

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In The Matter of the Application of Laclede Gas)
Company to Change its Infrastructure System) **File No. GO-2017-0201**
Replacement Surcharge in its Missouri Gas Energy)
Service Territory)

**VERIFIED APPLICATION AND PETITION OF MISSOURI GAS ENERGY,
AN OPERATING UNIT OF LACLEDE GAS COMPANY, TO CHANGE ITS
INFRASTRUCTURE SYSTEM REPLACEMENT SURCHARGE IN ITS
MISSOURI GAS ENERGY SERVICE TERRITORY**

COMES NOW Missouri Gas Energy (“MGE” or "Company"), an operating unit of Laclede Gas Company, pursuant to Sections 393.1009, 393.1012 and 393.1015 of the Revised Statutes of Missouri (2013), and 4 CSR 240-2.060, 2.080 and 3.265 of the Rules of the Missouri Public Service Commission (“Commission”), and for its Verified Application and Petition to Change its Infrastructure System Replacement Surcharge in its Missouri Gas Energy Service Territory (its “Application”), respectfully states as follows:

I. THE APPLICATION

1. Sections 393.1009, 393.1012 and 393.1015 of the Revised Statutes of Missouri authorize eligible gas corporations to recover certain infrastructure replacement costs by establishing and updating an infrastructure system replacement surcharge (“ISRS”). MGE’s current ISRS was established effective October 18, 2014 by Commission Order in Case No. GR-2015-0025, covering ISRS costs incurred through August 31, 2014.

2. At the time MGE’s ISRS was established, the Commission approved MGE’s initial notice, annual notice and the surcharge description on MGE bills, all as

required by 4 CSR 240-3.265(8) and (9). No change to these items is requested by MGE or required by Commission rule as a result of this Application to change the ISRS.

3. Since MGE's ISRS was established, it has been changed four times. The most recent change became effective on January 28, 2017, covering ISRS costs incurred through October 31, 2016. Since October 31, 2016, the Company has continued to make ISRS-eligible investments. MGE submits this Application to change its ISRS to reflect these additional investments covering the period from November 1, 2016 through February 28, 2017, including pro-forma ISRS investments for January and February which will be updated with final cost information well in advance of the statutory deadline for Staff's recommendation in this proceeding.

II. THE APPLICANT

4. MGE is an operating unit of Laclede Gas Company, which is duly incorporated under the laws of the State of Missouri and conducts business in its MGE service territory under the fictitious name of Missouri Gas Energy. Laclede's principal office is located at 700 Market Street, St. Louis, Missouri 63101. MGE's principal office is located at 7500 E. 35th Terrace, Kansas City, Missouri 64129. A Certificate of Good Standing evidencing Laclede's standing to do business in Missouri was submitted in Case No. GF-2013-0085 and is incorporated by reference herein for all purposes. The information in such Certificate is current and correct.

5. In its Missouri Gas Energy service territory, MGE is engaged in the business of distributing and transporting natural gas to approximately 500,000 customers in the western Missouri counties of Andrew, Barry, Barton, Bates, Buchanan, Carroll, Cass, Cedar, Christian, Clay, Clinton, Cooper, Dade, Dekalb, Greene, Henry, Howard,

Jackson, Jasper, Johnson, Lafayette, Lawrence, McDonald, Moniteau, Newton, Pettis, Platte, Ray, Saline, Stone, and Vernon.

6. Communications in regard to this Application should be addressed to the persons below:

Rick Zucker
Associate General Counsel
Laclede Gas Company
700 Market Street, 6th Floor
St. Louis, MO 63101
(314) 342-0533
rick.zucker@spireenergy.com

Michael R. Noack
Director, Pricing and Regulatory Affairs
Missouri Gas Energy
7500 E. 35th Terrace,
Kansas City, Missouri 64129
(816) 360-5560
michael.noack@spireenergy.com

7. Other than cases that have been docketed at the Commission, neither MGE nor Laclede has a pending action or final unsatisfied judgment or decision against it from any state or federal agency or court which involve customer service or rates within the past three years of the date of this application.

8. Laclede and MGE are current on their annual report and assessment fee obligations to the Commission; no such report or assessment fee is overdue.

III. THE ISRS REQUEST

9. With this Application, MGE requests an adjustment to its ISRS rate schedule to reflect investments made in connection with ISRS-eligible infrastructure system replacements during the period November 1, 2016 through December 31, 2016. Consistent with the methodology used in several of MGE's previous ISRS cases, and

specifically approved by the Commission in Case Nos. GO-2015-0343¹ and GO-2016-0197, this Application also includes pro forma ISRS costs updated through February 28, 2017.

10. In accordance with the provisions of Sections 393.1009-1015 and 4 CSR 240-3.265, the revised ISRS rate schedule reflects the appropriate pre-tax ISRS revenues necessary to produce net operating income equal to MGE's weighted cost of capital multiplied by the net original cost of the requested infrastructure replacements during this period that are eligible for inclusion in the ISRS, including recognition of accumulated deferred income taxes and accumulated depreciation associated with eligible infrastructure system replacements that are included in MGE's currently effective ISRS. MGE also seeks to recover all state, federal and local income or excise taxes applicable to such ISRS income, and to recover all other ISRS costs such as depreciation expense and property taxes due within 12 months of this filing.

A. Eligibility of Costs

11. The summary of the new infrastructure system replacements for which MGE seeks ISRS recognition are set forth on page 1 of Appendix A, with the details set forth on Appendices B, C and D, which are attached hereto and made a part hereof for all purposes. The infrastructure system replacements listed in the appendices are eligible gas utility plant projects in that they are either: a) mains, valves, service lines, regulator stations, vaults, and other pipeline system components installed to comply with state or federal safety requirements as replacements for existing facilities that have worn

¹ The Office of Public Counsel appealed the Order to the Western District Court of Appeals in case number WD79349. On September 27, 2016, the Court issued an opinion affirming the Commission's Order and on December 20, 2016, the Missouri Supreme Court denied OPC's application for transfer to that court.

out or are in deteriorated condition; or b) main relining projects, service line insertion projects, joint encapsulation projects, and other similar projects extending the useful life, or enhancing the integrity of pipeline system components undertaken to comply with state or federal safety requirements; or c) unreimbursed infrastructure facility relocations due to the construction or improvement of a highway, road, street, public way or other public work required by or on behalf of the United States, the State of Missouri, a political subdivision of the State of Missouri, or another entity having the power of eminent domain.

12. In addition to meeting the foregoing criteria, the infrastructure system replacements listed in the appendices are also eligible for ISRS treatment because they: (a) did not increase revenues by directly connecting to new customers; (b) are currently in service and used and useful; (c) were not included in MGE's rate base in its most recently completed general rate case, or in a previous ISRS filing; and (d) replaced and/or extended the useful life of existing infrastructure.

B. Rate Schedules, Calculations and Supporting Documentation

13. Attached hereto is the rate schedule, with supporting documents in Appendices A, B, C and D, proposed by MGE in order to revise the ISRS to reflect the additional ISRS eligible investments made by MGE that were not included in its previous ISRS filings. This proposed rate schedule, on an annualized basis, will produce additional ISRS revenues that do not exceed ten percent of MGE's base revenue level as approved by the Commission in its most recently completed general rate proceeding.

14. In determining the appropriate pre-tax ISRS revenues, the proposed rate schedule utilizes current local, state and federal income tax rates through a combined income tax rate conversion factor of 1.62308.

15. In determining the appropriate pre-tax ISRS revenues, the proposed rate schedule utilizes a pre-tax rate of return of 9.75% per the approved stipulation and agreement in MGE's most recently completed general rate proceeding (Case No. GR-2014-0007).

16. In determining the appropriate pre-tax ISRS revenues, the proposed rate schedule utilizes depreciation rates currently applicable to the eligible infrastructure system replacements, as approved by the Commission for MGE in the Rate Case.

17. In determining the appropriate pre-tax ISRS revenues, the proposed rate schedule utilizes a current composite property tax rate of 2.662%.

18. In determining the appropriate monthly ISRS charge, the proposed rate schedule is based on a reasonable estimate of billing units in the period in which the charge will be in effect, derived by dividing the appropriate pre-tax revenues, as calculated above, by the average number of customers in the most recent year ended December 31, 2015, and then further dividing this quotient by twelve. Consistent with the methodology used in previous ISRS filings, the monthly ISRS charge is apportioned between customer classes in proportion to the customer charges applicable to those classes.

C. Additional Information

19. In connection with 4 CSR 240-3.265(22), attached hereto and incorporated herein as Appendix E is a description of the Company's call center instructions pertaining

to the ISRS, along with a description of ISRS information posted on the Company's website.

WHEREFORE, pursuant to Commission Rule 393.1015.2(3) RSMo and Commission Rule 3.265(12), MGE respectfully requests that the Commission issue an order approving the ISRS rate schedule as described herein, and grant such other relief as may be necessary and appropriate to accomplish the purposes of Sections 393.1009 through 393.1015.

Respectfully submitted,

/s/ Rick E. Zucker
Rick E. Zucker #49211
Associate General Counsel
Missouri Gas Energy
700 Market Street, 6th Floor
St. Louis, MO 63101
(314) 342-0533 (telephone)
(314) 421-1979 (fax)
E-mail:rick.zucker@spireenergy.com

/s/ Michael C. Pendergast
Michael C. Pendergast #31763
Fischer & Dority, P.C.
423 Main Street
St. Charles, MO 63301
(314) 288-8723 (telephone)
E-mail:mcp2015law@icloud.com

ATTORNEYS FOR MGE AND LACLEDE GAS

CERTIFICATE OF SERVICE

The undersigned certifies that a true and correct copy of the foregoing Application and Petition was served on the General Counsel of the Staff and on the Office of the Public Counsel on this 3rd day of February, 2017 by hand-delivery, fax, electronic mail or United States mail, postage prepaid.

/s/ Marcia Spangler
Marcia Spangler

**Missouri Gas Energy
Summary of Plant Additions**

	Original Cost	Retirements	Accum Depr	Depr Exp
<u>Summary</u>				
Public Improvements	244,284.43		(1,914.19)	4,314.13
SLRP	17,206,613.97		(83,939.44)	309,989.48
Encapsulation	338,287.18		(2,871.54)	6,021.50
Regulator Stations				
Blanket Workorders	2,685,740.02		(26,155.04)	71,977.74
Retirements		(300,851.66)		(7,793.80)
Grand Total	<u>20,474,925.60</u>	<u>(300,851.66)</u>	<u>(114,880.21)</u>	<u>384,509.05</u>

Missouri Gas Energy
ISRS Revenue Requirements Calculation

<u>ISRS Activity:</u>	Total for ISRS Filing
<u>Gas Utility Plant Projects--Total -(RM) RSMo 393.1012:</u>	
<u>Work Orders Placed in Service:</u>	
Replacement Mains, Services and Associated Valves and Regulators	\$ 20,474,926
Deferred Taxes (Previous ISRS)	(1,415,995)
Accumulated Depreciation (Previous ISRS)	(1,115,586)
Deferred Taxes (Current)	(2,334,608)
Accumulated Depreciation (Current)	(114,880)
	<hr/>
Total ISRS Rate Base	\$ 15,493,856
Pre-tax rate of return from S&A in GR-2014-0007	9.75%
	<hr/>
Total Revenue Requirement on Capital	\$ 1,510,651
Depreciation Expense	384,509
Under Collection of Previous ISRS	119,666
Property Taxes	910,663
	<hr/>
Current ISRS Revenues	\$ 2,925,489
	<hr/> <hr/>

**Missouri Gas Energy
Property Tax Calculation
ISRS Filing**

2016 Investment - Previous ISRS filing	\$	46,154,609
2016 Investment - Current ISRS filings	\$	3,031,238
Less: 2016 Retirements - Current ISRS Filing	\$	(300,852)
Less: 2016 Retirements - Previous ISRS Filings	\$	<u>(2,569,551)</u>
Net Change in Property Base - Current ISRS	\$	46,315,445
Previous ISRS Investment Property Base	\$	61,245,299
Less: 2% Accumulated Depreciation	\$	<u>(1,224,906)</u>
Total Property Base	\$	106,335,838
Assessed Value %		32%
Rate		<u>8.3205%</u>
Property Tax Expense	\$	2,831,244
Property Taxes Currently Included in ISRS	\$	<u>1,920,581</u>
Increase in Property Taxes	\$	<u>910,663</u>

VERIFICATION

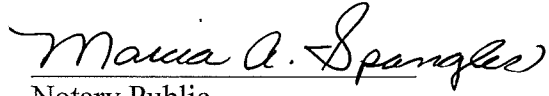
State of Missouri)
)
City of St. Louis) ss

I, C. Eric Lobser, being of lawful age state: that I am Vice President, Regulatory & Governmental Affairs of MGE, an operating unit of Laclede Gas Company; that I have read the foregoing Application and Petition and the documents attached thereto; that the statements and information set forth in such Application and Petition and attached documents are true and correct to the best of my information, knowledge and belief; and, that I am authorized to make this statement on behalf of MGE.



C. Eric Lobser

Subscribed and sworn to before me this 3rd day of February, 2017.



Notary Public

My Commission Expires: 9-24-18



Missouri Gas Energy
Deferred Taxes - Rate Base Reduction
ISRS Filing

Federal Tax Rate: 35.0000%
Composite Tax Rate: 38.3886%

	Current ISRS	GR-2015-0025	GO-2015-0270	GO-2015-0343	GO-2016-0197	GO-2016-0332
2017 Tax Depreciation	6,196,395	195,927	338,391	269,338	406,811	3,593,703
2016 Tax Depreciation	-	-	-	-	-	-
Total Tax Depreciation	6,196,395	195,927	338,391	269,338	406,811	3,593,703
Book Depreciation	114,880	144,253	219,072	181,544	237,630	333,086
Difference between tax and book Depec	\$ 6,081,515	\$ 51,673	\$ 119,318	\$ 87,794	\$ 169,180	\$ 3,260,617
Total Deferred Taxes	\$ 2,334,608	\$ 19,837	\$ 45,805	\$ 33,703	\$ 64,946	\$ 1,251,705

Missouri Gas Energy
Rate of Return Determination Per GR-2014-0007

Per the Stipulation and Agreement in GR-2014-0007 the pre-tax rate of return for all ISRS filings will be 9.75%

Missouri Gas Energy
Rate Design
ISRS Filing

Current ISRS Filing	2,925,489
GO-2016-0332	\$ 3,186,298
GO-2016-0197	\$ 3,570,050
GO-2015-0343	\$ 1,878,151
GO-2015-0270 ISRS Rev Req	\$ 2,814,926
GR-2015-0025 ISRS Rev Req	\$ 1,990,295
Total ISRS Rev Requirement	\$ 16,365,209

	No. of Customers <u>Note</u>	Customer <u>Charges</u>	<u>Allocation</u>	Ratio To <u>Res Cust Chrg</u>	ISRS Charge	<u>ISRS Revenue</u>
Residential	445,941	\$23.00	\$ 14,373,761	1.0000	\$ 2.40	\$ 12,856,932
Small General Service	57,881	\$34.00	\$ 1,865,645	1.4783	\$ 3.55	\$ 2,466,874
Large General Service	3,421	\$115.40	\$ 110,267	5.0174	\$ 12.05	\$ 494,870
Large Volume	482	\$904.56	\$ 15,536	39.3287	\$ 94.49	\$ 546,533
	<u>507,725</u>		<u>\$ 16,365,209</u>			<u>\$ 16,365,209</u>

Missouri Gas Energy - MGE
ISRS Work Order Additions November & December 2016 with January & February 2017 Estimates

Utility Account	New Work Order No.	Work Order Description	Month	Addition Amount	Months	Depr Mo. Rate	Accum. Depr	Depr Expense
376200-Mains - Cast Iron	003969	ENCAPSULATION CAST IRON JOINTS	201611	244,437.36	6	0.00148333	2,175.49	4,350.98
376200-Mains - Cast Iron	003969	BWO-Encapsulation Cast Iron Joints	201612	93,849.82	5	0.00148333	696.05	1,670.52
				338,287.18			2,871.54	6,021.50
380200-Services - Plastic & Copper	004152	BWO-Repl Svc w/ Pls (North Reg)	201611	487,210.40	6	0.00223333	6,528.61	13,057.22
380200-Services - Plastic & Copper	004152	BWO-Repl Svc w/ Pls (North Reg)	201612	359,592.56	5	0.00223333	4,015.44	9,637.07
380200-Services - Plastic & Copper	004417	BWO-REPLACE SERVICE	201612	800.00	5	0.00223333	8.93	21.44
380100-Services - Steel	009217	BWO-Replace Svc w/ Steel (North)	201612	469.24	5	0.00223333	5.24	12.58
380200-Services - Plastic & Copper	004153	BWO-Repl Svc w/ Pls (South Reg)	201611	68,282.35	6	0.00223333	914.98	1,829.96
380200-Services - Plastic & Copper	004153	BWO-Repl Svc w/ Pls (South Reg)	201612	138,136.60	5	0.00223333	1,542.52	3,702.06
380100-Services - Steel	009218	BWO-Replace Svc w/ Steel (South)	201611	(41.15)	6	0.00223333	(0.55)	(1.10)
380100-Services - Steel	009218	BWO-Replace Svc w/ Steel (South)	201612	273.69	5	0.00223333	3.06	7.33
380200-Services - Plastic & Copper	004501	BWO-Repl Svc w/ Pls (SW Reg)	201611	50,506.33	6	0.00223333	676.78	1,353.57
380200-Services - Plastic & Copper	004501	BWO-Repl Svc w/ Pls (SW Reg)	201612	24,886.94	5	0.00223333	277.90	666.97
380100-Services - Steel	009219	BWO-Replace Svc w/ Steel (Southwest)	201612	6,674.56	5	0.00223333	74.53	178.88
				1,136,791.52			14,047.44	30,465.98
376300-Mains - Plastic	007052	BWO Main Installed Mtce-North Reg	201611	471.84	6	0.00148333	4.20	8.40
376300-Mains - Plastic	007052	BWO Main Installed Mtce-North Reg	201612	8,031.33	5	0.00148333	59.57	142.96
376100-Mains - Steel	800031	AOR - 2021 Elmwood	201611	1,138.87	6	0.00148333	10.14	20.27
376300-Mains - Plastic	800031	AOR - 2021 Elmwood	201611	23,447.36	6	0.00148333	208.68	417.36
380200-Services - Plastic & Copper	800031	AOR - 2021 Elmwood	201611	1,128.85	6	0.00223333	15.13	30.25
376100-Mains - Steel	800039	Pickett Rd and 29th St - Main Repla	201611	0.06	6	0.00148333	-	-
376300-Mains - Plastic	800039	Pickett Rd and 29th St - Main Repla	201611	118.87	6	0.00148333	1.06	2.12
380200-Services - Plastic & Copper	800039	Pickett Rd and 29th St - Main Repla	201611	50.94	6	0.00223333	0.68	1.37
376100-Mains - Steel	800039	Pickett Rd and 29th St - Main Repla	201612	(0.01)	5	0.00148333	-	-
376300-Mains - Plastic	800039	Pickett Rd and 29th St - Main Repla	201612	(13.77)	5	0.00148333	(0.10)	(0.25)
380200-Services - Plastic & Copper	800039	Pickett Rd and 29th St - Main Repla	201612	(5.89)	5	0.00223333	(0.07)	(0.16)
376300-Mains - Plastic	800041	Liberty Header - Phase 4 IUI	201611	4,048.93	6	0.00148333	36.04	72.07
376300-Mains - Plastic	800041	Liberty Header - Phase 4 IUI	201612	1,529.02	5	0.00148333	11.34	27.22
376300-Mains - Plastic	800045	Liberty - Grid Phase A	201611	(11,961.60)	6	0.00148333	(106.46)	(212.92)
380200-Services - Plastic & Copper	800045	Liberty - Grid Phase A	201611	(49.55)	6	0.00223333	(0.66)	(1.33)
376300-Mains - Plastic	800045	Liberty - Grid Phase A	201612	9,142.47	5	0.00148333	67.81	162.74
380200-Services - Plastic & Copper	800045	Liberty - Grid Phase A	201612	37.88	5	0.00223333	0.42	1.02
376300-Mains - Plastic	800046	Liberty - Grid Phase B	201611	27,197.14	6	0.00148333	242.05	484.11
380200-Services - Plastic & Copper	800046	Liberty - Grid Phase B	201611	203.06	6	0.00223333	2.72	5.44
376300-Mains - Plastic	800046	Liberty - Grid Phase B	201612	687.79	5	0.00148333	5.10	12.24
380200-Services - Plastic & Copper	800046	Liberty - Grid Phase B	201612	5.14	5	0.00223333	0.06	0.14
376300-Mains - Plastic	800078	Liberty Header - Phase 1	201611	(432.84)	6	0.00148333	(3.85)	(7.70)
376300-Mains - Plastic	800078	Liberty Header - Phase 1	201612	333.50	5	0.00148333	2.47	5.94
376300-Mains - Plastic	800135	St. Joe's South Phase 1A - MGE	201611	1,714.93	6	0.00148333	15.26	30.53
376300-Mains - Plastic	800135	St. Joe's South Phase 1A - MGE	201612	26.13	5	0.00148333	0.19	0.47
376300-Mains - Plastic	800136	FY16 Strat Grid-St. Joe's South 1B	201611	881.62	6	0.00148333	7.85	15.69
380200-Services - Plastic & Copper	800136	FY16 Strat Grid-St. Joe's South 1B	201611	24.67	6	0.00223333	0.33	0.66
376300-Mains - Plastic	800136	FY16 Strat Grid-St. Joe's South 1B	201612	(174.17)	5	0.00148333	(1.29)	(3.10)
380200-Services - Plastic & Copper	800136	FY16 Strat Grid-St. Joe's South 1B	201612	(4.87)	5	0.00223333	(0.05)	(0.13)
376300-Mains - Plastic	800137	St. Joe's South Phase 1C - MGE	201611	41,699.64	6	0.00148333	371.13	742.25

Missouri Gas Energy - MGE
ISRS Work Order Additions November & December 2016 with January & February 2017 Estimates

Utility Account	New Work Order No.	Work Order Description	Month	Addition Amount	Months	Depr Mo. Rate	Accum. Depr	Depr Expense
380200-Services - Plastic & Copper	800137	St. Joe's South Phase 1C - MGE	201611	367.67	6	0.00223333	4.93	9.85
376300-Mains - Plastic	800137	St. Joe's South Phase 1C - MGE	201612	885.68	5	0.00148333	6.57	15.77
380200-Services - Plastic & Copper	800137	St. Joe's South Phase 1C - MGE	201612	7.81	5	0.00223333	0.09	0.21
376300-Mains - Plastic	800138	St. Joe's South Phase 1D - MGE	201611	(5,895.54)	6	0.00148333	(52.47)	(104.94)
380200-Services - Plastic & Copper	800138	St. Joe's South Phase 1D - MGE	201611	(73.12)	6	0.00223333	(0.98)	(1.96)
376300-Mains - Plastic	800138	St. Joe's South Phase 1D - MGE	201612	5,276.87	5	0.00148333	39.14	93.93
380200-Services - Plastic & Copper	800138	St. Joe's South Phase 1D - MGE	201612	65.47	5	0.00223333	0.73	1.75
376300-Mains - Plastic	800142	Hwy 71 and Gregory Grid Replace PhB	201611	(328.15)	6	0.00148333	(2.92)	(5.84)
380200-Services - Plastic & Copper	800142	Hwy 71 and Gregory Grid Replace PhB	201611	(88.27)	6	0.00223333	(1.18)	(2.37)
376300-Mains - Plastic	800142	Hwy 71 and Gregory Grid Replace PhB	201612	503.46	5	0.00148333	3.73	8.96
380200-Services - Plastic & Copper	800142	Hwy 71 and Gregory Grid Replace PhB	201612	135.45	5	0.00223333	1.51	3.63
376300-Mains - Plastic	800143	Hwy 71 & Gregory Grid Replace PhC	201611	(78.71)	6	0.00148333	(0.70)	(1.40)
380200-Services - Plastic & Copper	800143	Hwy 71 & Gregory Grid Replace PhC	201611	(11.40)	6	0.00223333	(0.15)	(0.31)
376300-Mains - Plastic	800143	Hwy 71 & Gregory Grid Replace PhC	201612	48.08	5	0.00148333	0.36	0.86
380200-Services - Plastic & Copper	800143	Hwy 71 & Gregory Grid Replace PhC	201612	6.98	5	0.00223333	0.08	0.19
376300-Mains - Plastic	800145	Repl w 4271F 4P- 71 & Gregory Ph E	201611	152.84	6	0.00148333	1.36	2.72
380100-Services - Steel	800145	Repl w 4271F 4P- 71 & Gregory Ph E	201611	0.43	6	0.00223333	0.01	0.01
380200-Services - Plastic & Copper	800145	Repl w 4271F 4P- 71 & Gregory Ph E	201611	34.85	6	0.00223333	0.47	0.93
376300-Mains - Plastic	800145	Repl w 4271F 4P- 71 & Gregory Ph E	201612	43.04	5	0.00148333	0.32	0.77
380100-Services - Steel	800145	Repl w 4271F 4P- 71 & Gregory Ph E	201612	0.12	5	0.00223333	-	-
380200-Services - Plastic & Copper	800145	Repl w 4271F 4P- 71 & Gregory Ph E	201612	9.82	5	0.00223333	0.11	0.26
376300-Mains - Plastic	800146	Repl w/ 4506F 2P Hwy71 & Gregory-F	201611	(380.09)	6	0.00148333	(3.38)	(6.77)
380100-Services - Steel	800146	Repl w/ 4506F 2P Hwy71 & Gregory-F	201611	(1.19)	6	0.00223333	(0.02)	(0.03)
380200-Services - Plastic & Copper	800146	Repl w/ 4506F 2P Hwy71 & Gregory-F	201611	(44.86)	6	0.00223333	(0.60)	(1.20)
376300-Mains - Plastic	800146	Repl w/ 4506F 2P Hwy71 & Gregory-F	201612	22,221.61	5	0.00148333	164.81	395.54
380100-Services - Steel	800146	Repl w/ 4506F 2P Hwy71 & Gregory-F	201612	69.01	5	0.00223333	0.77	1.85
380200-Services - Plastic & Copper	800146	Repl w/ 4506F 2P Hwy71 & Gregory-F	201612	2,622.83	5	0.00223333	29.29	70.29
376300-Mains - Plastic	800196	AOR - 2939 Brooklyn Ave	201611	(2,081.13)	6	0.00148333	(18.52)	(37.04)
376300-Mains - Plastic	800228	31st and College Replacement - IUI	201611	16,441.93	6	0.00148333	146.33	292.67
380200-Services - Plastic & Copper	800228	31st and College Replacement - IUI	201611	1,476.09	6	0.00223333	19.78	39.56
376300-Mains - Plastic	800242	Cast Iron Abandonment 55th & Jackso	201612	(46.74)	5	0.00148333	(0.35)	(0.83)
380200-Services - Plastic & Copper	800242	Cast Iron Abandonment 55th & Jackso	201612	(5.33)	5	0.00223333	(0.06)	(0.14)
376300-Mains - Plastic	800272	AOR - 20th and McGee St Replacement	201611	13,307.55	6	0.00148333	118.44	236.87
380200-Services - Plastic & Copper	800272	AOR - 20th and McGee St Replacement	201611	1,005.42	6	0.00223333	13.47	26.95
376300-Mains - Plastic	800347	AOR 3211 Cypress Ave Replacement -	201612	742.14	5	0.00148333	5.50	13.21
376300-Mains - Plastic	800551	Repl w/ 2962F 2P 58th and Olive	201611	32,673.68	6	0.00148333	290.80	581.59
380100-Services - Steel	800551	Repl w/ 2962F 2P 58th and Olive	201611	70.87	6	0.00223333	0.95	1.90
376300-Mains - Plastic	800551	Repl w/ 2962F 2P 58th and Olive	201612	2,081.54	5	0.00148333	15.44	37.05
380100-Services - Steel	800551	Repl w/ 2962F 2P 58th and Olive	201612	4.52	5	0.00223333	0.05	0.12
376300-Mains - Plastic	800569	Repl w/ 30F 4P Troost AOR	201611	(230.15)	6	0.00148333	(2.05)	(4.10)
376300-Mains - Plastic	800569	Repl w/ 30F 4P Troost AOR	201612	133.14	5	0.00148333	0.99	2.37
376300-Mains - Plastic	800648	Repl w/ 947F 4P 53rd Ter & Ditman	201611	(36.35)	6	0.00148333	(0.32)	(0.65)
376300-Mains - Plastic	800648	Repl w/ 947F 4P 53rd Ter & Ditman	201612	21.13	5	0.00148333	0.16	0.38
376300-Mains - Plastic	800766	Repl w 30F 4P Indiana & 12th AOR	201612	25,529.48	5	0.00148333	189.34	454.42
376300-Mains - Plastic	007053	BWO Mains Installed Mtce -South Reg	201611	(5,185.78)	6	0.00148333	(46.15)	(92.31)
376300-Mains - Plastic	007053	BWO Mains Installed Mtce -South Reg	201612	11,047.11	5	0.00148333	81.93	196.64
376300-Mains - Plastic	007054	BWO Mains Installed Mtce-Southwest	201611	(6,874.34)	6	0.00148333	(61.18)	(122.36)

