipe – Transmission | | | | | | | | |
| PART I - MILES OF GATHERING PIPE BY NOMINAL PIPE SIZE (NPS) | | | | | | | | | |
| Onshore Type A | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |

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| | | | | | | | | | |
|----------------|---|----|----|----|----|----|----|-------------|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Additional Sizes and Miles (Size – Miles;): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | |
| 0 | Total Miles of Onshore Type A Pipe – Gathering | | | | | | | | |
| Onshore Type B | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Additional Sizes and Miles (Size – Miles;): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | |
| 0 | Total Miles of Onshore Type B Pipe – Gathering | | | | | | | | |
| Offshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Additional Sizes and Miles (Size – Miles;): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | |
| 0 | Total Miles of Offshore Pipe – Gathering | | | | | | | | |

PART J – MILES OF PIPE BY DECADE INSTALLED

| Decade Pipe Installed | Unknown | Pre-40 | 1940 - 1949 | 1950 - 1959 | 1960 - 1969 | 1970 - 1979 |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Transmission | | | | | | |
| Onshore | .01 | 0 | 0 | 0 | 0 | .05 |
| Offshore | | | | | | |
| Subtotal Transmission | .01 | 0 | 0 | 0 | 0 | .05 |
| Gathering | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | | | | | | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | .01 | 0 | 0 | 0 | 0 | .05 |
| Decade Pipe Installed | 1980 - 1989 | 1990 - 1999 | 2000 - 2009 | 2010 - 2019 | Total Miles | |
| Transmission | | | | | | |
| Onshore | 2.58 | .41 | 3.58 | 7.01 | 13.64 | |
| Offshore | | | | | | |
| Subtotal Transmission | 2.58 | .41 | 3.58 | 7.01 | 13.64 | |
| Gathering | | | | | | |

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| | | | | | |
|--------------------|-------------|------------|-------------|-------------|--------------|
| Onshore Type A | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 |
| Offshore | | | | | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 |
| Total Miles | 2.58 | .41 | 3.58 | 7.01 | 13.64 |

PART K - MILES OF TRANSMISSION PIPE BY SPECIFIED MINIMUM YIELD STRENGTH

| ONSHORE | CLASS LOCATION | | | | Total Miles |
|---|----------------|------------|------------|----------|--------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | |
| Steel pipe Less than 20% SMYS | 5.29 | 0 | .13 | 0 | 5.42 |
| Steel pipe Greater than or equal to 20% SMYS but less than 30% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than or equal to 30% SMYS but less than or equal to 40% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 40% SMYS but less than or equal to 50% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 50% SMYS but less than or equal to 60% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 60% SMYS but less than or equal to 72% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 72% SMYS but less than or equal to 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Unknown percent of SMYS | 2.1 | 0 | .24 | 0 | 2.34 |
| All Non-Steel pipe | 5.01 | .88 | 0 | 0 | 5.89 |
| Onshore Totals | 12.4 | .88 | .37 | 0 | 13.65 |
| OFFSHORE | Class 1 | | | | |
| Less than or equal to 50% SMYS | 0 | | | | |
| Greater than 50% SMYS but less than or equal to 72% SMYS | 0 | | | | |
| Steel pipe Greater than 72% SMYS | 0 | | | | |
| Steel Pipe Unknown percent of SMYS | 0 | | | | |
| All non-steel pipe | 0 | | | | |
| Offshore Total | 0 | | | | 0 |
| Total Miles | 12.4 | | | | 13.65 |

PART L - MILES OF PIPE BY CLASS LOCATION

| | Class Location | | | | Total Class Location Miles | HCA Miles in the IMP Program |
|-----------------------|----------------|---------|---------|---------|----------------------------|------------------------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | | |
| Transmission | | | | | | |
| Onshore | 12.4 | .88 | .37 | 0 | 13.65 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Transmission | 12.4 | .88 | .37 | 0 | 13.65 | |
| Gathering | | | | | | |

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| | | | | | | |
|--------------------|------|-----|-----|---|-------|---|
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | |
| Total Miles | 12.4 | .88 | .37 | 0 | 13.65 | 0 |

