

Work Order Authorization Information

Header Detail

<p>Work Order: 802173</p> <p>Work Order Title: Repl 5750F 2-4-8-12P KC Rt48 Header</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 45 Ft of 2" PL IP Main, 345 Ft of 4" PL IP Main, 5195 Ft of 8" PL IP Main, and 165 Ft of 12" PL IP Main on E Linwood Blvd, Prospect Ave, Benton Blvd, Indiana Ave, and Cleveland Avenue.</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: in service</p>
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Estimated Start Date: Sep 03, 2018	Estimated Completion Date: Oct 22, 2018	Estimated In-Service Date: Oct 22, 2018
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Notes: Abandon 4 Ft of 4" PL LP Main on Park Ave and S Benton Ave. Upgrade 749 Ft of 4" PL Main on Park Ave and S Benton Ave. Service upgrades = 11, service abandons = 1. The installation of this header main will allow us to abandon cast iron mains in subsequent grid phases.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	7/25/2018
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	8/1/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	8/2/2018

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

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376300-Mains - Plastic	\$505,163.14	\$4,298.65	\$509,461.79	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$0.00	\$905.76	\$905.76	\$0.00	\$0.00
Total Estimated Costs:	\$505,163.14	\$5,204.41	\$510,367.55	\$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 12"						
Contract Payroll	\$97.80	\$0.00	0	0	0	0
Contractor Work	\$13,504.79	\$0.00	0	0	0	0
Department Clearings	\$84.60	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$54.67	\$0.00	0	0	0	0
Overheads Capitalized - General	\$10,757.35	\$0.00	0	0	0	0
Payroll Taxes	\$14.87	\$0.00	0	0	0	0
Stores	\$11,791.89	\$0.00	165	0	0	0
Mains-Plastic 2"						
Contract Payroll	\$32.60	\$0.00	0	0	0	0
Contractor Work	\$727.41	\$0.00	0	0	0	0
Department Clearings	\$28.20	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$18.22	\$0.00	0	0	0	0
Overheads Capitalized - General	\$664.37	\$0.00	0	0	0	0
Payroll Taxes	\$4.96	\$0.00	0	0	0	0
Stores	\$830.91	\$0.00	45	0	0	0
Mains-Plastic 4"						
Contract Payroll	\$364.66	\$619.40	0	0	0	0
Contractor Work	\$7,826.54	\$1,837.12	0	0	0	0
Department Clearings	\$315.43	\$535.78	0	0	0	0
Overheads Capitalized - Benefits	\$203.84	\$346.24	0	0	0	0
Overheads Capitalized - General	\$4,245.10	\$834.00	0	0	0	0
Payroll Taxes	\$55.43	\$94.15	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	4	0	0
Stores	\$2,107.01	\$31.96	345	0	0	0
Mains-Plastic 8"						
Contract Payroll	\$2,184.20	\$0.00	0	0	0	0
Contractor Work	\$250,751.71	\$0.00	0	0	0	0
Department Clearings	\$1,889.33	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$1,220.97	\$0.00	0	0	0	0
Overheads Capitalized - General	\$133,057.78	\$0.00	0	0	0	0
Payroll Taxes	\$332.00	\$0.00	0	0	0	0
Stores	\$61,996.50	\$0.00	5195	0	0	0
SubTotal Utility Account:	\$505,163.14	\$4,298.65	5,750.00	4.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$0.00	\$634.32	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						
380200-Services - Plastic & Copper						
Services-Plastic						
Overheads Capitalized - General	\$0.00	\$270.14	0	0	0	0
Stores	\$0.00	\$1.30	0	0	0	0
SubTotal Utility Account:	\$0.00	\$905.76	0.00	0.00	0.00	0.00
SubTotal Location:	\$505,163.14	\$5,204.41	5,750.00	4.00	0.00	0.00
Total Unit Estimate:	\$505,163.14	\$5,204.41	5,750	4	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