Missouri Gas Energy - MGE
ISRS Work Order Additions November & December 2016 with January & February 2017 Estimates

Utility Account	New Work Order No.	Work Order Description	Month	Addition Amount	Months	Depr Mo. Rate	Accum. Depr	Depr Expense
376300-Mains - Plastic	007054	BWO Mains Installed Mtce-Southwest	201612	3,487.62	5	0.00148333	25.87	62.08
376100-Mains - Steel	008406	Lees Summit Rd 85th - Gregory	201611	43,089.00	6	0.00148333	383.49	766.98
376300-Mains - Plastic	008683	Replace 4in & 6in pbs and p	201611	637.71	6	0.00148333	5.68	11.35
376300-Mains - Plastic	008761	Replace 2in & 4in PBS Main	201612	(50.58)	5	0.00148333	(0.38)	(0.90)
376300-Mains - Plastic	008906	Replace 10in and 6in pbs ma	201611	(25.18)	6	0.00148333	(0.22)	(0.45)
376300-Mains - Plastic	008906	Replace 10in and 6in pbs ma	201612	0.76	5	0.00148333	0.01	0.01
376100-Mains - Steel	009224	Replace 2 PCS/PE & 4in PCS/PE	201611	24,336.87	6	0.00148333	216.60	433.20
376300-Mains - Plastic	009224	Replace 2 PCS/PE & 4in PCS/PE	201611	(24,336.87)	6	0.00148333	(216.60)	(433.20)
376300-Mains - Plastic	800027	CP15-02 Replace 2" pbs main	201612	(14,555.55)	5	0.00148333	(107.95)	(259.09)
380100-Services - Steel	800027	CP15-02 Replace 2" pbs main	201612	(60.89)	5	0.00223333	(0.68)	(1.63)
380200-Services - Plastic & Copper	800027	CP15-02 Replace 2" pbs main	201612	(1,861.63)	5	0.00223333	(20.79)	(49.89)
376300-Mains - Plastic	800068	Tipton Bare Steel Replace-Grid PhA	201611	283.68	6	0.00148333	2.52	5.05
380200-Services - Plastic & Copper	800068	Tipton Bare Steel Replace-Grid PhA	201611	0.01	6	0.00223333	-	-
376300-Mains - Plastic	800068	Tipton Bare Steel Replace-Grid PhA	201612	1,943.60	5	0.00148333	14.42	34.60
380200-Services - Plastic & Copper	800068	Tipton Bare Steel Replace-Grid PhA	201612	0.07	5	0.00223333	-	-
376300-Mains - Plastic	800069	Tipton Grid Phase C - Bare steel re	201611	(56.20)	6	0.00148333	(0.50)	(1.00)
380200-Services - Plastic & Copper	800069	Tipton Grid Phase C - Bare steel re	201611	(0.01)	6	0.00223333	-	-
376300-Mains - Plastic	800069	Tipton Grid Phase C - Bare steel re	201612	4,788.98	5	0.00148333	35.52	85.24
380200-Services - Plastic & Copper	800069	Tipton Grid Phase C - Bare steel re	201612	1.12	5	0.00223333	0.01	0.03
376300-Mains - Plastic	800070	Tipton Grid Phase D - Bare steel re	201611	721.06	6	0.00148333	6.42	12.83
376300-Mains - Plastic	800070	Tipton Grid Phase D - Bare steel re	201612	(520.87)	5	0.00148333	(3.86)	(9.27)
376300-Mains - Plastic	800072	Tipton Grid Phase B - Bare steel re	201611	(153.71)	6	0.00148333	(1.37)	(2.74)
380200-Services - Plastic & Copper	800072	Tipton Grid Phase B - Bare steel re	201611	(0.07)	6	0.00223333	-	-
376300-Mains - Plastic	800072	Tipton Grid Phase B - Bare steel re	201612	5,751.91	5	0.00148333	42.66	102.38
380200-Services - Plastic & Copper	800072	Tipton Grid Phase B - Bare steel re	201612	2.26	5	0.00223333	0.03	0.06
376300-Mains - Plastic	800073	Tipton Grid Phase F - Bare steel re	201611	5,599.15	6	0.00148333	49.83	99.66
376300-Mains - Plastic	800073	Tipton Grid Phase F - Bare steel re	201612	22,859.34	5	0.00148333	169.54	406.90
376300-Mains - Plastic	800075	Tipton Grid Phase E - Bare steel re	201611	(12.31)	6	0.00148333	(0.11)	(0.22)
380200-Services - Plastic & Copper	800075	Tipton Grid Phase E - Bare steel re	201611	(0.02)	6	0.00223333	-	-
376300-Mains - Plastic	800075	Tipton Grid Phase E - Bare steel re	201612	12,721.13	5	0.00148333	94.35	226.44
380200-Services - Plastic & Copper	800075	Tipton Grid Phase E - Bare steel re	201612	20.71	5	0.00223333	0.23	0.56
376300-Mains - Plastic	800083	Holden Grid Phase 2I	201611	1,058.54	6	0.00148333	9.42	18.84
380200-Services - Plastic & Copper	800083	Holden Grid Phase 2I	201611	11.92	6	0.00223333	0.16	0.32
376300-Mains - Plastic	800083	Holden Grid Phase 2I	201612	1,925.70	5	0.00148333	14.28	34.28
380200-Services - Plastic & Copper	800083	Holden Grid Phase 2I	201612	21.70	5	0.00223333	0.24	0.58
376300-Mains - Plastic	800084	Holden Grid Phase 2H	201611	11,804.01	6	0.00148333	105.06	210.11
380200-Services - Plastic & Copper	800084	Holden Grid Phase 2H	201611	153.95	6	0.00223333	2.06	4.13
376300-Mains - Plastic	800084	Holden Grid Phase 2H	201612	1,129.09	5	0.00148333	8.37	20.10
380200-Services - Plastic & Copper	800084	Holden Grid Phase 2H	201612	14.72	5	0.00223333	0.16	0.39
376300-Mains - Plastic	800085	Holden Grid Phase 2G	201611	15,917.24	6	0.00148333	141.66	283.33
380200-Services - Plastic & Copper	800085	Holden Grid Phase 2G	201611	272.72	6	0.00223333	3.65	7.31
376300-Mains - Plastic	800085	Holden Grid Phase 2G	201612	526.05	5	0.00148333	3.90	9.36
380200-Services - Plastic & Copper	800085	Holden Grid Phase 2G	201612	9.01	5	0.00223333	0.10	0.24
376300-Mains - Plastic	800086	Holden Grid Phase 2F	201611	10,838.40	6	0.00148333	96.46	192.92
380200-Services - Plastic & Copper	800086	Holden Grid Phase 2F	201611	111.35	6	0.00223333	1.49	2.98
376300-Mains - Plastic	800086	Holden Grid Phase 2F	201612	1,112.70	5	0.00148333	8.25	19.81
380200-Services - Plastic & Copper	800086	Holden Grid Phase 2F	201612	11.43	5	0.00223333	0.13	0.31

Missouri Gas Energy - MGE
ISRS Work Order Additions November & December 2016 with January & February 2017 Estimates

Utility Account	New Work Order No.	Work Order Description	Month	Addition Amount	Months	Depr Mo. Rate	Accum. Depr	Depr Expense
376100-Mains - Steel	800087	Holden Grid Phase 2E	201611	(0.19)	6	0.00148333	-	-
376300-Mains - Plastic	800087	Holden Grid Phase 2E	201611	(1,080.55)	6	0.00148333	(9.62)	(19.23)
380200-Services - Plastic & Copper	800087	Holden Grid Phase 2E	201611	(1.39)	6	0.00223333	(0.02)	(0.04)
376100-Mains - Steel	800087	Holden Grid Phase 2E	201612	0.09	5	0.00148333	-	-
376300-Mains - Plastic	800087	Holden Grid Phase 2E	201612	640.68	5	0.00148333	4.75	11.40
380200-Services - Plastic & Copper	800087	Holden Grid Phase 2E	201612	0.84	5	0.00223333	0.01	0.02
376100-Mains - Steel	800088	Holden Grid Phase 2D	201611	0.84	6	0.00148333	0.01	0.01
376300-Mains - Plastic	800088	Holden Grid Phase 2D	201611	8,962.92	6	0.00148333	79.77	159.54
380200-Services - Plastic & Copper	800088	Holden Grid Phase 2D	201611	14.77	6	0.00223333	0.20	0.40
376100-Mains - Steel	800088	Holden Grid Phase 2D	201612	0.09	5	0.00148333	-	-
376300-Mains - Plastic	800088	Holden Grid Phase 2D	201612	1,080.87	5	0.00148333	8.02	19.24
380200-Services - Plastic & Copper	800088	Holden Grid Phase 2D	201612	1.78	5	0.00223333	0.02	0.05
376300-Mains - Plastic	800089	Holden Grid Phase 2C	201611	5,834.44	6	0.00148333	51.93	103.85
380200-Services - Plastic & Copper	800089	Holden Grid Phase 2C	201611	0.51	6	0.00223333	0.01	0.01
376300-Mains - Plastic	800089	Holden Grid Phase 2C	201612	274.28	5	0.00148333	2.03	4.88
380200-Services - Plastic & Copper	800089	Holden Grid Phase 2C	201612	0.03	5	0.00223333	-	-
376300-Mains - Plastic	800104	Centerview Grid Replacement Phase 1	201611	20.51	6	0.00148333	0.18	0.37
376300-Mains - Plastic	800104	Centerview Grid Replacement Phase 1	201612	(15.14)	5	0.00148333	(0.11)	(0.27)
376300-Mains - Plastic	800249	Replace 2" Main-Savage & Pacific	201611	109.44	6	0.00148333	0.97	1.95
376100-Mains - Steel	800254	Pleasant Hill Main Replacement- Pha	201611	(0.48)	6	0.00148333	-	(0.01)
376300-Mains - Plastic	800254	Pleasant Hill Main Replacement- Pha	201611	(6,498.03)	6	0.00148333	(57.83)	(115.66)
380200-Services - Plastic & Copper	800254	Pleasant Hill Main Replacement- Pha	201611	(3.62)	6	0.00223333	(0.05)	(0.10)
376100-Mains - Steel	800254	Pleasant Hill Main Replacement- Pha	201612	1.38	5	0.00148333	0.01	0.02
376300-Mains - Plastic	800254	Pleasant Hill Main Replacement- Pha	201612	19,109.57	5	0.00148333	141.73	340.15
380200-Services - Plastic & Copper	800254	Pleasant Hill Main Replacement- Pha	201612	10.69	5	0.00223333	0.12	0.29
376300-Mains - Plastic	800255	Pleasant Hill Main Replace-Phase 2	201611	20,147.21	6	0.00148333	179.31	358.62
380200-Services - Plastic & Copper	800255	Pleasant Hill Main Replace-Phase 2	201611	845.84	6	0.00223333	11.33	22.67
376300-Mains - Plastic	800255	Pleasant Hill Main Replace-Phase 2	201612	527.91	5	0.00148333	3.92	9.40
380200-Services - Plastic & Copper	800255	Pleasant Hill Main Replace-Phase 2	201612	22.17	5	0.00223333	0.25	0.59
376300-Mains - Plastic	800428	Aber and MorrelRepl Bare Steel Main	201611	(4,007.60)	6	0.00148333	(35.67)	(71.34)
376300-Mains - Plastic	800430	Repl w 4625F 2-4P TCLea&Rogers Ph1	201611	(248.73)	6	0.00148333	(2.21)	(4.43)
380200-Services - Plastic & Copper	800430	Repl w 4625F 2-4P TCLea&Rogers Ph1	201611	(5.86)	6	0.00223333	(0.08)	(0.16)
376300-Mains - Plastic	800430	Repl w 4625F 2-4P TCLea&Rogers Ph1	201612	150.94	5	0.00148333	1.12	2.69
380200-Services - Plastic & Copper	800430	Repl w 4625F 2-4P TCLea&Rogers Ph1	201612	3.56	5	0.00223333	0.04	0.10
376300-Mains - Plastic	800543	Repl w/ 4265F 2P TC Lea &RogersPh2	201611	1,070.44	6	0.00148333	9.53	19.05
380200-Services - Plastic & Copper	800543	Repl w/ 4265F 2P TC Lea &RogersPh2	201611	11.24	6	0.00223333	0.15	0.30
376300-Mains - Plastic	800543	Repl w/ 4265F 2P TC Lea &RogersPh2	201612	340.08	5	0.00148333	2.52	6.05
380200-Services - Plastic & Copper	800543	Repl w/ 4265F 2P TC Lea &RogersPh2	201612	3.56	5	0.00223333	0.04	0.10
376100-Mains - Steel	800557	Repl 4185F 8S Colbern Feeder Main	201611	(85.80)	6	0.00148333	(0.76)	(1.53)
380100-Services - Steel	800557	Repl 4185F 8S Colbern Feeder Main	201611	(0.33)	6	0.00223333	-	(0.01)
376100-Mains - Steel	800557	Repl 4185F 8S Colbern Feeder Main	201612	79.40	5	0.00148333	0.59	1.41
380100-Services - Steel	800557	Repl 4185F 8S Colbern Feeder Main	201612	0.30	5	0.00223333	-	0.01
376300-Mains - Plastic	800622	Repl w/ 5785F 2P 29th & Northern	201612	254,401.45	5	0.00148333	1,886.81	4,528.34
380200-Services - Plastic & Copper	800622	Repl w/ 5785F 2P 29th & Northern	201612	168,434.91	5	0.00223333	1,880.85	4,514.05
376300-Mains - Plastic	800724	Repl w 2490F 2-4P 60th Terr & Elm	201612	61,311.21	5	0.00148333	454.72	1,091.34
380200-Services - Plastic & Copper	800724	Repl w 2490F 2-4P 60th Terr & Elm	201612	33,859.34	5	0.00223333	378.10	907.43
376300-Mains - Plastic	800038	Main Replacemen due to CPs/Iso Stee	201611	(3,331.29)	6	0.00148333	(29.65)	(59.30)

Missouri Gas Energy - MGE
ISRS Work Order Additions November & December 2016 with January & February 2017 Estimates

Utility Account	New Work Order No.	Work Order Description	Month	Addition Amount	Months	Depr Mo. Rate	Accum. Depr	Depr Expense
376300-Mains - Plastic	800038	Main Replacem due to CPs/Iso Stee	201612	133.21	5	0.00148333	0.99	2.37
376300-Mains - Plastic	800064	Repl w/ 3152F 2-4P 48th & Rangeline	201611	(104.26)	6	0.00148333	(0.93)	(1.86)
380200-Services - Plastic & Copper	800064	Repl w/ 3152F 2-4P 48th & Rangeline	201611	(1.56)	6	0.00223333	(0.02)	(0.04)
376300-Mains - Plastic	800064	Repl w/ 3152F 2-4P 48th & Rangeline	201612	10.21	5	0.00148333	0.08	0.18
380200-Services - Plastic & Copper	800064	Repl w/ 3152F 2-4P 48th & Rangeline	201612	0.14	5	0.00223333	-	-
376300-Mains - Plastic	800114	Webb City Ph1A Grid Bare Steel Rep	201612	(744.49)	5	0.00148333	(5.52)	(13.25)
380200-Services - Plastic & Copper	800114	Webb City Ph1A Grid Bare Steel Rep	201612	744.49	5	0.00223333	8.31	19.95
376300-Mains - Plastic	800115	Webb City Phase 1B Grid Bare Steel	201611	(14.24)	6	0.00148333	(0.13)	(0.25)
380200-Services - Plastic & Copper	800115	Webb City Phase 1B Grid Bare Steel	201611	(0.26)	6	0.00223333	-	(0.01)
376300-Mains - Plastic	800115	Webb City Phase 1B Grid Bare Steel	201612	7,196.27	5	0.00148333	53.37	128.09
380200-Services - Plastic & Copper	800115	Webb City Phase 1B Grid Bare Steel	201612	(7,185.14)	5	0.00223333	(80.23)	(192.56)
376300-Mains - Plastic	800116	Webb City Phase 1C Grid Bare Steel	201612	677.12	5	0.00148333	5.02	12.05
380200-Services - Plastic & Copper	800116	Webb City Phase 1C Grid Bare Steel	201612	(677.12)	5	0.00223333	(7.56)	(18.15)
376300-Mains - Plastic	800163	Webb City Phase 1D Bare Steel Repla	201611	967.16	6	0.00148333	8.61	17.22
380200-Services - Plastic & Copper	800163	Webb City Phase 1D Bare Steel Repla	201611	200.25	6	0.00223333	2.68	5.37
376300-Mains - Plastic	800163	Webb City Phase 1D Bare Steel Repla	201612	1,028.35	5	0.00148333	7.63	18.30
380200-Services - Plastic & Copper	800163	Webb City Phase 1D Bare Steel Repla	201612	212.94	5	0.00223333	2.38	5.71
376300-Mains - Plastic	800178	Webb City Phase 1E Grid Repl	201611	1,034.31	6	0.00148333	9.21	18.41
380200-Services - Plastic & Copper	800178	Webb City Phase 1E Grid Repl	201611	27.82	6	0.00223333	0.37	0.75
376300-Mains - Plastic	800178	Webb City Phase 1E Grid Repl	201612	(1,727.22)	5	0.00148333	(12.81)	(30.74)
380200-Services - Plastic & Copper	800178	Webb City Phase 1E Grid Repl	201612	(46.47)	5	0.00223333	(0.52)	(1.25)
376300-Mains - Plastic	800179	Webb City Phase 1F Grid Repl	201611	14,167.82	6	0.00148333	126.09	252.19
380200-Services - Plastic & Copper	800179	Webb City Phase 1F Grid Repl	201611	10.10	6	0.00223333	0.14	0.27
376300-Mains - Plastic	800179	Webb City Phase 1F Grid Repl	201612	(4,392.83)	5	0.00148333	(32.58)	(78.19)
380200-Services - Plastic & Copper	800179	Webb City Phase 1F Grid Repl	201612	(3.14)	5	0.00223333	(0.04)	(0.08)
376300-Mains - Plastic	800194	Repl w/ 865F 4P 26th & Jackson	201612	(5,098.35)	5	0.00148333	(37.81)	(90.75)
376300-Mains - Plastic	800235	CP15-042 and Bare Steel 4" Main Rep	201611	(1,204.58)	6	0.00148333	(10.72)	(21.44)
376300-Mains - Plastic	800235	CP15-042 and Bare Steel 4" Main Rep	201612	647.78	5	0.00148333	4.80	11.53
376300-Mains - Plastic	800386	Repl w/ 1533F 2P Hwy 37 & Walnut	201612	5,113.98	5	0.00148333	37.93	91.03
380200-Services - Plastic & Copper	800386	Repl w/ 1533F 2P Hwy 37 & Walnut	201612	(5,113.98)	5	0.00223333	(57.11)	(137.05)
376300-Mains - Plastic	800388	Repl w/ 800F 2P Carnation Dr	201612	(1,189.27)	5	0.00148333	(8.82)	(21.17)
380200-Services - Plastic & Copper	800388	Repl w/ 800F 2P Carnation Dr	201612	1,189.27	5	0.00223333	13.28	31.87
376300-Mains - Plastic	800391	Repl w/ 88F 2P 2nd & Broadway	201611	209.52	6	0.00148333	1.86	3.73
376300-Mains - Plastic	800391	Repl w/ 88F 2P 2nd & Broadway	201612	4.74	5	0.00148333	0.04	0.08
376300-Mains - Plastic	800403	Repl w/ 740F 2P 3rd and McKinley	201611	3,919.19	6	0.00148333	34.88	69.76
376300-Mains - Plastic	800403	Repl w/ 740F 2P 3rd and McKinley	201612	(3,883.56)	5	0.00148333	(28.80)	(69.13)
376100-Mains - Steel	800408	Repl w 455F 2P Kansas Ave & 18th	201612	810.66	5	0.00148333	6.01	14.43
376300-Mains - Plastic	800408	Repl w 455F 2P Kansas Ave & 18th	201612	18,841.66	5	0.00148333	139.74	335.38
380200-Services - Plastic & Copper	800408	Repl w 455F 2P Kansas Ave & 18th	201612	130.94	5	0.00223333	1.46	3.51
376300-Mains - Plastic	800714	Repl w 2748F 2-4P Monett Phase 1B	201612	136,272.18	5	0.00148333	1,010.68	2,425.64
380200-Services - Plastic & Copper	800714	Repl w 2748F 2-4P Monett Phase 1B	201612	8,198.89	5	0.00223333	91.55	219.73
376300-Mains - Plastic	800817	Repl w 194F 2P 5th & St. Louis	201612	23,096.26	5	0.00148333	171.30	411.11
380200-Services - Plastic & Copper	800817	Repl w 194F 2P 5th & St. Louis	201612	321.33	5	0.00223333	3.59	8.61
				1,110,206.83			9,407.73	21,624.25
376300-Mains - Plastic	007396	12th St and Geneva Ave PBS Replacem	201612	(2,869.94)	5	0.00148333	(21.29)	(51.08)
376300-Mains - Plastic	008133	8th St and Virginia Ave 3in PBS Mai	201611	(1,904.41)	6	0.00148333	(16.95)	(33.90)

Missouri Gas Energy - MGE
ISRS Work Order Additions November & December 2016 with January & February 2017 Estimates