PART M – FAILURES, LEAKS, AND REPAIRS

PART M1 – ALL LEAKS ELIMINATED/REPAIRED IN CALENDAR YEAR; INCIDENTS & FAILURES IN HCA SEGMENTS IN CALENDAR YEAR

| Cause | Transmission Leaks, and Failures | | | | | Gathering Leaks | | |
|---|----------------------------------|---------|----------------|---------|--------------------------|-----------------|--------|----------------|
| | Leaks | | | | Failures in HCA Segments | Onshore Leaks | | Offshore Leaks |
| | Onshore Leaks | | Offshore Leaks | | | Type A | Type B | |
| | HCA | Non-HCA | HCA | Non-HCA | | | | |
| External Corrosion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Internal Corrosion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Stress Corrosion Cracking | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Manufacturing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Incorrect Operations | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Third Party Damage/Mechanical Damage | | | | | | | | |
| Excavation Damage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Previous Damage (due to Excavation Activity) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Vandalism (includes all Intentional Damage) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Weather Related/Other Outside Force | | | | | | | | |
| Natural Force Damage (all) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other Outside Force Damage (excluding Vandalism and all Intentional Damage) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

PART M2 – KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR

| | | | |
|--|---|--------------------|---|
| Transmission | 0 | Gathering | |
| PART M3 – LEAKS ON FEDERAL LAND OR OCS REPAIRED OR SCHEDULED FOR REPAIR | | | |
| Transmission | | Gathering | |
| Onshore | 0 | Onshore Type A | |
| | | Onshore Type B | |
| OCS | 0 | OCS | 0 |
| Subtotal Transmission | 0 | Subtotal Gathering | 0 |
| Total | 0 | | |

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| PART P - MILES OF PIPE BY MATERIAL AND CORROSION PROTECTION STATUS | | | | | | | | | | |
|--|------------------------------|-------------|--------------------------------|----------|-----------|--------------|-------------|------------------------|--------------------|--------------|
| | Steel Cathodically protected | | Steel Cathodically unprotected | | Cast Iron | Wrought Iron | Plastic | Composite ¹ | Other ² | Total Miles |
| | Bare | Coated | Bare | Coated | | | | | | |
| Transmission | | | | | | | | | | |
| Onshore | 0 | 7.74 | .01 | 0 | 0 | 0 | 5.89 | 0 | 0 | 13.64 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Transmission | 0 | 7.74 | .01 | 0 | 0 | 0 | 5.89 | 0 | 0 | 13.64 |
| Gathering | | | | | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | 0 | 7.74 | .01 | 0 | 0 | 0 | 5.89 | 0 | 0 | 13.64 |

¹Use of Composite pipe requires PHMSA Special Permit or waiver from a State

²specify Other material(s):

| Part Q - Gas Transmission Miles by §192.619 MAOP Determination Method | | | | | | | | | | | | | | | |
|---|--------------|---------------------------|--------------|---------------------------|--------------|---------------------------|--------------|---------------------------|--------------|------------------------|-----------|------------------------|--------------------------|--------------------------|--|
| | (a)(1) Total | (a)(1) Incomplete Records | (a)(2) Total | (a)(2) Incomplete Records | (a)(3) Total | (a)(3) Incomplete Records | (a)(4) Total | (a)(4) Incomplete Records | (c) Total | (c) Incomplete Records | (d) Total | (d) Incomplete Records | Other ¹ Total | Other Incomplete Records | |
| Class 1 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 1 (not in HCA) | .88 | | 11.52 | | 0 | | 0 | | 0 | | 0 | | 0 | | |
| Class 2 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 2 (not in HCA) | .88 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | |
| Class 3 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 3 (not in HCA) | 0 | 0 | .36 | .04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 4 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Class 4 (not in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total | 1.76 | 0 | 11.88 | .04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grand Total | | | | | | | | | 13.64 | | | | | | |
| Sum of Total row for all "Incomplete Records" columns | | | | | | | | | .04 | | | | | | |

¹Specify Other method(s):

| | | | |
|------------------|--|----------------------|--|
| Class 1 (in HCA) | | Class 1 (not in HCA) | |
| Class 2 (in HCA) | | Class 2 (not in HCA) | |
| Class 3 (in HCA) | | Class 3 (not in HCA) | |
| Class 4 (in HCA) | | Class 4 (not in HCA) | |

