

Work Order Authorization Information

Header Detail

<p>Work Order: 801323</p> <p>Work Order Title: Repl 2814F 2-4-8P WalnutNolandCrane</p> <p>Wo Type Description: WO-Replacement Mains & Svcs MGE</p> <p>Work Order Group:</p> <p>Current Revision: 1</p> <p>Funding Project: F0604</p> <p>Funding Project Desc: Main Replacement - ISRS (S)</p> <p>Eligible for AFUDC: yes Eligible for CPI: yes</p> <p>Reason Code: Strategic</p> <p>WO Description: Install 160 2" PL LP Main, 31 4" PL LP Main, 2623 8" PL LP Main along Noland Road, Walnut Street, Hocker Road, and Emery Street.</p> <p>Major Location: 0201-Independence</p> <p>Asset Location: 0201-043001 JACKSON CTY//INDEPENDENCE</p> <p>Estimated Start Date: Jan 30, 2018 Estimated Completion Date: Mar 05, 2018 Estimated In-Service Date: Mar 05, 2018</p> <p>Notes: Abandon 2580 Ft of 8 in CI LP Main, 14 Ft of 6 in PL LP Main, 147 Ft of 2 in ST LP Main, 23 Ft of 4 in ST LP Main, 3 Ft of 8 in ST LP Main on the above mentioned streets. Total Service Tie-over = 48; Total Service Replacement = 4; Total Service Abandoned = 5. This main is being replaced due to leaks and as part of FY18 Cast Iron Replacement Program.</p>	<p>Company: Spire Missouri Inc.</p> <p>Business Segment: Missouri West</p> <p>Functional Class: Distribution Plant</p> <p>Department Code: 20638</p> <p>Department Description: Construction & Maintenance - Region 2B - Unio</p> <p>Budget Description: Replace bare steel main - safety re</p> <p>Est. Annual Revenue:</p> <p>Reimbursement Type: None</p> <p>Retirement Type:</p> <p>Status: posted to CPR</p>
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Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	12/28/2017
Engineering Review-Dist	Hoeflerlin, Craig	\$0	1/2/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	1/2/2018

***** Unit Estimate *****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$8,055.44	\$8,055.44	\$0.00	\$0.00
376200-Mains - Cast Iron	\$0.00	\$3,612.31	\$3,612.31	\$0.00	\$0.00
376300-Mains - Plastic	\$391,211.80	\$853.46	\$392,065.26	\$0.00	\$0.00
380100-Services - Steel	\$0.00	\$462.10	\$462.10	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$4,070.14	\$0.00	\$4,070.14	\$0.00	\$0.00
Total Estimated Costs:	\$395,281.94	\$12,983.31	\$408,265.25	\$0.00	\$0.00

Work Order Authorization Information

***** Unit Estimate *****

Asset Location						
Utility Account						
Retirement Unit						
Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0201-043001 JACKSON CTY//INDEP						
376200-Mains - Cast Iron						
Mains-Cast Iron 8"						
Contract Payroll	\$0.00	\$259.28	0	0	0	0
Contractor Work	\$0.00	\$425.00	0	0	0	0
Department Clearings	\$0.00	\$224.28	0	0	0	0
Mechanical Equipment	\$0.00	\$53.60	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$144.94	0	0	0	0
Overheads Capitalized - General	\$0.00	\$889.80	0	0	0	0
Payroll Taxes	\$0.00	\$39.41	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2580	0	0
Stores	\$0.00	\$1,576.00	0	0	0	0
SubTotal Utility Account:	\$0.00	\$3,612.31	0.00	2,580.00	0.00	0.00
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$97.23	\$0.00	0	0	0	0
Contractor Work	\$7,426.58	\$0.00	0	0	0	0
Department Clearings	\$84.10	\$0.00	0	0	0	0
Mechanical Equipment	\$20.10	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$54.35	\$0.00	0	0	0	0
Overheads Capitalized - General	\$3,270.88	\$0.00	0	0	0	0
Payroll Taxes	\$14.78	\$0.00	0	0	0	0
Stores	\$234.86	\$0.00	160	0	0	0
Mains-Plastic 4"						
Contract Payroll	\$32.41	\$0.00	0	0	0	0
Contractor Work	\$1,819.48	\$0.00	0	0	0	0
Department Clearings	\$28.03	\$0.00	0	0	0	0
Mechanical Equipment	\$6.70	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$18.12	\$0.00	0	0	0	0
Overheads Capitalized - General	\$1,115.97	\$0.00	0	0	0	0
Payroll Taxes	\$4.93	\$0.00	0	0	0	0
Stores	\$794.76	\$0.00	31	0	0	0
Mains-Plastic 6"						
Contract Payroll	\$0.00	\$16.21	0	0	0	0
Contractor Work	\$0.00	\$546.64	0	0	0	0
Department Clearings	\$0.00	\$14.02	0	0	0	0
Mechanical Equipment	\$0.00	\$3.35	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$9.06	0	0	0	0
Overheads Capitalized - General	\$0.00	\$242.82	0	0	0	0

Work Order Authorization Information

***** Unit Estimate *****

Asset Location

Utility Account

Retirement Unit

Est. Chg Type

Addition Dollars

Retirement Dollars

Add Qty

Retire Qty

Add Hrs

Retire Hrs

0201-043001 JACKSON CTY/INDEP

376300-Mains - Plastic

Mains-Plastic 6"

Payroll Taxes	\$0.00	\$2.46	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	14	0	0
Stores	\$0.00	\$18.90	0	0	0	0

Mains-Plastic 8"

Contract Payroll	\$1,101.94	\$0.00	0	0	0	0
Contractor Work	\$232,510.87	\$0.00	0	0	0	0
Department Clearings	\$953.18	\$0.00	0	0	0	0
Mechanical Equipment	\$227.80	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$615.98	\$0.00	0	0	0	0
Overheads Capitalized - General	\$111,399.47	\$0.00	0	0	0	0
Payroll Taxes	\$167.49	\$0.00	0	0	0	0
Stores	\$29,211.79	\$0.00	2623	0	0	0

SubTotal Utility Account:

\$391,211.80 \$853.46 2,814.00 14.00 0.00 0.00

376100-Mains - Steel

Mains-Steel 2"

Contract Payroll	\$0.00	\$16.21	0	0	0	0
Contractor Work	\$0.00	\$456.12	0	0	0	0
Department Clearings	\$0.00	\$14.02	0	0	0	0
Mechanical Equipment	\$0.00	\$3.35	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$9.06	0	0	0	0
Overheads Capitalized - General	\$0.00	\$227.80	0	0	0	0
Payroll Taxes	\$0.00	\$2.46	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	147	0	0
Stores	\$0.00	\$74.10	0	0	0	0

Mains-Steel 4"

Contract Payroll	\$0.00	\$16.21	0	0	0	0
Contractor Work	\$0.00	\$5.26	0	0	0	0
Department Clearings	\$0.00	\$14.02	0	0	0	0
Mechanical Equipment	\$0.00	\$3.35	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$9.06	0	0	0	0
Overheads Capitalized - General	\$0.00	\$4.70	0	0	0	0
Payroll Taxes	\$0.00	\$2.46	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	23	0	0

Mains-Steel 8"

Contract Payroll	\$0.00	\$16.21	0	0	0	0
Contractor Work	\$0.00	\$3,268.94	0	0	0	0

Work Order Authorization Information

***** Unit Estimate *****

Asset Location						
Utility Account						
Retirement Unit						
Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0201-043001 JACKSON CTY/INDEP						
376100-Mains - Steel						
Mains-Steel 8"						
Department Clearings	\$0.00	\$14.02	0	0	0	0
Mechanical Equipment	\$0.00	\$3.35	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$9.06	0	0	0	0
Overheads Capitalized - General	\$0.00	\$2,134.83	0	0	0	0
Payroll Taxes	\$0.00	\$2.46	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	3	0	0
Stores	\$0.00	\$1,748.39	0	0	0	0
SubTotal Utility Account:	\$0.00	\$8,055.44	0.00	173.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$2,758.80	\$0.00	0	0	0	0
Overheads Capitalized - General	\$1,213.90	\$0.00	0	0	0	0
Stores	\$97.44	\$0.00	0	0	0	0
SubTotal Utility Account:	\$4,070.14	\$0.00	0.00	0.00	0.00	0.00
380100-Services - Steel						
Services-Steel						
Contractor Work	\$0.00	\$324.28	0	0	0	0
Overheads Capitalized - General	\$0.00	\$137.82	0	0	0	0
SubTotal Utility Account:	\$0.00	\$462.10	0.00	0.00	0.00	0.00
SubTotal Location:	\$395,281.94	\$12,983.31	2,814.00	2,767.00	0.00	0.00
Total Unit Estimate:	\$395,281.94	\$12,983.31	2,814	2,767	0	0

***** Class Codes *****

Class Code	Value
cap_expense	capital
ISRS Reason	01 - Cast Iron Strategic Replacement
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

Work Order Authorization Information

***** As-Built *****

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity

Used in Unitization:

0201-043001 JACKSON CTY//INDEPENDENCE

376100-Mains - Steel

Retirement

Contract Payroll	Mains-Steel 2"		\$143.08	0
Contract Payroll	Mains-Steel 4"		\$71.54	0
Contract Payroll	Mains-Steel 8"		\$71.54	0
Contractor Work	Mains-Steel 8"		\$11,677.72	0
Contractor Work	Mains-Steel 4"		\$5,485.95	0
Contractor Work	Mains-Steel 2"		\$13,638.45	0
Department Clearings	Mains-Steel 2"		\$210.33	0
Department Clearings	Mains-Steel 8"		\$105.16	0
Department Clearings	Mains-Steel 4"		\$105.16	0
Overheads Capitalized - Benefits	Mains-Steel 4"		\$62.96	0
Overheads Capitalized - Benefits	Mains-Steel 8"		\$62.96	0
Overheads Capitalized - Benefits	Mains-Steel 2"		\$125.91	0
Overheads Capitalized - General	Mains-Steel 2"		\$8,422.64	0
Overheads Capitalized - General	Mains-Steel 4"		\$3,364.54	0
Overheads Capitalized - General	Mains-Steel 8"		\$8,330.37	0
Payroll Taxes	Mains-Steel 4"		\$10.87	0
Payroll Taxes	Mains-Steel 8"		\$10.87	0
Payroll Taxes	Mains-Steel 2"		\$21.75	0
Retirement Value	Mains-Steel 4"		\$137.86	22
Retirement Value	Mains-Steel 4"		\$328.92	101
Retirement Value	Mains-Steel 2"		\$169.18	150
Retirement Value	Mains-Steel 8"		\$325.50	27
Retirement Value	Mains-Steel 8"		\$844.97	114
Retirement Value	Mains-Steel 2"		\$165.76	148
Stores	Mains-Steel 2"		\$147.34	0
Stores	Mains-Steel 8"		\$1,967.71	0
Stores	Mains-Steel 4"		\$18.78	0
Retirement Total:			\$56,027.82	562

376200-Mains - Cast Iron

Retirement

Contract Payroll	Mains-Cast Iron 8"		\$1,180.41	0
Contractor Work	Mains-Cast Iron 8"		\$113,933.23	0
Department Clearings	Mains-Cast Iron 8"		\$1,735.20	0
Overheads Capitalized - Benefits	Mains-Cast Iron 8"		\$1,038.76	0
Overheads Capitalized - General	Mains-Cast Iron 8"		\$69,621.27	0
Payroll Taxes	Mains-Cast Iron 8"		\$179.42	0
Retirement Value	Mains-Cast Iron 8"		\$2,158.90	1,300
Retirement Value	Mains-Cast Iron 8"		\$2,104.10	1,267
Stores	Mains-Cast Iron 8"		\$20.04	0
Retirement Total:			\$191,971.33	2,567

376300-Mains - Plastic

Addition

Contract Payroll	Mains-Plastic 8"		\$8,549.03	0
Contract Payroll	Mains-Plastic 6"		\$107.31	0

Work Order Authorization Information

***** As-Built *****

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
Used in Unitization:				
0201-043001 JACKSON CTY/INDEPENDENCE				
376300-Mains - Plastic				
Addition				
Contract Payroll	Mains-Plastic 2"		\$1,323.49	0
Contract Payroll	Mains-Plastic 4"		\$250.39	0
Contractor Work	Mains-Plastic 8"		\$231,852.73	0
Contractor Work	Mains-Plastic 4"		\$47,254.12	0
Contractor Work	Mains-Plastic 2"		\$47,404.26	0
Contractor Work	Mains-Plastic 6"		\$512.94	0
Department Clearings	Mains-Plastic 4"		\$368.07	0
Department Clearings	Mains-Plastic 6"		\$157.75	0
Department Clearings	Mains-Plastic 8"		\$12,567.07	0
Department Clearings	Mains-Plastic 2"		\$1,945.53	0
Overheads Capitalized - Benefits	Mains-Plastic 6"		\$94.43	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$1,164.67	0
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$220.34	0
Overheads Capitalized - Benefits	Mains-Plastic 8"		\$7,523.15	0
Overheads Capitalized - General	Mains-Plastic 6"		\$333.43	0
Overheads Capitalized - General	Mains-Plastic 8"		\$165,564.54	0
Overheads Capitalized - General	Mains-Plastic 4"		\$29,248.84	0
Overheads Capitalized - General	Mains-Plastic 2"		\$30,220.91	0
Payroll Taxes	Mains-Plastic 2"		\$201.17	0
Payroll Taxes	Mains-Plastic 6"		\$16.31	0
Payroll Taxes	Mains-Plastic 8"		\$1,299.45	0
Payroll Taxes	Mains-Plastic 4"		\$38.06	0
Stores	Mains-Plastic 2"		\$1,936.43	1,007
Stores	Mains-Plastic 6"		\$17.31	3
Stores	Mains-Plastic 8"		\$38,261.18	2,735
Stores	Mains-Plastic 4"		\$656.62	101
Addition Total:			\$629,089.53	3,846
380100-Services - Steel				
Retirement				
Contractor Work	Services-Steel		\$45.20	0
Overheads Capitalized - General	Services-Steel		\$27.57	0
Retirement Value	Services-Steel		\$0.31	3
Retirement Value	Services-Steel		\$0.62	6
Retirement Total:			\$73.70	9
380200-Services - Plastic & Copper				
Addition				
Contractor Work	Services-Plastic		\$10,345.50	0
Overheads Capitalized - General	Services-Plastic		\$6,932.50	0
Stores	Services-Plastic		\$1,019.25	822
Addition Total:			\$18,297.25	822
Retirement				
Contractor Work	Services-Plastic		\$1,216.05	0
Overheads Capitalized - General	Services-Plastic		\$741.79	0
Retirement Value	Services-Plastic		\$441.62	52