Utility Account	New Work Order No.	Work Order Description	Month	Addition Amount	Months	Depr Mo. Rate	Accum. Depr	Depr Expense
376300-Mains - Plastic	008133	8th St and Virginia Ave 3in PBS Mai	201612	1,530.72	5	0.00148333	11.35	27.25
376100-Mains - Steel	009248	Grandview Repl Phase 4	201611	114,794.17	6	0.00148333	1,021.67	2,043.33
376300-Mains - Plastic	009248	Grandview Repl Phase 4	201611	(114,794.17)	6	0.00148333	(1,021.67)	(2,043.33)
				(3,243.63)			(26.89)	(57.73)
376300-Mains - Plastic	007500	PCS Main Replacement	201611	(1,155.70)	6	0.00148333	(10.29)	(20.57)
376300-Mains - Plastic	007500	PCS Main Replacement	201612	532.00	5	0.00148333	3.95	9.47
				(623.70)			(6.34)	(11.10)
380200-Services - Plastic & Copper	003816	BWO SERVICE LINE LEAK RESPONSIVE	201611	5,755.05	6	0.00223333	77.12	154.24
380200-Services - Plastic & Copper	003816	BWO SERVICE LINE LEAK RESPONSIVE	201612	8,530.15	5	0.00223333	95.25	228.61
380200-Services - Plastic & Copper	004609	BWO MATERIAL SERV LINE REPL COMP	201611	365.01	6	0.00223333	4.89	9.78
380200-Services - Plastic & Copper	004609	BWO MATERIAL SERV LINE REPL COMP	201612	9.72	5	0.00223333	0.11	0.26
380200-Services - Plastic & Copper	004279	BWO SERVICE LINE MATERIAL CONTRACTO	201611	(11.35)	6	0.00223333	(0.15)	(0.30)
380200-Services - Plastic & Copper	004279	BWO SERVICE LINE MATERIAL CONTRACTO	201612	8.76	5	0.00223333	0.10	0.23
380200-Services - Plastic & Copper	004287	BWO MATERIAL SERV LINE REPL CONT	201611	126,706.33	6	0.00223333	1,697.86	3,395.72
380200-Services - Plastic & Copper	004287	BWO MATERIAL SERV LINE REPL CONT	201612	64,180.19	5	0.00223333	716.68	1,720.03
380200-Services - Plastic & Copper	004600	BWO SERVICE LINE REPL MODIFIED BLOC	201611	(35.36)	6	0.00223333	(0.47)	(0.95)
380200-Services - Plastic & Copper	004600	BWO SERVICE LINE REPL MODIFIED BLOC	201612	27.26	5	0.00223333	0.30	0.73
				205,535.76			2,591.69	5,508.35
376100-Mains - Steel	008790	4in PCS Relocation	201611	32,355.61	6	0.00148333	287.96	575.93
376100-Mains - Steel	008891	Inlet and Outlet Piping to DRS 763	201612	3,252.36	5	0.00148333	24.12	57.89
376300-Mains - Plastic	008891	Inlet and Outlet Piping to DRS 763	201612	1,830.85	5	0.00148333	13.58	32.59
378000-Meas & Reg Station Equipment	008891	Inlet and Outlet Piping to DRS 763	201612	(5,083.21)	5	0.00238333	(60.57)	(145.38)
376300-Mains - Plastic	800144	Hwy 71 and Gregory Grid Repl Phd	201612	3,147.03	5	0.00148333	23.34	56.02
380200-Services - Plastic & Copper	800144	Hwy 71 and Gregory Grid Repl Phd	201612	656.45	5	0.00223333	7.33	17.59
376300-Mains - Plastic	800385	Rel w/ 2320F 2P 22nd&23rd St-Wabash	201611	(2,766.62)	6	0.00148333	(24.62)	(49.25)
380200-Services - Plastic & Copper	800385	Rel w/ 2320F 2P 22nd&23rd St-Wabash	201611	(447.88)	6	0.00223333	(6.00)	(12.00)
376300-Mains - Plastic	800385	Rel w/ 2320F 2P 22nd&23rd St-Wabash	201612	1,831.60	5	0.00148333	13.58	32.60
380200-Services - Plastic & Copper	800385	Rel w/ 2320F 2P 22nd&23rd St-Wabash	201612	296.51	5	0.00223333	3.31	7.95
376300-Mains - Plastic	800416	N Amity Ave main relocation	201612	965.00	5	0.00148333	7.16	17.18
376100-Mains - Steel	800567	Rel w/ 450F 12S Illinois Ave	201611	1,951.19	6	0.00148333	17.37	34.73
376100-Mains - Steel	800567	Rel w/ 450F 12S Illinois Ave	201612	37.68	5	0.00148333	0.28	0.67
376300-Mains - Plastic	800030	Relocate 2" & 3" Steel - Route 7 fr	201611	194.49	6	0.00148333	1.73	3.46
376300-Mains - Plastic	800030	Relocate 2" & 3" Steel - Route 7 fr	201612	5.09	5	0.00148333	0.04	0.09
376300-Mains - Plastic	800032	Relocate 3in & 4i Steel Rt 7 fro	201611	275.16	6	0.00148333	2.45	4.90
380200-Services - Plastic & Copper	800032	Relocate 3in & 4i Steel Rt 7 fro	201611	5.43	6	0.00223333	0.07	0.15
376300-Mains - Plastic	800032	Relocate 3in & 4i Steel Rt 7 fro	201612	10.09	5	0.00148333	0.07	0.18
380200-Services - Plastic & Copper	800032	Relocate 3in & 4i Steel Rt 7 fro	201612	0.20	5	0.00223333	-	0.01
376300-Mains - Plastic	800189	Rel w/ 2515F 4P Tudor Rd Ph2	201612	108,946.60	5	0.00148333	808.02	1,939.25
380200-Services - Plastic & Copper	800189	Rel w/ 2515F 4P Tudor Rd Ph2	201612	1,797.12	5	0.00223333	20.07	48.16
376300-Mains - Plastic	800397	Rel w/ 2064F 2-6P 18th & Evanston	201611	346.27	6	0.00148333	3.08	6.16
376300-Mains - Plastic	800397	Rel w/ 2064F 2-6P 18th & Evanston	201612	12,000.25	5	0.00148333	89.00	213.60
376100-Mains - Steel	800574	Rel w/ 160F 8S Feeder Main	201611	16,663.86	6	0.00148333	148.31	296.62
376300-Mains - Plastic	800938	Reloc 625F 6P Hook Rd & Arther Dr	201612	32,272.07	5	0.00148333	239.35	574.44
376100-Mains - Steel	008969	Target Marlborough East phase 1	201612	10.89	5	0.00148333	0.08	0.19

Missouri Gas Energy - MGE
ISRS Work Order Additions November & December 2016 with January & February 2017 Estimates

Utility Account	New Work Order No.	Work Order Description	Month	Addition Amount	Months	Depr Mo. Rate	Accum. Depr	Depr Expense
376300-Mains - Plastic	008969	Target Marlborough East phase 1	201612	283.40	5	0.00148333	2.10	5.04
376300-Mains - Plastic	009276	Lincoln to Highview along Zora	201611	1,969.48	6	0.00148333	17.53	35.06
376300-Mains - Plastic	009276	Lincoln to Highview along Zora	201612	12.85	5	0.00148333	0.10	0.23
376100-Mains - Steel	800023	13th and Maiden Lane Relocation	201611	158.80	6	0.00148333	1.41	2.83
376300-Mains - Plastic	800023	13th and Maiden Lane Relocation	201611	3,720.99	6	0.00148333	33.12	66.23
376100-Mains - Steel	800023	13th and Maiden Lane Relocation	201612	(14.04)	5	0.00148333	(0.10)	(0.25)
376300-Mains - Plastic	800023	13th and Maiden Lane Relocation	201612	(329.01)	5	0.00148333	(2.44)	(5.86)
376300-Mains - Plastic	800377	Rel w/ 568F 2S Rt 14 & Hwy 160	201611	20,105.49	6	0.00148333	178.94	357.88
376300-Mains - Plastic	800377	Rel w/ 568F 2S Rt 14 & Hwy 160	201612	390.75	5	0.00148333	2.90	6.96
376300-Mains - Plastic	800621	Rel w/ 1997F 4P Bankers Addition	201611	1,292.35	6	0.00148333	11.50	23.00
376300-Mains - Plastic	800621	Rel w/ 1997F 4P Bankers Addition	201612	24.09	5	0.00148333	0.18	0.43
376300-Mains - Plastic	800707	Reloc 800F 4P Garden Grove	201611	3,023.80	6	0.00148333	26.91	53.82
376300-Mains - Plastic	800707	Reloc 800F 4P Garden Grove	201612	3,091.39	5	0.00148333	22.93	55.03
				244,284.43			1,914.19	4,314.13
		Blanket Work Order Estimates	201701	774,474.25	4	0.00223333	6,918.63	20,755.88
		Blanket Work Order Estimates	201702	774,474.25	3	0.00223333	5,188.97	20,755.88
		Work order Estimates	201701	837,185.77	4	0.00148333	4,967.29	14,901.87
		Work order Estimates	201702	15,057,552.94	3	0.00148333	67,005.96	268,023.84
				17,443,687.21			84,080.85	324,437.47
		Total Additions		20,474,925.60			114,880.21	392,302.85

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
003969	ENCAPSULATION CAST IRON JOINTS	BWO-Encapsulation Cast Iron Joints - Encapsulation of Cast Iron Joints	BWO CI Joint Encapsulation ISRS (N)	393.1009 (5) (a) (b)	A,B,C,I
003969	BWO-Encapsulation Cast Iron Joints	BWO-Encapsulation Cast Iron Joints - Encapsulation of Cast Iron Joints	BWO CI Joint Encapsulation ISRS (N)	393.1009 (5) (a) (b)	A,B,C,I
004152	BWO-Repl Svc w/ Pls (North Reg)	BWO-Replace Service w/ Plastic (North Region) - Project Type:B	BWO Service Line Repl - ISRS (N)	393.1009 (5) (a) (b)	A,B,C,I
004152	BWO-Repl Svc w/ Pls (North Reg)	BWO-Replace Service w/ Plastic (North Region) - Project Type:B	BWO Service Line Repl - ISRS (N)	393.1009 (5) (a) (b)	A,B,C,I
004417	BWO-REPLACE SERVICE	BWO-REPLACE SERVICE - Project Type:B	BWO Service Line Repl - ISRS (N)	393.1009 (5) (a) (b)	A,B,C,I
009217	BWO-Replace Svc w/ Steel (North)	BWO- Replace Service with Steel (North Region) - Replace service lines with steel - North Region	BWO Service Line Repl - ISRS (N)	393.1009 (5) (a) (b)	A,B,C,I
004153	BWO-Repl Svc w/ Pls (South Reg)	BWO-Replace Service w/ Plastic (South Region) - Project Type:B	BWO Service Line Repl - ISRS (S)	393.1009 (5) (a) (b)	A,B,C,I
004153	BWO-Repl Svc w/ Pls (South Reg)	BWO-Replace Service w/ Plastic (South Region) - Project Type:B	BWO Service Line Repl - ISRS (S)	393.1009 (5) (a) (b)	A,B,C,I
009218	BWO-Replace Svc w/ Steel (South)	BWO-Replace Service with Steel (South Region) - BWO-Replace Service with Steel (South Region)	BWO Service Line Repl - ISRS (S)	393.1009 (5) (a) (b)	A,B,C,I
009218	BWO-Replace Svc w/ Steel (South)	BWO-Replace Service with Steel (South Region) - BWO-Replace Service with Steel (South Region)	BWO Service Line Repl - ISRS (S)	393.1009 (5) (a) (b)	A,B,C,I
004501	BWO-Repl Svc w/ Pls (SW Reg)	BWO-Replace Service w/ Plastic (Southwest Region) - Project Type:B	BWO Service Line Repl - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C,I
004501	BWO-Repl Svc w/ Pls (SW Reg)	BWO-Replace Service w/ Plastic (Southwest Region) - Project Type:B	BWO Service Line Repl - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C,I
009219	BWO-Replace Svc w/ Steel (Southwest)	BWO-Replace Svc w/ Steel (Southwest) - BWO-Replace Svc w/ Steel (Southwest)	BWO Service Line Repl - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C,I
007052	BWO Main Installed Mtce-North Reg	BWO Main Installed Mtce North Region - For short replacements of main done on emergency basis - North Region	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
007052	BWO Main Installed Mtce-North Reg	BWO Main Installed Mtce North Region - For short replacements of main done on emergency basis - North Region	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800031	AOR - 2021 Elmwood	Install 200ft of 6in PE and abandon 200ft of 8in cast iron at 2021 Elmwood due to Angle of Repose. Due 11/13/2015 - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800031	AOR - 2021 Elmwood	Install 200ft of 6in PE and abandon 200ft of 8in cast iron at 2021 Elmwood due to Angle of Repose. Due 11/13/2015 - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800031	AOR - 2021 Elmwood	Install 200ft of 6in PE and abandon 200ft of 8in cast iron at 2021 Elmwood due to Angle of Repose. Due 11/13/2015 - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800039	Pickett Rd and 29th St - Main Repla	Install 6439' of 2" PE and 3027' of 4" PE. Abandon 230' of 2" PL, 220' of 2" ST, 28' of 4" PL, 4024' of 4" STL, 4944' of 6" CI, 320' of 6" STL. Existing PE main in the project area will be uprated. - FY16 Main replacement program for St. Joseph, MO	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800039	Pickett Rd and 29th St - Main Repla	Install 6439' of 2" PE and 3027' of 4" PE. Abandon 230' of 2" PL, 220' of 2" ST, 28' of 4" PL, 4024' of 4" STL, 4944' of 6" CI, 320' of 6" STL. Existing PE main in the project area will be uprated. - FY16 Main replacement program for St. Joseph, MO	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800039	Pickett Rd and 29th St - Main Repla	Install 6439' of 2" PE and 3027' of 4" PE. Abandon 230' of 2" PL, 220' of 2" ST, 28' of 4" PL, 4024' of 4" STL, 4944' of 6" CI, 320' of 6" STL. Existing PE main in the project area will be uprated. - FY16 Main replacement program for St. Joseph, MO	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800039	Pickett Rd and 29th St - Main Repla	Install 6439' of 2" PE and 3027' of 4" PE. Abandon 230' of 2" PL, 220' of 2" ST, 28' of 4" PL, 4024' of 4" STL, 4944' of 6" CI, 320' of 6" STL. Existing PE main in the project area will be uprated. - FY16 Main replacement program for St. Joseph, MO	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800039	Pickett Rd and 29th St - Main Repla	Install 6439' of 2" PE and 3027' of 4" PE. Abandon 230' of 2" PL, 220' of 2" ST, 28' of 4" PL, 4024' of 4" STL, 4944' of 6" CI, 320' of 6" STL. Existing PE main in the project area will be uprated. - FY16 Main replacement program for St. Joseph, MO	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800039	Pickett Rd and 29th St - Main Repla	Install 6439' of 2" PE and 3027' of 4" PE. Abandon 230' of 2" PL, 220' of 2" ST, 28' of 4" PL, 4024' of 4" STL, 4944' of 6" CI, 320' of 6" STL. Existing PE main in the project area will be uprated. - FY16 Main replacement program for St. Joseph, MO	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800041	Liberty Header - Phase 4 IU1	Install 1450 ft of 4 in and 355 ft of 2 in PL IP main on E Mill St and W Liberty Dr. Abandon 58 ft of 4 in PL, 255 ft of 2 in Steel, 9 ft of 4 in Steel, 760 ft of 5 in Steel, and 609 ft of 6 in Steel main at the same location. - Total Service Estimate: 20 Service Tie-Over. Main is being installed as part of the FY 2016 Bare Steel Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800041	Liberty Header - Phase 4 IUI	Install 1450 ft of 4 in and 355 ft of 2 in PL IP main on E Mill St and W Liberty Dr. Abandon 58 ft of 4 in PL, 255 ft of 2 in Steel, 9 ft of 4 in Steel, 760 ft of 5 in Steel, and 609 ft of 6 in Steel main at the same location. - Total Service Estimate: 20 Service Tie-Over. Main is being installed as part of the FY 2016 Bare Steel Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800045	Liberty - Grid Phase A	Install 5130' of 2" PL IP Main - Liberty Grid Ph A . Abandon 595' of 3" and 1209' of 4" PBS, 2339' of 4" and 90' of 6" PCS (Majority installed Prior to 1966),260' of 1-1/4" and 100' of 2" PL LP main. Uprate 2866' of 2" PL LP main to IP. - Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800045	Liberty - Grid Phase A	Install 5130' of 2" PL IP Main - Liberty Grid Ph A . Abandon 595' of 3" and 1209' of 4" PBS, 2339' of 4" and 90' of 6" PCS (Majority installed Prior to 1966),260' of 1-1/4" and 100' of 2" PL LP main. Uprate 2866' of 2" PL LP main to IP. - Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800045	Liberty - Grid Phase A	Install 5130' of 2" PL IP Main - Liberty Grid Ph A . Abandon 595' of 3" and 1209' of 4" PBS, 2339' of 4" and 90' of 6" PCS (Majority installed Prior to 1966),260' of 1-1/4" and 100' of 2" PL LP main. Uprate 2866' of 2" PL LP main to IP. - Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800045	Liberty - Grid Phase A	Install 5130' of 2" PL IP Main - Liberty Grid Ph A . Abandon 595' of 3" and 1209' of 4" PBS, 2339' of 4" and 90' of 6" PCS (Majority installed Prior to 1966),260' of 1-1/4" and 100' of 2" PL LP main. Uprate 2866' of 2" PL LP main to IP. - Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800046	Liberty - Grid Phase B	Install 2660 ft of 2 in PL IP main - Liberty Grid Ph B. Abandon 118 ft of 4 in PL, 1870 ft of 3 in PBS,1377 ft of 4 in PBS, and 961 ft of 4 in PCS (Majority installed Prior to 1966) LP main. - Uprate ~290' of 2" PL LP, ~620' of 3" PL LP, and ~990' of 4" PL LP main to IP on N Missouri St, McCarty St, and N Water St. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800046	Liberty - Grid Phase B	Install 2660 ft of 2 in PL IP main - Liberty Grid Ph B. Abandon 118 ft of 4 in PL, 1870 ft of 3 in PBS,1377 ft of 4 in PBS, and 961 ft of 4 in PCS (Majority installed Prior to 1966) LP main. - Uprate ~290' of 2" PL LP, ~620' of 3" PL LP, and ~990' of 4" PL LP main to IP on N Missouri St, McCarty St, and N Water St. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800046	Liberty - Grid Phase B	Install 2660 ft of 2 in PL IP main - Liberty Grid Ph B. Abandon 118 ft of 4 in PL, 1870 ft of 3 in PBS,1377 ft of 4 in PBS, and 961 ft of 4 in PCS (Majority installed Prior to 1966) LP main. - Uprate ~290' of 2" PL LP, ~620' of 3" PL LP, and ~990' of 4" PL LP main to IP on N Missouri St, McCarty St, and N Water St. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800046	Liberty - Grid Phase B	Install 2660 ft of 2 in PL IP main - Liberty Grid Ph B. Abandon 118 ft of 4 in PL, 1870 ft of 3 in PBS,1377 ft of 4 in PBS, and 961 ft of 4 in PCS (Majority installed Prior to 1966) LP main. - Uprate ~290' of 2" PL LP, ~620' of 3" PL LP, and ~990' of 4" PL LP main to IP on N Missouri St, McCarty St, and N Water St. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800078	Liberty Header - Phase 1	Install ~5685 feet of 4 inch PLS. IP Main on Corbin St, N Grover St, Nwater St, Doniphan St, N Lightburne St, Miller St, and Jewel St. Total Service Estimate: 41 Service Tie-Over. Replacement Program. - Main is being installed as part of the FY 2016 Bare Steel. Work order estimates also contain 100 ft 2in PL.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800078	Liberty Header - Phase 1	Install ~5685 feet of 4 inch PLS. IP Main on Corbin St, N Grover St, Nwater St, Doniphan St, N Lightburne St, Miller St, and Jewel St. Total Service Estimate: 41 Service Tie-Over. Replacement Program. - Main is being installed as part of the FY 2016 Bare Steel. Work order estimates also contain 100 ft 2in PL.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800135	St. Joe's South Phase 1A - MGE	Inst 236 Ft of 4 in PL LP, 617 Ft of 2 in PL LP and 1478 Ft of 6 in PL IP main for St Joseph Grid Phase 1A. Abandon 157 Ft of 2 PL LP, 816 Ft of 2 in PBS LP, 498 Ft of 2 in PCS LP, 170 Ft of 4 in PBS LP, and 1402 Ft of 4 in PBS IP Main - This main is being replaced as part of the FY 2016 Bare Steel Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE