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| Part R – Gas Transmission Miles by Pressure Test (PT) Range and Internal Inspection | | | | | | |
|---|--------------------------------|------------------------------------|--------------------------------|--|--------------------------------|------------------------------------|
| | PT ≥ 1.25 MAOP | | 1.25 MAOP > PT ≥ 1.1 MAOP | | PT < 1.1 or No PT | |
| Location | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE |
| Class 1 in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 2 in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 3 in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 4 in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| in HCA subTotal | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 1 not in HCA | .02 | 8.89 | 0 | 0 | 0 | 3.49 |
| Class 2 not in HCA | 0 | 0 | 0 | 0 | 0 | .88 |
| Class 3 not in HCA | 0 | .13 | 0 | 0 | 0 | .236 |
| Class 4 not in HCA | 0 | 0 | 0 | 0 | 0 | 0 |
| not in HCA subTotal | .02 | 9.02 | 0 | 0 | 0 | 4.606 |
| Total | .02 | 9.02 | 0 | 0 | 0 | 4.606 |
| PT ≥ 1.25 MAOP Total | | | 9.04 | Total Miles Internal Inspection ABLE | | .02 |
| 1.25 MAOP > PT ≥ 1.1 MAOP Total | | | 0 | Total Miles Internal Inspection NOT ABLE | | 13.626 |
| PT < 1.1 or No PT Total | | | 4.606 | Grand Total | | 13.646 |
| Grand Total | | | 13.646 | | | |

PARTS H, I, J, K, L, M, P, Q, and R

The data reported in these PARTs applies to: *(select only one)*

INTRASTATE pipelines/pipeline facilities KENTUCKY

PART H - MILES OF TRANSMISSION PIPE BY NOMINAL PIPE SIZE (NPS)

| | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
|--|--|------|------|-------|-----|----|----|-------------|----|
| | Onshore | 28.9 | 9.13 | 18.92 | 1.3 | 76 | 0 | 85.04 | 0 |
| 22 | | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| 2.48 | | 6.39 | 0 | 0 | .03 | 0 | 0 | 0 | 0 |
| 40 | | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |
| 356.36 | Total Miles of Onshore Pipe – Transmission | | | | | | | | |
| Offshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |

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| | | | | | | | | | |
|--|----|----|----|----|----|----|----|-------------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |

| | |
|---|---|
| 0 | Total Miles of Offshore Pipe – Transmission |
|---|---|

PART I - MILES OF GATHERING PIPE BY NOMINAL PIPE SIZE (NPS)

| | | | | | | | | | |
|---|---------------|----|----|----|----|----|----|-------------|----|
| Onshore Type A | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |

| | |
|---|--|
| 0 | Total Miles of Onshore Type A Pipe – Gathering |
|---|--|

| | | | | | | | | | |
|---|---------------|----|----|----|----|----|----|-------------|----|
| Onshore Type B | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |

| | |
|---|--|
| 0 | Total Miles of Onshore Type B Pipe – Gathering |
|---|--|

| | | | | | | | | | |
|---|---------------|----|----|----|----|----|----|-------------|----|
| Offshore | NPS 4 or less | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 42 | 44 | 46 | 48 | 52 | 56 | 58 and over | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Additional Sizes and Miles (Size – Miles): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | | |

| | |
|---|--|
| 0 | Total Miles of Offshore Pipe – Gathering |
|---|--|

PART J – MILES OF PIPE BY DECADE INSTALLED

Notice: This report is required by 49 CFR Part 191. Failure to report may result in a civil penalty not to exceed \$100,000 for each violation for each day the violation continues up to a maximum of \$1,000,000 as provided in 49 USC 60122.