Work Order Authorization Information

***** As-Built *****

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
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Used in Unitization:

0201-043001 JACKSON CTY//INDEPENDENCE
 380200-Services - Plastic & Copper

Retirement

Retirement Value	Services-Plastic					\$815.51	111
Retirement Value	Services-Plastic					\$539.83	48
Retirement Value	Services-Plastic					\$809.56	95
Retirement Value	Services-Plastic					\$127.11	18
Retirement Value	Services-Plastic					\$81.28	4
Retirement Value	Services-Plastic					\$104.35	10
Retirement Value	Services-Plastic					\$619.85	54
Retirement Value	Services-Plastic					\$425.40	34
Retirement Value	Services-Plastic					\$223.03	10
Retirement Value	Services-Plastic					\$1,458.22	139
Retirement Value	Services-Plastic					\$304.62	23
Retirement Value	Services-Plastic					\$167.24	17
Retirement Value	Services-Plastic					\$575.09	40
Retirement Value	Services-Plastic					\$25.44	29
Retirement Value	Services-Plastic					\$447.46	42
Retirement Value	Services-Plastic					\$2,453.33	338
Retirement Value	Services-Plastic					\$667.81	65
Retirement Value	Services-Plastic					\$469.68	62

Retirement Total: \$12,714.27 1,191

	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
Location Total:	\$647,386.78	4,668	\$260,787.12	4,329
Used in Unitization:	\$647,386.78	4,668	\$260,787.12	4,329
Unit Estimate Total:	\$647,386.78	4,668	\$260,787.12	4,329

***** Work Order Retirements *****

Business Segment	GL Account	Asset Location	Utility Account	Retirement Unit	Asset Description	Vintage	Activity Code	Retire Qty	Retirement Amount
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Posted Retirements:

Missouri West	101000::Gas Plant in Service	0201-043001 JACKSON CTY//INDEPENDENCE		376100-Mains - Steel					
				Mains-Steel 2"					
OCR					1961	URET	148	\$165.76	

OCR 1963 UREI 150 \$169.18
 Mains-Steel 4"

Work Order Authorization Information

***** Work Order Retirements *****

Business Segment	GL Account				
Asset Location		1956	URET	22	\$137.86
Utility Account					
Retirement Unit		Vintage	Activity Code	Retire Qty	Retirement Amount
Asset Description					
OCR		1971	URET	101	\$328.92
Mains-Steel 8"					
OCR		1971	URET	114	\$844.97
OCR		1973	URET	27	\$325.50
		Utility Account Total:		562	\$1,972.19
376200-Mains - Cast Iron					
Mains-Cast Iron 8"					
OCR		1939	URET	1,267	\$2,104.10
OCR		1939	URET	1,300	\$2,158.90
		Utility Account Total:		2,567	\$4,263.00
380100-Services - Steel					
Services-Steel					
OCR		1947	URET	3	\$0.31
OCR		1947	URET	6	\$0.62
		Utility Account Total:		9	\$0.93
380200-Services - Plastic & Copper					
Services-Plastic					
OCR		1978	URET	29	\$25.44
OCR		1981	URET	48	\$539.83

Work Order Authorization Information

***** Work Order Retirements *****

Business Segment	GL Account				
Asset Location					
Utility Account					
Retirement Unit					
Asset Description		Vintage	Activity Code	Retire Qty	Retirement Amount
Posted Retirements:					
Missouri West	101000::Gas Plant In Service				
0201-043001 JACKSON CTY/INDEPENDENCE					
380200-Services - Plastic & Copper					
Services-Plastic					
OCR		1982	URET	54	\$619.85
OCR		1985	URET	52	\$441.62
OCR		1986	URET	34	\$425.40
OCR		1988	URET	40	\$575.09
OCR		1989	URET	111	\$815.51
OCR		1990	URET	65	\$667.81
OCR		1993	URET	18	\$127.11
OCR		1994	URET	95	\$809.56
OCR		1995	URET	139	\$1,458.22
OCR		1996	URET	10	\$104.35
OCR		1997	URET	17	\$167.24
OCR		1999	URET	338	\$2,453.33
OCR		2000	URET	42	\$447.46
OCR		2006	URET	23	\$304.62
OCR		2007	URET	10	\$223.03
OCR		2010	URET	4	\$81.28
OCR		2018	URET	62	\$469.68
		Utility Account Total:		1,191	\$10,756.43
		Location Total:		4,329	\$16,992.55
		GL Account Total:		4,329	\$16,992.55
		Posted Retirements:		4,329	\$16,992.55
		Work Order Total:		4,329	\$16,992.55

Work Order Authorization Information

Header Detail

<p>Work Order: 801627</p> <p>Work Order Title: Repl 1295F 2-3-4P Leaks on Fairview</p> <p>Wo Type Description: WO-Replacement Mains & Svcs MGE</p> <p>Work Order Group:</p> <p>Current Revision: 1</p> <p>Funding Project: F0572</p> <p>Funding Project Desc: Main Replacement - ISRS (SW)</p> <p>Eligible for AFUDC: yes Eligible for CPI: yes</p> <p>Reason Code: System Integrity</p> <p>WO Description: Install ~ 1200 Ft. of 2 in. PL LP Main, ~ 10 Ft. of 3 in. PL LP Main, and ~ 85 Ft. of 4 in. PL LP Main on W Fairview Ave., S Maple St., S Main St., and Grand Ave.</p> <p>Major Location: 0601-Carthage</p> <p>Asset Location: 0601-044025 JASPER CTY/CARTHAGE</p>	<p>Company: Spire Missouri Inc.</p> <p>Business Segment: Missouri West</p> <p>Functional Class: Distribution Plant</p> <p>Department Code: 20921</p> <p>Department Description: Region 2B - SW Missouri - Distribution - Union</p> <p>Budget Description: Replace bare steel main - safety re</p> <p>Est. Annual Revenue:</p> <p>Reimbursement Type: None</p> <p>Retirement Type:</p> <p style="text-align: right;">Status: posted to CPR</p>
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Estimated Start Date: Feb 12, 2018 **Estimated Completion Date:** Apr 02, 2018 **Estimated In-Service Date:** Apr 02, 2018

Notes: Replacement due to leaks along Fairview Ave from Maple to Grand in Carthage. Abandon 5 Ft of 3 in. PL LP Main, 621 Ft of 2 in. ST LP Main, 414 Ft of 3 in. ST LP Main on the above mentioned streets. Total Service Tie-over = 7; Total Service Abandoned = 1. This main is being replaced due to CP deficiencies and as part of FY18 Bare Steel Replacement Program. Per Prita Malla the Estimate and the As Built are properly reflected with a difference in footage of 330 Feet.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	1/19/2018
Engineering Review-Dist	Hoeflerlin, Craig	\$0	1/22/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	1/22/2018

***** Unit Estimate *****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$8,012.23	\$8,012.23	\$0.00	\$0.00
376300-Mains - Plastic	\$78,890.41	\$447.34	\$79,337.75	\$0.00	\$0.00
Total Estimated Costs:	\$78,890.41	\$8,459.57	\$87,349.98	\$0.00	\$0.00

Work Order Authorization Information

***** Unit Estimate *****

Asset Location	Utility Account	Retirement Unit	Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs	
0601-044025 JASPER CTY/CARTHA										
376300-Mains - Plastic										
Mains-Plastic 2"										
				Contract Payroll	\$518.56	\$0.00	0	0	0	0
				Contractor Work	\$44,768.54	\$0.00	0	0	0	0
				Department Clearings	\$448.55	\$0.00	0	0	0	0
				Mechanical Equipment	\$107.20	\$0.00	0	0	0	0
				Overheads Capitalized - Benefits	\$289.88	\$0.00	0	0	0	0
				Overheads Capitalized - General	\$20,378.61	\$0.00	0	0	0	0
				Payroll Taxes	\$78.82	\$0.00	0	0	0	0
				Stores	\$2,995.85	\$0.00	1200	0	0	0
Mains-Plastic 3"										
				Contract Payroll	\$32.41	\$16.21	0	0	0	0
				Contractor Work	\$903.08	\$275.95	0	0	0	0
				Department Clearings	\$28.03	\$14.02	0	0	0	0
				Mechanical Equipment	\$6.70	\$3.35	0	0	0	0
				Overheads Capitalized - Benefits	\$18.12	\$9.06	0	0	0	0
				Overheads Capitalized - General	\$573.72	\$121.69	0	0	0	0
				Payroll Taxes	\$4.93	\$2.46	0	0	0	0
				Retirement Value	\$0.00	\$0.00	0	5	0	0
				Stores	\$435.26	\$4.60	10	0	0	0
Mains-Plastic 4"										
				Contract Payroll	\$64.82	\$0.00	0	0	0	0
				Contractor Work	\$4,444.16	\$0.00	0	0	0	0
				Department Clearings	\$56.07	\$0.00	0	0	0	0
				Mechanical Equipment	\$13.40	\$0.00	0	0	0	0
				Overheads Capitalized - Benefits	\$36.23	\$0.00	0	0	0	0
				Overheads Capitalized - General	\$2,130.95	\$0.00	0	0	0	0
				Payroll Taxes	\$9.85	\$0.00	0	0	0	0
				Stores	\$546.67	\$0.00	85	0	0	0
				SubTotal Utility Account:	\$78,890.41	\$447.34	1,295.00	5.00	0.00	0.00
376100-Mains - Steel										
Mains-Steel 2"										
				Contract Payroll	\$0.00	\$81.02	0	0	0	0
				Contractor Work	\$0.00	\$3,774.90	0	0	0	0
				Department Clearings	\$0.00	\$70.08	0	0	0	0
				Mechanical Equipment	\$0.00	\$16.75	0	0	0	0
				Overheads Capitalized - Benefits	\$0.00	\$45.29	0	0	0	0
				Overheads Capitalized - General	\$0.00	\$1,810.03	0	0	0	0

Work Order Authorization Information

***** Unit Estimate *****

Asset Location
Utility Account
Retirement Unit
Est. Chg Type

	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
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0601-044025 JASPER CTY/CARTHA

376100-Mains - Steel

Mains-Steel 2"

Payroll Taxes	\$0.00	\$12.32	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	621	0	0
Stores	\$0.00	\$455.04	0	0	0	0

Mains-Steel 3"

Contract Payroll	\$0.00	\$64.82	0	0	0	0
Contractor Work	\$0.00	\$1,033.60	0	0	0	0
Department Clearings	\$0.00	\$56.07	0	0	0	0
Mechanical Equipment	\$0.00	\$13.40	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$36.23	0	0	0	0
Overheads Capitalized - General	\$0.00	\$474.09	0	0	0	0
Payroll Taxes	\$0.00	\$9.85	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	414	0	0
Stores	\$0.00	\$58.74	0	0	0	0

SubTotal Utility Account:	\$0.00	\$8,012.23	0.00	1,035.00	0.00	0.00
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SubTotal Location:	\$78,890.41	\$8,459.57	1,295.00	1,040.00	0.00	0.00
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Total Unit Estimate:	\$78,890.41	\$8,459.57	1,295	1,040	0	0
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***** Class Codes *****

Class Code	Value
cap_expense	capital
ISRS Reason	08 - Cast Iron or Bare Steel Replacement - Lea
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

***** As-Built *****

Asset Location
Utility Account
Exp Type

Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
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Used in Unitization:

0601-044025 JASPER CTY/CARTHAGE

376100-Mains - Steel

Retirement

Contract Payroll	Mains-Steel 4"		\$32.60	0
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Contract Payroll

Work Order Authorization Information

\$326.00

0

**** As-Built ****

Asset Location Utility Account Exp Type Contract Payroll Est Charge type	Mains-Steel 3" Retirement Unit	Job task	\$228.20 Dollars	Quantity 0
Contractor Work	Mains-Steel 4"		\$10.73	0
Contractor Work	Mains-Steel 2"		\$4,948.82	0
Contractor Work	Mains-Steel 3"		\$5,928.85	0
Department Clearings	Mains-Steel 2"		\$281.99	0
Department Clearings	Mains-Steel 3"		\$197.39	0
Department Clearings	Mains-Steel 4"		\$28.20	0
Overheads Capitalized - Benefits	Mains-Steel 2"		\$182.23	0
Overheads Capitalized - Benefits	Mains-Steel 3"		\$127.56	0
Overheads Capitalized - Benefits	Mains-Steel 4"		\$18.22	0
Overheads Capitalized - General	Mains-Steel 2"		\$2,893.45	0

Overheads Capitalized - General

Mains-Steel 3"

\$2,765.71

0

Work Order Authorization Information

***** As-Built *****

Asset Location	Utility Account	Capitalized - General	Mains-Steel 4"		\$6.65	0
Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity	
Payroll Taxes		Mains-Steel 2"		\$49.55	0	
Payroll Taxes		Mains-Steel 4"		\$4.96	0	
Payroll Taxes		Mains-Steel 3"		\$34.69	0	
Retirement Value		Mains-Steel 2"		\$4.97	76	
Retirement Value		Mains-Steel 3"		\$12.64	3	
Retirement Value		Mains-Steel 2"		\$0.98	15	
Retirement Value		Mains-Steel 2"		\$148.34	77	
Retirement Value		Mains-Steel 2"		\$223.47	74	
Retirement Value		Mains-Steel 2"		\$216.41	9	
Retirement Value		Mains-Steel 2"		\$207.48	456	