ISRS - New Work Orders Included in November 2016 and December 2016 Additions

Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800135	St. Joe's South Phase 1A - MGE	Inst 236 Ft of 4 in PL LP, 617 Ft of 2 in PL LP and 1478 Ft of 6 in PL IP main for St Joseph Grid Phase 1A. Abandon 157 Ft of 2 PL LP, 816 Ft of 2 in PBS LP, 498 Ft of 2 in PCS LP, 170 Ft of 4 in PBS LP, and 1402 Ft of 4 in PBS IP Main - This main is being replaced as part of the FY 2016 Bare Steel Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800136	FY16 Strat Grid-St. Joe's South 1B	Install 1403 Ft of 2 in PL IP main for St Joe Phase 1B. Abandon 35 Ft of 4 in PL and 1603 of Ft 4 in ST LP main. Uprate 338 Ft of 2 in and 497 Ft of 4 in PL LP main to IP.FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800136	FY16 Strat Grid-St. Joe's South 1B	Install 1403 Ft of 2 in PL IP main for St Joe Phase 1B. Abandon 35 Ft of 4 in PL and 1603 of Ft 4 in ST LP main. Uprate 338 Ft of 2 in and 497 Ft of 4 in PL LP main to IP.FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800136	FY16 Strat Grid-St. Joe's South 1B	Install 1403 Ft of 2 in PL IP main for St Joe Phase 1B. Abandon 35 Ft of 4 in PL and 1603 of Ft 4 in ST LP main. Uprate 338 Ft of 2 in and 497 Ft of 4 in PL LP main to IP.FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800136	FY16 Strat Grid-St. Joe's South 1B	Install 1403 Ft of 2 in PL IP main for St Joe Phase 1B. Abandon 35 Ft of 4 in PL and 1603 of Ft 4 in ST LP main. Uprate 338 Ft of 2 in and 497 Ft of 4 in PL LP main to IP.FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800137	St. Joe's South Phase 1C - MGE	Install 3545 Ft of 2 in and 440 Ft of 4 in PL IP main for St. Joe's South Phase 1C. Abandon 3124 Ft of 2 in PBS, 1554 Ft of 4 in PBS, and 127 Ft of 4 in PCS (Poorly coated) LP main. - Uprate ~621' of 2" PL LP and ~2027' of 4" PL LP to IP on Lookout St, Belding St, 1st St, and Yale St. Total Service Estimate: 55 Tie-Overes, 27 Uprates, 2 Replacements, and 2 Abandonments. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800137	St. Joe's South Phase 1C - MGE	Install 3545 Ft of 2 in and 440 Ft of 4 in PL IP main for St. Joe's South Phase 1C. Abandon 3124 Ft of 2 in PBS, 1554 Ft of 4 in PBS, and 127 Ft of 4 in PCS (Poorly coated) LP main. - Uprate ~621' of 2" PL LP and ~2027' of 4" PL LP to IP on Lookout St, Belding St, 1st St, and Yale St. Total Service Estimate: 55 Tie-Overes, 27 Uprates, 2 Replacements, and 2 Abandonments. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800137	St. Joe's South Phase 1C - MGE	Install 3545 Ft of 2 in and 440 Ft of 4 in PL IP main for St. Joe's South Phase 1C. Abandon 3124 Ft of 2 in PBS, 1554 Ft of 4 in PBS, and 127 Ft of 4 in PCS (Poorly coated) LP main. - Uprate ~621' of 2" PL LP and ~2027' of 4" PL LP to IP on Lookout St, Belding St, 1st St, and Yale St. Total Service Estimate: 55 Tie-Overes, 27 Uprates, 2 Replacements, and 2 Abandonments. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800137	St. Joe's South Phase 1C - MGE	Install 3545 Ft of 2 in and 440 Ft of 4 in PL IP main for St. Joe's South Phase 1C. Abandon 3124 Ft of 2 in PBS, 1554 Ft of 4 in PBS, and 127 Ft of 4 in PCS (Poorly coated) LP main. - Uprate ~621' of 2" PL LP and ~2027' of 4" PL LP to IP on Lookout St, Belding St, 1st St, and Yale St. Total Service Estimate: 55 Tie-Overes, 27 Uprates, 2 Replacements, and 2 Abandonments. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800138	St. Joe's South Phase 1D - MGE	Install 1895 Ft of 2 in PL IP main for St Joseph Grid Phase 1C. Abandon 90 Ft of 2 in PBS IP, 1842 Ft of 2 in PBS LP, 42 Ft of 2 in PCS LP, and 36 Ft of 2 in PL LP main. - Uprate ~225' of 2" PL LP main to IP on Vassar St. Total Service Estimate: 22 Service Tie-Overes, 1 Service Replacement, 1 Service Abandonment, and 2 Service Upgrades. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800138	St. Joe's South Phase 1D - MGE	Install 1895 Ft of 2 in PL IP main for St Joseph Grid Phase 1C. Abandon 90 Ft of 2 in PBS IP, 1842 Ft of 2 in PBS LP, 42 Ft of 2 in PCS LP, and 36 Ft of 2 in PL LP main. - Uprate ~225' of 2" PL LP main to IP on Vassar St. Total Service Estimate: 22 Service Tie-Overes, 1 Service Replacement, 1 Service Abandonment, and 2 Service Upgrades. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800138	St. Joe's South Phase 1D - MGE	Install 1895 Ft of 2 in PL IP main for St Joseph Grid Phase 1C. Abandon 90 Ft of 2 in PBS IP, 1842 Ft of 2 in PBS LP, 42 Ft of 2 in PCS LP, and 36 Ft of 2 in PL LP main. - Uprate ~225' of 2" PL LP main to IP on Vassar St. Total Service Estimate: 22 Service Tie-Over, 1 Service Replacement, 1 Service Abandonment, and 2 Service Upgrades. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800138	St. Joe's South Phase 1D - MGE	Install 1895 Ft of 2 in PL IP main for St Joseph Grid Phase 1C. Abandon 90 Ft of 2 in PBS IP, 1842 Ft of 2 in PBS LP, 42 Ft of 2 in PCS LP, and 36 Ft of 2 in PL LP main. - Uprate ~225' of 2" PL LP main to IP on Vassar St. Total Service Estimate: 22 Service Tie-Over, 1 Service Replacement, 1 Service Abandonment, and 2 Service Upgrades. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800142	Hwy 71 and Gregory Grid Replace PhB	Install 3082' of 2" PE, 1079' of 4" PE - Hwy 71 & Gregory Grid - B. Abandon 1731' of 4" CI, 2991' of 6" CI, 6' of 4" Coated STL (less than 20% of footage). Strategic Cast Iron Replacement. - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800142	Hwy 71 and Gregory Grid Replace PhB	Install 3082' of 2" PE, 1079' of 4" PE - Hwy 71 & Gregory Grid - B. Abandon 1731' of 4" CI, 2991' of 6" CI, 6' of 4" Coated STL (less than 20% of footage). Strategic Cast Iron Replacement. - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800142	Hwy 71 and Gregory Grid Replace PhB	Install 3082' of 2" PE, 1079' of 4" PE - Hwy 71 & Gregory Grid - B. Abandon 1731' of 4" CI, 2991' of 6" CI, 6' of 4" Coated STL (less than 20% of footage). Strategic Cast Iron Replacement. - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800142	Hwy 71 and Gregory Grid Replace PhB	Install 3082' of 2" PE, 1079' of 4" PE - Hwy 71 & Gregory Grid - B. Abandon 1731' of 4" CI, 2991' of 6" CI, 6' of 4" Coated STL (less than 20% of footage). Strategic Cast Iron Replacement. - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800143	Hwy 71 & Gregory Grid Replace PhC	Install 2695' of 2" PE and 1292' of 4" PE - Hwy 71 & Gregory Ph C. Abandon 2905' of 4" CI, 16' of 4" PE, 86' of 4" CS (Less than 20% of abandonment), 1054' of 6" CI and 5' of 6" PE. - This main is being replaced as part of the FY16 Strategic Cast Iron Replacement Program	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800143	Hwy 71 & Gregory Grid Replace PhC	Install 2695' of 2" PE and 1292' of 4" PE - Hwy 71 & Gregory Ph C. Abandon 2905' of 4" CI, 16' of 4" PE, 86' of 4" CS (Less than 20% of abandonment), 1054' of 6" CI and 5' of 6" PE. - This main is being replaced as part of the FY16 Strategic Cast Iron Replacement Program	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800143	Hwy 71 & Gregory Grid Replace PhC	Install 2695' of 2" PE and 1292' of 4" PE - Hwy 71 & Gregory Ph C. Abandon 2905' of 4" CI, 16' of 4" PE, 86' of 4" CS (Less than 20% of abandonment), 1054' of 6" CI and 5' of 6" PE. - This main is being replaced as part of the FY16 Strategic Cast Iron Replacement Program	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800143	Hwy 71 & Gregory Grid Replace PhC	Install 2695' of 2" PE and 1292' of 4" PE - Hwy 71 & Gregory Ph C. Abandon 2905' of 4" CI, 16' of 4" PE, 86' of 4" CS (Less than 20% of abandonment), 1054' of 6" CI and 5' of 6" PE. - This main is being replaced as part of the FY16 Strategic Cast Iron Replacement Program	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800145	Repl w 4271F 4P- 71 & Gregory Ph E	Install 753 ft of 4in PL IP main and 4,271 ft of 2in PL IP main - Hwy 71 & Gregory Ph E. Abandon 494 ft 2in PL LP, 557 ft 2in ST LP main, 993 ft of 3" ST LP main, 482 ft of 4in CI LP main, 3109 ft of 6in CI LP main, & 135 ft of 8in CI LP main. - This main is being replaced as part of FY16 Cast Iron Replacement Program. Strategic cast iron replacement.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800145	Repl w 4271F 4P- 71 & Gregory Ph E	Install 753 ft of 4in PL IP main and 4,271 ft of 2in PL IP main - Hwy 71 & Gregory Ph E. Abandon 494 ft 2in PL LP, 557 ft 2in ST LP main, 993 ft of 3" ST LP main, 482 ft of 4in CI LP main, 3109 ft of 6in CI LP main, & 135 ft of 8in CI LP main. - This main is being replaced as part of FY16 Cast Iron Replacement Program. Strategic cast iron replacement.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800145	Repl w 4271F 4P- 71 & Gregory Ph E	Install 753 ft of 4in PL IP main and 4,271 ft of 2in PL IP main - Hwy 71 & Gregory Ph E. Abandon 494 ft 2in PL LP, 557 ft 2in ST LP main, 993 ft of 3" ST LP main, 482 ft of 4in CI LP main, 3109 ft of 6in CI LP main, & 135 ft of 8in CI LP main. - This main is being replaced as part of FY16 Cast Iron Replacement Program. Strategic cast iron replacement.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800145	Repl w 4271F 4P- 71 & Gregory Ph E	Install 753 ft of 4in PL IP main and 4,271 ft of 2in PL IP main - Hwy 71 & Gregory Ph E. Abandon 494 ft 2in PL LP, 557 ft 2in ST LP main, 993 ft of 3" ST LP main, 482 ft of 4in CI LP main, 3109 ft of 6in CI LP main, & 135 ft of 8in CI LP main. - This main is being replaced as part of FY16 Cast Iron Replacement Program. Strategic cast iron replacement.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800145	Repl w 4271F 4P- 71 & Gregory Ph E	Install 753 ft of 4in PL IP main and 4,271 ft of 2in PL IP main - Hwy 71 & Gregory Ph E. Abandon 494 ft 2in PL LP, 557 ft 2in ST LP main, 993 ft of 3" ST LP main, 482 ft of 4in CI LP main, 3109 ft of 6in CI LP main, & 135 ft of 8in CI LP main. - This main is being replaced as part of FY16 Cast Iron Replacement Program. Strategic cast iron replacement.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800145	Repl w 4271F 4P- 71 & Gregory Ph E	Install 753 ft of 4in PL IP main and 4,271 ft of 2in PL IP main - Hwy 71 & Gregory Ph E. Abandon 494 ft 2in PL LP, 557 ft 2in ST LP main, 993 ft of 3" ST LP main, 482 ft of 4in CI LP main, 3109 ft of 6in CI LP main, & 135 ft of 8in CI LP main. - This main is being replaced as part of FY16 Cast Iron Replacement Program. Strategic cast iron replacement.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800146	Repl w/ 4506F 2P Hwy71 & Gregory-F	Install 4506 ft of 2 in IP PE main and 902 ft of 4 in IP PE main for Hwy 71 & Gregory Ph F. Abandon 303 ft of 12 in CI LP main, 647 ft of 2 in CI LP main, 592 ft if 4 in CI LP main, 2202 ft of 6 in CI LP main, 865 ft of 8 in CI LP main. - Main is being replaced as part of the FY16 Strategic Cast Iron Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800146	Repl w/ 4506F 2P Hwy71 & Gregory-F	Install 4506 ft of 2 in IP PE main and 902 ft of 4 in IP PE main for Hwy 71 & Gregory Ph F. Abandon 303 ft of 12 in CI LP main, 647 ft of 2 in CI LP main, 592 ft if 4 in CI LP main, 2202 ft of 6 in CI LP main, 865 ft of 8 in CI LP main. - Main is being replaced as part of the FY16 Strategic Cast Iron Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800146	Repl w/ 4506F 2P Hwy71 & Gregory-F	Install 4506 ft of 2 in IP PE main and 902 ft of 4 in IP PE main for Hwy 71 & Gregory Ph F. Abandon 303 ft of 12 in CI LP main, 647 ft of 2 in CI LP main, 592 ft if 4 in CI LP main, 2202 ft of 6 in CI LP main, 865 ft of 8 in CI LP main. - Main is being replaced as part of the FY16 Strategic Cast Iron Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800146	Repl w/ 4506F 2P Hwy71 & Gregory-F	Install 4506 ft of 2 in IP PE main and 902 ft of 4 in IP PE main for Hwy 71 & Gregory Ph F. Abandon 303 ft of 12 in CI LP main, 647 ft of 2 in CI LP main, 592 ft if 4 in CI LP main, 2202 ft of 6 in CI LP main, 865 ft of 8 in CI LP main. - Main is being replaced as part of the FY16 Strategic Cast Iron Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800146	Repl w/ 4506F 2P Hwy71 & Gregory-F	Install 4506 ft of 2 in IP PE main and 902 ft of 4 in IP PE main for Hwy 71 & Gregory Ph F. Abandon 303 ft of 12 in CI LP main, 647 ft of 2 in CI LP main, 592 ft if 4 in CI LP main, 2202 ft of 6 in CI LP main, 865 ft of 8 in CI LP main. - Main is being replaced as part of the FY16 Strategic Cast Iron Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800146	Repl w/ 4506F 2P Hwy71 & Gregory-F	Install 4506 ft of 2 in IP PE main and 902 ft of 4 in IP PE main for Hwy 71 & Gregory Ph F. Abandon 303 ft of 12 in CI LP main, 647 ft of 2 in CI LP main, 592 ft if 4 in CI LP main, 2202 ft of 6 in CI LP main, 865 ft of 8 in CI LP main. - Main is being replaced as part of the FY16 Strategic Cast Iron Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800196	AOR - 2939 Brooklyn Ave	Replace 45' of 6" CI with 50' of 6" PE due to AOR. Due 11/28 - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800228	31st and College Replacement - IUI	Install 449' of 4" PE and 9' of 6" PE. Abandon 439' of 6" CI - 31st St & College Ave. This replacement is due to graphitization and compliance date is 02/10/2016. - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800228	31st and College Replacement - IUI	Install 449' of 4" PE and 9' of 6" PE. Abandon 439' of 6" CI - 31st St & College Ave. This replacement is due to graphitization and compliance date is 02/10/2016. - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800242	Cast Iron Abandonment 55th & Jackso	Install 180 ft of 2 in IP PE main. Abandon 453 ft of 12 in LP CI, 148 ft of 4 in LP CI and 200 ft of 4 in LP ST at E 55th & Jackson. - Total Service Tie overs= 3;Total Service Replacement= 3; Total Service Upgrade = 0; Total Abandoned Services: 2.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800242	Cast Iron Abandonment 55th & Jackso	Install 180 ft of 2 in IP PE main. Abandon 453 ft of 12 in LP CI, 148 ft of 4 in LP CI and 200 ft of 4 in LP ST at E 55th & Jackson. - Total Service Tie overs= 3;Total Service Replacement= 3; Total Service Upgrade = 0; Total Abandoned Services: 2.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800272	AOR - 20th and McGee St Replacement	Install 754ft of 4in PE - 20th & McGee. Abandon 502ft of 4in CI, 112ft of 6in CI, and 466ft of 4in STL (Majority installed prior to 1966). This replacement is due to an AOR. Compliance date of 2/17/2016 - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800272	AOR - 20th and McGee St Replacement	Install 754ft of 4in PE - 20th & McGee. Abandon 502ft of 4in CI, 112ft of 6in CI, and 466ft of 4in STL (Majority installed prior to 1966). This replacement is due to an AOR. Compliance date of 2/17/2016 - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800347	AOR 3211 Cypress Ave Replacement -	Install 40' of 4" PE. Abandon 30' of 6" CI due to AOR at 3211 Cypress Ave. - 0	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800551	Repl w/ 2962F 2P 58th and Olive	Install 2,926ft of 2in PL IP main at Olive Street from 55th to 59th. Abandon 775ft of 3in steel LP main, 262ft if 4in CI LP, 2,059ft of 6in CI LP main, 7ft of 6in PE LP main, and 302ft of 8in CI LP main. - Main being replaced as part of the FY16 cast iron replacement program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions

Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800551	Repl w/ 2962F 2P 58th and Olive	Install 2,926ft of 2in PL IP main at Olive Street from 55th to 59th. Abandon 773ft of 3in steel LP main, 262ft of 4in CI LP, 2,059ft of 6in CI LP main, 7ft of 6in PE LP main, and 302ft of 8in CI LP main. - Main being replaced as part of the FY16 cast iron replacement program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800551	Repl w/ 2962F 2P 58th and Olive	Install 2,926ft of 2in PL IP main at Olive Street from 55th to 59th. Abandon 773ft of 3in steel LP main, 262ft of 4in CI LP, 2,059ft of 6in CI LP main, 7ft of 6in PE LP main, and 302ft of 8in CI LP main. - Main being replaced as part of the FY16 cast iron replacement program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800551	Repl w/ 2962F 2P 58th and Olive	Install 2,926ft of 2in PL IP main at Olive Street from 55th to 59th. Abandon 773ft of 3in steel LP main, 262ft of 4in CI LP, 2,059ft of 6in CI LP main, 7ft of 6in PE LP main, and 302ft of 8in CI LP main. - Main being replaced as part of the FY16 cast iron replacement program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800569	Repl w/ 30F 4P Troost AOR	Install 30 ft of 4 in PL LP main on Troost between Missouri and Pacific Street. Retire 30 ft of 4 in CI LP main.Total Service Tie-over = 3. - This is being replaced as part of the FY16 cast iron replacement program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800569	Repl w/ 30F 4P Troost AOR	Install 30 ft of 4 in PL LP main on Troost between Missouri and Pacific Street. Retire 30 ft of 4 in CI LP main.Total Service Tie-over = 3. - This is being replaced as part of the FY16 cast iron replacement program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800648	Repl w/ 947F 4P 53rd Ter & Ditman	Install 947 ft of 4 in PL IP main on 53rd Ter & Ditman. Abandon 6 ft of 2 in PL IP main, 6 ft of 4 in PL IP main, 564 ft of 4 in ST IP main, and 337 ft of 2 in ST IP main. - This main is being replaced as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800648	Repl w/ 947F 4P 53rd Ter & Ditman	Install 947 ft of 4 in PL IP main on 53rd Ter & Ditman. Abandon 6 ft of 2 in PL IP main, 6 ft of 4 in PL IP main, 564 ft of 4 in ST IP main, and 337 ft of 2 in ST IP main. - This main is being replaced as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
800766	Repl w 30F 4P Indiana & 12th AOR	Install ~30 ft of 4 in PL LP main on 12th at Indiana due to exposed bell joint- AOR. Retire ~30 ft of 4 in CI LP main on 12th at Indiana. No services to tie-over or replace. - Bell joint was exposed at 6 ft EWC of Indiana and 10 ft NSC of 12th Street. This AOR has a compliance date of 11/29/2016.	Main Replacement - ISRS (N)	393.1009 (5) (a) (b)	A,B,C
007053	BWO Mains Installed Mtce -South Reg	BWO Mains Installed Mtce-South Region - For short replacements of main done on emergency basis - South Region	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
007053	BWO Mains Installed Mtce -South Reg	BWO Mains Installed Mtce-South Region - For short replacements of main done on emergency basis - South Region	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
007054	BWO Mains Installed Mtce-Southwest	BWO Mains Installed Mtce Southwest Region - For short replacements of main done on emergency basis - Southwest Region	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
007054	BWO Mains Installed Mtce-Southwest	BWO Mains Installed Mtce Southwest Region - For short replacements of main done on emergency basis - Southwest Region	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
008406	Lees Summit Rd 85th - Gregory	Lees Summit Road 85th to Gregory 8in: Lees Summit: Replace Bare Steel Main - 3760 Safety Related (34-394) Not reimbursable per J Harrell. Part of the Bare Steel Replacement project. - Approved by: Joe Hampton on 05/11/2015, The City of Kansas City is rebuilding Lee's Summit Road from Colbern to Gregory - City of LS Project STP-3301 (455). This work order is for the 8" relocation between 85th and Gregory, in KCMO. The 8" Liberty Lateral purchased in the ground from Panhandle in 1964 was laid in 1995 in private easements. The main is in conflict with proposed storm in right of way where it crosses the road north of 83rd Street. Replacing this entire stretch of 8" bare steel main will lower O&M costs and align the main in easements closer to the improved road reducing potential conflicts with new development. 10% of the production welds will be X-rayed. (ISRS)	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
008683	Replace 4in & 6in pbs and p	Replace 4in & 6in pbs and pcs main: Sweet Springs: Replace Bare Steel Main - 3760 Safety Related (34-394) - Approved by: Joe Hampton on 06/01/2015, Retire and abandon 1,739' - 4" pbs, 264' - 6" pbs, 1,610' - 4" pcs main by installing 3,090' - 4" PE along Miller St, Virginia Ave and N. Locust St. (ISRS)	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
008761	Replace 2in & 4in PBS Main	Replace 2in & 4in PBS Main: Independence: Replace Bare Steel Main - 3760 Safety Related (34-394) - Approved by: Joe Hampton on 06/23/2015, Replace and abandon 2" and 4" pbs main by installing 2,140' of pe main to clear CP 15-42 dated 02/25/15 due to a low CP read which would require the installation of anodes on O&M (ISRS). FCOMP 7-22-16 PER MAXIMO	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
008906	Replace 10in and 6in pbs ma	Replace 10in and 6in pbs main: Raytown: Replace Bare Steel Main - 3760 Safety Related (34-394) - Approved by: Joe Hampton on 07/07/2015, Relocate and abandon 10", 6", and 2" bare steel main by installing 2,485' - 8" pe and 1,240' - 2" pe main to allow the City of Raytown to improve Blue Ridge Blvd. (ISRS)	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
008906	Replace 10in and 6in pbs ma	Replace 10in and 6in pbs main: Raytown: Replace Bare Steel Main - 3760 Safety Related (34-394) - Approved by: Joe Hampton on 07/07/2015, Relocate and abandon 10", 6", and 2" bare steel main by installing 2,485' - 8" pe and 1,240' - 2" pe main to allow the City of Raytown to improve Blue Ridge Blvd. (ISRS)	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
009224	Replace 2 PCS/PE & 4in PCS/PE	Replace 2in PCS/PE & 4in PCS/PE: Holden: Replace Bare Steel Main - 3760 Safety Related (34-394) - Approved by: Joe Hampton on 08/23/2015, Replace and Abandon 175'- 2" PCS (764491), 189'- 2" PCS (783179), 184'- 2" PE (117638), 163'- 2" PCS (50483), 189'- 2" PCS (715871), 168'- 2" PCS (734752), 468'- 2" PCS (735323), 47'- 4" PCS (047575), 510'- 2" PE (735324), 334'- 2" PE (783803), 420'- 2" PE (036006), 470'- 2" PE (805129), 771'- 2" PCS (694370), and 5'- 4" PE (047575). Downrate 2717'- 4" PCS, and 40'- 3" PCS. Uprate 2763'- 2" PE, and 1445'- 4" PE. Main currently runs on SW 285 Road, SW 1321 Road, SW 295 Road, SW 1311 Road, SW 290 Road, HWY 131/Lexington St, Locust St, Chestnut St, W Nay St, Grant Ave, Walnut Sr, Olive St, Mary St, and Madison Ave. FCOMP 7-13-16 PER MAXIMO	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
009224	Replace 2 PCS/PE & 4in PCS/PE	Replace 2in PCS/PE & 4in PCS/PE: Holden: Replace Bare Steel Main - 3760 Safety Related (34-394) - Approved by: Joe Hampton on 08/23/2015, Replace and Abandon 175'- 2" PCS (764491), 189'- 2" PCS (783179), 184'- 2" PE (117638), 163'- 2" PCS (50483), 189'- 2" PCS (715871), 168'- 2" PCS (734752), 468'- 2" PCS (735323), 47'- 4" PCS (047575), 510'- 2" PE (735324), 334'- 2" PE (783803), 420'- 2" PE (036006), 470'- 2" PE (805129), 771'- 2" PCS (694370), and 5'- 4" PE (047575). Downrate 2717'- 4" PCS, and 40'- 3" PCS. Uprate 2763'- 2" PE, and 1445'- 4" PE. Main currently runs on SW 285 Road, SW 1321 Road, SW 295 Road, SW 1311 Road, SW 290 Road, HWY 131/Lexington St, Locust St, Chestnut St, W Nay St, Grant Ave, Walnut Sr, Olive St, Mary St, and Madison Ave. FCOMP 7-13-16 PER MAXIMO	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800027	CP15-02 Replace 2" pbs main	Install 2,615 feet of 2 inch plastic main to retire 2,564 feet of bare steel main and 45 feet of coated steel main to clear cp15-02 - S. Home, S Hall, E22nd and S Cedar Ave. - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800027	CP15-02 Replace 2" pbs main	Install 2,615 feet of 2 inch plastic main to retire 2,564 feet of bare steel main and 45 feet of coated steel main to clear cp15-02 - S. Home, S Hall, E22nd and S Cedar Ave. - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800027	CP15-02 Replace 2" pbs main	Install 2,615 feet of 2 inch plastic main to retire 2,564 feet of bare steel main and 45 feet of coated steel main to clear cp15-02 - S. Home, S Hall, E22nd and S Cedar Ave. - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800068	Tipton Bare Steel Replace-Grid PhA	Install 6762 Ft of 2 in and 2335 Ft of 4 in PL IP main for Tipton Grid Phase A. Abandon 8636 Ft various main - see Notes section. Main is being replaced as part of the FY16 Bare Steel Replacement Program - Install ~ 6,762 Ft. 2 in. PL IP & 2335 Ft of 4in PL IP Main on S. Pacific Ave, State St, W Morgan St, W Cooper St, Railroad Ave, US Hwy 50, Meadowbrook Lane, Independence Ave, Stonner St, Ally south of W Moniteau, and Ally south of E Morgan St, and ~ 2,335 Ft. 4 in. PL IP Main on Railroad Ave, W Cooper St, S Pacific Ave, Ally north of W Cooper St, and the Ally N of US Hwy 50. Abandon ~ 3 Ft. 2 in. PL MP Main, 3,391 Ft. 2 in. PBS MP Main, 1,794 Ft. 2 in. PCS MP Main, 688 Ft. 3 in. PBS MP Main, 2,637 Ft. 3 in. PCS MP Main, 81 Ft. 4 in. PL MP Main, and 42 Ft. 4 in. PCS MP Main at the above location. Total service tie-overs = 106; Total service renewals = 1	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800068	Tipton Bare Steel Replace-Grid PhA	<p>Install 6762 Ft of 2 in and 2335 Ft of 4 in PL IP main for Tipton Grid Phase A. Abandon 8636 Ft various main - see Notes section. Main is being replaced as part of the FY16 Bare Steel Replacement Program - Install ~ 6,762 Ft. 2 in. PL IP & 2335 Ft of 4in PL IP Main on S. Pacific Ave, State St, W Morgan St, W Cooper St, Railroad Ave, US Hwy 50, Meadowbrook Lane, Independence Ave, Stonner St, Ally south of W Moniteau, and Ally south of E Morgan St, and ~ 2,335 Ft. 4 in. PL IP Main on Railroad Ave, W Cooper St, S Pacific Ave, Ally north of W Cooper St, and the Ally N of US Hwy 50.</p> <p>Abandon ~ 3 Ft. 2 in. PL MP Main, 3,391 Ft. 2 in. PBS MP Main, 1,794 Ft. 2 in. PCS MP Main, 688 Ft. 3 in. PBS MP Main, 2,637 Ft. 3 in. PCS MP Main, 81 Ft. 4 in. PL MP Main, and 42 Ft. 4 in. PCS MP Main at the above location.</p> <p>Total service tie-overs = 106; Total service renewals = 1</p>	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800068	Tipton Bare Steel Replace-Grid PhA	<p>Install 6762 Ft of 2 in and 2335 Ft of 4 in PL IP main for Tipton Grid Phase A. Abandon 8636 Ft various main - see Notes section. Main is being replaced as part of the FY16 Bare Steel Replacement Program - Install ~ 6,762 Ft. 2 in. PL IP & 2335 Ft of 4in PL IP Main on S. Pacific Ave, State St, W Morgan St, W Cooper St, Railroad Ave, US Hwy 50, Meadowbrook Lane, Independence Ave, Stonner St, Ally south of W Moniteau, and Ally south of E Morgan St, and ~ 2,335 Ft. 4 in. PL IP Main on Railroad Ave, W Cooper St, S Pacific Ave, Ally north of W Cooper St, and the Ally N of US Hwy 50.</p> <p>Abandon ~ 3 Ft. 2 in. PL MP Main, 3,391 Ft. 2 in. PBS MP Main, 1,794 Ft. 2 in. PCS MP Main, 688 Ft. 3 in. PBS MP Main, 2,637 Ft. 3 in. PCS MP Main, 81 Ft. 4 in. PL MP Main, and 42 Ft. 4 in. PCS MP Main at the above location.</p> <p>Total service tie-overs = 106; Total service renewals = 1</p>	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800068	Tipton Bare Steel Replace-Grid PhA	<p>Install 6762 Ft of 2 in and 2335 Ft of 4 in PL IP main for Tipton Grid Phase A. Abandon 8636 Ft various main - see Notes section. Main is being replaced as part of the FY16 Bare Steel Replacement Program - Install ~ 6,762 Ft. 2 in. PL IP & 2335 Ft of 4in PL IP Main on S. Pacific Ave, State St, W Morgan St, W Cooper St, Railroad Ave, US Hwy 50, Meadowbrook Lane, Independence Ave, Stonner St, Ally south of W Moniteau, and Ally south of E Morgan St, and ~ 2,335 Ft. 4 in. PL IP Main on Railroad Ave, W Cooper St, S Pacific Ave, Ally north of W Cooper St, and the Ally N of US Hwy 50.</p> <p>Abandon ~ 3 Ft. 2 in. PL MP Main, 3,391 Ft. 2 in. PBS MP Main, 1,794 Ft. 2 in. PCS MP Main, 688 Ft. 3 in. PBS MP Main, 2,637 Ft. 3 in. PCS MP Main, 81 Ft. 4 in. PL MP Main, and 42 Ft. 4 in. PCS MP Main at the above location.</p> <p>Total service tie-overs = 106; Total service renewals = 1</p>	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800069	Tipton Grid Phase C - Bare steel re	<p>Install 4529 Ft of 2 in PL and 2863 Ft of 4 in PL MP Main for Tipton Phase C. Abandon 2168 Ft of 2 in and 74 Ft of 4 in PCS (Majority poorly coated), 4819 Ft of 2 in PBS and 138 Ft of 3 in PBS MP Main. - Total services are 79. FY 2016 Bare Steel Replacement Program</p>	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800069	Tipton Grid Phase C - Bare steel re	<p>Install 4529 Ft of 2 in PL and 2863 Ft of 4 in PL MP Main for Tipton Phase C. Abandon 2168 Ft of 2 in and 74 Ft of 4 in PCS (Majority poorly coated), 4819 Ft of 2 in PBS and 138 Ft of 3 in PBS MP Main. - Total services are 79. FY 2016 Bare Steel Replacement Program</p>	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800069	Tipton Grid Phase C - Bare steel re	<p>Install 4529 Ft of 2 in PL and 2863 Ft of 4 in PL MP Main for Tipton Phase C. Abandon 2168 Ft of 2 in and 74 Ft of 4 in PCS (Majority poorly coated), 4819 Ft of 2 in PBS and 138 Ft of 3 in PBS MP Main. - Total services are 79. FY 2016 Bare Steel Replacement Program</p>	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800069	Tipton Grid Phase C - Bare steel re	<p>Install 4529 Ft of 2 in PL and 2863 Ft of 4 in PL MP Main for Tipton Phase C. Abandon 2168 Ft of 2 in and 74 Ft of 4 in PCS (Majority poorly coated), 4819 Ft of 2 in PBS and 138 Ft of 3 in PBS MP Main. - Total services are 79. FY 2016 Bare Steel Replacement Program</p>	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions

Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800070	Tipton Grid Phase D - Bare steel re	Install 1277 Ft of 4 in and 1089 Ft of 2 in PL MP Main on Briar, S. Ferguson & Prospect St (Tipton Grid Ph D). Abandon 1997 Ft of 3 in PCS and 388 Ft of 2 in PBS MP main at the above locations. - Total Service Tie overs = 20; Total Service Abandon = 1; Total Service uprate = 0 This main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800070	Tipton Grid Phase D - Bare steel re	Install 1277 Ft of 4 in and 1089 Ft of 2 in PL MP Main on Briar, S. Ferguson & Prospect St (Tipton Grid Ph D). Abandon 1997 Ft of 3 in PCS and 388 Ft of 2 in PBS MP main at the above locations. - Total Service Tie overs = 20; Total Service Abandon = 1; Total Service uprate = 0 This main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800072	Tipton Grid Phase B - Bare steel re	Install 7556 Ft of 2 and 4125 Ft of 4 in PL IP. Abandon 93 Ft of 2 in PL, 1309 Ft of 2 in PBS, 3197 Ft of 2 in PCS, 95 Ft of 3 in PL, 2548 Ft of 3 in PBS, 443 Ft of 3 in PCS, 657 Ft of 4 in PL, 3243 Ft of 4 in PBS on various streets - Tipton Grid Ph B. - Also abandon 403 Ft. 4 in. PCS MP Main at the above location. Total service tie-overs = 121; Total service renewals = 12; Total service abandon = 27 This main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800072	Tipton Grid Phase B - Bare steel re	Install 7556 Ft of 2 and 4125 Ft of 4 in PL IP. Abandon 93 Ft of 2 in PL, 1309 Ft of 2 in PBS, 3197 Ft of 2 in PCS, 95 Ft of 3 in PL, 2548 Ft of 3 in PBS, 443 Ft of 3 in PCS, 657 Ft of 4 in PL, 3243 Ft of 4 in PBS on various streets - Tipton Grid Ph B. - Also abandon 403 Ft. 4 in. PCS MP Main at the above location. Total service tie-overs = 121; Total service renewals = 12; Total service abandon = 27 This main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800072	Tipton Grid Phase B - Bare steel re	Install 7556 Ft of 2 and 4125 Ft of 4 in PL IP. Abandon 93 Ft of 2 in PL, 1309 Ft of 2 in PBS, 3197 Ft of 2 in PCS, 95 Ft of 3 in PL, 2548 Ft of 3 in PBS, 443 Ft of 3 in PCS, 657 Ft of 4 in PL, 3243 Ft of 4 in PBS on various streets - Tipton Grid Ph B. - Also abandon 403 Ft. 4 in. PCS MP Main at the above location. Total service tie-overs = 121; Total service renewals = 12; Total service abandon = 27 This main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800072	Tipton Grid Phase B - Bare steel re	Install 7556 Ft of 2 and 4125 Ft of 4 in PL IP. Abandon 93 Ft of 2 in PL, 1309 Ft of 2 in PBS, 3197 Ft of 2 in PCS, 95 Ft of 3 in PL, 2548 Ft of 3 in PBS, 443 Ft of 3 in PCS, 657 Ft of 4 in PL, 3243 Ft of 4 in PBS on various streets - Tipton Grid Ph B. - Also abandon 403 Ft. 4 in. PCS MP Main at the above location. Total service tie-overs = 121; Total service renewals = 12; Total service abandon = 27 This main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800073	Tipton Grid Phase F - Bare steel re	Inst 8563ft 2in, 3479ft of 4in, and 1634ft of 6in PL MP main for Tipton Grid Phase F. Abdn 210ft of 2in PL, 2740ft of 2in, 6115ft of 3in and 865ft of 4in PBS, 3436 Ft of 2 in, 600 Ft of 3 in and 284 Ft of 4 in PCS (Majority poorly coated) MP main. - FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800073	Tipton Grid Phase F - Bare steel re	Inst 8563ft 2in, 3479ft of 4in, and 1634ft of 6in PL MP main for Tipton Grid Phase F. Abdn 210ft of 2in PL, 2740ft of 2in, 6115ft of 3in and 865ft of 4in PBS, 3436 Ft of 2 in, 600 Ft of 3 in and 284 Ft of 4 in PCS (Majority poorly coated) MP main. - FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800075	Tipton Grid Phase E - Bare steel re	Install 6759 Ft of 2 in and 7361 Ft of 4 in PL IP Main for Tipton Grid Phase E. Abandon 25 Ft of 2 in PL, 6846 Ft of 2 in Steel, 5266 Ft of 3 in Steel and 200 Ft of 4 in Steel MP and IP main. FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800075	Tipton Grid Phase E - Bare steel re	Install 6759 Ft of 2 in and 7361 Ft of 4 in PL IP Main for Tipton Grid Phase E. Abandon 25 Ft of 2 in PL, 6846 Ft of 2 in Steel, 5266 Ft of 3 in Steel and 200 Ft of 4 in Steel MP and IP main. FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800075	Tipton Grid Phase E - Bare steel re	Install 6759 Ft of 2 in and 7361 Ft of 4 in PL IP Main for Tipton Grid Phase E. Abandon 25 Ft of 2 in PL, 6846 Ft of 2 in Steel, 5266 Ft of 3 in Steel and 200 Ft of 4 in Steel MP and IP main. FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800075	Tipton Grid Phase E - Bare steel re	Install 6759 Ft of 2 in and 7361 Ft of 4 in PL IP Main for Tipton Grid Phase E. Abandon 25 Ft of 2 in PL, 6846 Ft of 2 in Steel, 5266 Ft of 3 in Steel and 200 Ft of 4 in Steel MP and IP main. FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800083	Holden Grid Phase 2I	Install 4030 Ft of 2 in PL IP main for Holden Phase 2I. Abandon 1951 Ft of 2 in PL, 6163 Ft of 2 in ST, 3809 Ft of 3 in ST main, 350 Ft of 4 in PL main, 710 Ft of 4 in ST main and 1015 Ft of 6 in ST main. FY16 Bare Steel Replacement Program. - Uprate ~ 2071 Ft of 4 in PL IP main in Olive/ MO-131. Total Service Tie-over = 58; Total Service Replacement = 2; Total Service Abandoned = 16; Total Service Upgrade = 17	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800083	Holden Grid Phase 2I	Install 4030 Ft of 2 in PL IP main for Holden Phase 2I. Abandon 1951 Ft of 2 in PL, 6163 Ft of 2 in ST, 3809 Ft of 3 in ST main, 350 Ft of 4 in PL main, 710 Ft of 4 in ST main and 1015 Ft of 6 in ST main. FY16 Bare Steel Replacement Program. - Uprate ~ 2071 Ft of 4 in PL LP main IP main in Olive/ MO-131.Total Service Tie-over =58; Total Service Replacement = 2; Total Service Abandoned = 16; Total Service Upgrade = 17	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800083	Holden Grid Phase 2I	Install 4030 Ft of 2 in PL IP main for Holden Phase 2I. Abandon 1951 Ft of 2 in PL, 6163 Ft of 2 in ST, 3809 Ft of 3 in ST main, 350 Ft of 4 in PL main, 710 Ft of 4 in ST main and 1015 Ft of 6 in ST main. FY16 Bare Steel Replacement Program. - Uprate ~ 2071 Ft of 4 in PL LP main IP main in Olive/ MO-131.Total Service Tie-over =58; Total Service Replacement = 2; Total Service Abandoned = 16; Total Service Upgrade = 17	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800083	Holden Grid Phase 2I	Install 4030 Ft of 2 in PL IP main for Holden Phase 2I. Abandon 1951 Ft of 2 in PL, 6163 Ft of 2 in ST, 3809 Ft of 3 in ST main, 350 Ft of 4 in PL main, 710 Ft of 4 in ST main and 1015 Ft of 6 in ST main. FY16 Bare Steel Replacement Program. - Uprate ~ 2071 Ft of 4 in PL LP main IP main in Olive/ MO-131.Total Service Tie-over =58; Total Service Replacement = 2; Total Service Abandoned = 16; Total Service Upgrade = 17	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800084	Holden Grid Phase 2H	Install 7745 Ft of 2 in PL IP main on 4th St, Vine St, MO-58, Main & 9th St. for Holden Ph 2H. Abandon 607 Ft 2in PL, 3401 Ft 2in ST, 1073 Ft 4in PL & 2499 Ft 4 in ST main at above locations. - Total Service Tie-over =71; Total Service Replacement =4; Total Service Abandoned =16; Total Service Upgrade =0. This main is being abandoned as part of FY16 Bare Steel Replacement Program	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800084	Holden Grid Phase 2H	Install 7745 Ft of 2 in PL IP main on 4th St, Vine St, MO-58, Main & 9th St. for Holden Ph 2H. Abandon 607 Ft 2in PL, 3401 Ft 2in ST, 1073 Ft 4in PL & 2499 Ft 4 in ST main at above locations. - Total Service Tie-over =71; Total Service Replacement =4; Total Service Abandoned =16; Total Service Upgrade =0. This main is being abandoned as part of FY16 Bare Steel Replacement Program	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800084	Holden Grid Phase 2H	Install 7745 Ft of 2 in PL IP main on 4th St, Vine St, MO-58, Main & 9th St. for Holden Ph 2H. Abandon 607 Ft 2in PL, 3401 Ft 2in ST, 1073 Ft 4in PL & 2499 Ft 4 in ST main at above locations. - Total Service Tie-over =71; Total Service Replacement =4; Total Service Abandoned =16; Total Service Upgrade =0. This main is being abandoned as part of FY16 Bare Steel Replacement Program	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800084	Holden Grid Phase 2H	Install 7745 Ft of 2 in PL IP main on 4th St, Vine St, MO-58, Main & 9th St. for Holden Ph 2H. Abandon 607 Ft 2in PL, 3401 Ft 2in ST, 1073 Ft 4in PL & 2499 Ft 4 in ST main at above locations. - Total Service Tie-over =71; Total Service Replacement =4; Total Service Abandoned =16; Total Service Upgrade =0. This main is being abandoned as part of FY16 Bare Steel Replacement Program	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800085	Holden Grid Phase 2G	Install 4695 Ft of 2 in PL IP main for Holden Phase 2G (Saint Charles St, W 5th St, Buffalo St, Niagara St, S Buffalo St and 8th St.) Abandon 4538 Ft of 2 in Steel and 472 Ft of 2 in PL LP main. - This main is being replaced as part of FY16 Bare Steel Replacement Program. Uprate ~ 665 Ft of 2 in PL LP main to IP main at 7th St, and Lindy Ln Total Service Tie-over = 34; Total Service Replacement = 3; Total Service Abandoned = 8; Total Service Upgrade =2	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800085	Holden Grid Phase 2G	Install 4695 Ft of 2 in PL IP main for Holden Phase 2G (Saint Charles St, W 5th St, Buffalo St, Niagara St, S Buffalo St and 8th St.) Abandon 4538 Ft of 2 in Steel and 472 Ft of 2 in PL LP main. - This main is being replaced as part of FY16 Bare Steel Replacement Program. Uprate ~ 665 Ft of 2 in PL LP main to IP main at 7th St, and Lindy Ln Total Service Tie-over = 34; Total Service Replacement = 3; Total Service Abandoned = 8; Total Service Upgrade =2	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800085	Holden Grid Phase 2G	Install 4695 Ft of 2 in PL IP main for Holden Phase 2G (Saint Charles St, W 5th St, Buffalo St, Niagara St, S Buffalo St and 8th St.) Abandon 4538 Ft of 2 in Steel and 472 Ft of 2 in PL LP main. - This main is being replaced as part of FY16 Bare Steel Replacement Program. Uprate ~ 665 Ft of 2 in PL LP main to IP main at 7th St, and Lindy Ln Total Service Tie-over = 34; Total Service Replacement = 3; Total Service Abandoned = 8; Total Service Upgrade =2	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800085	Holden Grid Phase 2G	Install 4695 Ft of 2 in PL IP main for Holden Phase 2G (Saint Charles St, W 5th St, Buffalo St, Niagara St, S Buffalo St and 8th St.) Abandon 4538 Ft of 2 in Steel and 472 Ft of 2 in PL LP main. - This main is being replaced as part of FY16 Bare Steel Replacement Program. Uprate ~ 665 Ft of 2 in PL LP main to IP main at 7th St, and Lindy Ln Total Service Tie-over = 34; Total Service Replacement = 3; Total Service Abandoned = 8; Total Service Upgrade =2	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800086	Holden Grid Phase 2F	Install 1815 Ft of 4 in and 5045 Ft of 2 in PL IP main for Holden Phase 2F. Abandon 3514 Ft of 2 in and 370 Ft of 6 in PBS, 210 Ft of 2 in and 560 Ft of 4 in PCS (Majority poorly coated), 311 Ft of 4 in PL and 10 Ft of 2 in PL LP. - on MO-58, S Vine St, in between MO-58 and 3rd St, in between 3rd Street and 4th St, Saint Charles St, Lindy Ln, and S Lexington St. Uprate ~ 1398 Ft of 2 in PL LP main and ~ 1255 Ft of 4 in PL LP main to IP main on MO-58, 3rd St, in between MO-58 and 3rd St and S Pine St. Total Service Tie-over = 51; Total Service Replacement = 3; Total Service Abandoned = 14; Total Service Upgrade =34. This main is being replaced as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800086	Holden Grid Phase 2F	Install 1815 Ft of 4 in and 5045 Ft of 2 in PL IP main for Holden Phase 2F. Abandon 3514 Ft of 2 in and 370 Ft of 6 in PBS, 210 Ft of 2 in and 560 Ft of 4 in PCS (Majority poorly coated), 311 Ft of 4 in PL and 10 Ft of 2 in PL LP. - on MO-58, S Vine St, in between MO-58 and 3rd St, in between 3rd Street and 4th St, Saint Charles St, Lindy Ln, and S Lexington St. Uprate ~ 1398 Ft of 2 in PL LP main and ~ 1255 Ft of 4 in PL LP main to IP main on MO-58, 3rd St, in between MO-58 and 3rd St and S Pine St. Total Service Tie-over = 51; Total Service Replacement = 3; Total Service Abandoned = 14; Total Service Upgrade =34. This main is being replaced as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800086	Holden Grid Phase 2F	Install 1815 Ft of 4 in and 5045 Ft of 2 in PL IP main for Holden Phase 2F. Abandon 3514 Ft of 2 in and 370 Ft of 6 in PBS, 210 Ft of 2 in and 560 Ft of 4 in PCS (Majority poorly coated), 311 Ft of 4 in PL and 10 Ft of 2 in PL LP. - on MO-58, S Vine St, in between MO-58 and 3rd St, in between 3rd Street and 4th St, Saint Charles St, Lindy Ln, and S Lexington St. Uprate ~ 1398 Ft of 2 in PL LP main and ~ 1255 Ft of 4 in PL LP main to IP main on MO-58, 3rd St, in between MO-58 and 3rd St and S Pine St. Total Service Tie-over = 51; Total Service Replacement = 3; Total Service Abandoned = 14; Total Service Upgrade =34. This main is being replaced as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800086	Holden Grid Phase 2F	Install 1815 Ft of 4 in and 5045 Ft of 2 in PL IP main for Holden Phase 2F. Abandon 3514 Ft of 2 in and 370 Ft of 6 in PBS, 210 Ft of 2 in and 560 Ft of 4 in PCS (Majority poorly coated), 311 Ft of 4 in PL and 10 Ft of 2 in PL LP. - on MO-58, S Vine St, in between MO-58 and 3rd St, in between 3rd Street and 4th St, Saint Charles St, Lindy Ln, and S Lexington St. Uprate ~ 1398 Ft of 2 in PL LP main and ~ 1255 Ft of 4 in PL LP main to IP main on MO-58, 3rd St, in between MO-58 and 3rd St and S Pine St. Total Service Tie-over = 51; Total Service Replacement = 3; Total Service Abandoned = 14; Total Service Upgrade =34. This main is being replaced as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800087	Holden Grid Phase 2E	Inst 6571 Ft of 2 in PL IP Main for Holden Phase 2E. Abandon 89 Ft of 1-1/4 in PL, 3815 Ft of 2 in PBS, 1644 Ft of 2 in, 805 Ft of 3 in and 1517 Ft of 4 in PCS (Majority poorly coated) Main. - Uprate 1318 Ft of 4 in, 220 Ft of 2 in and 344 Ft of 1-1/4 in PL Main to IP. FY 2016 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800087	Holden Grid Phase 2E	Inst 6571 Ft of 2 in PL IP Main for Holden Phase 2E. Abandon 89 Ft of 1-1/4 in PL, 3815 Ft of 2 in PBS, 1644 Ft of 2 in, 805 Ft of 3 in and 1517 Ft of 4 in PCS (Majority poorly coated) Main. - Uprate 1318 Ft of 4 in, 220 Ft of 2 in and 344 Ft of 1-1/4 in PL Main to IP. FY 2016 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800087	Holden Grid Phase 2E	Inst 6571 Ft of 2 in PL IP Main for Holden Phase 2E. Abandon 89 Ft of 1-1/4 in PL, 3815 Ft of 2 in PBS, 1644 Ft of 2 in, 805 Ft of 3 in and 1517 Ft of 4 in PCS (Majority poorly coated) Main. - Uprate 1318 Ft of 4 in, 220 Ft of 2 in and 344 Ft of 1-1/4 in PL Main to IP. FY 2016 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800087	Holden Grid Phase 2E	Inst 6571 Ft of 2 in PL IP Main for Holden Phase 2E. Abandon 89 Ft of 1-1/4 in PL, 3815 Ft of 2 in PBS, 1644 Ft of 2 in, 805 Ft of 3 in and 1517 Ft of 4 in PCS (Majority poorly coated) Main. - Uprate 1318 Ft of 4 in, 220 Ft of 2 in and 344 Ft of 1-1/4 in PL Main to IP. FY 2016 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800087	Holden Grid Phase 2E	Inst 6571 Ft of 2 in PL IP Main for Holden Phase 2E. Abandon 89 Ft of 1-1/4 in PL, 3815 Ft of 2 in PBS, 1644 Ft of 2 in, 805 Ft of 3 in and 1517 Ft of 4 in PCS (Majority poorly coated) Main. - Uprate 1318 Ft of 4 in, 220 Ft of 2 in and 344 Ft of 1-1/4 in PL Main to IP. FY 2016 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800087	Holden Grid Phase 2E	Inst 6571 Ft of 2 in PL IP Main for Holden Phase 2E. Abandon 89 Ft of 1-1/4 in PL, 3815 Ft of 2 in PBS, 1644 Ft of 2 in, 805 Ft of 3 in and 1517 Ft of 4 in PCS (Majority poorly coated) Main. - Uprate 1318 Ft of 4 in, 220 Ft of 2 in and 344 Ft of 1-1/4 in PL Main to IP. FY 2016 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800088	Holden Grid Phase 2D	Install 1697 Ft of 4 in and 224 Ft of 2 in PL IP main for Holden Grid Ph 2D. Abandon 10 Ft of 4 in PL, 1434 Ft of 2 in PBS and 480 Ft of 2 in PCS MP main. Uprate 600Ft of 1 1/4 in PL, 1480 Ft of 2 in PL, 3382 Ft of 4 in PL, and 1362 Ft of 2 in PCS main. - This main is being replaced as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800088	Holden Grid Phase 2D	Install 1697 Ft of 4 in and 224 Ft of 2 in PL IP main for Holden Grid Ph 2D. Abandon 10 Ft of 4 in PL, 1434 Ft of 2 in PBS and 480 Ft of 2 in PCS MP main. Uprate 600Ft of 1 1/4 in PL, 1480 Ft of 2 in PL, 3382 Ft of 4 in PL, and 1362 Ft of 2 in PCS main. - This main is being replaced as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800088	Holden Grid Phase 2D	Install 1697 Ft of 4 in and 224 Ft of 2 in PL IP main for Holden Grid Ph 2D. Abandon 10 Ft of 4 in PL, 1434 Ft of 2 in PBS and 480 Ft of 2 in PCS MP main. Uprate 600Ft of 1 1/4 in PL, 1480 Ft of 2 in PL, 3382 Ft of 4 in PL, and 1362 Ft of 2 in PCS main. - This main is being replaced as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800088	Holden Grid Phase 2D	Install 1697 Ft of 4 in and 224 Ft of 2 in PL IP main for Holden Grid Ph 2D. Abandon 10 Ft of 4 in PL, 1434 Ft of 2 in PBS and 480 Ft of 2 in PCS MP main. Uprate 600Ft of 1 1/4 in PL, 1480 Ft of 2 in PL, 3382 Ft of 4 in PL, and 1362 Ft of 2 in PCS main. - This main is being replaced as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800088	Holden Grid Phase 2D	Install 1697 Ft of 4 in and 224 Ft of 2 in PL IP main for Holden Grid Ph 2D. Abandon 10 Ft of 4 in PL, 1434 Ft of 2 in PBS and 480 Ft of 2 in PCS MP main. Uprate 600Ft of 1 1/4 in PL, 1480 Ft of 2 in PL, 3382 Ft of 4 in PL, and 1362 Ft of 2 in PCS main. - This main is being replaced as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800089	Holden Grid Phase 2C	Install 6230 Ft of 4 in and 920 Ft of 2 in PL IP main for Holden Phase 2C. Abandon 1317 Ft of 2 in PBS at above location. Total Services is 43. Main is being abandoned as part of the FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800089	Holden Grid Phase 2C	Install 6230 Ft of 4 in and 920 Ft of 2 in PL IP main for Holden Phase 2C. Abandon 1317 Ft of 2 in PBS at above location. Total Services is 43. Main is being abandoned as part of the FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800089	Holden Grid Phase 2C	Install 6230 Ft of 4 in and 920 Ft of 2 in PL IP main for Holden Phase 2C. Abandon 1317 Ft of 2 in PBS at above location. Total Services is 43. Main is being abandoned as part of the FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800089	Holden Grid Phase 2C	Install 6230 Ft of 4 in and 920 Ft of 2 in PL IP main for Holden Phase 2C. Abandon 1317 Ft of 2 in PBS at above location. Total Services is 43. Main is being abandoned as part of the FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800104	Centerview Grid Replacement Phase 1	Install 595 Ft of 4 in PL MP and 3086 Ft of 2 in PL MP main for Centerview Phase 1. Abandon 3600 Ft of 2 in PBS, 344 Ft of 2 in PCS, and 12 Ft of 2 in PL MP main. Total service tie-overs are 20 and 9 abandons. FY16 Bare Steel Repl - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800104	Centerview Grid Replacement Phase 1	Install 595 Ft of 4 in PL MP and 3086 Ft of 2 in PL MP main for Centerview Phase 1. Abandon 3600 Ft of 2 in PBS, 344 Ft of 2 in PCS, and 12 Ft of 2 in PL MP main. Total service tie-overs are 20 and 9 abandons. FY16 Bare Steel Repl - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800249	Replace 2" Main-Savage & Pacific	Install 2,005 ft of 2 in pl main - Savage & Pacific. Abandon 105 ft of 2 in bs main 1949, 797 ft of 2 in bs main 1950, 346 ft of 2 in bs main 1952, 307 ft of 2 in bs main 1955, 165 ft of 2 in pl main 1974 and 199 ft of 2 in pl main 1987. - Work is to clear leak number 417915 which has allowed water in the main due to the 22 ounce pressure system. The new 2 inch plastic main will tie into the 44 psig maop pressure system.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800254	Pleasant Hill Main Replacement- Pha	Install 2603 Ft 2 in PL IP, 2707 Ft 4 in PL IP, & 1969 Ft 6 in PL IP main on Commercial St, Oakland St, Miller St, Walnut St, Front St, 2nd St, Harrison St, Jefferson St, Webster St, Hwy 58, & Main St (Pleasant Hill). Abandon various - see Notes. - Abandon ~364' of 2", ~1978' of 3", ~583' of 4" and ~2176' of 6" PCS (Majority installed prior to 1966), ~561' of 2", ~347' of 3", ~1907' of 4", and ~74' of 6" PBS, ~45' of 1.25", ~45' of 2", ~171' of 3" and ~130' of 4" PL. Uprate ~3945 Ft of 2 in PL MP main and ~695 Ft of 4 in PL MP main on Oakland St, Miller St, Hwy 58, Webster St, Commercial St, Jefferson St, and 1st St. Main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800254	Pleasant Hill Main Replacement- Pha	Install 2603 Ft 2 in PL IP, 2707 Ft 4 in PL IP, & 1969 Ft 6 in PL IP main on Commercial St, Oakland St, Miller St, Walnut St, Front St, 2nd St, Harrison St, Jefferson St, Webster St, Hwy 58, & Main St (Pleasant Hill). Abandon various - see Notes. - Abandon ~364' of 2", ~1978' of 3", ~583' of 4" and ~2176' of 6" PCS (Majority installed prior to 1966), ~561' of 2", ~347' of 3", ~1907' of 4", and ~74' of 6" PBS, ~45' of 1.25", ~45' of 2", ~171' of 3" and ~130' of 4" PL. Uprate ~3945 Ft of 2 in PL MP main and ~695 Ft of 4 in PL MP main on Oakland St, Miller St, Hwy 58, Webster St, Commercial St, Jefferson St, and 1st St. Main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800254	Pleasant Hill Main Replacement- Pha	Install 2603 Ft 2 in PL IP, 2707 Ft 4 in PL IP, & 1969 Ft 6 in PL IP main on Commercial St, Oakland St, Miller St, Walnut St, Front St, 2nd St, Harrison St, Jefferson St, Webster St, Hwy 58, & Main St (Pleasant Hill). Abandon various - see Notes. - Abandon ~364' of 2", ~1978' of 3", ~583' of 4" and ~2176' of 6" PCS (Majority installed prior to 1966), ~561' of 2", ~347' of 3", ~1907' of 4", and ~74' of 6" PBS, ~45' of 1.25", ~45' of 2", ~171' of 3" and ~130' of 4" PL. Uprate ~3945 Ft of 2 in PL MP main and ~695 Ft of 4 in PL MP main on Oakland St, Miller St, Hwy 58, Webster St, Commercial St, Jefferson St, and 1st St. Main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800254	Pleasant Hill Main Replacement- Pha	Install 2603 Ft 2 in PL IP, 2707 Ft 4 in PL IP, & 1969 Ft 6 in PL IP main on Commercial St, Oakland St, Miller St, Walnut St, Front St, 2nd St, Harrison St, Jefferson St, Webster St, Hwy 58, & Main St (Pleasant Hill). Abandon various - see Notes. - Abandon ~364' of 2", ~1978' of 3", ~583' of 4" and ~2176' of 6" PCS (Majority installed prior to 1966), ~561' of 2", ~347' of 3", ~1907' of 4", and ~74' of 6" PBS, ~45' of 1.25", ~45' of 2", ~171' of 3" and ~130' of 4" PL. Uprate ~3945 Ft of 2 in PL MP main and ~695 Ft of 4 in PL MP main on Oakland St, Miller St, Hwy 58, Webster St, Commercial St, Jefferson St, and 1st St. Main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800254	Pleasant Hill Main Replacement- Pha	Install 2603 Ft 2 in PL IP, 2707 Ft 4 in PL IP, & 1969 Ft 6 in PL IP main on Commercial St, Oakland St, Miller St, Walnut St, Front St, 2nd St, Harrison St, Jefferson St, Webster St, Hwy 58, & Main St (Pleasant Hill). Abandon various - see Notes. - Abandon ~364' of 2", ~1978' of 3", ~583' of 4" and ~2176' of 6" PCS (Majority installed prior to 1966), ~561' of 2", ~347' of 3", ~1907' of 4", and ~74' of 6" PBS, ~45' of 1.25", ~45' of 2", ~171' of 3" and ~130' of 4" PL. Uprate ~3945 Ft of 2 in PL MP main and ~695 Ft of 4 in PL MP main on Oakland St, Miller St, Hwy 58, Webster St, Commercial St, Jefferson St, and 1st St. Main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800254	Pleasant Hill Main Replacement- Pha	Install 2603 Ft 2 in PL IP, 2707 Ft 4 in PL IP, & 1969 Ft 6 in PL IP main on Commercial St, Oakland St, Miller St, Walnut St, Front St, 2nd St, Harrison St, Jefferson St, Webster St, Hwy 58, & Main St (Pleasant Hill). Abandon various - see Notes. - Abandon ~364' of 2", ~1978' of 3", ~583' of 4" and ~2176' of 6" PCS (Majority installed prior to 1966), ~561' of 2", ~347' of 3", ~1907' of 4", and ~74' of 6" PBS, ~45' of 1.25", ~45' of 2", ~171' of 3" and ~130' of 4" PL. Uprate ~3945 Ft of 2 in PL MP main and ~695 Ft of 4 in PL MP main on Oakland St, Miller St, Hwy 58, Webster St, Commercial St, Jefferson St, and 1st St. Main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800255	Pleasant Hill Main Replace-Phase 2	Install 2936Ft of 2in and 704Ft of 4in PL IP main for Pleasant Hill Grid Phase 2. Abandon 80Ft of 2in PL, 215Ft of 4in PL, 668Ft of 2in ST, 512Ft of 3in ST, 2968ft of 4in ST and 115ft of 5in ST main. - Uprate ~1773 Ft of 2 in PL LP main, ~7 Ft 3 in PL LP main, and ~4471 Ft of 4 in PL LP main at the above locations. Total Service Tie-over = 63; Total Service Abandoned = 7; Total Service Replace = 0; Total Service Upgrade = 63. This main is being abandoned as part of FY16 Bare Steel Replacement Program	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800255	Pleasant Hill Main Replace-Phase 2	Install 2936Ft of 2in and 704Ft of 4in PL IP main for Pleasant Hill Grid Phase 2. Abandon 80Ft of 2in PL, 215Ft of 4in PL, 668Ft of 2in ST, 512Ft of 3in ST, 2968ft of 4in ST and 115ft of 5in ST main. - Uprate ~1773 Ft of 2 in PL LP main, ~7 Ft 3 in PL LP main, and ~4471 Ft of 4 in PL LP main at the above locations. Total Service Tie-over = 63; Total Service Abandoned = 7; Total Service Replace = 0; Total Service Upgrade = 63. This main is being abandoned as part of FY16 Bare Steel Replacement Program	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800255	Pleasant Hill Main Replace-Phase 2	Install 2936Ft of 2in and 704Ft of 4in PL IP main for Pleasant Hill Grid Phase 2. Abandon 80Ft of 2in PL, 215Ft of 4in PL, 668Ft of 2in ST, 512Ft of 3in ST, 2968ft of 4in ST and 115ft of 5in ST main. - Uprate ~1773 Ft of 2 in PL LP main, ~7 Ft 3 in PL LP main, and ~4471 Ft of 4 in PL LP main at the above locations. Total Service Tie-over = 63; Total Service Abandoned = 7; Total Service Replace = 0; Total Service Upgrade = 63. This main is being abandoned as part of FY16 Bare Steel Replacement Program	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800255	Pleasant Hill Main Replace-Phase 2	Install 2936Ft of 2in and 704Ft of 4in PL IP main for Pleasant Hill Grid Phase 2. Abandon 80Ft of 2in PL, 215Ft of 4in PL, 668Ft of 2in ST, 512Ft of 3in ST, 2968ft of 4in ST and 115ft of 5in ST main. - Uprate ~1773 Ft of 2 in PL LP main, ~7 Ft 3 in PL LP main, and ~4471 Ft of 4 in PL LP main at the above locations. Total Service Tie-over = 63; Total Service Abandoned = 7; Total Service Replace = 0; Total Service Upgrade = 63. This main is being abandoned as part of FY16 Bare Steel Replacement Program	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800428	Aber and MorrelRepl Bare Steel Main	Replace and abandon 2,339ft of 4in bare steel main - 1925 vintage by installing 2,380ft of 2in plastic main at Aber and Morrell, in Independence - 0	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800430	Repl w 4625F 2-4P TCLea&Rogers Ph1	Install 3430 Ft of 2in PL IP, 1195 Ft of 4in PL IP, abandon 130 ft of 2in PL LP, 118 Ft of 4in PL LP, 939 Ft of 2in ST LP, 3443 Ft of 4in ST LP Main on T.C. Lea Rd, Westwood Dr, Westwood Ct, and Waldo Dr. - This main is being replaced as part of the FY16 Bare Steel Replacement Program. Total service tie overs = 88; Total service abandon = 5; Total service replace = 5	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800430	Repl w 4625F 2-4P TCLea&Rogers Ph1	Install 3430 Ft of 2in PL IP, 1195 Ft of 4in PL IP, abandon 130 ft of 2in PL LP, 118 Ft of 4in PL LP, 939 Ft of 2in ST LP, 3443 Ft of 4in ST LP Main on T.C. Lea Rd, Westwood Dr, Westwood Ct, and Waldo Dr. - This main is being replaced as part of the FY16 Bare Steel Replacement Program. Total service tie overs = 88; Total service abandon = 5; Total service replace = 5	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800430	Repl w 4625F 2-4P TCLea&Rogers Ph1	Install 3430 Ft of 2in PL IP, 1195 Ft of 4in PL IP, abandon 130 ft of 2in PL LP, 118 Ft of 4in PL LP, 939 Ft of 2in ST LP, 3443 Ft of 4in ST LP Main on T.C. Lea Rd, Westwood Dr, Westwood Ct, and Waldo Dr. - This main is being replaced as part of the FY16 Bare Steel Replacement Program. Total service tie overs = 88; Total service abandon = 5; Total service replace = 5	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800430	Repl w 4625F 2-4P TCLea&Rogers Ph1	Install 3430 Ft of 2in PL IP, 1195 Ft of 4in PL IP, abandon 130 ft of 2in PL LP, 118 Ft of 4in PL LP, 939 Ft of 2in ST LP, 3443 Ft of 4in ST LP Main on T.C. Lea Rd, Westwood Dr, Westwood Ct, and Waldo Dr. - This main is being replaced as part of the FY16 Bare Steel Replacement Program. Total service tie overs = 88; Total service abandon = 5; Total service replace = 5	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800543	Repl w/ 4265F 2P TC Lea & Rogers Ph2	Install 4265 Ft of 2 in PL IP and abandon 383 Ft of 2 in PL LP Main, 2124 Ft of 2 in ST LP, 1847 Ft of 4" ST LP Main on Rogers St, Sunrise Dr, Sunset Dr and Westwood Dr. - This main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800543	Repl w/ 4265F 2P TC Lea & RogersPh2	Install 4265 Ft of 2 In PL IP and abandon 383 Ft of 2 In PL LP Main, 2124 Ft of 2 In ST LP, 1847 Ft of 4" ST LP Main on Rogers St, Sunrise Dr, Sunset Dr and Westwood Dr. - This main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800543	Repl w/ 4265F 2P TC Lea & RogersPh2	Install 4265 Ft of 2 In PL IP and abandon 383 Ft of 2 In PL LP Main, 2124 Ft of 2 In ST LP, 1847 Ft of 4" ST LP Main on Rogers St, Sunrise Dr, Sunset Dr and Westwood Dr. - This main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800543	Repl w/ 4265F 2P TC Lea & RogersPh2	Install 4265 Ft of 2 In PL IP and abandon 383 Ft of 2 In PL LP Main, 2124 Ft of 2 In ST LP, 1847 Ft of 4" ST LP Main on Rogers St, Sunrise Dr, Sunset Dr and Westwood Dr. - This main is being replaced as part of the FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800557	Repl 4185F 8S Colbern Feeder Main	Install 4185' of 8" HP STL. Abandon 4,194' of 10" STL - Colbern Rd. - A section of the bare steel main is exposed and most of the bare steel feeder main is too shallow. Commercial development is currently underway along Colbern Rd - rather than just lower this section of 10" bare steel main we would rather replace it prior to their landscaping. This main is on rectifier. This project is part of the bare steel main replacement program - ISRS.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800557	Repl 4185F 8S Colbern Feeder Main	Install 4185' of 8" HP STL. Abandon 4,194' of 10" STL - Colbern Rd. - A section of the bare steel main is exposed and most of the bare steel feeder main is too shallow. Commercial development is currently underway along Colbern Rd - rather than just lower this section of 10" bare steel main we would rather replace it prior to their landscaping. This main is on rectifier. This project is part of the bare steel main replacement program - ISRS.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800557	Repl 4185F 8S Colbern Feeder Main	Install 4185' of 8" HP STL. Abandon 4,194' of 10" STL - Colbern Rd. - A section of the bare steel main is exposed and most of the bare steel feeder main is too shallow. Commercial development is currently underway along Colbern Rd - rather than just lower this section of 10" bare steel main we would rather replace it prior to their landscaping. This main is on rectifier. This project is part of the bare steel main replacement program - ISRS.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800557	Repl 4185F 8S Colbern Feeder Main	Install 4185' of 8" HP STL. Abandon 4,194' of 10" STL - Colbern Rd. - A section of the bare steel main is exposed and most of the bare steel feeder main is too shallow. Commercial development is currently underway along Colbern Rd - rather than just lower this section of 10" bare steel main we would rather replace it prior to their landscaping. This main is on rectifier. This project is part of the bare steel main replacement program - ISRS.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800622	Repl w/ 5785F 2P 29th & Northern	Install 5785 Ft of 2PL IP Main - 29th & Northern Blvd. Abandon 3193 ft of 4LP ST Main, 2019 Ft of 2" LP ST Main, 238 Ft of 4LP PL Main, 105 Ft of 2LP PL Main. - This Main is being replaced as part of the bare steel main strategic replacement. Uprate is required as we will tie in to an IP system.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800622	Repl w/ 5785F 2P 29th & Northern	Install 5785 Ft of 2PL IP Main - 29th & Northern Blvd. Abandon 3193 ft of 4LP ST Main, 2019 Ft of 2" LP ST Main, 238 Ft of 4LP PL Main, 105 Ft of 2LP PL Main. - This Main is being replaced as part of the bare steel main strategic replacement. Uprate is required as we will tie in to an IP system.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800724	Repl w 2490F 2-4P 60th Terr & Elm	Install ~1815 Ft of 2" PL MP Main, ~675 Ft of 4" PL MP Main. - Abandon ~85 Ft of 2" PL MP Main, ~7 Ft of PL MP Main, ~1728 Ft of 2" ST MP Main, ~671 Ft of 4" ST MP Main Total Service Tie-overs= 30 This bare steel grid main replacement project will clear active leak 419978.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800724	Repl w 2490F 2-4P 60th Terr & Elm	Install ~1815 Ft of 2" PL MP Main, ~675 Ft of 4" PL MP Main. - Abandon ~85 Ft of 2" PL MP Main, ~7 Ft of PL MP Main, ~1728 Ft of 2" ST MP Main, ~671 Ft of 4" ST MP Main Total Service Tie-overs= 30 This bare steel grid main replacement project will clear active leak 419978.	Main Replacement - ISRS (S)	393.1009 (5) (a) (b)	A,B,C
800038	Main Replacemen due to CPs/iso Stee	Abandon 5,525' - 2" Steel due to multiple CP and isolated steel and replace with 7,625' 2" PE - South St & Faulkner in Marionville. - Project Location: Marionville; Pressure System: S-0006; MOP: 30 psig; MAOP: 30 psig; Design: 66 psig; Test: 100 psig; 47 - Services, ISRS \$35.71/ft (\$268,174.76)	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800038	Main Replacemen due to CPs/iso Stee	Abandon 5,525' - 2" Steel due to multiple CP and isolated steel and replace with 7,625' 2" PE - South St & Faulkner in Marionville. - Project Location: Marionville; Pressure System: S-0006; MOP: 30 psig; MAOP: 30 psig; Design: 66 psig; Test: 100 psig; 47 - Services, ISRS \$35.71/ft (\$268,174.76)	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800064	Repl w/ 3152F 2-4P 48th & Rangeline	Install 466 Ft of 2in PL IP, 2686 Ft of 4in PL MP and abandon 117 Ft of 1.25in PL IP main, 20 Ft of 3in PL IP, 15 Ft of 4 in PL IP, 100 Ft of 1in ST IP, 2790 Ft of 3 in ST IP, and 223 Ft of 12 in ST IP main in Leawood, Mo - 48th & Range Line. - Main being replaced due to cathodic protection - corrosion issues.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800064	Repl w/ 3152F 2-4P 48th & Rangeline	Install 466 Ft of 2in PL IP, 2686 Ft of 4in PL MP and abandon 117 Ft of 1.25in PL IP main, 20 Ft of 3in PL IP, 15 Ft of 4 in PL IP, 100 Ft of 1in ST IP, 2790 Ft of 3 in ST IP, and 223 Ft of 12 in ST IP main in Leawood, Mo - 48th & Range Line. - Main being replaced due to cathodic protection - corrosion issues.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800064	Repl w/ 3152F 2-4P 48th & Rangeline	Install 466 Ft of 2in PL IP, 2686 Ft of 4in PL MP and abandon 117 Ft of 1.25in PL IP main, 20 Ft of 3in PL IP, 15 Ft of 4 in PL IP, 100 Ft of 1in ST IP, 2790 Ft of 3 in ST IP, and 223 Ft of 12 in ST IP main in Leawood, Mo - 48th & Range Line. - Main being replaced due to cathodic protection - corrosion issues.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800064	Repl w/ 3152F 2-4P 48th & Rangeline	Install 466 Ft of 2in PL IP, 2686 Ft of 4in PL MP and abandon 117 Ft of 1.25in PL IP main, 20 Ft of 3in PL IP, 15 Ft of 4 in PL IP, 100 Ft of 1in ST IP, 2790 Ft of 3 in ST IP, and 223 Ft of 12 in ST IP main in Leawood, Mo - 48th & Range Line. - Main being replaced due to cathodic protection - corrosion issues.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800114	Webb City Ph1A Grid Bare Steel Rep	Install 1400 Ft of 4 in PL IP main for Webb City Phase 1A. Abandon 1282 Ft of 4 in PBS IP and 27 Ft of 4in PL IP main at the same location. Project includes 5 Service Tie-Over and 2 Abandonments. FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800114	Webb City Ph1A Grid Bare Steel Rep	Install 1400 Ft of 4 in PL IP main for Webb City Phase 1A. Abandon 1282 Ft of 4 in PBS IP and 27 Ft of 4in PL IP main at the same location. Project includes 5 Service Tie-Over and 2 Abandonments. FY16 Bare Steel Replacement Program. - 0	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800115	Webb City Phase 1B Grid Bare Steel	Install 2150 Ft of 4 in and 4450 Ft of 2 in PL IP main - Webb City Ph1B. Abandon 3467 Ft of 2 in PBS, 1585 Ft of 2 in PCS, 210 Ft of 3 in PBS, 732 Ft of 3 in PCS, 1029 Ft of 4 in PBS, 19 Ft of 4 in PCS, 57 Ft of 2 in PL, and 91 Ft of 4 in PL LP. - Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program. Per Alison Spalding the Estimate and the As Built are properly reflected with a difference in footage of 2010 Feet.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800115	Webb City Phase 1B Grid Bare Steel	Install 2150 Ft of 4 in and 4450 Ft of 2 in PL IP main - Webb City Ph1B. Abandon 3467 Ft of 2 in PBS, 1585 Ft of 2 in PCS, 210 Ft of 3 in PBS, 732 Ft of 3 in PCS, 1029 Ft of 4 in PBS, 19 Ft of 4 in PCS, 57 Ft of 2 in PL, and 91 Ft of 4 in PL LP. - Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program. Per Alison Spalding the Estimate and the As Built are properly reflected with a difference in footage of 2010 Feet.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800115	Webb City Phase 1B Grid Bare Steel	Install 2150 Ft of 4 in and 4450 Ft of 2 in PL IP main - Webb City Ph1B. Abandon 3467 Ft of 2 in PBS, 1585 Ft of 2 in PCS, 210 Ft of 3 in PBS, 732 Ft of 3 in PCS, 1029 Ft of 4 in PBS, 19 Ft of 4 in PCS, 57 Ft of 2 in PL, and 91 Ft of 4 in PL LP. - Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program. Per Alison Spalding the Estimate and the As Built are properly reflected with a difference in footage of 2010 Feet.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800115	Webb City Phase 1B Grid Bare Steel	Install 2150 Ft of 4 in and 4450 Ft of 2 in PL IP main - Webb City Ph1B. Abandon 3467 Ft of 2 in PBS, 1585 Ft of 2 in PCS, 210 Ft of 3 in PBS, 732 Ft of 3 in PCS, 1029 Ft of 4 in PBS, 19 Ft of 4 in PCS, 57 Ft of 2 in PL, and 91 Ft of 4 in PL LP. - Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program. Per Alison Spalding the Estimate and the As Built are properly reflected with a difference in footage of 2010 Feet.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800116	Webb City Phase 1C Grid Bare Steel	Install 2405 Ft of 2 in and 2275 Ft of 4 in PL IP main for Webb City Ph 1C. Abandon 595 Ft of 3 in PBS, 2753 Ft of 3 in PCS, 80 Ft of 3 in PL, and 1243 Ft of 4 in PCS LP main. - Uprate ~240' of 1-1/4" PL LP, ~ 750' of 2" PL LP, and ~1071' of 3" PL LP main to IP. Total Service Estimate: 47 Service Tie-Over, 4 Service Replacements, 6 Service Abandons and 23 Service Upgrades. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program. Per Alison Spalding the Estimate and the As Built are properly reflected with a difference in footage of 790 Feet.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800116	Webb City Phase 1C Grid Bare Steel	Install 2405 Ft of 2 In and 2275 Ft of 4 in PL IP main for Webb City Ph 1C. Abandon 595 Ft of 3 in PBS, 2753 Ft of 3 in PCS, 80 Ft of 3 in PL, and 1243 Ft of 4 in PCS LP main. - Uprate ~240' of 1-1/4" PL LP, ~ 750' of 2" PL LP, and ~1071' of 3" PL LP main to IP. Total Service Estimate: 47 Service Tie-Over, 4 Service Replacements, 6 Service Abandons and 23 Service Upgrades. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program. Per Alison Spalding the Estimate and the As Built are properly reflected with a difference in footage of 790 Feet.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800163	Webb City Phase 1D Bare Steel Repla	Install 5455 Ft of 2 in PL IP main for Webb City Phase 1D. Abandon 97 Ft of 1-1/4 in and 262 Ft of 2 in PL, 785 Ft of 2 in and 748 Ft of 3 in PBS, 2227 Ft of 2 in, 1435 Ft of 3 in and 191 Ft of 4 in PCS (Majority poorly coated) LP - Uprate ~525' of 2" PL LP main on Mineral St to IP. Total Service Estimate: 71 Service Tie-Over, 3 Service Replacements, 14 Service Upgrades and 7 Service Abandons. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800163	Webb City Phase 1D Bare Steel Repla	Install 5455 Ft of 2 in PL IP main for Webb City Phase 1D. Abandon 97 Ft of 1-1/4 in and 262 Ft of 2 in PL, 785 Ft of 2 in and 748 Ft of 3 in PBS, 2227 Ft of 2 in, 1435 Ft of 3 in and 191 Ft of 4 in PCS (Majority poorly coated) LP - Uprate ~525' of 2" PL LP main on Mineral St to IP. Total Service Estimate: 71 Service Tie-Over, 3 Service Replacements, 14 Service Upgrades and 7 Service Abandons. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800163	Webb City Phase 1D Bare Steel Repla	Install 5455 Ft of 2 in PL IP main for Webb City Phase 1D. Abandon 97 Ft of 1-1/4 in and 262 Ft of 2 in PL, 785 Ft of 2 in and 748 Ft of 3 in PBS, 2227 Ft of 2 in, 1435 Ft of 3 in and 191 Ft of 4 in PCS (Majority poorly coated) LP - Uprate ~525' of 2" PL LP main on Mineral St to IP. Total Service Estimate: 71 Service Tie-Over, 3 Service Replacements, 14 Service Upgrades and 7 Service Abandons. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800163	Webb City Phase 1D Bare Steel Repla	Install 5455 Ft of 2 in PL IP main for Webb City Phase 1D. Abandon 97 Ft of 1-1/4 in and 262 Ft of 2 in PL, 785 Ft of 2 in and 748 Ft of 3 in PBS, 2227 Ft of 2 in, 1435 Ft of 3 in and 191 Ft of 4 in PCS (Majority poorly coated) LP - Uprate ~525' of 2" PL LP main on Mineral St to IP. Total Service Estimate: 71 Service Tie-Over, 3 Service Replacements, 14 Service Upgrades and 7 Service Abandons. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800178	Webb City Phase 1E Grid Repl	Install 4495 Ft of 2In PL IP main for Webb City Phase 1E. Abandon 204 Ft of 2 in PL, 446 Ft of 4 in PL,105 Ft of 1-1/4 in, 2489 Ft of 2 in and 408 Ft of 4 in PCS (Majority poorly coated),360 Ft of 3 in and 870 Ft of 4 in PBS LP main. - Total Service Estimate: 82 Service Tie-Over, 2 Service Replacements, and 23 Service Abandonments. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800178	Webb City Phase 1E Grid Repl	Install 4495 Ft of 2In PL IP main for Webb City Phase 1E. Abandon 204 Ft of 2 in PL, 446 Ft of 4 in PL,105 Ft of 1-1/4 in, 2489 Ft of 2 in and 408 Ft of 4 in PCS (Majority poorly coated),360 Ft of 3 in and 870 Ft of 4 in PBS LP main. - Total Service Estimate: 82 Service Tie-Over, 2 Service Replacements, and 23 Service Abandonments. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800178	Webb City Phase 1E Grid Repl	Install 4495 Ft of 2in PL IP main for Webb City Phase 1E. Abandon 204 Ft of 2 in PL, 446 Ft of 4 in PL,105 Ft of 1-1/4 in, 2489 Ft of 2 in and 408 Ft of 4 in PCS (Majority poorly coated),360 Ft of 3 in and 870 Ft of 4 in PBS LP main. - Total Service Estimate: 82 Service Tie-Over, 2 Service Replacements, and 23 Service Abandonments. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800178	Webb City Phase 1E Grid Repl	Install 4495 Ft of 2In PL IP main for Webb City Phase 1E. Abandon 204 Ft of 2 in PL, 446 Ft of 4 in PL,105 Ft of 1-1/4 in, 2489 Ft of 2 in and 408 Ft of 4 in PCS (Majority poorly coated),360 Ft of 3 in and 870 Ft of 4 in PBS LP main. - Total Service Estimate: 82 Service Tie-Over, 2 Service Replacements, and 23 Service Abandonments. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800179	Webb City Phase 1F Grid Repl	Inst 2740ft of 2in, 415ft of 4in, and 925ft of 6in PL IP main for Webb City Phase 1F. Abdn 362ft of 2in, 42ft of 4in and 5ft of 6in PL, 802ft of 2in and 902ft of 6in PBS, 163ft of 2in, 2165ft of 3in and 302ft of 4in PCS (majority poorly coated). - Uprate ~801' of 2" PL LP, ~180' of 3" PL LP, and ~ 2926' of 4" PL LP main to IP on College St, Daugherty St, N Ash St, and N Oak St. Total Service Estimate: 50 Service Tie-Overs, 20 Service upgrades and 4 Service Abandons. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800179	Webb City Phase 1F Grid Repl	Inst 2740ft of 2in, 415ft of 4in, and 925ft of 6in PL IP main for Webb City Phase 1F. Abdn 362ft of 2in, 42ft of 4in and 5ft of 6in PL, 802ft of 2in and 902ft of 6in PBS, 163ft of 2in, 2165ft of 3in and 302ft of 4in PCS (majority poorly coated). - Uprate ~801' of 2" PL LP, ~180' of 3" PL LP, and ~ 2926' of 4" PL LP main to IP on College St, Daugherty St, N Ash St, and N Oak St. Total Service Estimate: 50 Service Tie-Overs, 20 Service upgrades and 4 Service Abandons. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800179	Webb City Phase 1F Grid Repl	Inst 2740ft of 2in, 415ft of 4in, and 925ft of 6in PL IP main for Webb City Phase 1F. Abdn 362ft of 2in, 42ft of 4in and 5ft of 6in PL, 802ft of 2in and 902ft of 6in PBS, 163ft of 2in, 2165ft of 3in and 302ft of 4in PCS (majority poorly coated). - Uprate ~801' of 2" PL LP, ~180' of 3" PL LP, and ~ 2926' of 4" PL LP main to IP on College St, Daugherty St, N Ash St, and N Oak St. Total Service Estimate: 50 Service Tie-Overs, 20 Service upgrades and 4 Service Abandons. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800179	Webb City Phase 1F Grid Repl	Inst 2740ft of 2in, 415ft of 4in, and 925ft of 6in PL IP main for Webb City Phase 1F. Abdn 362ft of 2in, 42ft of 4in and 5ft of 6in PL, 802ft of 2in and 902ft of 6in PBS, 163ft of 2in, 2165ft of 3in and 302ft of 4in PCS (majority poorly coated). - Uprate ~801' of 2" PL LP, ~180' of 3" PL LP, and ~ 2926' of 4" PL LP main to IP on College St, Daugherty St, N Ash St, and N Oak St. Total Service Estimate: 50 Service Tie-Overs, 20 Service upgrades and 4 Service Abandons. Main is being replaced as part of the FY 2016 Bare Steel Main Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800194	Repl w/ 865F 4P 26th & Jackson	Install 865 Ft of 4in PL IP on 26th Street. Abandon 50 Ft of 2PL LP main, 350 Ft 2in ST LP main and 602 Ft 3in ST LP main along 26th Street. Abandon existing Reg Station 01-52-C to eliminate LP main. - This main is being replaced as part of the FY16 Bare Steel Replacement Program	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800235	CP15-042 and Bare Steel 4" Main Rep	Replace 1598ft 4in PBS & 124ft 4in PE with 1895ft 4in PE from 18th to 23rd along Conner Ave due to CP issues (CP 15-042). - Segment of System C-002 will be Uprated to System C-1 as part of this replacement. Project Location: Connor Ave between 18th St & 23st St. System: C-2. MOP: 1.5 PSIG. MAOP: 1.5 PSIG. Design: 66 PSIG. Test: 100 PSIG and System C-1 MOP: 58 MAOP: 58 Test: 66 Design: 100 Price Per Foot:\$73.44 (\$139,170.17)	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800235	CP15-042 and Bare Steel 4" Main Rep	Replace 1598ft 4in PBS & 124ft 4in PE with 1895ft 4in PE from 18th to 23rd along Conner Ave due to CP issues (CP 15-042). - Segment of System C-002 will be Uprated to System C-1 as part of this replacement. Project Location: Connor Ave between 18th St & 23st St. System: C-2. MOP: 1.5 PSIG. MAOP: 1.5 PSIG. Design: 66 PSIG. Test: 100 PSIG and System C-1 MOP: 58 MAOP: 58 Test: 66 Design: 100 Price Per Foot:\$73.44 (\$139,170.17)	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800386	Repl w/ 1533F 2P Hwy 37 & Walnut	Install 1533 Ft of 2 PL IP main on Commercial St and Elm St. Abandon 396 Ft of 2 in ST and 1131 Ft of 4 in ST LP main on Front and Elm St. - This main is being replaced as part of FY16 Bare Steel Replacement Program and is needed due to low reads (.850 and lower). Crews cannot keep readings above .850.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800386	Repl w/ 1533F 2P Hwy 37 & Walnut	Install 1533 Ft of 2 PL IP main on Commercial St and Elm St. Abandon 396 Ft of 2 in ST and 1131 Ft of 4 in ST LP main on Front and Elm St. - This main is being replaced as part of FY16 Bare Steel Replacement Program and is needed due to low reads (.850 and lower). Crews cannot keep readings above .850.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800388	Repl w/ 800F 2P Carnation Dr	Install 800 Ft of 2 in PL IP main on Carnation Dr. Abandon 778 Ft of 2 in ST IP Main at the above location. - This main is being abandoned as part of FY16 Bare Steel Replacement Program and will clear class 3 leak at 507 Carnation.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800388	Repl w/ 800F 2P Carnation Dr	Install 800 Ft of 2 in PL IP main on Carnation Dr. Abandon 778 Ft of 2 in ST IP Main at the above location. - This main is being abandoned as part of FY16 Bare Steel Replacement Program and will clear class 3 leak at 507 Carnation.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800391	Repl w/ 88F 2P 2nd & Broadway	Install 88 Ft of 2 in PL LP Main at 2nd St and Broadway St. Abandon 90 Ft of 2 in ST LP Main at above location. - Main being replaced due to cathodic protection - corrosion issues.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800391	Repl w/ 88F 2P 2nd & Broadway	Install 88 Ft of 2 in PL LP Main at 2nd St and Broadway St. Abandon 90 Ft of 2 in ST LP Main at above location. - Main being replaced due to cathodic protection - corrosion issues.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800403	Repl w/ 740F 2P 3rd and McKinley	Install 740 Ft of 2 in PL LP main on McKinley Ave in between W 1st St and W 3rd St. Abandon 10 Ft of 2 in PL, 814 Ft of 2 in ST and 5 Ft of 3 in ST main. - This main is being replaced due to failed CP reads and is part of the bare steel replacement program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800403	Repl w/ 740F 2P 3rd and McKinley	Install 740 Ft of 2 in PL LP main on McKinley Ave in between W 1st St and W 3rd St. Abandon 10 Ft of 2 in PL, 814 Ft of 2 in ST and 5 Ft of 3 in ST main. - This main is being replaced due to failed CP reads and is part of the bare steel replacement program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800408	Repl w 455F 2P Kansas Ave & 18th	Install ~455 Ft of 2 in PL MP main on Kansas Ave and 18th Street in Joplin. - Abandon ~384 Ft of 2 in ST MP main and 58 Ft of 3 in ST MP main at the above locations. Total Service Tie Overs = 2. ISRS - Replace due to CP 15-092.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800408	Repl w 455F 2P Kansas Ave & 18th	Install ~455 Ft of 2 in PL MP main on Kansas Ave and 18th Street in Joplin. - Abandon ~384 Ft of 2 in ST MP main and 58 Ft of 3 in ST MP main at the above locations. Total Service Tie Overs = 2. ISRS - Replace due to CP 15-092.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800408	Repl w 455F 2P Kansas Ave & 18th	Install ~455 Ft of 2 in PL MP main on Kansas Ave and 18th Street in Joplin. - Abandon ~384 Ft of 2 in ST MP main and 58 Ft of 3 in ST MP main at the above locations. Total Service Tie Overs = 2. ISRS - Replace due to CP 15-092.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800714	Repl w 2748F 2-4P Monett Phase 1B	Install 1416 ft of 2 in PL IP main and 1332 Ft of 4 in PL IP main on 10th St, 11th St, Bond St, 9th St, Broadway St, and 13th St. - Abandon 10 Ft pf 1 1/4 in PL main, 483 Ft of 2 in PL main, 2695 Ft of 2 in ST main, 118 Ft of 4 in ST main at the above locations. Total Service Tie-over = 22; Total Service Abandoned = 8; Total Service Replace = 6. This main is being abandoned as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800714	Repl w 2748F 2-4P Monett Phase 1B	Install 1416 ft of 2 in PL IP main and 1332 Ft of 4 in PL IP main on 10th St, 11th St, Bond St, 9th St, Broadway St, and 13th St. - Abandon 10 Ft pf 1 1/4 in PL main, 483 Ft of 2 in PL main, 2695 Ft of 2 in ST main, 118 Ft of 4 in ST main at the above locations. Total Service Tie-over = 22; Total Service Abandoned = 8; Total Service Replace = 6. This main is being abandoned as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800817	Repl w 194F 2P 5th & St. Louis	Install ~ 194 Ft of 2 in PL LP main on St Louis Ave and 5th St. - Abandon ~ 82 Ft of 2 in PL LP main, ~ 495 Ft of 2 in ST LP main at the above locations. This main is being replaced due to CP deficiencies and as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
800817	Repl w 194F 2P 5th & St. Louis	Install ~ 194 Ft of 2 in PL LP main on St Louis Ave and 5th St. - Abandon ~ 82 Ft of 2 in PL LP main, ~ 495 Ft of 2 in ST LP main at the above locations. This main is being replaced due to CP deficiencies and as part of FY16 Bare Steel Replacement Program.	Main Replacement - ISRS (SW)	393.1009 (5) (a) (b)	A,B,C
007396	12th St and Geneva Ave PBS Replacem	12th St and Geneva Ave PBS Replacement: Joplin: Replace Bare Steel Main - 3760 Safety Related (34-394) - Approved by: Steve Holcomb on 01/12/2015, Replace 58' of 2" PE (WO's 058815 & LK950481), 1720' of 2" PBS (WO's None, 49956, 50435, 50482, & 640487), and 550' of 2" PCS (WO's 780232, 630297, 640487, & E399523) with 2225' of 2" PE due to 2 active leaks (10-0174 & 12-0015), 5 repaired leaks, and isolated steel main. Project Location: Alley between Range Line Rd & Peters Ave, between 11th & 12th St. System: C-1. MOP: 58 PSIG. MAOP: 58 PSIG. Design: 58 PSIG. Test: 100 PSIG. Price Per Foot: \$41.02. ISRS	Replace bare steel main - safety re	393.1009 (5) (a) (b)	A,B,C
008133	8th St and Virginia Ave 3in PBS Mai	8th St and Virginia Ave 3in PBS Main Replacement: Joplin: Replace Bare Steel Main - 3760 Safety Related (34-394) - Approved by: Kevin Driskell on 04/03/2015, Replace 454' 2" PCS (WO 633945), 616' 3" PBS (WO None), 780' 4" PBS (WO None), 10' 2" PE (WO 881521), & 15' 4" PE (WO's 986399 & 096102) with 140' 2" PE & 1755' 4" PE due to low reads, CP issues (CP# 14-0132), & 8 repaired leaks. Project Location: 8th St & Virginia Ave. System: C-2. MOP: 1.5 PSIG. MAOP: 1.5 PSIG. Design: 58 PSIG. Test: 100 PSIG. Price Per Foot: \$52.77. ISRS	Replace bare steel main - safety re	393.1009 (5) (a) (b)	A,B,C