| Decade Pipe Installed | Unknown | Pre-40 | 1940 - 1949 | 1950 - 1959 | 1960 - 1969 | 1970 - 1979 |
|-----------------------|--------------|--------------|--------------|--------------|---------------|--------------|
| Transmission | | | | | | |
| Onshore | 4.46 | 0 | 0 | 83.56 | 41.97 | 68.82 |
| Offshore | | | | | | |
| Subtotal Transmission | 4.46 | 0 | 0 | 83.56 | 41.97 | 68.82 |
| Gathering | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | | | | | | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | 4.46 | 0 | 0 | 83.56 | 41.97 | 68.82 |
| Decade Pipe Installed | 1980 - 1989 | 1990 - 1999 | 2000 - 2009 | 2010 - 2019 | Total Miles | |
| Transmission | | | | | | |
| Onshore | 49.46 | 51.26 | 21.54 | 35.29 | 356.36 | |
| Offshore | | | | | | |
| Subtotal Transmission | 49.46 | 51.26 | 21.54 | 35.29 | 356.36 | |
| Gathering | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | |
| Offshore | | | | | | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | |
| Total Miles | 49.46 | 51.26 | 21.54 | 35.29 | 356.36 | |

PART K- MILES OF TRANSMISSION PIPE BY SPECIFIED MINIMUM YIELD STRENGTH

| ONSHORE | CLASS LOCATION | | | | Total Miles |
|---|----------------|--------------|---------------|----------|---------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | |
| Steel pipe Less than 20% SMYS | 30.95 | 4.51 | 7.67 | 0 | 43.13 |
| Steel pipe Greater than or equal to 20% SMYS but less than 30% SMYS | 21.29 | 7.14 | 22.6 | 0 | 51.03 |
| Steel pipe Greater than or equal to 30% SMYS but less than or equal to 40% SMYS | 11.87 | .7 | 27.36 | 0 | 39.93 |
| Steel pipe Greater than 40% SMYS but less than or equal to 50% SMYS | 42.86 | 15.91 | 6.83 | 0 | 65.6 |
| Steel pipe Greater than 50% SMYS but less than or equal to 60% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 60% SMYS but less than or equal to 72% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 72% SMYS but less than or equal to 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Greater than 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Steel pipe Unknown percent of SMYS | 77.69 | 20.61 | 57.23 | 0 | 155.53 |
| All Non-Steel pipe | 1.15 | 0 | 0 | 0 | 1.15 |
| Onshore Totals | 185.81 | 48.87 | 121.69 | 0 | 356.37 |

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| | | |
|--|---------|--------|
| OFFSHORE | Class I | |
| Less than or equal to 50% SMYS | 0 | |
| Greater than 50% SMYS but less than or equal to 72% SMYS | 0 | |
| Steel pipe Greater than 72% SMYS | 0 | |
| Steel Pipe Unknown percent of SMYS | 0 | |
| All non-steel pipe | 0 | |
| Offshore Total | 0 | 0 |
| Total Miles | 185.81 | 356.37 |

PART L - MILES OF PIPE BY CLASS LOCATION

| | Class Location | | | | Total Class Location Miles | HCA Miles in the IMP Program |
|-----------------------|----------------|---------|---------|---------|----------------------------|------------------------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | | |
| Transmission | | | | | | |
| Onshore | 185.81 | 48.87 | 121.69 | 0 | 356.37 | 40.9 |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Transmission | 185.81 | 48.87 | 121.69 | 0 | 356.37 | |
| Gathering | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | |
| Total Miles | 185.81 | 48.87 | 121.69 | 0 | 356.37 | 40.9 |

PART M – FAILURES, LEAKS, AND REPAIRS

PART M1 – ALL LEAKS ELIMINATED/REPAIRED IN CALENDAR YEAR; INCIDENTS & FAILURES IN HCA SEGMENTS IN CALENDAR YEAR

| Cause | Transmission Leaks, and Failures | | | | | Gathering Leaks | | |
|---|----------------------------------|---------|----------------|---------|--------------------------|-----------------|--------|----------------|
| | Leaks | | | | Failures in HCA Segments | Onshore Leaks | | Offshore Leaks |
| | Onshore Leaks | | Offshore Leaks | | | Type A | Type B | |
| | HCA | Non-HCA | HCA | Non-HCA | | | | |
| External Corrosion | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| Internal Corrosion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Stress Corrosion Cracking | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Manufacturing | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Equipment | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Incorrect Operations | 0 | 2 | 0 | 0 | 0 | 0 | 0 | |
| Third Party Damage/Mechanical Damage | | | | | | | | |
| Excavation Damage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Previous Damage (due to Excavation Activity) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Vandalism (includes all Intentional Damage) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Weather Related/Other Outside Force | | | | | | | | |
| Natural Force Damage (all) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other Outside Force Damage (excluding Vandalism and all Intentional Damage) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total | 2 | 4 | 0 | 0 | 0 | 0 | 0 | |