***** 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 12"		\$2,718.52	0
Contract Payroll	Mains-Plastic 4"		\$3,577.00	0
Contract Payroll	Mains-Plastic 8"		\$2,718.52	0
Contract Payroll	Mains-Plastic 2"		\$2,718.52	0
Contractor Work	Mains-Plastic 8"		\$367,592.38	0
Contractor Work	Mains-Plastic 12"		\$105,098.42	0
Contractor Work	Mains-Plastic 2"		\$68,784.54	0
Contractor Work	Mains-Plastic 4"		\$133,925.17	0
Department Clearings	Mains-Plastic 12"		\$3,996.22	0
Department Clearings	Mains-Plastic 8"		\$3,996.22	0
Department Clearings	Mains-Plastic 4"		\$5,258.19	0
Department Clearings	Mains-Plastic 2"		\$3,996.22	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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Available for Unitization:

0401-043050 JACKSON CTY/KC

376300-Mains - Plastic

Addition

Overheads Capitalized - Benefits	Mains-Plastic 4"		\$3,147.76	0
Overheads Capitalized - Benefits	Mains-Plastic 12"		\$2,392.30	0
Overheads Capitalized - Benefits	Mains-Plastic 8"		\$2,392.30	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$2,392.30	0
Overheads Capitalized - General	Mains-Plastic 4"		\$83,290.98	0
Overheads Capitalized - General	Mains-Plastic 8"		\$269,401.77	0
Overheads Capitalized - General	Mains-Plastic 2"		\$42,511.87	0
Overheads Capitalized - General	Mains-Plastic 12"		\$70,266.46	0
Payroll Taxes	Mains-Plastic 4"		\$543.70	0
Payroll Taxes	Mains-Plastic 12"		\$413.22	0
Payroll Taxes	Mains-Plastic 8"		\$413.22	0
Payroll Taxes	Mains-Plastic 2"		\$413.22	0
Stores	Mains-Plastic 4"		\$2,072.07	310
Stores	Mains-Plastic 8"		\$73,635.41	5,230
Stores	Mains-Plastic 2"		\$492.59	120
Stores	Mains-Plastic 12"		\$9,678.03	152

Addition Total:	\$1,267,837.12	5,812
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Retirement

Contract Payroll	Mains-Plastic 4"		\$35.77	0
Contractor Work	Mains-Plastic 4"		\$7,303.84	0
Department Clearings	Mains-Plastic 4"		\$52.58	0
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$31.48	0
Overheads Capitalized - General	Mains-Plastic 4"		\$4,458.67	0
Payroll Taxes	Mains-Plastic 4"		\$5.44	0
Retirement Value	Mains-Plastic 4"		\$1,681.42	5

Retirement Total:	\$13,569.20	5
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380200-Services - Plastic & Copper

Retirement

Contractor Work	Services-Plastic		\$471.56	0
Overheads Capitalized - General	Services-Plastic		\$288.46	0
Stores	Services-Plastic		\$1.33	0

Retirement Total:	\$761.35	0
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	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
Location Total:	\$1,267,837.12	5,812	\$14,330.55	5

Available for Unitization:	\$1,267,837.12	5,812	\$14,330.55	5
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Unit Estimate Total:	\$1,267,837.12	5,812	\$14,330.55	5
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Work Order Authorization Information

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

Business Segment	GL Account			Vintage	Activity Code	Retire Qty	Retirement Amount
Asset Location							
Utility Account							
Retirement Unit							
Asset Description							
Selected Retirements:							
Missouri West	101000::Gas Plant in Service						
0401-043050 JACKSON CTY/KC							
376300-Mains - Plastic							
Mains-Plastic 4"							
OCR				2008	URET	5	\$1,681.42
				Utility Account Total:		5	\$1,681.42
				Location Total:		5	\$1,681.42
				GL Account Total:		5	\$1,681.42
				Selected Retirements:		5	\$1,681.42
				Work Order Total:		5	\$1,681.42

Work Order Authorization Information

Header Detail

<p>Work Order: 802217</p> <p>Work Order Title: Repl 1930F 2-4P Higginsville Ph1</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 920 Ft of 2 in PL IP Main and 1010 Ft of 4 in PL IP Main on E 22nd St, Lipper Ave, E 21st St, and E 20th ST.</p> <p>Major Location: 0308-Higginsville</p> <p>Asset Location: 0308-049004 LAFAYETTE CTY/HIGGINSVILLE</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: in service</p>
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Estimated Start Date: Dec 03, 2018 **Estimated Completion Date:** Dec 31, 2018 **Estimated In-Service Date:** Dec 31, 2018