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
008133	8th St and Virginia Ave 3in PBS Mai	8th St and Virginia Ave 3in PBS Main Replacement: Joplin: Replace Bare Steel Main - 3760 Safety Related (34-394) - Approved by: Kevin Driskell on 04/03/2015, Replace 454' 2" PCS (WO 633945), 616' 3" PBS (WO None), 780' 4" PBS (WO None), 10' 2" PE (WO 881521), & 15' 4" PE (WO's 986399 & 096102) with 140' 2" PE & 1755' 4" PE due to low reads, CP issues (CP# 14-0132), & 8 repaired leaks. Project Location: 8th St & Virginia Ave. System: C-2. MOP: 1.5 PSIG. MAOP: 1.5 PSIG. Design: 58 PSIG. Test: 100 PSIG. Price Per Foot: \$52.77. ISRS	Replace bare steel main - safety re	393.1009 (5) (a) (b)	A,B,C
009248	Grandview Repl Phase 4	Grandview Repl Phase 4: Grandview: Replace Bare Steel Main - 3760 Safety Related (34-394) - Approved by: Joe Hampton on 08/27/2015, ISRS Replace and abandon a total of 6,392 4" PBS and 1504' of 2" PBS with 8394' of PE. Services to be replaced are to be charged to a service replacement blanket work order. 115 tieovers are to be performed. A tailgate meeting will need to be scheduled for tie in and abandonment procedures. Pressure system C-026.	Replace bare steel main - safety re	393.1009 (5) (a) (b)	A,B,C
009248	Grandview Repl Phase 4	Grandview Repl Phase 4: Grandview: Replace Bare Steel Main - 3760 Safety Related (34-394) - Approved by: Joe Hampton on 08/27/2015, ISRS Replace and abandon a total of 6,392 4" PBS and 1504' of 2" PBS with 8394' of PE. Services to be replaced are to be charged to a service replacement blanket work order. 115 tieovers are to be performed. A tailgate meeting will need to be scheduled for tie in and abandonment procedures. Pressure system C-026.	Replace bare steel main - safety re	393.1009 (5) (a) (b)	A,B,C
007500	PCS Main Replacement	PCS Main Replacement: Joplin: Replace Coated Steel & Plastic Main - 3760 (34-396) - Approved by: Michael Fornelli on 01/26/2015, Replace 259' of 3" PCS (WO 744151) with 260' 4" PE due to cathodic protections issues. Project Location: 31st St. between Main St. & Virginia Ave. System: C-2. MOP: 1.5 PSIG. MAOP: 1.5 PSIG. Design: 58 PSIG. Test: 100 PSIG. Price Per Foot: \$66.22.	Replace steel & plastic main	393.1009 (5) (a) (b)	A,B,C
007500	PCS Main Replacement	PCS Main Replacement: Joplin: Replace Coated Steel & Plastic Main - 3760 (34-396) - Approved by: Michael Fornelli on 01/26/2015, Replace 259' of 3" PCS (WO 744151) with 260' 4" PE due to cathodic protections issues. Project Location: 31st St. between Main St. & Virginia Ave. System: C-2. MOP: 1.5 PSIG. MAOP: 1.5 PSIG. Design: 58 PSIG. Test: 100 PSIG. Price Per Foot: \$66.22.	Replace steel & plastic main	393.1009 (5) (a) (b)	A,B,C
003816	BWO SERVICE LINE LEAK RESPONSIVE	BWO SERVICE LINE LEAK RESPONSIVE COMP - Service/Yard Line Replacement (SLRP): Company Crew. Immediate response - replacement single unprotected steel or copper (Kansas City - Central Region)	SLRP - immediate response - company	393.1009 (5) (a) (b)	A,B,C,I
003816	BWO SERVICE LINE LEAK RESPONSIVE	BWO SERVICE LINE LEAK RESPONSIVE COMP - Service/Yard Line Replacement (SLRP): Company Crew. Immediate response - replacement single unprotected steel or copper (Kansas City - Central Region)	SLRP - immediate response - company	393.1009 (5) (a) (b)	A,B,C,I
004609	BWO MATERIAL SERV LINE REPL COMP	BWO MATERIAL SERV LINE REPL COMP - Service/Yard Line Replacement (SLRP): Company Crew. Service/yard line replacement - Material Charges Only (Lee's Summit - East Region)	SLRP - materials - company crews	393.1009 (5) (a) (b)	A,B,C,I
004609	BWO MATERIAL SERV LINE REPL COMP	BWO MATERIAL SERV LINE REPL COMP - Service/Yard Line Replacement (SLRP): Company Crew. Service/yard line replacement - Material Charges Only (Lee's Summit - East Region)	SLRP - materials - company crews	393.1009 (5) (a) (b)	A,B,C,I
004279	BWO SERVICE LINE MATERIAL CONTRACTO	BWO SERVICE LINE MATERIAL CONTRACTOR SLRP - Service/Yard Line Replacement (SLRP): Contract Crew. Service/yard line replacement - Material Charges Only (Kansas City - Central Region)	SLRP - materials - contract	393.1009 (5) (a) (b)	A,B,C,I
004279	BWO SERVICE LINE MATERIAL CONTRACTO	BWO SERVICE LINE MATERIAL CONTRACTOR SLRP - Service/Yard Line Replacement (SLRP): Contract Crew. Service/yard line replacement - Material Charges Only (Kansas City - Central Region)	SLRP - materials - contract	393.1009 (5) (a) (b)	A,B,C,I
004287	BWO MATERIAL SERV LINE REPL CONT	BWO MATERIAL SERV LINE REPL CONT - Service/Yard Line Replacement (SLRP): Contract Crew. Service/yard line replacement - Material Charges Only (Lee's Summit - East Region)	SLRP - materials - contract	393.1009 (5) (a) (b)	A,B,C,I
004287	BWO MATERIAL SERV LINE REPL CONT	BWO MATERIAL SERV LINE REPL CONT - Service/Yard Line Replacement (SLRP): Contract Crew. Service/yard line replacement - Material Charges Only (Lee's Summit - East Region)	SLRP - materials - contract	393.1009 (5) (a) (b)	A,B,C,I
004600	BWO SERVICE LINE REPL MODIFIED BLOC	BWO SERVICE LINE REPL MODIFIED BLOCK CONT - Service/Yard Line Replacement (SLRP): Contract Crew. Modified Block by Block - Planned replacement of unprotected steel or copper (Joplin - South Region)	SLRP - modified block by block - co	393.1009 (5) (a) (b)	A,B,C,I
004600	BWO SERVICE LINE REPL MODIFIED BLOC	BWO SERVICE LINE REPL MODIFIED BLOCK CONT - Service/Yard Line Replacement (SLRP): Contract Crew. Modified Block by Block - Planned replacement of unprotected steel or copper (Joplin - South Region)	SLRP - modified block by block - co	393.1009 (5) (a) (b)	A,B,C,I