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Expires: 8/31/2020

Clyde

| PART M2 – KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR | | | |
|---|----------|--------------------|---|
| Transmission | 1 | Gathering | 0 |
| PART M3 – LEAKS ON FEDERAL LAND OR OCS REPAIRED OR SCHEDULED FOR REPAIR | | | |
| Transmission | | Gathering | |
| Onshore | 1 | Onshore Type A | 0 |
| | | Onshore Type B | 0 |
| OCS | 0 | OCS | 0 |
| Subtotal Transmission | 1 | Subtotal Gathering | 0 |
| Total | 1 | | |

| PART P - MILES OF PIPE BY MATERIAL AND CORROSION PROTECTION STATUS | | | | | | | | | | |
|--|------------------------------|--------|--------------------------------|--------|-----------|--------------|---------|------------------------|--------------------|-------------|
| | Steel Cathodically protected | | Steel Cathodically unprotected | | Cast Iron | Wrought Iron | Plastic | Composite ¹ | Other ² | Total Miles |
| | Bare | Coated | Bare | Coated | | | | | | |
| Transmission | | | | | | | | | | |
| Onshore | .64 | 351.48 | 3.05 | .02 | 0 | 0 | 1.15 | 0 | 0 | 356.34 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Transmission | .64 | 351.48 | 3.05 | .02 | 0 | 0 | 1.15 | 0 | 0 | 356.34 |
| Gathering | | | | | | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Miles | .64 | 351.48 | 3.05 | .02 | 0 | 0 | 1.15 | 0 | 0 | 356.34 |

¹Use of Composite pipe requires PHMSA Special Permit or waiver from a State

²specify Other material(s):

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| Part Q - Gas Transmission Miles by §192.619 MAOP Determination Method | | | | | | | | | | | | | | |
|---|-----------------|---------------------------------|-----------------|---------------------------------|-----------------|---------------------------------|-----------------|---------------------------------|--------------|------------------------------|--------------|------------------------------|-----------------------------|--------------------------------|
| | (a)(1) Total | (a)(1) Incomplete Records | (a)(2) Total | (a)(2) Incomplete Records | (a)(3) Total | (a)(3) Incomplete Records | (a)(4) Total | (a)(4) Incomplete Records | (c) Total | (c) Incomplete Records | (d) Total | (d) Incomplete Records | Other ¹ Total | Other Incomplete Records |
| Class 1 (in HCA) | .12 | 0 | .01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 1 (not in HCA) | 50.11 | | 96.64 | | 0 | | 0 | | 38.92 | | 0 | | 0 | |
| Class 2 (in HCA) | .15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 2 (not in HCA) | 11.64 | | 25.58 | | 0 | | 0 | | 11.49 | | 0 | | 0 | |
| Class 3 (in HCA) | 2.46 | 0 | 25.01 | 3.46 | 0 | 0 | 0 | 0 | 13.14 | 7.05 | 0 | 0 | 0 | 0 |
| Class 3 (not in HCA) | 6.73 | 0 | 45.89 | 7.56 | 0 | 0 | 0 | 0 | 28.47 | 7.51 | 0 | 0 | 0 | 0 |
| Class 4 (in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Class 4 (not in HCA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total | 71.21 | 0 | 193.13 | 11.02 | 0 | 0 | 0 | 0 | 92.02 | 14.56 | 0 | 0 | 0 | 0 |
| Grand Total | | | | | | | | 356.36 | | | | | | |
| Sum of Total row for all "Incomplete Records" columns | | | | | | | | 25.58 | | | | | | |