Work Order Authorization Information

***** As-Built *****

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
Used in Unitization:				
0601-044025 JASPER CTY/CARTHAGE				
376100-Mains - Steel				
Retirement				
Retirement Value	Mains-Steel 3"		\$65.38	242
Retirement Value	Mains-Steel 4"		\$77.76	10
Stores	Mains-Steel 3"		\$544.33	0
Stores	Mains-Steel 2"		\$1,810.20	0
Retirement Total:			\$21,495.83	1,399
376300-Mains - Plastic				
Addition				
Contract Payroll	Mains-Plastic 2"		\$2,347.20	0
Contract Payroll	Mains-Plastic 4"		\$2,347.20	0
Contractor Work	Mains-Plastic 2"		\$71,711.53	0
Contractor Work	Mains-Plastic 4"		\$8,286.77	0
Department Clearings	Mains-Plastic 2"		\$2,030.33	0
Department Clearings	Mains-Plastic 4"		\$2,030.33	0
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$1,312.08	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$1,312.08	0
Overheads Capitalized - General	Mains-Plastic 2"		\$32,809.47	0
Overheads Capitalized - General	Mains-Plastic 4"		\$3,773.33	0
Payroll Taxes	Mains-Plastic 2"		\$356.77	0
Payroll Taxes	Mains-Plastic 4"		\$356.77	0
Stores	Mains-Plastic 4"		\$238.19	62
Stores	Mains-Plastic 2"		\$5,133.77	1,563
Addition Total:			\$134,045.82	1,625
Retirement				
Contract Payroll	Mains-Plastic 3"		\$32.60	0
Contract Payroll	Mains-Plastic 2"		\$32.60	0
Contractor Work	Mains-Plastic 3"		\$10.73	0
Contractor Work	Mains-Plastic 2"		\$21.46	0
Department Clearings	Mains-Plastic 2"		\$28.20	0
Department Clearings	Mains-Plastic 3"		\$28.20	0
Overheads Capitalized - Benefits	Mains-Plastic 3"		\$18.22	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$18.22	0
Overheads Capitalized - General	Mains-Plastic 3"		\$8.63	0
Overheads Capitalized - General	Mains-Plastic 2"		\$11.21	0
Payroll Taxes	Mains-Plastic 3"		\$4.96	0
Payroll Taxes	Mains-Plastic 2"		\$4.96	0
Retirement Value	Mains-Plastic 3"		\$602.40	11
Retirement Value	Mains-Plastic 2"		\$34.06	8
Retirement Value	Mains-Plastic 2"		\$182.90	58
Stores	Mains-Plastic 3"		\$4.67	0
Retirement Total:			\$1,044.02	77

Work Order Authorization Information

***** As-Built *****

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity	
Used in Unitization:								
0601-044025 JASPER CTY/CARTHAGE								
380200-Services - Plastic & Copper								
Addition								
Stores				Services-Plastic		\$0.00	67	
						Addition Total:	\$0.00	67
Retirement								
Contract Payroll				Services-Plastic		\$32.60	0	
Department Clearings				Services-Plastic		\$28.20	0	
Overheads Capitalized - Benefits				Services-Plastic		\$18.22	0	
Overheads Capitalized - General				Services-Plastic		\$2.09	0	
Payroll Taxes				Services-Plastic		\$4.96	0	
Retirement Value				Services-Plastic		\$213.10	11	
Retirement Value				Services-Plastic		\$1,164.41	70	
Retirement Value				Services-Plastic		\$1,096.54	119	
						Retirement Total:	\$2,560.12	200
		<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>			
Location Total:		\$134,045.82	1,692	\$25,099.97	1,676			
		<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>			
Used in Unitization:		\$134,045.82	1,692	\$25,099.97	1,676			
		<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>			
Unit Estimate Total:		\$134,045.82	1,692	\$25,099.97	1,676			

***** Work Order Retirements *****

Business Segment	GL Account	Asset Location	Utility Account	Retirement Unit	Asset Description	Vintage	Activity Code	Retire Qty	Retirement Amount
Posted Retirements:									
Missouri West	101000::Gas Plant in Service								
0601-044025 JASPER CTY/CARTHAGE									
376100-Mains - Steel									
Mains-Steel 2"									
OCR						1939	URET	15	\$0.98
OCR						1939	URET	456	\$207.48
OCR						1939	URET	76	\$4.97
OCR						1951	URET	77	\$148.34
OCR						1972	URET	74	\$223.47
OCR						1978	URET	9	\$216.41
Mains-Steel 3"									
OCR						1939	URET	437	\$118.07
OCR						1939	URET	242	\$65.38
OCR						1971	URET	3	\$12.64

Work Order Authorization Information

***** Work Order Retirements *****

Business Segment	GL Account				
Asset Location					
Utility Account					
Retirement Unit					
Asset Description		Vintage	Activity Code	Retire Qty	Retirement Amount
Posted Retirements:					
Missouri West	101000::Gas Plant in Service				
0601-044025 JASPER CTY/CARTHAGE					
376100-Mains - Steel					
Mains-Steel 4"					
OCR		1971	URET	10	\$77.76
		Utility Account Total:		1,399	\$1,075.50
376300-Mains - Plastic					
Mains-Plastic 2"					
OCR		1978	URET	8	\$34.06
OCR		1989	URET	58	\$182.90
Mains-Plastic 3"					
OCR		2000	URET	11	\$602.40
		Utility Account Total:		77	\$819.36
380200-Services - Plastic & Copper					
Services-Plastic					
OCR		1993	URET	119	\$1,096.54
OCR		1995	URET	70	\$1,164.41
OCR		2012	URET	11	\$213.10
		Utility Account Total:		200	\$2,474.05
		Location Total:		1,676	\$4,368.91
		GL Account Total:		1,676	\$4,368.91
		Posted Retirements:		1,676	\$4,368.91
		Work Order Total:		1,676	\$4,368.91

Work Order Authorization Information

Header Detail

<p>Work Order: 801844 Work Order Title: Repl 700F 2P 63rd & Baltimore Wo Type Description: WO-Replacement Mains & Svcs MGE Work Order Group: Current Revision: 1 Funding Project: F0599 Funding Project Desc: Main Replacement - ISRS (N) Eligible for AFUDC: yes Eligible for CPI: yes Reason Code: Asset Improvements WO Description: Install ~ 700 ft of 2 in PL IP main along Baltimore.</p>	<p>Company: Spire Missouri Inc. Business Segment: Missouri West Functional Class: Distribution Plant Department Code: 20648 Department Description: Construction & Maintenance - Region 2A - Unio Budget Description: Replace cast iron main - CPI / prio Est. Annual Revenue: Reimbursement Type: None Retirement Type:</p>
<p>Major Location: 0401-KC/MO - Central Asset Location: 0401-043050 JACKSON CTY/KC</p>	<p>Status: posted to CPR</p>
<p>Estimated Start Date: Jan 02, 2018 Estimated Completion Date: Jan 05, 2018 Estimated In-Service Date: Jan 05, 2018</p> <p>Notes: Abandon ~ 551 ft of 4 in CI LP main and ~ 13 ft of 4 in ST at same location. Total Service Tie-over = 9; Total Service Replace = 3. This main is being replaced due to a leak.</p>	

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	12/18/2017
Engineering Review-Dist S	Hoferlin, Craig	\$0	1/2/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	1/2/2018

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$95.11	\$95.11	\$0.00	\$0.00
376200-Mains - Cast Iron	\$0.00	\$7,217.31	\$7,217.31	\$0.00	\$0.00
376300-Mains - Plastic	\$41,807.27	\$0.00	\$41,807.27	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$7,653.19	\$0.00	\$7,653.19	\$0.00	\$0.00
Total Estimated Costs:	\$49,460.46	\$7,312.42	\$56,772.88	\$0.00	\$0.00

Work Order Authorization Information

***** Unit Estimate *****

Asset Location

Utility Account

Retirement Unit

Est. Chg Type

Addition Dollars Retirement Dollars Add Qty Retire Qty Add Hrs Retire Hrs

0401-043050 JACKSON CTY/KC

376200-Mains - Cast Iron

Mains-Cast Iron 4"

Contract Payroll	\$0.00	\$1,236.74	0	0	0	0
Contractor Work	\$0.00	\$2,279.36	0	0	0	0
Department Clearings	\$0.00	\$1,069.78	0	0	0	0
Mechanical Equipment	\$0.00	\$102.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$691.34	0	0	0	0
Overheads Capitalized - General	\$0.00	\$1,257.91	0	0	0	0
Payroll Taxes	\$0.00	\$187.98	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	551	0	0
Stores	\$0.00	\$392.00	0	0	0	0

SubTotal Utility Account: \$0.00 \$7,217.31 0.00 551.00 0.00 0.00

376300-Mains - Plastic

Mains-Plastic 2"

Contract Payroll	\$1,296.40	\$0.00	0	0	0	0
Contractor Work	\$25,362.91	\$0.00	0	0	0	0
Department Clearings	\$1,121.39	\$0.00	0	0	0	0
Mechanical Equipment	\$268.00	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$724.69	\$0.00	0	0	0	0
Overheads Capitalized - General	\$11,531.06	\$0.00	0	0	0	0
Payroll Taxes	\$197.05	\$0.00	0	0	0	0
Stores	\$1,305.77	\$0.00	700	0	0	0

SubTotal Utility Account: \$41,807.27 \$0.00 700.00 0.00 0.00 0.00

376100-Mains - Steel

Mains-Steel 4"

Contract Payroll	\$0.00	\$32.41	0	0	0	0
Department Clearings	\$0.00	\$28.03	0	0	0	0
Mechanical Equipment	\$0.00	\$6.70	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.12	0	0	0	0
Overheads Capitalized - General	\$0.00	\$4.92	0	0	0	0
Payroll Taxes	\$0.00	\$4.93	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	13	0	0

SubTotal Utility Account: \$0.00 \$95.11 0.00 13.00 0.00 0.00

380200-Services - Plastic & Copper

Services-Plastic

Contractor Work	\$5,370.66	\$0.00	0	0	0	0
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Work Order Authorization Information

***** Unit Estimate *****

Asset Location						
Utility Account						
Retirement Unit						
Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0401-043050 JACKSON CTY/KC						
380200-Services - Plastic & Copper						
Services-Plastic						
Overheads Capitalized - General	\$2,282.53	\$0.00	0	0	0	0
SubTotal Utility Account:	\$7,653.19	\$0.00	0.00	0.00	0.00	0.00
SubTotal Location:	\$49,460.46	\$7,312.42	700.00	564.00	0.00	0.00
Total Unit Estimate:	\$49,460.46	\$7,312.42	700	564	0	0

***** Class Codes *****

Class Code	Value
cap_expense	capital
ISRS Reason	08 - Cast Iron or Bare Steel Replacement - Lea
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

***** As-Built *****

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
Used in Unitization:				
0401-043050 JACKSON CTY/KC				
376100-Mains - Steel				
Retirement				
Contract Payroll	Mains-Steel 4"		\$163.00	0
Contractor Work	Mains-Steel 4"		\$4,029.20	0
Department Clearings	Mains-Steel 4"		\$141.00	0
Overheads Capitalized - Benefits	Mains-Steel 4"		\$91.12	0
Overheads Capitalized - General	Mains-Steel 4"		\$1,722.84	0
Payroll Taxes	Mains-Steel 4"		\$24.78	0
Retirement Value	Mains-Steel 4"		\$72.30	13
Retirement Total:			\$6,244.24	13
376200-Mains - Cast Iron				
Retirement				
Contract Payroll	Mains-Cast Iron 4"		\$65.20	0
Contractor Work	Mains-Cast Iron 4"		\$2,470.48	0
Department Clearings	Mains-Cast Iron 4"		\$56.40	0

Work Order Authorization Information

***** As-Built *****

Asset Location	Utility Account	Exp Type	Retirement Unit	Job task	Dollars	Quantity
Est Charge Type						
Used in Unitization:						
0401-043050 JACKSON CTY/KC						
376200-Mains - Cast Iron						
Retirement						
Overheads Capitalized - Benefits			Mains-Cast Iron 4"		\$36.45	0
Overheads Capitalized - General			Mains-Cast Iron 4"		\$1,068.74	0
Payroll Taxes			Mains-Cast Iron 4"		\$9.91	0
Retirement Value			Mains-Cast Iron 4"		\$67.85	547
Stores			Mains-Cast Iron 4"		\$34.38	0
			Retirement Total:		\$3,809.41	547
376300-Mains - Plastic						
Addition						
Contract Payroll			Mains-Plastic 2"		\$391.20	0
Contractor Work			Mains-Plastic 2"		\$14,720.46	0
Department Clearings			Mains-Plastic 2"		\$338.39	0
Overheads Capitalized - Benefits			Mains-Plastic 2"		\$218.68	0
Overheads Capitalized - General			Mains-Plastic 2"		\$9,006.87	0
Payroll Taxes			Mains-Plastic 2"		\$59.46	0
Stores			Mains-Plastic 2"		\$6,413.27	710
			Addition Total:		\$31,148.33	710
380100-Services - Steel						
Retirement						
Contractor Work			Services-Steel		\$162.14	0
Overheads Capitalized - General			Services-Steel		\$68.91	0
Retirement Value			Services-Steel		\$16.58	42
Retirement Value			Services-Steel		\$116.89	88
			Retirement Total:		\$364.52	130
380200-Services - Plastic & Copper						
Addition						
Contract Payroll			Services-Plastic		\$244.50	0
Contractor Work			Services-Plastic		\$3,412.80	0
Department Clearings			Services-Plastic		\$211.49	0
Overheads Capitalized - Benefits			Services-Plastic		\$136.68	0
Overheads Capitalized - General			Services-Plastic		\$1,489.85	0
Payroll Taxes			Services-Plastic		\$37.16	0
Stores			Services-Plastic		\$55.92	268
			Addition Total:		\$5,588.40	268
Retirement						
Contractor Work			Services-Plastic		\$162.14	0
Overheads Capitalized - General			Services-Plastic		\$68.91	0
Retirement Value			Services-Plastic		\$79.21	10
Retirement Value			Services-Plastic		\$20.58	1
Retirement Value			Services-Plastic		\$365.12	24
Retirement Value			Services-Plastic		\$103.61	8
Retirement Value			Services-Plastic		\$1,079.77	112