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
008790	4in PCS Relocation	4in PCS Relocation: Kansas City-Rural: Relocate for Street & Highway-Public Improvements (44-388) - Approved by: Gary Williams on 06/25/2015, Relocate approximately 485' of 4" PCS due to public improvement. There will be a major cut in grade as well as street realignment. Coordinate with engineering to ensure everything is staked accordingly before construction. Will need a MODOT permit. Pressure system S-145.	Street & Highway Relocates ISRS (N)	393.1009 (5) (C)	
008891	Inlet and Outlet Piping to DRS 763	Inlet and Outlet Piping to DRS 763: Kansas City-Jackson: Relocate for Street & Highway-Public Improvements (44-388) - Approved by: Gary Williams on 07/07/2015, ISRS Inlet and Outlet piping for relocated DRS 103 from 51st and Brookside to 51st and Wyandotte (new DRS 763), a new right hand turn lane will be installed at the existing location of DRS 103 which is in a vault.	Street & Highway Relocates ISRS (N)	393.1009 (5) (C)	
008891	Inlet and Outlet Piping to DRS 763	Inlet and Outlet Piping to DRS 763: Kansas City-Jackson: Relocate for Street & Highway-Public Improvements (44-388) - Approved by: Gary Williams on 07/07/2015, ISRS Inlet and Outlet piping for relocated DRS 103 from 51st and Brookside to 51st and Wyandotte (new DRS 763), a new right hand turn lane will be installed at the existing location of DRS 103 which is in a vault.	Street & Highway Relocates ISRS (N)	393.1009 (5) (C)	
008891	Inlet and Outlet Piping to DRS 763	Inlet and Outlet Piping to DRS 763: Kansas City-Jackson: Relocate for Street & Highway-Public Improvements (44-388) - Approved by: Gary Williams on 07/07/2015, ISRS Inlet and Outlet piping for relocated DRS 103 from 51st and Brookside to 51st and Wyandotte (new DRS 763), a new right hand turn lane will be installed at the existing location of DRS 103 which is in a vault.	Street & Highway Relocates ISRS (N)	393.1009 (5) (C)	
800144	Hwy 71 and Gregory Grid Repl Ph D	Install 3356ft of 2in PE and 1596ft of 4in PE to replace existing CI main - Hwy 71 & Gregory Grid Ph D. Abandon 682ft of 12in CI, 1483ft of 6in CI, 1938ft of 4in CI, and 158ft of 2in Bare STL. Strategic CI Replacement. - 15 Service Replacements, 13 Service upgrades, and 52 service tie overs	Street & Highway Relocates ISRS (N)	393.1009 (5) (C)	
800144	Hwy 71 and Gregory Grid Repl Ph D	Install 3356ft of 2in PE and 1596ft of 4in PE to replace existing CI main - Hwy 71 & Gregory Grid Ph D. Abandon 682ft of 12in CI, 1483ft of 6in CI, 1938ft of 4in CI, and 158ft of 2in Bare STL. Strategic CI Replacement. - 15 Service Replacements, 13 Service upgrades, and 52 service tie overs	Street & Highway Relocates ISRS (N)	393.1009 (5) (C)	
800385	Rel w/ 2320F 2P 22nd&23rd St-Wabash	Install 2320 ft of 2 in MP PE main, 886 ft of 4 in MP PE main and 1872 ft of 6 in MP PE main. Abandon 721 ft of 12 in MP CI main, 30 ft of 8 in LP CI main, 2858 ft of 6 in LP CI main, 807 ft of 4 in LP CI. - 0	Street & Highway Relocates ISRS (N)	393.1009 (5) (C)	
800385	Rel w/ 2320F 2P 22nd&23rd St-Wabash	Install 2320 ft of 2 in MP PE main, 886 ft of 4 in MP PE main and 1872 ft of 6 in MP PE main. Abandon 721 ft of 12 in MP CI main, 30 ft of 8 in LP CI main, 2858 ft of 6 in LP CI main, 807 ft of 4 in LP CI. - 0	Street & Highway Relocates ISRS (N)	393.1009 (5) (C)	
800385	Rel w/ 2320F 2P 22nd&23rd St-Wabash	Install 2320 ft of 2 in MP PE main, 886 ft of 4 in MP PE main and 1872 ft of 6 in MP PE main. Abandon 721 ft of 12 in MP CI main, 30 ft of 8 in LP CI main, 2858 ft of 6 in LP CI main, 807 ft of 4 in LP CI. - 0	Street & Highway Relocates ISRS (N)	393.1009 (5) (C)	
800385	Rel w/ 2320F 2P 22nd&23rd St-Wabash	Install 2320 ft of 2 in MP PE main, 886 ft of 4 in MP PE main and 1872 ft of 6 in MP PE main. Abandon 721 ft of 12 in MP CI main, 30 ft of 8 in LP CI main, 2858 ft of 6 in LP CI main, 807 ft of 4 in LP CI. - 0	Street & Highway Relocates ISRS (N)	393.1009 (5) (C)	
800416	N Amity Ave main relocation	Install 508' of 2" PE IP main on N Amity Ave. Abandon 500' of 2" STL IP main. This project is due to curb inlet box and street approach. - 0	Street & Highway Relocates ISRS (N)	393.1009 (5) (C)	
800567	Rel w/ 450F 12S Illinois Ave	Install 450ft of 12ST main on Illinois Ave at Stockyards Expressway in St. Joe, MO for a public improvement project. Abandon 450 ft of 12ST main at above location. Tie-over 1 service. - 0	Street & Highway Relocates ISRS (N)	393.1009 (5) (C)	
800567	Rel w/ 450F 12S Illinois Ave	Install 450ft of 12ST main on Illinois Ave at Stockyards Expressway in St. Joe, MO for a public improvement project. Abandon 450 ft of 12ST main at above location. Tie-over 1 service. - 0	Street & Highway Relocates ISRS (N)	393.1009 (5) (C)	