¹Specify Other method(s):

| | | | |
|------------------|--|----------------------|--|
| Class 1 (in HCA) | | Class 1 (not in HCA) | |
| Class 2 (in HCA) | | Class 2 (not in HCA) | |
| Class 3 (in HCA) | | Class 3 (not in HCA) | |
| Class 4 (in HCA) | | Class 4 (not in HCA) | |

| Part R - Gas Transmission Miles by Pressure Test (PT) Range and Internal Inspection | | | | | | | |
|---|--------------------------------|------------------------------------|--------------------------------|------------------------------------|---|------------------------------------|---------------|
| | PT ≥ 1.25 MAOP | | 1.25 MAOP > PT ≥ 1.1 MAOP | | PT < 1.1 or No PT | | |
| Location | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | Miles Internal Inspection ABLE | Miles Internal Inspection NOT ABLE | |
| Class 1 in HCA | .12 | 0 | 0 | 0 | .01 | 0 | |
| Class 2 in HCA | .15 | 0 | 0 | 0 | 0 | 0 | |
| Class 3 in HCA | 21.23 | .15 | 0 | 0 | 18.84 | .38 | |
| Class 4 in HCA | 0 | 0 | 0 | 0 | 0 | 0 | |
| in HCA subTotal | 21.5 | .15 | 0 | 0 | 18.85 | .38 | |
| Class 1 not in HCA | 64.42 | 55.11 | 0 | .33 | 42.86 | 22.96 | |
| Class 2 not in HCA | 16.09 | 9.36 | 0 | .36 | 12.91 | 9.98 | |
| Class 3 not in HCA | 40.49 | 2.4 | 0 | 0 | 36.75 | 1.45 | |
| Class 4 not in HCA | 0 | 0 | 0 | 0 | 0 | 0 | |
| not in HCA subTotal | 121 | 66.87 | 0 | .69 | 92.52 | 34.39 | |
| Total | 142.5 | 67.02 | 0 | .69 | 111.37 | 34.77 | |
| PT ≥ 1.25 MAOP Total | | | 209.52 | | Total Miles Internal Inspection ABLE | | 253.87 |
| 1.25 MAOP > PT ≥ 1.1 MAOP Total | | | .69 | | Total Miles Internal Inspection NOT ABLE | | 102.48 |
| PT < 1.1 or No PT Total | | | 146.14 | | Grand Total | | 356.35 |
| Grand Total | | | 356.35 | | | | |

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Clyde

For the designated Commodity Group, complete PART N one time for all of the pipelines and/or pipeline facilities included within this OPID, and then also PART O if any gas transmission pipeline facilities included within this OPID have Part L HCA mile value greater than zero.

| | |
|------------------------------------|----------------------|
| PART N - PREPARER SIGNATURE | |
| William Norton | (502)364-8439 |
| Preparer's Name(type or print) | Telephone Number |
| Mechanical Engineer III | |
| Preparer's Title | |
| William.Norton@lge-ku.com | |
| Preparer's E-mail Address | |

| | |
|---|----------------------|
| PART O - CERTIFYING SIGNATURE (applicable only to PARTs B, F, G, and M1) | |
| | (502)627-4830 |
| | Telephone Number |
| Lonnie E Bellar | |
| Senior Executive Officer's name certifying the information in PARTs B, F, G, and M as required by 49 U.S.C. 60109(f) | |
| Chief Operating Officer | |
| Senior Executive Officer's title certifying the information in PARTs B, F, G, and M as required by 49 U.S.C. 60109(f) | |
| lonnie.bellar@lge-ku.com | |
| Senior Executive Officer's E-mail Address | |

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated April 9, 2019**

Case No. 2017-00482

Question No. 4

Responding Witness: Peter Clyde

Q-4. Refer to the 2018 Annual Report, Part F, Section 2, pages 4-5, in which LG&E reported that it inspected 318.82 miles of transmission pipeline in 2017 using ILI tools and that based on these inspections, LG&E identified, excavated and repaired 12 anomalous conditions, four of which were located in an HCA.

a. State how many miles of the Calvary Pipeline were inspected in 2018 by each of the ILI tools listed in Part F, Section 2, of the 2018 Annual Report.

b. How many of the 12 anomalous conditions that were excavated were located on the Calvary Pipeline?

c. How many of the four anomalous conditions located within an HCA were on the Calvary Pipeline?

d. With respect to each anomalous condition on the Calvary Pipeline in an HCA segment:

(1) Describe each condition.