Work Order Authorization Information

***** As-Built *****

Asset Location
Utility Account
Exp Type

Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
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Used in Unitization:

0401-043050 JACKSON CTY/KC
380200-Services - Plastic & Copper

Retirement

Retirement Value	Services-Plastic		\$744.03	40
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Retirement Total:			\$2,623.37	195
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	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
Location Total:	\$36,736.73	978	\$13,041.54	885

	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
Used in Unitization:	\$36,736.73	978	\$13,041.54	885

	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
Unit Estimate Total:	\$36,736.73	978	\$13,041.54	885

***** Work Order Retirements *****

Business Segment

GL Account

Asset Location

Utility Account

Retirement Unit

Asset Description

Activity
Vintage Code

Retire Qty

Retirement Amount

Posted Retirements:

Missouri West

101000::Gas Plant in Service

0401-043050 JACKSON CTY/KC

376100-Mains - Steel

Mains-Steel 4"

OCR

1970 URET

13

\$72.30

Utility Account Total:

13

\$72.30

376200-Mains - Cast Iron

Mains-Cast Iron 4"

OCR

1922 URET

547

\$67.85

Utility Account Total:

547

\$67.85

380100-Services - Steel

Services-Steel

OCR

1925 URET

42

\$16.58

OCR

1964 URET

88

\$116.89

Utility Account Total:

130

\$133.47

380200-Services - Plastic & Copper

Services-Plastic

OCR

1978 URET

10

\$79.21

OCR

1979 URET

112

\$1,079.77

OCR

1990 URET

8

\$103.61

OCR

2001 URET

1

\$20.58

OCR

2004 URET

40

\$744.03

Work Order Authorization Information

***** Work Order Retirements *****

Business Segment	GL Account	Activity		Retire Qty	Retirement Amount
Asset Location		Vintage	Code		
Utility Account					
Retirement Unit					
Asset Description					
Posted Retirements:					
Missouri West	101000::Gas Plant in Service				
0401-043050 JACKSON CTY/KC					
380200-Services - Plastic & Copper					
Services-Plastic					
OCR		2005	URET	24	\$365.12
		Utility Account Total:		195	\$2,392.32
		Location Total:		885	\$2,665.94
		GL Account Total:		885	\$2,665.94
		Posted Retirements:		885	\$2,665.94
		Work Order Total:		885	\$2,665.94

Work Order Authorization Information

Header Detail

<p>Work Order: 801284 Work Order Title: Repl 5625F 2-4P Elliot & Hwy K Wo Type Description: WO-Replacement Mains & Svcs MGE Work Order Group: Current Revision: 1 Funding Project: F0572 Funding Project Desc: Main Replacement - ISRS (SW) Eligible for AFUDC: yes Eligible for CPI: yes Reason Code: Strategic WO Description: Install 3481 ft of 2 in PL IP main and 2144 ft of 4 in PL IP main on E Crescent St, Cofield St, Elliot Ave, Tyndall St, Myrtle St, Oak Ave, Delta St, and High St.</p>	<p>Company: Spire Missouri Inc. Business Segment: Missouri West Functional Class: Distribution Plant Department Code: 20921 Department Description: Region 2B - SW Missouri - Distribution - Union Budget Description: Replace bare steel main - safety re Est. Annual Revenue: Reimbursement Type: None Retirement Type:</p>
<p>Major Location: 0809-Aurora Asset Location: 0809-050003 LAWRENCE CTY/AURORA</p>	<p>Status: posted to CPR</p>

Estimated Start Date: Mar 13, 2017 **Estimated Completion Date:** Jun 30, 2017 **Estimated In-Service Date:** Jun 30, 2017

Notes: Abandon 183 Ft of 1 1/4 in PL LP main, 37 Ft of 2 in PL LP main, 55 Ft of 1 1/4 in ST LP main, 5677 Ft of 2 in ST LP main, and 5 Ft of 4 in ST LP main at the above locations. Uprate 1548 ft of 2 in PL LP main on High St and Delta St. Total Service Tie-over = 40; Total Service Replace = 3; Total Service Abandonments = 15; Total Service Upgrade = 9. This main is being replaced as part of FY17 Bare Steel Replacement Program. 3 - #3 Leaks due by July 2017. Note: 41 feet of 1 1/4" Mains Steel was deleted from the Estimate As-Built since there was nothing PowerPlan could match for retirement. - Mike Griewing

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	3/10/2017
Engineering Review-Dist	Hoeflerlin, Craig	\$0	3/20/2017
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	3/21/2017

***** Unit Estimate *****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$12,003.36	\$12,003.36	\$0.00	\$0.00
376300-Mains - Plastic	\$248,727.72	\$399.69	\$249,127.41	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$3,866.73	\$0.00	\$3,866.73	\$0.00	\$0.00
Total Estimated Costs:	\$252,594.45	\$12,403.05	\$264,997.50	\$0.00	\$0.00

Work Order Authorization Information

***** Unit Estimate *****

Asset Location Utility Account Retirement Unit Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0809-050003 LAWRENCE CTY/AUR						
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$1,511.07	\$32.41	0	0	0	0
Contractor Work	\$86,822.81	\$212.02	0	0	0	0
Department Clearings	\$1,307.08	\$28.03	0	0	0	0
Mechanical Equipment	\$301.50	\$6.70	0	0	0	0
Overheads Capitalized - Benefits	\$844.69	\$18.12	0	0	0	0
Overheads Capitalized - General	\$39,068.94	\$95.76	0	0	0	0
Payroll Taxes	\$229.68	\$4.93	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	220	0	0
Stores	\$4,575.06	\$1.72	3481	0	0	0
Mains-Plastic 4"						
Contract Payroll	\$907.48	\$0.00	0	0	0	0
Contractor Work	\$72,225.85	\$0.00	0	0	0	0
Department Clearings	\$784.97	\$0.00	0	0	0	0
Mechanical Equipment	\$187.60	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$507.28	\$0.00	0	0	0	0
Overheads Capitalized - General	\$33,363.51	\$0.00	0	0	0	0
Payroll Taxes	\$137.94	\$0.00	0	0	0	0
Stores	\$5,952.26	\$0.00	2144	0	0	0
SubTotal Utility Account:	\$248,727.72	\$399.69	5,625.00	220.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$550.97	0	0	0	0
Contractor Work	\$0.00	\$3,869.92	0	0	0	0
Department Clearings	\$0.00	\$476.59	0	0	0	0
Mechanical Equipment	\$0.00	\$113.90	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$307.99	0	0	0	0
Overheads Capitalized - General	\$0.00	\$1,895.00	0	0	0	0
Payroll Taxes	\$0.00	\$83.75	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	5732	0	0
Stores	\$0.00	\$392.04	0	0	0	0
Mains-Steel 4"						
Contract Payroll	\$0.00	\$32.41	0	0	0	0
Contractor Work	\$0.00	\$2,341.74	0	0	0	0
Department Clearings	\$0.00	\$28.03	0	0	0	0
Mechanical Equipment	\$0.00	\$6.70	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.12	0	0	0	0

Work Order Authorization Information

***** Unit Estimate *****

Asset Location	Utility Account	Retirement Unit	Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0809-050003	LAWRENCE CTY/AUR								
	376100-Mains - Steel								
	Mains-Steel 4"								
	Overheads Capitalized - General			\$0.00	\$1,262.95	0	0	0	0
	Payroll Taxes			\$0.00	\$4.93	0	0	0	0
	Retirement Value			\$0.00	\$0.00	0	5	0	0
	Stores			\$0.00	\$618.32	0	0	0	0
	SubTotal Utility Account:			\$0.00	\$12,003.36	0.00	5,737.00	0.00	0.00
	380200-Services - Plastic & Copper								
	Services-Plastic								
	Contract Payroll			\$78.09	\$0.00	0	0	0	0
	Contractor Work			\$2,568.82	\$0.00	0	0	0	0
	Department Clearings			\$67.55	\$0.00	0	0	0	0
	Overheads Capitalized - Benefits			\$43.65	\$0.00	0	0	0	0
	Overheads Capitalized - General			\$1,096.75	\$0.00	0	0	0	0
	Payroll Taxes			\$11.87	\$0.00	0	0	0	0
	SubTotal Utility Account:			\$3,866.73	\$0.00	0.00	0.00	0.00	0.00
	SubTotal Location:			\$252,594.45	\$12,403.05	5,625.00	5,957.00	0.00	0.00
	Total Unit Estimate:			\$252,594.45	\$12,403.05	5,625	5,957	0	0

***** Class Codes *****

Class Code	Value
cap_expense	capital
CWIP Property Tax Type	MO-CWIP-Distribution Real
ISRS Reason	03 - Bare Steel Replacement
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

Work Order Authorization Information

***** As-Built *****

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
Used in Unitization:							
0809-050003 LAWRENCE CTY/AURORA							
376100-Mains - Steel							
Retirement							
				Contract Payroll	Mains-Steel 2"	\$5,283.84	0
				Contract Payroll	Mains-Steel 4"	\$2,936.65	0
				Contractor Work	Mains-Steel 4"	\$5,933.28	0
				Contractor Work	Mains-Steel Under 2"	\$5,933.28	0
				Contractor Work	Mains-Steel 2"	\$5,933.28	0
				Department Clearings	Mains-Steel 2"	\$4,570.52	0
				Department Clearings	Mains-Steel 4"	\$2,540.20	0
				Overheads Capitalized - Benefits	Mains-Steel 4"	\$1,641.59	0
				Overheads Capitalized - Benefits	Mains-Steel 2"	\$2,953.67	0
				Overheads Capitalized - General	Mains-Steel Under 2"	\$2,521.64	0
				Overheads Capitalized - General	Mains-Steel 2"	\$3,037.25	0
				Overheads Capitalized - General	Mains-Steel 4"	\$3,006.90	0
				Payroll Taxes	Mains-Steel 2"	\$803.14	0
				Payroll Taxes	Mains-Steel 4"	\$446.37	0
				Retirement Value	Mains-Steel 2"	\$226.68	328
				Retirement Value	Mains-Steel 2"	\$171.37	214
				Retirement Value	Mains-Steel 2"	\$38.74	52
				Retirement Value	Mains-Steel 2"	\$224.07	83
				Retirement Value	Mains-Steel 2"	\$176.97	355
				Retirement Value	Mains-Steel 2"	\$78.28	70
				Retirement Value	Mains-Steel 2"	\$604.12	435
				Retirement Value	Mains-Steel 2"	\$374.37	348
				Retirement Value	Mains-Steel 2"	\$257.09	84
				Retirement Value	Mains-Steel 2"	\$3,601.14	140
				Retirement Value	Mains-Steel 2"	\$1,078.41	1,428
				Retirement Value	Mains-Steel 2"	\$193.89	29
				Retirement Value	Mains-Steel 4"	\$15.21	44
				Retirement Value	Mains-Steel 2"	\$64.13	48
				Retirement Value	Mains-Steel 2"	\$527.77	339
				Retirement Value	Mains-Steel 2"	\$497.91	1,775
				Stores	Mains-Steel 4"	\$699.55	0
				Stores	Mains-Steel 2"	\$417.50	0
Retirement Total:						\$56,788.81	5,772
376300-Mains - Plastic							
Addition							
				Contract Payroll	Mains-Plastic 4"	\$37,075.05	0
				Contract Payroll	Mains-Plastic 2"	\$31,872.80	0
				Contractor Work	Mains-Plastic 4"	\$22,776.66	0
				Contractor Work	Mains-Plastic 2"	\$22,776.66	0
				Department Clearings	Mains-Plastic 4"	\$32,069.92	0
				Department Clearings	Mains-Plastic 2"	\$27,569.97	0
				Overheads Capitalized - Benefits	Mains-Plastic 4"	\$20,724.95	0
				Overheads Capitalized - Benefits	Mains-Plastic 2"	\$17,816.90	0
				Overheads Capitalized - General	Mains-Plastic 2"	\$14,849.86	0

Work Order Authorization Information

***** As-Built *****

Asset Location

Utility Account

Exp Type

Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
Used in Unitization:				
0809-050003 LAWRENCE CTY/AURORA				
376300-Mains - Plastic				
Addition				
Overheads Capitalized - General	Mains-Plastic 4"		\$15,878.37	0
Payroll Taxes	Mains-Plastic 2"		\$4,844.67	0
Payroll Taxes	Mains-Plastic 4"		\$5,635.41	0
Stores	Mains-Plastic 4"		\$9,001.14	2,151
Stores	Mains-Plastic 2"		\$7,364.51	3,640
		Addition Total:	\$270,256.87	5,791
Retirement				
Contract Payroll	Mains-Plastic 2"		\$884.16	0
Contractor Work	Mains-Plastic 2"		\$5,933.28	0
Contractor Work	Mains-Plastic Under 2"		\$5,933.28	0
Department Clearings	Mains-Plastic 2"		\$764.80	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$494.25	0
Overheads Capitalized - General	Mains-Plastic Under 2"		\$2,521.64	0
Overheads Capitalized - General	Mains-Plastic 2"		\$2,579.05	0
Payroll Taxes	Mains-Plastic 2"		\$134.39	0
Retirement Value	Mains-Plastic Under 2"		\$3,318.60	204
Retirement Value	Mains-Plastic 2"		\$240.75	46
Retirement Value	Mains-Plastic 2"		\$116.26	25
Stores	Mains-Plastic 2"		\$1.94	0
		Retirement Total:	\$22,922.40	275
380100-Services - Steel				
Retirement				
Contract Payroll	Services-Steel		\$62.18	0
Department Clearings	Services-Steel		\$53.79	0
Overheads Capitalized - Benefits	Services-Steel		\$34.76	0
Overheads Capitalized - General	Services-Steel		\$3.98	0
Payroll Taxes	Services-Steel		\$9.45	0
Retirement Value	Services-Steel		\$8.28	12
Retirement Value	Services-Steel		\$4.14	6
Retirement Value	Services-Steel		\$8.28	12
Retirement Value	Services-Steel		\$22.08	32
Retirement Value	Services-Steel		\$2.07	3
		Retirement Total:	\$209.01	65
380200-Services - Plastic & Copper				
Addition				
Contract Payroll	Services-Plastic		\$1,322.40	0
Contractor Work	Services-Plastic		\$8,636.92	0
Department Clearings	Services-Plastic		\$1,143.88	0
Overheads Capitalized - Benefits	Services-Plastic		\$739.22	0
Overheads Capitalized - General	Services-Plastic		\$3,892.22	0
Payroll Taxes	Services-Plastic		\$201.00	0
Stores	Services-Plastic		\$322.10	370
		Addition Total:	\$16,257.74	370