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800030	Relocate 2" & 3" Steel - Route 7 fr	Install 1879 ft of 2 in PE on Mechanic St (Route 7) between Bradley and Edgevale & north on Bradley from Mechanic to Wall St., south on Eastwood to the tie-in, North on King to the tie-in & south on Edgevale to the tie-in in Harrisonville. - Abandon 158 ft of 2 in PE, 441 ft of 2 in Steel, 1075 ft of 3 in Steel and 135 ft of 4 in PE. Main on Mechanic is in conflict with proposed sewer and road improvements by the Missouri Department of Transportation. 2 in Main to be replaced on Bradley is bare steel. There is both bare and coated 3 in steel main on Mechanic and Edgevale. Work is not reimbursable. Work is ISRS recoverable. MODOT PERMIT REQUIRED.	Street & Highway Relocates ISRS (S)	393.1009 (5) (C)	
800030	Relocate 2" & 3" Steel - Route 7 fr	Install 1879 ft of 2 in PE on Mechanic St (Route 7) between Bradley and Edgevale & north on Bradley from Mechanic to Wall St., south on Eastwood to the tie-in, North on King to the tie-in & south on Edgevale to the tie-in in Harrisonville. - Abandon 158 ft of 2 in PE, 441 ft of 2 in Steel, 1075 ft of 3 in Steel and 135 ft of 4 in PE. Main on Mechanic is in conflict with proposed sewer and road improvements by the Missouri Department of Transportation. 2 in Main to be replaced on Bradley is bare steel. There is both bare and coated 3 in steel main on Mechanic and Edgevale. Work is not reimbursable. Work is ISRS recoverable. MODOT PERMIT REQUIRED.	Street & Highway Relocates ISRS (S)	393.1009 (5) (C)	
800032	Relocate 3in & 4i Steel Rt 7 fro	Install 1229 ft of 4 in PE on Mechanic St (Route 7) between Lexington and Lake and north on Marler from Mechanic to Wall St. in Harrisonville, MO. Abandon 40 ft of 4 in PE, 883 ft of 3 in bare steel, and 315 ft of 4 in steel. - Main on Mechanic is in conflict with proposed sewer and road improvements by the Missouri Department of Transportation. Main to be replaced on Marler is bare steel. Work is not reimbursable. Work is ISRS recoverable. MODOT PERMIT REQUIRED.	Street & Highway Relocates ISRS (S)	393.1009 (5) (C)	
800032	Relocate 3in & 4i Steel Rt 7 fro	Install 1229 ft of 4 in PE on Mechanic St (Route 7) between Lexington and Lake and north on Marler from Mechanic to Wall St. in Harrisonville, MO. Abandon 40 ft of 4 in PE, 883 ft of 3 in bare steel, and 315 ft of 4 in steel. - Main on Mechanic is in conflict with proposed sewer and road improvements by the Missouri Department of Transportation. Main to be replaced on Marler is bare steel. Work is not reimbursable. Work is ISRS recoverable. MODOT PERMIT REQUIRED.	Street & Highway Relocates ISRS (S)	393.1009 (5) (C)	
800032	Relocate 3in & 4i Steel Rt 7 fro	Install 1229 ft of 4 in PE on Mechanic St (Route 7) between Lexington and Lake and north on Marler from Mechanic to Wall St. in Harrisonville, MO. Abandon 40 ft of 4 in PE, 883 ft of 3 in bare steel, and 315 ft of 4 in steel. - Main on Mechanic is in conflict with proposed sewer and road improvements by the Missouri Department of Transportation. Main to be replaced on Marler is bare steel. Work is not reimbursable. Work is ISRS recoverable. MODOT PERMIT REQUIRED.	Street & Highway Relocates ISRS (S)	393.1009 (5) (C)	
800032	Relocate 3in & 4i Steel Rt 7 fro	Install 1229 ft of 4 in PE on Mechanic St (Route 7) between Lexington and Lake and north on Marler from Mechanic to Wall St. in Harrisonville, MO. Abandon 40 ft of 4 in PE, 883 ft of 3 in bare steel, and 315 ft of 4 in steel. - Main on Mechanic is in conflict with proposed sewer and road improvements by the Missouri Department of Transportation. Main to be replaced on Marler is bare steel. Work is not reimbursable. Work is ISRS recoverable. MODOT PERMIT REQUIRED.	Street & Highway Relocates ISRS (S)	393.1009 (5) (C)	
800189	Rel w/ 2515F 4P Tudor Rd Ph2	Relocate and abandon 2,250' - 2PE Main (2001), 22' - 4PE Main (1986) and 167' 4PE Main by installing 2,515' 4PE Main to allow the City to widen Tudor Road and install new storm structures. - 0	Street & Highway Relocates ISRS (S)	393.1009 (5) (C)	
800189	Rel w/ 2515F 4P Tudor Rd Ph2	Relocate and abandon 2,250' - 2PE Main (2001), 22' - 4PE Main (1986) and 167' 4PE Main by installing 2,515' 4PE Main to allow the City to widen Tudor Road and install new storm structures. - 0	Street & Highway Relocates ISRS (S)	393.1009 (5) (C)	
800397	Rel w/ 2064F 2-6P 18th & Evanston	Install 1609 ft of 2 inch PE and 455 ft of 6 inch PE on Overton, Evanston and Arlington from Arlington and Evanston south to 16th St. Abandon 148 ft of 2in PL, 1451 ft of 2in BS, 340 ft of 4in BS, & 340 ft of 6in BS. - Main is in conflict with City of Independence sewer improvements. Work is not reimbursable. Work is ISRS recoverable.	Street & Highway Relocates ISRS (S)	393.1009 (5) (C)	

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800397	Rel w/ 2064F 2-6P 18th & Evanston	Install 1609 ft of 2 inch PE and 455 ft of 6 inch PE on Overton, Evanston and Arlington from Arlington and Evanston south to 16th St. Abandon 148 ft of 2in PL, 1451 ft of 2in BS, 340 ft of 4in BS, & 340 ft of 6in BS. - Main is in conflict with City of Independence sewer improvements. Work is not reimbursable. Work is ISRS recoverable.	Street & Highway Relocates ISRS (S)	393.1009 (5) (C)	
800574	Rel w/ 160F 8S Feeder Main	Install 160' - 8" Coated Steel main and abandon 150' - 8" coated steel main to allow City to build road - main is in existing right-of-way. - 0	Street & Highway Relocates ISRS (S)	393.1009 (5) (C)	
800938	Reloc 625F 6P Hook Rd & Arther Dr	Install ~625 Ft of 6" PL IP Main. - Abandon ~627 Ft of PL IP Main The City of Lee's Summit is installing new storm structures on Hook Road and a portion of our existing 6" plastic main is in conflict. Main is looped. Project Type: Main Relocation (MRELO) due to Civic Improvement	Street & Highway Relocates ISRS (S)	393.1009 (5) (C)	
008969	Target Marlborough East phase 1	Target Marlborough East phase 1: Kansas City-Jackson: Relocate for Street & Highway-Public Improvements (44-388) - Approved by: Joe Hampton on 07/20/2015, ISRS. Relocate gas mains throughout the area for public improvement project. Coordinate with engineering before construction in order to stake proposed storm structures in the area. Pressure system C-051. Total retirement - 1.25" PBS = 298'. 2" PBS = 4,784'. 3" PBS = 1,352'. 4" PBS = 1,032'. 6" PBS = 642'. 8" PBS = 1,303'.	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	
008969	Target Marlborough East phase 1	Target Marlborough East phase 1: Kansas City-Jackson: Relocate for Street & Highway-Public Improvements (44-388) - Approved by: Joe Hampton on 07/20/2015, ISRS. Relocate gas mains throughout the area for public improvement project. Coordinate with engineering before construction in order to stake proposed storm structures in the area. Pressure system C-051. Total retirement - 1.25" PBS = 298'. 2" PBS = 4,784'. 3" PBS = 1,352'. 4" PBS = 1,032'. 6" PBS = 642'. 8" PBS = 1,303'.	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	
009276	Lincoln to Highview along Zora	Lincoln to Highview along Zora: Joplin: Relocate for Street & Highway-Public Improvements (44-388) - Approved by: Joe Hampton on 08/31/2015, Replace 1004' PE (WO's 013422, 16215, E339622, 941087, 941187, 731240, 33872, 39781, 43597, 686138, 963583) and 1,387' PBS (WO: N/A) and replace with 2,605' due to isolated bare steel and poor pipe conditions. This replacement will also loop and reinforce segments of the system. Project Location: Zora Ave - Lincoln to Highview. System: C-100. MOP: 30 PSIG. MAOP: 30 PSIG. Design: 66 PSIG Test: 100 PSIG D: 05 T: 01 S: 0001 Services: 25 Repaired Leaks: 13 \$41.29/ft (\$107,558.69.) Reopened 7-17-16 for paving repair charges per Cindy Peck - AMM	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	
009276	Lincoln to Highview along Zora	Lincoln to Highview along Zora: Joplin: Relocate for Street & Highway-Public Improvements (44-388) - Approved by: Joe Hampton on 08/31/2015, Replace 1004' PE (WO's 013422, 16215, E339622, 941087, 941187, 731240, 33872, 39781, 43597, 686138, 963583) and 1,387' PBS (WO: N/A) and replace with 2,605' due to isolated bare steel and poor pipe conditions. This replacement will also loop and reinforce segments of the system. Project Location: Zora Ave - Lincoln to Highview. System: C-100. MOP: 30 PSIG. MAOP: 30 PSIG. Design: 66 PSIG Test: 100 PSIG D: 05 T: 01 S: 0001 Services: 25 Repaired Leaks: 13 \$41.29/ft (\$107,558.69.) Reopened 7-17-16 for paving repair charges per Cindy Peck - AMM	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	
800023	13th and Maiden Lane Relocation	Replace 4in BS, 4in CS, 6in PE and 6in CS with 1425ft of 4in PE and 80ft 4in CST due to isolated bare steel and proposed city improvements. Project Location: 13th and Maiden Lane/Junge Blvd. - System: C-1. MOP: 58 PSIG. MAOP: 58 PSIG. Design: 66 PSIG. Test: 100 PSIG. Services: 1 Leaks: 0 Price: \$44.79/ft (\$67,414.22) ISRS	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	
800023	13th and Maiden Lane Relocation	Replace 4in BS, 4in CS, 6in PE and 6in CS with 1425ft of 4in PE and 80ft 4in CST due to isolated bare steel and proposed city improvements. Project Location: 13th and Maiden Lane/Junge Blvd. - System: C-1. MOP: 58 PSIG. MAOP: 58 PSIG. Design: 66 PSIG. Test: 100 PSIG. Services: 1 Leaks: 0 Price: \$44.79/ft (\$67,414.22) ISRS	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	
800023	13th and Maiden Lane Relocation	Replace 4in BS, 4in CS, 6in PE and 6in CS with 1425ft of 4in PE and 80ft 4in CST due to isolated bare steel and proposed city improvements. Project Location: 13th and Maiden Lane/Junge Blvd. - System: C-1. MOP: 58 PSIG. MAOP: 58 PSIG. Design: 66 PSIG. Test: 100 PSIG. Services: 1 Leaks: 0 Price: \$44.79/ft (\$67,414.22) ISRS	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	
800023	13th and Maiden Lane Relocation	Replace 4in BS, 4in CS, 6in PE and 6in CS with 1425ft of 4in PE and 80ft 4in CST due to isolated bare steel and proposed city improvements. Project Location: 13th and Maiden Lane/Junge Blvd. - System: C-1. MOP: 58 PSIG. MAOP: 58 PSIG. Design: 66 PSIG. Test: 100 PSIG. Services: 1 Leaks: 0 Price: \$44.79/ft (\$67,414.22) ISRS	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	

Missouri Gas Energy - MGE
ISRS - New Work Orders Included in November 2016 and December 2016 Additions
Work Order Detailed Descriptions

<u>New Work Order No.</u>	<u>Work Order Description</u>	<u>Work Order Notes - Purpose/Necessity</u>	<u>Funding Project Description</u>	<u>Statute Section</u>	<u>State or Federal Requirement</u>
800377	Rel w/ 568F 2S Rt 14 & Hwy 160	Relocate of 568ft of 2in ST, 2189ft of 3in ST, 126ft of 4in ST and 1371ft of 4in PL with 159ft 2in PL, 2053ft 4in PL and 1186ft of 6in PL along Rt 14 and Hwy 160 due to MODOT improvements. Division: 08 Town: 16 Sector: A1412. - Pressure System: C-0001 MAOP: 44 psig MOP: 44 psig Design: 66 psig Test: 100 psig Cost: \$194,906.56 (\$57.36/ft) ISRS	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	
800377	Rel w/ 568F 2S Rt 14 & Hwy 160	Relocate of 568ft of 2in ST, 2189ft of 3in ST, 126ft of 4in ST and 1371ft of 4in PL with 159ft 2in PL, 2053ft 4in PL and 1186ft of 6in PL along Rt 14 and Hwy 160 due to MODOT improvements. Division: 08 Town: 16 Sector: A1412. - Pressure System: C-0001 MAOP: 44 psig MOP: 44 psig Design: 66 psig Test: 100 psig Cost: \$194,906.56 (\$57.36/ft) ISRS	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	
800621	Rel w/ 1997F 4P Bankers Addition	Install 1997 Ft of 4 in PL MP main on 20th Street between Vermont and Delaware for the Bankers Addition Civic Improvements. Abandon 176 Ft of 1.25 in PL MP main, 18 Ft 2 in PL MP main & 22 Ft 4 in PL MP main. - This main is being replaced as part of a 2016 Public Improvement and is ISRS recoverable.	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	
800621	Rel w/ 1997F 4P Bankers Addition	Install 1997 Ft of 4 in PL MP main on 20th Street between Vermont and Delaware for the Bankers Addition Civic Improvements. Abandon 176 Ft of 1.25 in PL MP main, 18 Ft 2 in PL MP main & 22 Ft 4 in PL MP main. - This main is being replaced as part of a 2016 Public Improvement and is ISRS recoverable.	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	
800707	Reloc 800F 4P Garden Grove	Install ~ 800 Ft of 4 in PL IP Main on Garden Grove Rd N of Canterbee Ln. - Abandon ~ 800 Ft of 3 in ST IP Main at the above location. Total Service Tie-Over = 6. This main is being relocated due to Civic Improvements	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	
800707	Reloc 800F 4P Garden Grove	Install ~ 800 Ft of 4 in PL IP Main on Garden Grove Rd N of Canterbee Ln. - Abandon ~ 800 Ft of 3 in ST IP Main at the above location. Total Service Tie-Over = 6. This main is being relocated due to Civic Improvements	Street & Hwy Relocates ISRS (SW)	393.1009 (5) (C)	

Legend for State or Federal Safety Requirements

A	393.130 RSMo	Safe and Adequate Service
B	4 CSR 240-40.030(13)(B)	Replace, repair or remove unsafe pipeline segments
C	4 CSR 240-40.030(15)	Replacement Programs
D	4 CSR 240-40.030(14)	Gas Leaks
E	4 CSR 240-40.030(9)	Corrosion Control
F	4 CSR 240-40.030(13)	Maintenance
G	4 CSR 240-40.030(7)	Construction requirements
H	4 CSR 240-40.030(10)	Testing Requirements
I	GO-2002-50	Order Approving Modifications to the Ongoing Cast Iron Main, Service Line and Yard Line Replacement as Part of the Safety Line Replacement Program

References to state safety rules should be interpreted to include the corresponding federal safety rule.

Missouri Gas Energy - MGE
ISRS Work Order Retirements November to December 2016

Utility Account	New Work Order No.	Work Order Description	Funding Proj. No.	Month	Retirement Amount	Months	Depr Mo. Rate	Accum. Depr	Depr Expense
380200-Services - Plastic & Copper	N/A	BWO-Abandon Service (South Region)	F0513	201611	(144,730.01)	0	0.00223333	-	(3,878.76)
376100-Mains - Steel	20305155158	Replace 4in & 6in pbs and p	F0604	201611	(19,018.88)	0	0.00148333	-	(338.54)
380200-Services - Plastic & Copper	N/A	BWO-Abandon Service (North)	F0608	201611	(16,283.78)	0	0.00223333	-	(436.40)
380200-Services - Plastic & Copper	N/A	BWO-Abandon Service (SW Region)	F0659	201611	(15,028.88)	0	0.00223333	-	(402.77)
380100-Services - Steel	20401050301	BWO-Repl Svc w/ Pls (North Reg)	F0608	201611	(10,119.60)	0	0.00223333	-	(271.20)
380200-Services - Plastic & Copper	N/A	Replace 2" Main-Savage & Pacific	F0604	201611	(9,237.94)	0	0.00223333	-	(247.58)
380200-Services - Plastic & Copper	N/A	Aber and MorrelRepl Bare Steel Main	F0604	201611	(7,441.19)	0	0.00223333	-	(199.42)
380200-Services - Plastic & Copper	20401050301	BWO-Repl Svc w/ Pls (North Reg)	F0608	201611	(5,180.93)	0	0.00223333	-	(138.85)
380200-Services - Plastic & Copper	20801050301	BWO-Repl Svc w/ Pls (SW Reg)	F0659	201611	(2,030.92)	0	0.00223333	-	(54.43)
376100-Mains - Steel	N/A	Replace 2" Main-Savage & Pacific	F0604	201611	(1,671.28)	0	0.00148333	-	(29.75)
376100-Mains - Steel	N/A	Rel w/ 160F 8S Feeder Main	F0578	201611	(1,668.64)	0	0.00148333	-	(29.70)
376100-Mains - Steel	N/A	Aber and MorrelRepl Bare Steel Main	F0604	201611	(1,525.86)	0	0.00148333	-	(27.16)
376100-Mains - Steel	N/A	AOR - 20th and McGee St Replacement	F0599	201611	(1,431.02)	0	0.00148333	-	(25.47)
376300-Mains - Plastic	N/A	Replace 2" Main-Savage & Pacific	F0604	201611	(1,117.36)	0	0.00148333	-	(19.89)
380200-Services - Plastic & Copper	N/A	AOR - 20th and McGee St Replacement	F0599	201611	(768.45)	0	0.00223333	-	(20.59)
380100-Services - Steel	N/A	BWO-Abandon Service (North)	F0608	201611	(748.95)	0	0.00223333	-	(20.07)
380200-Services - Plastic & Copper	N/A	31st and College Replacement - IUI	F0599	201611	(741.69)	0	0.00223333	-	(19.88)
380200-Services - Plastic & Copper	20901050301	BWO-Repl Svc w/ Pls (South Reg)	F0513	201611	(636.54)	0	0.00223333	-	(17.06)
380200-Services - Plastic & Copper	N/A	AOR - 2021 Elmwood	F0599	201611	(588.00)	0	0.00223333	-	(15.76)
380200-Services - Plastic & Copper	N/A	AOR - 2939 Brooklyn Ave	F0599	201611	(587.94)	0	0.00223333	-	(15.76)
376200-Mains - Cast Iron	N/A	AOR - 2021 Elmwood	F0599	201611	(247.97)	0	0.00148333	-	(4.41)
380100-Services - Steel	20901050301	BWO-Repl Svc w/ Pls (South Reg)	F0513	201611	(242.37)	0	0.00223333	-	(6.50)
376200-Mains - Cast Iron	N/A	31st and College Replacement - IUI	F0599	201611	(186.60)	0	0.00148333	-	(3.32)
376200-Mains - Cast Iron	N/A	AOR - 20th and McGee St Replacement	F0599	201611	(135.80)	0	0.00148333	-	(2.42)
380100-Services - Steel	N/A	BWO-Abandon Service (South Region)	F0513	201611	(53.91)	0	0.00223333	-	(1.44)
380100-Services - Steel	N/A	BWO-Abandon Service (SW Region)	F0659	201611	(36.47)	0	0.00223333	-	(0.98)
376200-Mains - Cast Iron	N/A	AOR - 2939 Brooklyn Ave	F0599	201611	(34.79)	0	0.00148333	-	(0.62)
380100-Services - Steel	N/A	Replace 2" Main-Savage & Pacific	F0604	201611	(26.67)	0	0.00223333	-	(0.71)
380100-Services - Steel	N/A	Aber and MorrelRepl Bare Steel Main	F0604	201611	(5.05)	0	0.00223333	-	(0.14)
380200-Services - Plastic & Copper	N/A	BWO-Abandon Service (North)	F0608	201612	(12,201.81)	0	0.00223333	-	(327.01)
380200-Services - Plastic & Copper	N/A	BWO-Abandon Service (SW Region)	F0659	201612	(12,169.32)	0	0.00223333	-	(326.14)
380200-Services - Plastic & Copper	N/A	BWO-Abandon Service (South Region)	F0513	201612	(10,866.66)	0	0.00223333	-	(291.23)
380200-Services - Plastic & Copper	N/A	CP15-02 Replace 2" pbs main	F0604	201612	(7,772.80)	0	0.00223333	-	(208.31)
380100-Services - Steel	20401050301	BWO-Repl Svc w/ Pls (North Reg)	F0608	201612	(4,032.80)	0	0.00223333	-	(108.08)
380200-Services - Plastic & Copper	20801050301	BWO-Repl Svc w/ Pls (SW Reg)	F0659	201612	(3,713.71)	0	0.00223333	-	(99.53)
380200-Services - Plastic & Copper	20901050301	BWO-Repl Svc w/ Pls (South Reg)	F0513	201612	(3,361.19)	0	0.00223333	-	(90.08)
376100-Mains - Steel	N/A	CP15-02 Replace 2" pbs main	F0604	201612	(2,800.91)	0	0.00148333	-	(49.86)
380100-Services - Steel	20901050301	BWO-Repl Svc w/ Pls (South Reg)	F0513	201612	(1,028.59)	0	0.00223333	-	(27.57)
380200-Services - Plastic & Copper	20401050301	BWO-Repl Svc w/ Pls (North Reg)	F0608	201612	(470.63)	0	0.00223333	-	(12.61)
380100-Services - Steel	N/A	BWO-Abandon Service (SW Region)	F0659	201612	(452.18)	0	0.00223333	-	(12.12)
380100-Services - Steel	N/A	CP15-02 Replace 2" pbs main	F0604	201612	(235.25)	0	0.00223333	-	(6.30)
380100-Services - Steel	N/A	BWO-Abandon Service (South Region)	F0513	201612	(77.93)	0	0.00223333	-	(2.09)
376200-Mains - Cast Iron	N/A	AOR 3211 Cypress Ave Replacement -	F0599	201612	(52.58)	0	0.00148333	-	(0.94)
380100-Services - Steel	N/A	AOR 3211 Cypress Ave Replacement -	F0599	201612	(48.57)	0	0.00223333	-	(1.30)
380100-Services - Steel	N/A	BWO-Abandon Service (North)	F0608	201612	(39.24)	0	0.00223333	-	(1.05)

Total Retirements (300,851.66)

(7,793.80)

INFRASTRUCTURE SYSTEM REPLACEMENT SURCHARGE (ISRS)

EXPLAIN: The ISRS is a charge that covers a portion of the expenses that the Company must incur to maintain and upgrade its system and to relocate facilities in connection with local, state, and federal public improvement projects and safety requirements.

The ISRS covers the costs for:

- Moving or upgrading facilities in connection with mandated safety projects.
- Certain public improvement projects such as a street or highway widening.

The ISRS does NOT apply to the following:

- Costs for privately funded projects where MGE receives reimbursement for its expenses.
- Costs incurred to build infrastructure that directly connects to new customers who will be billed for service.

When a new ISRS is established, the first ISRS bill for each customer contains a bill message on the front of the bill known as the Initial notice. Such a bill message does not appear when the ISRS amount merely changes. However, note that an abbreviated version of this message is also permanently on the back of the bill under Definitions. Once each year, bills contain a different ISRS notice, referred to as the annual ISRS notice. Customers who call with ISRS questions during the first month that ISRS bills are rendered may be directed to the bill message on the front of the bill. After the first month, the ISRS is still defined on the back of the bill.

If customers seek to discuss the ISRS charge in greater detail, emphasize the following:



- The ISRS covers a portion of the expenses that the Company must incur to maintain and upgrade its system and to relocate facilities in connection with local, state, and federal public improvement projects and safety requirements.
- ISRS is authorized by Missouri law, which allows gas utilities like MGE to adjust their rates up to two times per year to recover these mandated costs.
- None of the mandated costs and projects covered by ISRS produces any new revenue for the Company. Any projects for which MGE is separately reimbursed are not included in the ISRS.
- The financial impact of the ISRS is very modest. It is less for residential customers than for larger commercial and industrial customers. Since MGE first established an ISRS in 2004, the residential ISRS has always been less than \$3 per month.

Initial Notice ISRS

Each year, MGE spends tens of millions of dollars on its more than 16,000 miles of pipeline facilities used to deliver gas to its customers. The infrastructure system replacement surcharge (ISRS) covers only a part of the expenses that the Company must incur to maintain and upgrade its system and to relocate facilities in connection with local, state and federal public improvement projects and safety requirements. In general, the ISRS charge to cover these costs is smaller for residential customers, while larger users in other customer classes are charged a greater amount. The amount of the charge may be adjusted periodically, and is being implemented in accordance with Sections 393.1009, 393.1012 and 393.1015 of the Revised Statutes of Missouri.

Annual Notice ISRS

Each year, MGE spends tens of millions of dollars on its more than 16,000 miles of pipeline facilities used to deliver gas to its customers. The infrastructure system replacement surcharge (ISRS) covers only a part of the expenses that the Company must incur to maintain and upgrade its system and to relocate facilities in connection with local, state and federal public improvement projects and safety requirements. In general, the ISRS charge to cover these costs is smaller for residential customers, while larger users in other customer classes are charged a greater amount. The amount of the charge, which is reflected on the front of your bill, may be adjusted periodically, and has been implemented in accordance with Sections 393.1009, 393.1012 and 393.1015 of the Revised Statutes of Missouri.

<Ask the learners for questions. If there's none, continue with the discussion.>



How to Read My Bill?

The more information you have about your energy usage, the better choices you can make. As of September 8, 2015, MGE customers have a new look to your bill to help make those choices easier. Please see the graphic below to learn about the new sections and understand how your bill is calculated.

Definition of Terms

CCF (Hundred Cubic Feet)	The amount of gas used in hundreds of cubic feet.
Franchise Tax	The amount of city tax levied by your city for natural gas service. The amount is collected by MGE and paid directly to the city.
ISRS (Infrastructure System Replacement Surcharge)	The ISRS covers a portion of the expenses we incur in connection with local, state and federal public improvement projects and safety requirements.
City, County, State Tax	The amount of municipal tax or gross receipts tax assessed by the municipality in which you receive the service. The amount is collected by MGE and paid directly to the municipality.
Natural Gas Cost	The amount we pay for the purchase, transportation and storage of natural gas. This cost is directly passed through to customers with no profit for MGE.
Pressure Factor	This factor converts metered gas volume to actual gas volume, as gas volumes can vary depending on local atmospheric pressure or increased delivery pressure.
MGE Delivery	The amount that covers the delivery and service costs to operate, maintain and upgrade natural gas pipelines across our service area. This is comprised of a customer charge and a volumetric charge.

Payment Information

A late payment charge of 1.5% will be applied to all current charges remaining unpaid after the delinquent date. When you provide a check as payment, you authorize MGE to use information from your check to make a one-time electronic fund transfer from your account or to process the payment as a check transaction.

If you do not see the graphic on How to Read Your MGE Energy Statement, please [Click here](#) to open in a new window.