(2) Categorize each condition as an immediate repair condition, one-year condition, monitored condition, or other scheduled condition as defined in 49 C.F.R. § 192.933 {d}.

(3) State what actions LG&E has taken and plans to take to address the conditions.

A-4.

a. The mileage of pipeline inspected in 2018 is listed in Part F, Section 1, of the Company's 2018 Annual Report. The mileage indicated in Section 1 includes approximately 53 miles of metal loss tool inspections on the Calvary pipeline and approximately 53 miles of dent or deformation tool inspections on the Calvary pipeline. However, the 53 miles of dent or deformation tool inspections were mistakenly reported on the 2018 annual report, when those inspections were actually completed in 2017 and reported on the 2017 annual

report as noted in the response to Question No. 2 above. A supplemental 2018 annual report will be filed correcting the error.

- b. One of the 12 anomalous conditions that was excavated was on the Calvary pipeline.
- c. One of the four anomalous conditions located within an HCA was on the Calvary pipeline.
- d.
 - (1) The one anomalous condition reported on the annual report located within HCA on the Calvary pipeline was a <3% dent on the bottom 1/3 of the pipe.
 - (2) The dent was reported as a scheduled condition on the 2018 annual report. It did not meet the criteria of an immediate, 1 year, or monitored condition as defined in 49 C.F.R. § 192.933(d). Upon further review, however, the dent also did not meet the definition of a scheduled condition as defined in 49 CFR § 192.933(c). While LG&E voluntarily chose to schedule the dent for repair, because the inline inspection vendor believed the dent might have prevented a successful metal loss tool inspection of the pipeline, the dent should not have been reported as a scheduled condition on the annual report. The matter will be corrected on the supplemental 2018 annual report LG&E files.
 - (3) The cylinder of pipe which contained the dent was cut out of the pipeline and replaced. This work was completed on July 6, 2018.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated April 9, 2019**

Case No. 2017-00482

Question No. 5

Responding Witness: Peter Clyde

- Q-5. Refer to the 2018 Annual Report, Part G, pages 5-6, in which LG&E reported that in the calendar year 2018, it completed an integrity reassessment of 10.58 miles of transmission pipeline located in an HCA. Does this total include all segments of the Calvary Pipeline located in an HCA?
- A-5. All segments of the Calvary pipeline located in HCA were assessed. However, 0.97 miles of the Calvary pipeline in HCA was not included in the 10.58 miles reassessed. This is because the 0.97 miles was not a HCA during the 2010 ILI and therefore the 2018 assessment was a baseline assessment rather than a reassessment.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated April 9, 2019**

Case No. 2017-00482

Question No. 6

Responding Witness: Peter Clyde

- Q-6. For each successful ILI tool run of the Calvary Pipeline, provide the summary or final report of the ILI tool vendor.
- A-6. The tools detected two dents with metal loss, six dents >2% affecting a girth weld, and various monitored and other conditions which do not raise pipeline integrity concerns. This summary combines the results of the dent/deformation tool and metal loss tool as the data from both tools is used to categorize a particular anomaly.

The two dents with metal loss are outside of HCA. Of the six dents >2% affecting a girth weld, five are outside of HCA and one is within HCA. LG&E plans to excavate and repair or replace both dents with metal loss and all six dents >2% affecting a girth weld this year. These responses far exceed federal pipeline safety regulations and are being done as part of LG&E's commitment to pipeline safety.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated April 9, 2019**

Case No. 2017-00482

Question No. 7

Responding Witness: Peter Clyde

- Q-7. State whether LG&E requests that a hearing be held in this matter or that the matter stand submitted for a decision on the record. If LG&E requests a hearing, identify the issues it wishes to raise at the hearing, the witness or witnesses it intends to present, and an explanation of why a hearing on these issues is necessary.
- A-7. LG&E does not request a hearing be held on the matter. As a result, LG&E requests that the matter be submitted for a decision on the record.