Work Order Authorization Information

***** As-Built *****

***** As-Built *****					
Asset Location					
Utility Account					
Exp Type					
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity	
Used in Unitization:					
0809-050003 LAWRENCE CTY/AURORA					
380200-Services - Plastic & Copper					
Retirement					
Contract Payroll	Services-Plastic		\$93.26	0	
Department Clearings	Services-Plastic		\$80.67	0	
Overheads Capitalized - Benefits	Services-Plastic		\$52.13	0	
Overheads Capitalized - General	Services-Plastic		\$5.97	0	
Payroll Taxes	Services-Plastic		\$14.18	0	
Retirement Value	Services-Plastic		\$196.50	31	
Retirement Value	Services-Plastic		\$30.78	4	
Retirement Value	Services-Plastic		\$5.79	1	
Retirement Value	Services-Plastic		\$24.09	4	
Retirement Value	Services-Plastic		\$460.80	89	
Retirement Value	Services-Plastic		\$5,492.46	471	
Retirement Value	Services-Plastic		\$680.19	14	
Retirement Value	Services-Plastic		\$214.19	20	
Retirement Value	Services-Plastic		\$101.00	3	
Retirement Value	Services-Plastic		\$12.49	1	
Retirement Value	Services-Plastic		\$4.70	1	
Retirement Value	Services-Plastic		\$146.45	16	
Retirement Value	Services-Plastic		\$1,128.29	129	
Retirement Value	Services-Plastic		\$672.67	79	
Retirement Value	Services-Plastic		\$2.88	8	
Retirement Total:			\$9,419.49	871	
Location Total:		<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
		\$286,514.61	6,161	\$89,339.71	6,983
Used in Unitization:		<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
		\$286,514.61	6,161	\$89,339.71	6,983
Unit Estimate Total:		<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
		\$286,514.61	6,161	\$89,339.71	6,983

***** Work Order Retirements *****

Business Segment	GL Account			
Asset Location				
Utility Account				
Retirement Unit				
Asset Description	Vintage	Activity Code	Retire Qty	Retirement Amount
Posted Retirements:				
Missouri West	101000::Gas Plant in Service			
0809-050003 LAWRENCE CTY/AURORA				
376100-Mains - Steel				
Mains-Steel 2"				
OCR	1939	URET	1,775	\$497.91

OCR

Work Order Authorization Information

1947 URET

355

\$176.97

***** Work Order Retirements *****

Business Segment	GL Account				
Asset Location					
Utility Account					
Retirement Unit					
OCR Description		Vintage	Activity Code	Retire Qty	Retirement Amount
OCR		1950	URET	1,428	\$1,078.41
OCR		1953	URET	348	\$374.37
OCR		1955	URET	52	\$38.74
OCR		1956	URET	214	\$171.37
OCR		1960	URET	70	\$78.28
OCR		1962	URET	48	\$64.13
OCR		1968	URET	339	\$527.77
OCR		1971	URET	435	\$604.12

Work Order Authorization Information

***** Work Order Retirements *****

Business Segment	GL Account			
Asset Location				
Utility Account		1975 URET	84	\$257.09
Retirement Unit		Activity		
Asset Description		Vintage	Code	Retire Qty Retirement Amount
OCR		1979	URET	29 \$193.89
OCR	Mains-Steel 4"	1994	URET	140 \$3,601.14
OCR		1939	URET	44 \$15.21
		Utility Account Total:		5,772 \$8,130.15
376300-Mains - Plastic				
	Mains-Plastic 2"			
OCR		1981	URET	46 \$240.75
OCR	Mains-Plastic Under 2"	1995	URET	25 \$116.26
1 1/4 inch Plastic Pipe: NEW	230809: TransType=B 1/1/2018 00:00:00	1994	URET	204 \$3,318.60
		Utility Account Total:		275 \$3,675.61
380100-Services - Steel				
	Services-Steel			
OCR		1960	URET	6 \$4.14
OCR		1960	URET	12 \$8.28

***** Work Order Retirements *****

Business Segment	GL Account	1960 Vintage	Utility Code	Retire Qty	Retirement Amount
Asset Location				32	\$22.08
Utility Account					
Retirement Unit					
Asset Description					
OCR		1960	URET	3	\$2.07
		Utility Account Total:		65	\$44.85
380200-Services - Plastic & Copper					
Services-Plastic					
OCR		1974	URET	8	\$2.88
OCR		1983	URET	31	\$196.50
OCR		1986	URET	1	\$4.70
OCR		1987	URET	4	\$24.09
OCR		1988	URET	16	\$146.45
OCR		1989	URET	89	\$460.80
OCR		1993	URET	79	\$672.67

1994 URET
Work Order Authorization Information

***** Work Order Retirements *****

Business Segment	GL Account	1995 Vintage	URET Activity Code	Retire Qty	Retirement Amount
OCR				1	\$12.49
OCR		1996	URET	471	\$5,492.46
OCR		1998	URET	4	\$30.78
OCR		2000	URET	129	\$1,128.29
OCR		2015	URET	1	\$5.79
OCR		2016	URET	3	\$101.00
OCR		2017	URET	14	\$680.19
Utility Account Total:				871	\$9,173.28
Location Total:				6,983	\$21,023.89
GL Account Total:				6,983	\$21,023.89
Posted Retirements:				6,983	\$21,023.89
Work Order Total:				6,983	\$21,023.89

Work Order Authorization Information

Header Detail

<p>Work Order: 802431 Work Order Title: Repl 968F 2P 33rd-34th Joplin Ave Wo Type Description: WO-Replacement Mains & Svcs MGE Work Order Group: Current Revision: 1 Funding Project: F0572 Funding Project Desc: Main Replacement - ISRS (SW) Eligible for AFUDC: yes Eligible for CPI: yes Reason Code: Strategic WO Description: Install 968 Ft of 2in PL MP main on S Joplin Ave between W 33rd St and W 34th St.</p>	<p>Company: Spire Missouri Inc. Business Segment: Missouri West Functional Class: Distribution Plant Department Code: 20921 Department Description: Region 2B - SW Missouri - Distribution - Union Budget Description: Replace bare steel main - safety re Est. Annual Revenue: Reimbursement Type: None Retirement Type:</p>
<p>Major Location: 0501-Joplin Asset Location: 0501-044001 JASPER CTY/JOPLIN</p>	<p>Status: in service</p>
<p>Estimated Start Date: Jan 07, 2019 Estimated Completion Date: Jan 28, 2019 Estimated In-Service Date: Jan 28, 2019</p>	
<p>Notes: Abandon 840 Ft of 2in ST MP main on S Joplin Ave between W 33rd St and W 34th St. Total Service Tie-overs= 21; Total Service Replacements= 0; Total Service Abandons=0. Replace bare steel and isolated steel due to leaks. ISRS recoverable due to replacing bare steel main. Due to leaks: 3305 S Joplin leak id 5044027. 3316 S Joplin leak id 5027183. 3324 S Joplin leak id 478550. 3328 S Joplin leak id 5100423. 3329 S Joplin leak id 5098731.</p>	

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	3/15/2019
Engineering Review-Dist	Hoeflerlin, Craig	\$0	3/26/2019
VP Field Operations-MGE	Goodson, Timothy	\$1,000,000	3/27/2019

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$771.56	\$771.56	\$0.00	\$0.00
376300-Mains - Plastic	\$47,025.86	\$2,760.70	\$49,786.56	\$0.00	\$0.00
Total Estimated Costs:	\$47,025.86	\$3,532.26	\$50,558.12	\$0.00	\$0.00

Work Order Authorization Information

***** Unit Estimate *****

Asset Location Utility Account Retirement Unit Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0501-044001 JASPER CTY/JOPLIN						
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$1,216.18	\$0.00	0	0	0	0
Contractor Work	\$24,279.22	\$1,714.72	0	0	0	0
Department Clearings	\$1,787.78	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$1,070.24	\$0.00	0	0	0	0
Overheads Capitalized - General	\$16,273.82	\$1,045.98	0	0	0	0
Payroll Taxes	\$184.86	\$0.00	0	0	0	0
Stores	\$2,213.76	\$0.00	968	0	0	0
SubTotal Utility Account:	\$47,025.86	\$2,760.70	968.00	0.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$214.62	0	0	0	0
Department Clearings	\$0.00	\$315.49	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$188.87	0	0	0	0
Overheads Capitalized - General	\$0.00	\$19.96	0	0	0	0
Payroll Taxes	\$0.00	\$32.62	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	840	0	0
SubTotal Utility Account:	\$0.00	\$771.56	0.00	840.00	0.00	0.00
SubTotal Location:	\$47,025.86	\$3,532.26	968.00	840.00	0.00	0.00
Total Unit Estimate:	\$47,025.86	\$3,532.26	968	840	0	0

***** Class Codes *****

Class Code	Value
cap_expense	capital
ISRS Reason	08 - Cast Iron or Bare Steel Replacement - Lea
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

Work Order Authorization Information

***** As-Built *****

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
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Available for Unitization:

0501-044001 JASPER CTY/JOPLIN
376100-Mains - Steel

Retirement

Contract Payroll	Mains-Steel 2"	\$1,073.10	0
Contractor Work	Mains-Steel 2"	\$2,200.20	0
Department Clearings	Mains-Steel 2"	\$1,577.46	0
Overheads Capitalized - Benefits	Mains-Steel 2"	\$944.33	0
Overheads Capitalized - General	Mains-Steel 2"	\$1,441.92	0
Payroll Taxes	Mains-Steel 2"	\$163.11	0
Retirement Value	Mains-Steel 2"	\$38.91	51
Retirement Value	Mains-Steel 2"	\$57.03	69
Retirement Value	Mains-Steel 2"	\$120.29	286
Retirement Value	Mains-Steel 2"	\$159.08	271
Retirement Value	Mains-Steel 2"	\$5.84	19
Retirement Value	Mains-Steel 2"	\$474.43	176
Retirement Total:		\$8,255.70	872

376300-Mains - Plastic

Addition

Contract Payroll	Mains-Plastic Under 2"	\$178.85	0
Contract Payroll	Mains-Plastic 2"	\$1,073.10	0
Contractor Work	Mains-Plastic Under 2"	\$386.00	0
Contractor Work	Mains-Plastic 2"	\$44,737.88	0
Department Clearings	Mains-Plastic 2"	\$1,577.46	0
Department Clearings	Mains-Plastic Under 2"	\$262.91	0
Overheads Capitalized - Benefits	Mains-Plastic 2"	\$944.33	0
Overheads Capitalized - Benefits	Mains-Plastic Under 2"	\$157.39	0
Overheads Capitalized - General	Mains-Plastic 2"	\$28,806.53	0
Overheads Capitalized - General	Mains-Plastic Under 2"	\$257.55	0
Payroll Taxes	Mains-Plastic Under 2"	\$27.19	0
Payroll Taxes	Mains-Plastic 2"	\$163.11	0
Stores	Mains-Plastic 2"	\$2,322.34	1,007
Stores	Mains-Plastic Under 2"	\$8.95	3
Addition Total:		\$80,903.59	1,010

Retirement

Contract Payroll	Mains-Plastic 2"	\$35.77	0
Contractor Work	Mains-Plastic 2"	\$34.74	0
Department Clearings	Mains-Plastic 2"	\$52.58	0
Overheads Capitalized - Benefits	Mains-Plastic 2"	\$31.48	0
Overheads Capitalized - General	Mains-Plastic 2"	\$24.52	0
Payroll Taxes	Mains-Plastic 2"	\$5.44	0
Retirement Value	Mains-Plastic 2"	\$12.77	3
Retirement Total:		\$197.30	3

380200-Services - Plastic & Copper

Addition

Contract Payroll	Services-Plastic	\$894.25	0
Contractor Work	Services-Plastic	\$3,324.80	0
Department Clearings	Services-Plastic	\$1,314.55	0

Work Order Authorization Information

***** As-Built *****

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity		
Available for Unitization:									
0501-044001 JASPER CTY/JOPLIN									
380200-Services - Plastic & Copper									
Addition									
	Overheads Capitalized - Benefits			Services-Plastic		\$786.94	0		
	Overheads Capitalized - General			Services-Plastic		\$2,242.08	0		
	Payroll Taxes			Services-Plastic		\$135.93	0		
	Stores			Services-Plastic		\$214.41	131		
Addition Total:						\$8,912.96	131		
Retirement									
	Contractor Work			Services-Plastic		\$354.97	0		
	Overheads Capitalized - General			Services-Plastic		\$216.53	0		
	Retirement Value			Services-Plastic		\$887.87	101		
	Retirement Value			Services-Plastic		\$144.51	14		
	Retirement Value			Services-Plastic		\$257.07	16		
	Retirement Value			Services-Plastic		\$117.41	18		
	Retirement Value			Services-Plastic		\$28.92	2		
Retirement Total:						\$2,007.28	151		
		<u>Addition Dollars</u>		<u>Add Qty</u>		<u>Retirement Dollars</u>		<u>Retire Qty</u>	
Location Total:		\$89,816.55		1,141		\$10,460.28		1,026	
		<u>Addition Dollars</u>		<u>Add Qty</u>		<u>Retirement Dollars</u>		<u>Retire Qty</u>	
Available for Unitization:		\$89,816.55		1,141		\$10,460.28		1,026	
		<u>Addition Dollars</u>		<u>Add Qty</u>		<u>Retirement Dollars</u>		<u>Retire Qty</u>	
Unit Estimate Total:		\$89,816.55		1,141		\$10,460.28		1,026	

***** Work Order Retirements *****

Business Segment	GL Account	Asset Location	Utility Account	Retirement Unit	Asset Description	Vintage	Activity Code	Retire Qty	Retirement Amount
Selected Retirements:									
Missouri West	101000::Gas Plant in Service	0501-044001	JASPER CTY/JOPLIN	376100-Mains - Steel	Mains-Steel 2"				
				OCR		1941	URET	286	\$120.29
				OCR		1946	URET	271	\$159.08
				OCR		1948	URET	51	\$38.91
				OCR		1950	URET	69	\$57.03
				OCR		1964	URET	176	\$474.43

Work Order Authorization Information

***** Work Order Retirements *****

Business Segment	GL Account				
Asset Location					
Utility Account					
Retirement Unit					
Asset Description		Vintage	Activity Code	Retire Qty	Retirement Amount
Selected Retirements:					
Missouri West	101000::Gas Plant in Service				
0501-044001 JASPER CTY/JOPLIN					
376100-Mains - Steel					
Mains-Steel 2"					
OCR		1965	URET	19	\$5.84
		Utility Account Total:		872	\$855.58
376300-Mains - Plastic					
Mains-Plastic 2"					
OCR		1978	URET	3	\$12.77
		Utility Account Total:		3	\$12.77
380200-Services - Plastic & Copper					
Services-Plastic					
OCR		1987	URET	14	\$144.51
OCR		1988	URET	18	\$117.41
OCR		1989	URET	16	\$257.07
OCR		1990	URET	2	\$28.92
OCR		1994	URET	101	\$887.87
		Utility Account Total:		151	\$1,435.78
		Location Total:		1,026	\$2,304.13
		GL Account Total:		1,026	\$2,304.13
		Selected Retirements:		1,026	\$2,304.13
		Work Order Total:		1,026	\$2,304.13

Work Order Authorization Information

Header Detail

<p>Work Order: 802276</p> <p>Work Order Title: Repl 139F 2P 20th & Jackson</p> <p>Wo Type Description: WO-Replacement Mains & Svcs MGE</p> <p>Work Order Group:</p> <p>Current Revision: 1</p> <p>Funding Project: F0599</p> <p>Funding Project Desc: Main Replacement - ISRS (N)</p> <p>Eligible for AFUDC: yes Eligible for CPI: yes</p> <p>Reason Code: System Integrity</p> <p>WO Description: Install ~139 Ft of 2 in PL LP Main. Abandon ~ 139 Ft of 2 in ST LP Main. Total Service Tie-over = 2. Main is being replaced due to leak. This is not a reimbursable project.</p> <p>Major Location: 0401-KC/MO - Central</p> <p>Asset Location: 0401-043050 JACKSON CTY/KC</p> <p>Estimated Start Date: Sep 24, 2018 Estimated Completion Date: Sep 28, 2018 Estimated In-Service Date: Sep 28, 2018</p> <p>Notes:</p>	<p>Company: Spire Missouri Inc.</p> <p>Business Segment: Missouri West</p> <p>Functional Class: Distribution Plant</p> <p>Department Code: 20648</p> <p>Department Description: Construction & Maintenance - Region 2A - Unio</p> <p>Budget Description: Replace cast iron main - CPI / prio</p> <p>Est. Annual Revenue:</p> <p>Reimbursement Type: None</p> <p>Retirement Type:</p> <p>Status: posted to CPR</p>
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Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	9/17/2018
Engineering Review-Dist	Hoeflerlin, Craig	\$0	9/18/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	9/19/2018

***** Unit Estimate *****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$344.26	\$3,666.17	\$4,010.43	\$0.00	\$0.00
376300-Mains - Plastic	\$18,352.65	\$0.00	\$18,352.65	\$0.00	\$0.00
Total Estimated Costs:	\$18,696.91	\$3,666.17	\$22,363.08	\$0.00	\$0.00

Work Order Authorization Information

***** Unit Estimate *****

Asset Location						
Utility Account						
Retirement Unit						
Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0401-043050 JACKSON CTY/KC						
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$6,534.67	\$0.00	0	0	0	0
Department Clearings	\$5,652.49	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$3,652.88	\$0.00	0	0	0	0
Overheads Capitalized - General	\$746.62	\$0.00	0	0	0	0
Payroll Taxes	\$993.27	\$0.00	0	0	0	0
Stores	\$772.72	\$0.00	139	0	0	0
SubTotal Utility Account:	\$18,352.65	\$0.00	139.00	0.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$130.40	\$1,388.70	0	0	0	0
Department Clearings	\$112.80	\$1,201.23	0	0	0	0
Overheads Capitalized - Benefits	\$72.89	\$776.28	0	0	0	0
Overheads Capitalized - General	\$8.35	\$88.88	0	0	0	0
Payroll Taxes	\$19.82	\$211.08	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	139	0	0
SubTotal Utility Account:	\$344.26	\$3,666.17	0.00	139.00	0.00	0.00
SubTotal Location:	\$18,696.91	\$3,666.17	139.00	139.00	0.00	0.00
Total Unit Estimate:	\$18,696.91	\$3,666.17	139	139	0	0

***** Class Codes *****

Class Code	Value
cap_expense	capital
ISRS Reason	03 - Bare Steel Replacement
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

Work Order Authorization Information

***** As-Built *****

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
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Used in Unitization:

0401-043050 JACKSON CTY/KC
376100-Mains - Steel

Retirement

Contract Payroll	Mains-Steel 2"					\$1,847.11	0
Department Clearings	Mains-Steel 2"					\$2,715.25	0
Overheads Capitalized - Benefits	Mains-Steel 2"					\$1,625.46	0
Overheads Capitalized - General	Mains-Steel 2"					\$171.78	0
Payroll Taxes	Mains-Steel 2"					\$280.76	0
Retirement Value	Mains-Steel 2"					\$1,580.99	125

Retirement Total: \$8,221.35 125

376300-Mains - Plastic

Addition

Contract Payroll	Mains-Plastic 2"					\$6,795.36	0
Contract Payroll	Mains-Plastic 2"					\$143.08	0
Department Clearings	Mains-Plastic 2"					\$210.33	0
Department Clearings	Mains-Plastic 2"					\$9,989.18	0
Overheads Capitalized - Benefits	Mains-Plastic 2"					\$5,979.92	0
Overheads Capitalized - Benefits	Mains-Plastic 2"					\$125.91	0
Overheads Capitalized - General	Mains-Plastic 2"					\$13.31	0
Overheads Capitalized - General	Mains-Plastic 2"					\$1,080.17	0
Payroll Taxes	Mains-Plastic 2"					\$1,032.89	0
Payroll Taxes	Mains-Plastic 2"					\$21.75	0
Stores	Mains-Plastic 2"					\$734.75	117

Addition Total: \$26,126.65 117

	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
Location Total:	\$26,126.65	117	\$8,221.35	125

	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
Used in Unitization:	\$26,126.65	117	\$8,221.35	125

	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
Unit Estimate Total:	\$26,126.65	117	\$8,221.35	125

***** Work Order Retirements *****

Business Segment	GL Account	Asset Location	Utility Account	Retirement Unit	Asset Description	Vintage	Activity Code	Retire Qty	Retirement Amount
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Posted Retirements:

Missouri West	101000::Gas Plant in Service	0401-043050 JACKSON CTY/KC	376100-Mains - Steel	Mains-Steel 2"					
OCR						1995	URET	125	\$1,580.99
Utility Account Total:								125	\$1,580.99

Work Order Authorization Information

6/17/19 12:51pm

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Work Order Authorization Information

Header Detail

<p>Work Order: 802032 Work Order Title: Repl 360F 2P 33rd & Highland Wo Type Description: WO-Replacement Mains & Svcs MGE Work Order Group: Current Revision: 1 Funding Project: F0599 Funding Project Desc: Main Replacement - ISRS (N) Eligible for AFUDC: yes Eligible for CPI: yes Reason Code: Strategic WO Description: Install 360 Ft. of 2 inch PL IP Main on 33rd St., and Highland Ave.</p>	<p>Company: Spire Missouri Inc. Business Segment: Missouri West Functional Class: Distribution Plant Department Code: 20648 Department Description: Construction & Maintenance - Region 2A - Unio Budget Description: Replace cast iron main - CPI / prio Est. Annual Revenue: Reimbursement Type: None Retirement Type:</p>
<p>Major Location: 0401-KC/MO - Central Asset Location: 0401-043050 JACKSON CTY/KC</p>	<p>Status: posted to CPR</p>

Estimated Start Date: Jun 25, 2018 **Estimated Completion Date:** Sep 28, 2018 **Estimated In-Service Date:** Sep 28, 2018

Notes: Abandon 354 Ft of 4 in CI LP Main on the above mentioned streets. Total Service Tie-over =5; Total Service Abandoned = 1; Total Service Replace = 0. This main is being replaced due to a leak and is part of FY18 Cast Iron Replacement Program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	5/15/2018
Engineering Review-Dist	Hoferlin, Craig	\$0	5/29/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	5/30/2018

***** Unit Estimate *****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376200-Mains - Cast Iron	\$0.00	\$7,537.16	\$7,537.16	\$0.00	\$0.00
376300-Mains - Plastic	\$25,781.79	\$0.00	\$25,781.79	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$364.94	\$0.00	\$364.94	\$0.00	\$0.00
Total Estimated Costs:	\$26,146.73	\$7,537.16	\$33,683.89	\$0.00	\$0.00

Work Order Authorization Information

***** Unit Estimate *****

Asset Location						
Utility Account						
Retirement Unit						
Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0401-043050 JACKSON CTY/KC						
376200-Mains - Cast Iron						
Mains-Cast Iron 4"						
Contract Payroll	\$0.00	\$65.20	0	0	0	0
Contractor Work	\$0.00	\$4,902.42	0	0	0	0
Department Clearings	\$0.00	\$56.40	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$36.45	0	0	0	0
Overheads Capitalized - General	\$0.00	\$2,200.76	0	0	0	0
Payroll Taxes	\$0.00	\$9.91	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	354	0	0
Stores	\$0.00	\$266.02	0	0	0	0
SubTotal Utility Account:	\$0.00	\$7,537.16	0.00	354.00	0.00	0.00
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$163.00	\$0.00	0	0	0	0
Contractor Work	\$16,658.81	\$0.00	0	0	0	0
Department Clearings	\$141.00	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$91.12	\$0.00	0	0	0	0
Overheads Capitalized - General	\$7,571.39	\$0.00	0	0	0	0
Payroll Taxes	\$24.78	\$0.00	0	0	0	0
Stores	\$1,131.69	\$0.00	360	0	0	0
SubTotal Utility Account:	\$25,781.79	\$0.00	360.00	0.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$256.10	\$0.00	0	0	0	0
Overheads Capitalized - General	\$108.84	\$0.00	0	0	0	0
SubTotal Utility Account:	\$364.94	\$0.00	0.00	0.00	0.00	0.00
SubTotal Location:	\$26,146.73	\$7,537.16	360.00	354.00	0.00	0.00
Total Unit Estimate:	\$26,146.73	\$7,537.16	360	354	0	0

***** Class Codes *****

Class Code	Value
cap_expense	capital
ISRS Reason	08 - Cast Iron or Bare Steel Replacement - Lea
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod

Work Order Authorization Information

***** Class Codes *****					
Class Code	Value				
Project Classification	both				
***** As-Built *****					
Asset Location					
Utility Account					
Exp Type					
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity	
Used in Unitization:					
0401-043050 JACKSON CTY/KC					
376200-Mains - Cast Iron					
Retirement					
Contractor Work	Mains-Cast Iron 4"		\$6,611.71	0	
Overheads Capitalized - General	Mains-Cast Iron 4"		\$4,073.48	0	
Retirement Value	Mains-Cast Iron 4"		\$43.91	354	
Stores	Mains-Cast Iron 4"		\$66.13	0	
Retirement Total:			\$10,795.23	354	
376300-Mains - Plastic					
Addition					
Contract Payroll	Mains-Plastic 2"		\$4,318.54	0	
Contractor Work	Mains-Plastic 2"		\$6,569.26	0	
Department Clearings	Mains-Plastic 2"		\$6,348.25	0	
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$3,800.32	0	
Overheads Capitalized - General	Mains-Plastic 2"		\$4,959.70	0	
Payroll Taxes	Mains-Plastic 2"		\$656.42	0	
Stores	Mains-Plastic 2"		\$903.00	372	
Addition Total:			\$27,555.49	372	
Retirement					
Contractor Work	Mains-Plastic 4"		\$1,963.59	0	
Overheads Capitalized - General	Mains-Plastic 4"		\$1,197.79	0	
Retirement Value	Mains-Plastic 4"		\$1,697.40	5	
Retirement Total:			\$4,858.78	5	
380200-Services - Plastic & Copper					
Retirement					
Retirement Value	Services-Plastic		\$1,019.08	177	
Retirement Value	Services-Plastic		\$671.24	64	
Retirement Total:			\$1,690.32	241	
Location Total:		Addition Dollars	Add Qty	Retirement Dollars	Retire Qty
		\$27,555.49	372	\$17,344.33	600
Used in Unitization:		Addition Dollars	Add Qty	Retirement Dollars	Retire Qty
		\$27,555.49	372	\$17,344.33	600
Unit Estimate Total:		Addition Dollars	Add Qty	Retirement Dollars	Retire Qty
		\$27,555.49	372	\$17,344.33	600

Work Order Authorization Information

***** Work Order Retirements *****

Business Segment	GL Account				
Asset Location					
Utility Account					
Retirement Unit			Activity		
Asset Description		Vintage	Code	Retire Qty	Retirement Amount
Posted Retirements:					
Missouri West	101000::Gas Plant in Service				
0401-043050 JACKSON CTY/KC					
376200-Mains - Cast Iron					
Mains-Cast Iron 4"					
OCR		1922	URET	354	\$43.91
				Utility Account Total:	354
					\$43.91
376300-Mains - Plastic					
Mains-Plastic 4"					
OCR		2013	URET	5	\$1,697.40
				Utility Account Total:	5
					\$1,697.40
380200-Services - Plastic & Copper					
Services-Plastic					
OCR		1996	URET	177	\$1,019.08
OCR		1997	URET	64	\$671.24
				Utility Account Total:	241
					\$1,690.32
				Location Total:	600
					\$3,431.63
				GL Account Total:	600
					\$3,431.63
				Posted Retirements:	600
					\$3,431.63
				Work Order Total:	600
					\$3,431.63

Work Order Authorization Information

Header Detail

<p>Work Order: 800690</p> <p>Work Order Title: Repl 5151F 2-4-6 Hwy71&Gregory Ph L</p> <p>Wo Type Description: WO-Replacement Mains & Svcs MGE</p> <p>Work Order Group:</p> <p>Current Revision: 1</p> <p>Funding Project: F0599</p> <p>Funding Project Desc: Main Replacement - ISRS (N)</p> <p>Eligible for AFUDC: yes Eligible for CPI: yes</p> <p>Reason Code: Strategic</p> <p>WO Description: Install ~ 1325 ft of 2 in PL IP main, 2432 ft of 4 in PL IP main, and ~1394 ft of 6 in PL IP main on Indiana, Bales, Askew, and 75th Street.</p> <p>Major Location: 0401-KC/MO - Central</p> <p>Asset Location: 0401-043050 JACKSON CTY/KC</p>	<p>Company: Spire Missouri Inc.</p> <p>Business Segment: Missouri West</p> <p>Functional Class: Distribution Plant</p> <p>Department Code: 20648</p> <p>Department Description: Construction & Maintenance - Region 2A - Unio</p> <p>Budget Description: Replace cast iron main - CPI / prio</p> <p>Est. Annual Revenue:</p> <p>Reimbursement Type: None</p> <p>Retirement Type:</p> <p>Status: posted to CPR</p>
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Estimated Start Date: Mar 27, 2017 **Estimated Completion Date:** May 01, 2017 **Estimated In-Service Date:** May 01, 2017

Notes: Retire ~ 10 ft of 2 in PL IP main, ~416 ft of 3 in ST IP main, ~132 ft of 4 in PL IP main, ~3466 ft of 4 in ST IP main, and ~759 ft of 6 in ST main at above locations. Uprate ~ 30617 ft of 2 in PL IP to IP main, ~17969 ft of 4 in PL IP to IP main, and ~1394 ft of 6 in IP to IP main. MAOP is being increased from 55 psi to 58 psi. Total Service Tie-over = 64; Total Service Replace = 14; Total Service Uprate = 557. This main is being replaced as part of the Bare Steel Replacement program. This phase cannot be completed until all other phases for Hwy 71 are completed.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	3/10/2017
Engineering Review-Dist	Hoferlin, Craig	\$0	3/20/2017
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	3/21/2017

***** Unit Estimate *****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$2,081.57	\$2,081.57	\$0.00	\$0.00
376300-Mains - Plastic	\$280,881.94	\$725.84	\$281,607.78	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$46,835.99	\$0.00	\$46,835.99	\$0.00	\$0.00
Total Estimated Costs:	\$327,717.93	\$2,807.41	\$330,525.34	\$0.00	\$0.00

Work Order Authorization Information

***** As-Built *****

Asset Location
Utility Account
Exp Type

Est Charge Type	Retirement Unit	Job task	Dollars	Quantity	
Available for Unitization:					
0401-043050 JACKSON CTY/KC					
376300-Mains - Plastic					
Addition					
Contract Payroll	Mains-Plastic 4"		\$1,037.12	0	
Contractor Work	Mains-Plastic 4"		\$8,844.64	0	
Contractor Work	Mains-Plastic 4"		\$7,907.18	0	
Department Clearings	Mains-Plastic 4"		\$897.11	0	
Mechanical Equipment	Mains-Plastic 4"		\$214.40	0	
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$579.75	0	
Overheads Capitalized - General	Mains-Plastic 4"		\$3,758.97	0	
Overheads Capitalized - General	Mains-Plastic 4"		\$4,282.53	0	
Payroll Taxes	Mains-Plastic 4"		\$157.64	0	
Stores	Mains-Plastic 4"		\$1,798.79	40	
Addition Total:			\$29,478.13	40	
Location Total:		<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
		\$29,478.13	40	\$0.00	0
Available for Unitization:		<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
		\$29,478.13	40	\$0.00	0
Unit Estimate Total:		<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
		\$29,478.13	40	\$0.00	0

Work Order Authorization Information

***** Unit Estimate *****

Asset Location	Utility Account	Retirement Unit	Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0401-043050	JACKSON CTY/KC								
	376300-Mains - Plastic								
	Mains-Plastic 2"								
	Contract Payroll			\$0.00	\$64.82	0	0	0	0
	Contractor Work			\$17,758.50	\$0.00	0	0	0	0
	Department Clearings			\$0.00	\$56.07	0	0	0	0
	Mechanical Equipment			\$0.00	\$13.40	0	0	0	0
	Overheads Capitalized - Benefits			\$0.00	\$36.23	0	0	0	0
	Overheads Capitalized - General			\$8,758.14	\$9.84	0	0	0	0
	Payroll Taxes			\$0.00	\$9.85	0	0	0	0
	Retirement Value			\$0.00	\$0.00	0	10	0	0
	Stores			\$2,848.88	\$0.00	1325	0	0	0
	Mains-Plastic 4"								
	Contract Payroll			\$9,380.08	\$64.82	0	0	0	0
	Contractor Work			\$96,367.74	\$242.40	0	0	0	0
	Department Clearings			\$8,113.77	\$56.07	0	0	0	0
	Mechanical Equipment			\$536.00	\$13.40	0	0	0	0
	Overheads Capitalized - Benefits			\$5,243.46	\$36.23	0	0	0	0
	Overheads Capitalized - General			\$46,150.74	\$112.86	0	0	0	0
	Payroll Taxes			\$1,425.77	\$9.85	0	0	0	0
	Retirement Value			\$0.00	\$0.00	0	132	0	0
	Stores			\$10,273.69	\$0.00	2432	0	0	0
	Mains-Plastic 6"								
	Contractor Work			\$45,032.02	\$0.00	0	0	0	0
	Overheads Capitalized - General			\$22,077.68	\$0.00	0	0	0	0
	Stores			\$6,915.47	\$0.00	1394	0	0	0
	SubTotal Utility Account:			\$280,881.94	\$725.84	5,151.00	142.00	0.00	0.00
	376100-Mains - Steel								
	Mains-Steel 3"								
	Contract Payroll			\$0.00	\$64.82	0	0	0	0
	Department Clearings			\$0.00	\$56.07	0	0	0	0
	Mechanical Equipment			\$0.00	\$13.40	0	0	0	0
	Overheads Capitalized - Benefits			\$0.00	\$36.23	0	0	0	0
	Overheads Capitalized - General			\$0.00	\$9.84	0	0	0	0
	Payroll Taxes			\$0.00	\$9.85	0	0	0	0
	Retirement Value			\$0.00	\$0.00	0	416	0	0
	Mains-Steel 4"								
	Contract Payroll			\$0.00	\$637.14	0	0	0	0
	Department Clearings			\$0.00	\$551.13	0	0	0	0

Work Order Authorization Information

***** Unit Estimate *****

Asset Location						
Utility Account						
Retirement Unit						
Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0401-043050 JACKSON CTY/KC						
376100-Mains - Steel						
Mains-Steel 4"						
Mechanical Equipment	\$0.00	\$13.40	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$356.16	0	0	0	0
Overheads Capitalized - General	\$0.00	\$46.47	0	0	0	0
Payroll Taxes	\$0.00	\$96.85	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	3466	0	0
Mains-Steel 6"						
Contract Payroll	\$0.00	\$64.82	0	0	0	0
Department Clearings	\$0.00	\$56.07	0	0	0	0
Mechanical Equipment	\$0.00	\$13.40	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$36.23	0	0	0	0
Overheads Capitalized - General	\$0.00	\$9.84	0	0	0	0
Payroll Taxes	\$0.00	\$9.85	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	759	0	0
SubTotal Utility Account:	\$0.00	\$2,081.57	0.00	4,641.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$32,867.36	\$0.00	0	0	0	0
Overheads Capitalized - General	\$13,968.63	\$0.00	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	79	0	0
Stores	\$0.00	\$0.00	26	0	0	0
SubTotal Utility Account:	\$46,835.99	\$0.00	26.00	79.00	0.00	0.00
SubTotal Location:	\$327,717.93	\$2,807.41	5,177.00	4,862.00	0.00	0.00
Total Unit Estimate:	\$327,717.93	\$2,807.41	5,177	4,862	0	0

***** Class Codes *****

Class Code	Value
cap_expense	capital
ISRS Reason	03 - Bare Steel Replacement
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

Work Order Authorization Information

***** As-Built *****

Asset Location

Utility Account

Exp Type

Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
Used in Unitization:				
0401-043050 JACKSON CTY/KC				
376100-Mains - Steel				
Retirement				
Contract Payroll	Mains-Steel 24"		\$71.54	0
Contract Payroll	Mains-Steel 6"		\$71.54	0
Contract Payroll	Mains-Steel 3"		\$71.54	0
Contract Payroll	Mains-Steel 12"		\$71.54	0
Contract Payroll	Mains-Steel 2"		\$71.54	0
Contract Payroll	Mains-Steel 4"		\$71.54	0
Contractor Work	Mains-Steel 3"		\$2,000.10	0
Contractor Work	Mains-Steel 12"		\$2,000.10	0
Contractor Work	Mains-Steel 4"		\$2,000.10	0
Contractor Work	Mains-Steel 24"		\$2,000.10	0
Contractor Work	Mains-Steel 2"		\$2,000.10	0
Contractor Work	Mains-Steel 6"		\$2,000.10	0
Department Clearings	Mains-Steel 3"		\$105.16	0
Department Clearings	Mains-Steel 24"		\$105.16	0
Department Clearings	Mains-Steel 4"		\$105.16	0
Department Clearings	Mains-Steel 2"		\$105.16	0
Department Clearings	Mains-Steel 6"		\$105.16	0
Department Clearings	Mains-Steel 12"		\$105.16	0
Overheads Capitalized - Benefits	Mains-Steel 6"		\$62.96	0
Overheads Capitalized - Benefits	Mains-Steel 3"		\$62.96	0
Overheads Capitalized - Benefits	Mains-Steel 2"		\$62.96	0
Overheads Capitalized - Benefits	Mains-Steel 24"		\$62.96	0
Overheads Capitalized - Benefits	Mains-Steel 12"		\$62.96	0
Overheads Capitalized - Benefits	Mains-Steel 4"		\$62.96	0
Overheads Capitalized - General	Mains-Steel 12"		\$1,226.71	0
Overheads Capitalized - General	Mains-Steel 4"		\$1,226.71	0
Overheads Capitalized - General	Mains-Steel 2"		\$1,226.71	0
Overheads Capitalized - General	Mains-Steel 3"		\$1,226.71	0
Overheads Capitalized - General	Mains-Steel 6"		\$1,226.71	0
Overheads Capitalized - General	Mains-Steel 24"		\$1,226.71	0
Payroll Taxes	Mains-Steel 6"		\$10.87	0
Payroll Taxes	Mains-Steel 2"		\$10.87	0
Payroll Taxes	Mains-Steel 3"		\$10.87	0
Payroll Taxes	Mains-Steel 24"		\$10.87	0
Payroll Taxes	Mains-Steel 12"		\$10.87	0
Payroll Taxes	Mains-Steel 4"		\$10.87	0
Retirement Value	Mains-Steel 6"		\$32,648.64	72
Retirement Value	Mains-Steel 12"		\$281.22	23
Retirement Value	Mains-Steel 24"		\$37.82	4
Retirement Value	Mains-Steel 6"		\$19,395.90	85
Retirement Value	Mains-Steel 2"		\$12.66	28
Retirement Value	Mains-Steel 3"		\$73.64	415
Retirement Value	Mains-Steel 2"		\$1,193.57	95
Retirement Value	Mains-Steel 6"		\$1,804.59	6
Retirement Value	Mains-Steel 4"		\$31.25	15

Work Order Authorization Information

***** As-Built *****

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
Used in Utilization:				
0401-043050 JACKSON CTY/KC				
376100-Mains - Steel				
Retirement				
Retirement Value	Mains-Steel 6"		\$2,005.13	706
Retirement Value	Mains-Steel 4"		\$64.66	5
Retirement Value	Mains-Steel 6"		\$279.96	28
Retirement Value	Mains-Steel 4"		\$2,888.72	936
Retirement Value	Mains-Steel 4"		\$4,260.68	1,389
Retirement Value	Mains-Steel 4"		\$2,726.50	1,117
Retirement Value	Mains-Steel 4"		\$2,368.54	18
Retirement Value	Mains-Steel 12"		\$1,515.16	11
Retirement Total:			\$92,452.68	4,953
376300-Mains - Plastic				
Addition				
Contract Payroll	Mains-Plastic 6"		\$250.39	0
Contract Payroll	Mains-Plastic 2"		\$500.78	0
Contract Payroll	Mains-Plastic 4"		\$2,682.75	0
Contractor Work	Mains-Plastic 6"		\$66,818.82	0
Contractor Work	Mains-Plastic 2"		\$32,628.92	0
Contractor Work	Mains-Plastic 4"		\$139,828.94	0
Department Clearings	Mains-Plastic 2"		\$736.15	0
Department Clearings	Mains-Plastic 6"		\$368.07	0
Department Clearings	Mains-Plastic 4"		\$3,943.64	0
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$2,360.82	0
Overheads Capitalized - Benefits	Mains-Plastic 6"		\$220.34	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$440.69	0
Overheads Capitalized - General	Mains-Plastic 2"		\$21,580.66	0
Overheads Capitalized - General	Mains-Plastic 6"		\$46,492.96	0
Overheads Capitalized - General	Mains-Plastic 4"		\$93,378.49	0
Payroll Taxes	Mains-Plastic 4"		\$407.78	0
Payroll Taxes	Mains-Plastic 2"		\$76.12	0
Payroll Taxes	Mains-Plastic 6"		\$38.06	0
Stores	Mains-Plastic 4"		\$12,841.54	2,368
Stores	Mains-Plastic 6"		\$9,360.97	1,383
Stores	Mains-Plastic 2"		\$2,672.87	1,381
Addition Total:			\$437,629.76	5,132
Retirement				
Contract Payroll	Mains-Plastic 2"		\$71.54	0
Contract Payroll	Mains-Plastic 4"		\$71.54	0
Contractor Work	Mains-Plastic 2"		\$2,000.10	0
Contractor Work	Mains-Plastic 4"		\$2,721.94	0
Department Clearings	Mains-Plastic 4"		\$105.16	0
Department Clearings	Mains-Plastic 2"		\$105.16	0
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$62.96	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$62.96	0
Overheads Capitalized - General	Mains-Plastic 2"		\$1,226.71	0
Overheads Capitalized - General	Mains-Plastic 4"		\$1,676.99	0

Work Order Authorization Information

***** As-Built *****

Asset Location

Utility Account

Exp Type

Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
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Used in Unitization:

0401-043050 JACKSON CTY/KC

376300-Mains - Plastic

Retirement

Payroll Taxes	Mains-Plastic 4"		\$10.87	0
Payroll Taxes	Mains-Plastic 2"		\$10.87	0
Retirement Value	Mains-Plastic 4"		\$387.39	5
Retirement Value	Mains-Plastic 4"		\$1,337.10	98
Retirement Value	Mains-Plastic 4"		\$90.93	6
Retirement Value	Mains-Plastic 2"		\$636.82	10
Stores	Mains-Plastic 4"		\$16.32	0

Retirement Total: \$10,595.36 119

380100-Services - Steel

Retirement

Contractor Work	Services-Steel		\$810.70	0
Overheads Capitalized - General	Services-Steel		\$494.53	0
Retirement Value	Services-Steel		\$142.16	186
Retirement Value	Services-Steel		\$272.82	202
Retirement Value	Services-Steel		\$38.08	39
Retirement Value	Services-Steel		\$105.08	88
Retirement Value	Services-Steel		\$47.79	53
Retirement Value	Services-Steel		\$31.80	52
Retirement Value	Services-Steel		\$188.84	163

Retirement Total: \$2,131.80 783

380200-Services - Plastic & Copper

Addition

Contract Payroll	Services-Plastic		\$2,682.75	0
Contractor Work	Services-Plastic		\$25,795.04	0
Department Clearings	Services-Plastic		\$3,943.64	0
Overheads Capitalized - Benefits	Services-Plastic		\$2,360.82	0
Overheads Capitalized - General	Services-Plastic		\$16,876.17	0
Payroll Taxes	Services-Plastic		\$407.78	0
Stores	Services-Plastic		\$1,461.81	1,338

Addition Total: \$53,528.01 1,338

Retirement

Contractor Work	Services-Plastic		\$891.77	0
Overheads Capitalized - General	Services-Plastic		\$543.98	0
Retirement Value	Services-Plastic		\$649.98	50
Retirement Value	Services-Plastic		\$435.31	19
Retirement Value	Services-Plastic		\$73.82	3
Retirement Value	Services-Plastic		\$1,653.36	129
Retirement Value	Services-Plastic		\$19.11	2
Retirement Value	Services-Plastic		\$262.64	30
Retirement Value	Services-Plastic		\$307.42	13
Retirement Value	Services-Plastic		\$3,305.16	340
Retirement Value	Services-Plastic		\$48.90	2
Retirement Value	Services-Plastic		\$368.48	64
Retirement Value	Services-Plastic		\$1,194.40	92

Work Order Authorization Information

***** As-Built *****

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
Used in Unitization:							
0401-043050 JACKSON CTY/KC							
380200-Services - Plastic & Copper							
Retirement							
				Services-Plastic		\$103.48	9
				Services-Plastic		\$712.93	90
				Services-Plastic		\$90.44	5
				Services-Plastic		\$295.54	23
				Services-Plastic		\$578.11	38
				Services-Plastic		\$67.04	11
				Services-Plastic		\$997.76	92
				Services-Plastic		\$124.90	14
				Services-Plastic		\$356.73	19
				Services-Plastic		\$325.13	31
				Services-Plastic		\$320.44	20
				Services-Plastic		\$595.22	32
				Services-Plastic		\$6,216.90	555
Retirement Total:						\$20,538.95	1,683
		Location Total:		Addition Dollars	Add Qty	Retirement Dollars	Retire Qty
				\$491,157.77	6,470	\$125,718.79	7,538
		Used in Unitization:		Addition Dollars	Add Qty	Retirement Dollars	Retire Qty
				\$491,157.77	6,470	\$125,718.79	7,538
		Unit Estimate Total:		Addition Dollars	Add Qty	Retirement Dollars	Retire Qty
				\$491,157.77	6,470	\$125,718.79	7,538

***** Work Order Retirements *****

Business Segment	GL Account	Asset Location	Utility Account	Retirement Unit	Asset Description	Vintage	Activity Code	Retire Qty	Retirement Amount
Posted Retirements:									
Missouri West	101000::Gas Plant in Service	0401-043050 JACKSON CTY/KC		376100-Mains - Steel					
				Mains-Steel 12"					
				OCR		1957	URET	23	\$281.22
				Mains-Steel 2"					
				OCR		1984	URET	11	\$1,515.16
				OCR		1928	URET	28	\$12.66
				OCR		1993	URET	95	\$1,193.57

Work Order Authorization Information

***** Work Order Retirements *****

Business Segment	GL Account				
Asset Location					
Utility Account					
Retirement Unit					
Asset Description		Vintage	Activity Code	Retire Qty	Retirement Amount
Posted Retirements:					
Missouri West	101000::Gas Plant In Service				
0401-043050 JACKSON CTY/KC					
376100-Mains - Steel					
Mains-Steel 24"					
OCR		1927	URET	4	\$37.82
Mains-Steel 3"					
OCR		1957	URET	415	\$73.64
Mains-Steel 4"					
OCR		1953	URET	1,389	\$4,260.68
OCR		1954	URET	1,117	\$2,726.50
OCR		1956	URET	15	\$31.25
OCR		1961	URET	936	\$2,888.72
OCR		1991	URET	5	\$64.66
OCR		2005	URET	18	\$2,368.54
Mains-Steel 6"					
OCR		1956	URET	706	\$2,005.13
OCR		1973	URET	28	\$279.96
OCR		2005	URET	6	\$1,804.59
OCR		2011	URET	85	\$19,395.90
OCR		2015	URET	72	\$32,648.64
		Utility Account Total:		4,953	\$71,588.64
376300-Mains - Plastic					
Mains-Plastic 2"					
OCR		2017	URET	10	\$636.82
Mains-Plastic 4"					
OCR		1991	URET	6	\$90.93
OCR		2005	URET	98	\$1,337.10
OCR		2017	URET	5	\$387.39
		Utility Account Total:		119	\$2,452.24
380100-Services - Steel					
Services-Steel					
OCR		1952	URET	52	\$31.80
OCR		1953	URET	163	\$188.84
OCR		1954	URET	186	\$142.16
OCR		1958	URET	53	\$47.79
OCR		1961	URET	202	\$272.82
OCR		1966	URET	88	\$105.08
OCR		1967	URET	39	\$38.08
		Utility Account Total:		783	\$826.57
380200-Services - Plastic & Copper					
Services-Plastic					
OCR		1975	URET	11	\$67.04
OCR		1978	URET	90	\$712.93
OCR		1980	URET	92	\$997.76
OCR		1982	URET	23	\$295.54
OCR		1984	URET	2	\$19.11
OCR		1985	URET	14	\$124.90
OCR		1986	URET	92	\$1,194.40
OCR		1989	URET	340	\$3,305.16

Work Order Authorization Information

***** Work Order Retirements *****

Business Segment	GL Account			
Asset Location				
Utility Account				
Retirement Unit				
Asset Description		Vintage	Activity Code	Retire Qty Retirement Amount
Posted Retirements:				
Missouri West	101000::Gas Plant in Service			
0401-043050 JACKSON CTY/KC				
380200-Services - Plastic & Copper				
Services-Plastic				
OCR		1991	URET	9 \$103.48
OCR		1993	URET	555 \$6,216.90
OCR		1995	URET	30 \$262.64
OCR		1996	URET	64 \$368.48
OCR		1997	URET	31 \$325.13
OCR		1998	URET	129 \$1,653.36
OCR		2000	URET	50 \$649.98
OCR		2002	URET	5 \$90.44
OCR		2003	URET	20 \$320.44
OCR		2004	URET	32 \$595.22
OCR		2005	URET	38 \$578.11
OCR		2009	URET	3 \$73.82
OCR		2010	URET	19 \$435.31
OCR		2012	URET	19 \$356.73
OCR		2014	URET	13 \$307.42
OCR		2015	URET	2 \$48.90
		Utility Account Total:		1,683 \$19,103.20
		Location Total:		7,538 \$93,970.65
		GL Account Total:		7,538 \$93,970.65
		Posted Retirements:		7,538 \$93,970.65
		Work Order Total:		7,538 \$93,970.65

Work Order Authorization Information

Header Detail

<p>Work Order: 802411</p> <p>Work Order Title: Repl 85F 2S Republic Main St - Leak</p> <p>Wo Type Description: WO-Replacement Mains & Svcs MGE</p> <p>Work Order Group:</p> <p>Current Revision: 2</p> <p>Funding Project: F0572</p> <p>Funding Project Desc: Main Replacement - ISRS (SW)</p> <p>Eligible for AFUDC: yes Eligible for CPI: yes</p> <p>Reason Code: Safety</p> <p>WO Description: Install 85 Ft of 2" ST IP Main on HWY P between W Nicholas Stand Miller Rd due to leaking dressers.</p> <p>Major Location: 0812-Republic</p> <p>Asset Location: 0812-034002 GREENE CTY/REPUBLIC</p> <p>Estimated Start Date: Oct 29, 2018 Estimated Completion Date: Nov 02, 2018 Estimated In-Service Date: Nov 02, 2018</p> <p>Notes: Abandon 80 Ft of 2" ST IP Main on HWY P between W NicholasSt and Miller Rd. Main being replaced due to leakage.</p>	<p>Company: Spire Missouri Inc.</p> <p>Business Segment: Missouri West</p> <p>Functional Class: Distribution Plant</p> <p>Department Code: 20921</p> <p>Department Description: Region 2B - SW Missouri - Distribution - Union</p> <p>Budget Description: Replace bare steel main - safety re</p> <p>Est. Annual Revenue:</p> <p>Reimbursement Type: None</p> <p>Retirement Type:</p> <p>Status: in service</p>
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Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Griewing, Michael	\$0	1/9/2019
Engineering Review-Dist	Hoferlin, Craig	\$0	1/14/2019
VP Field Operations-MGE	Goodson, Timothy	\$1,000,000	1/15/2019

**** Unit Estimate ****					
Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$7,602.60	\$133.47	\$7,736.07	\$0.00	\$0.00
Total Estimated Costs:	\$7,602.60	\$133.47	\$7,736.07	\$0.00	\$0.00

Work Order Authorization Information

***** Unit Estimate *****

Asset Location						
Utility Account						
Retirement Unit						
Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0812-034002 GREENE CTY/REPUBI						
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$130.40	\$0.00	0	0	0	0
Contractor Work	\$3,030.00	\$82.90	0	0	0	0
Department Clearings	\$191.69	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$114.75	\$0.00	0	0	0	0
Overheads Capitalized - General	\$2,715.00	\$50.57	0	0	0	0
Payroll Taxes	\$19.82	\$0.00	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	160	0	0
Stores	\$1,400.94	\$0.00	85	0	0	0
SubTotal Utility Account:	\$7,602.60	\$133.47	85.00	160.00	0.00	0.00
SubTotal Location:	\$7,602.60	\$133.47	85.00	160.00	0.00	0.00
Total Unit Estimate:	\$7,602.60	\$133.47	85	160	0	0

***** Class Codes *****

Class Code	Value
cap_expense	capital
ISRS Reason	08 - Cast Iron or Bare Steel Replacement - Lea
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

***** As-Built *****

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
Available for Unitization:				
0812-034002 GREENE CTY/REPUBLIC				
376100-Mains - Steel				
Addition				
Contract Payroll	Mains-Steel 2"		\$4,416.38	0
Department Clearings	Mains-Steel 2"		\$6,492.08	0
Overheads Capitalized - Benefits	Mains-Steel 2"		\$3,886.41	0
Overheads Capitalized - General	Mains-Steel 2"		\$2,810.42	0

Work Order Authorization Information

***** As-Built *****

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
Available for Unitization:							
0812-034002 GREENE CTY/REPUBLIC							
376100-Mains - Steel							
Addition							
		Payroll Taxes		Mains-Steel 2"		\$671.29	0
		Stores		Mains-Steel 2"		\$3,933.93	51
Addition Total:						\$22,210.51	51
Retirement							
		Contract Payroll		Mains-Steel 2"		\$3,976.29	0
		Department Clearings		Mains-Steel 2"		\$5,845.15	0
		Overheads Capitalized - Benefits		Mains-Steel 2"		\$3,499.14	0
		Overheads Capitalized - General		Mains-Steel 2"		\$649.81	0
		Payroll Taxes		Mains-Steel 2"		\$604.40	0
		Retirement Value		Mains-Steel 2"		\$65.92	36
		Stores		Mains-Steel 2"		\$459.04	0
Retirement Total:						\$15,099.75	36
		Location Total:		Addition Dollars	Add Qty	Retirement Dollars	Retire Qty
				\$22,210.51	51	\$15,099.75	36
		Available for Unitization:		Addition Dollars	Add Qty	Retirement Dollars	Retire Qty
				\$22,210.51	51	\$15,099.75	36
		Unit Estimate Total:		Addition Dollars	Add Qty	Retirement Dollars	Retire Qty
				\$22,210.51	51	\$15,099.75	36

***** Work Order Retirements *****

Business Segment	GL Account	Asset Location	Utility Account	Retirement Unit	Asset Description	Vintage	Activity Code	Retire Qty	Retirement Amount
Selected Retirements:									
Missouri West	101000::Gas Plant in Service								
0812-034002 GREENE CTY/REPUBLIC									
376100-Mains - Steel									
		Mains-Steel 2"							
		OCR				1969	URET	36	\$65.92
Utility Account Total:								36	\$65.92
Location Total:								36	\$65.92
GL Account Total:								36	\$65.92
Selected Retirements:								36	\$65.92
Work Order Total:								36	\$65.92