Notes: Abandon 5 Ft of 2 in PL MP Main, 150 Ft of 4 in PL MP Main, 2106 Ft of 2 in ST MP Main, 20 Ft of 2 in ST TF Main, 25 Ft of 4 in ST MP Main, 5 Ft of 6 in ST MP Main at the above locations. Upgrade 943 Ft of 2 in PL Main on E 21st St. Service Transfers = 21, Service Replacements = 1, Service Upgrades = 2, Service Abandons = 1. This main is being replaced as part of the Bare Steel Replacement Program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	9/12/2018
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	9/18/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	9/18/2018

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

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$8,076.49	\$8,076.49	\$0.00	\$0.00
376300-Mains - Plastic	\$129,940.47	\$467.54	\$130,408.01	\$0.00	\$0.00
380100-Services - Steel	\$0.00	\$895.09	\$895.09	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$8,071.20	\$0.00	\$8,071.20	\$0.00	\$0.00
Total Estimated Costs:	\$138,011.67	\$9,439.12	\$147,450.79	\$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
0308-049004 LAFAYETTE CTY/HIGC						
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$903.51	\$32.60	0	0	0	0
Contractor Work	\$39,885.26	\$192.75	0	0	0	0
Department Clearings	\$781.54	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$505.06	\$18.22	0	0	0	0
Overheads Capitalized - General	\$18,456.14	\$84.77	0	0	0	0
Payroll Taxes	\$137.33	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	5	0	0
Stores	\$3,404.89	\$1.80	920	0	0	0
Mains-Plastic 4"						
Contract Payroll	\$423.80	\$32.60	0	0	0	0
Contractor Work	\$41,959.48	\$12.75	0	0	0	0
Department Clearings	\$366.59	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$236.90	\$18.22	0	0	0	0
Overheads Capitalized - General	\$19,337.90	\$7.51	0	0	0	0
Payroll Taxes	\$64.42	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	150	0	0
Stores	\$3,477.65	\$0.00	1010	0	0	0
SubTotal Utility Account:	\$129,940.47	\$467.54	1,930.00	155.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$97.80	0	0	0	0
Contractor Work	\$0.00	\$4,988.50	0	0	0	0
Department Clearings	\$0.00	\$84.60	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$54.67	0	0	0	0
Overheads Capitalized - General	\$0.00	\$2,275.85	0	0	0	0
Payroll Taxes	\$0.00	\$14.87	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2126	0	0
Stores	\$0.00	\$351.72	0	0	0	0
Mains-Steel 4"						
Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$12.75	0	0	0	0
Department Clearings	\$0.00	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.22	0	0	0	0
Overheads Capitalized - General	\$0.00	\$7.51	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	25	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
0308-049004 LAFAYETTE CTY/HIGC						
376100-Mains - Steel						
Mains-Steel 6"						
Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$12.75	0	0	0	0
Department Clearings	\$0.00	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.22	0	0	0	0
Overheads Capitalized - General	\$0.00	\$7.51	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	5	0	0
SubTotal Utility Account:	\$0.00	\$8,076.49	0.00	2,156.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$5,343.75	\$0.00	0	0	0	0
Overheads Capitalized - General	\$2,407.20	\$0.00	0	0	0	0
Stores	\$320.25	\$0.00	0	0	0	0
SubTotal Utility Account:	\$8,071.20	\$0.00	0.00	0.00	0.00	0.00
380100-Services - Steel						
Services-Steel						
Contractor Work	\$0.00	\$628.13	0	0	0	0
Overheads Capitalized - General	\$0.00	\$266.96	0	0	0	0
SubTotal Utility Account:	\$0.00	\$895.09	0.00	0.00	0.00	0.00
SubTotal Location:	\$138,011.67	\$9,439.12	1,930.00	2,311.00	0.00	0.00
Total Unit Estimate:	\$138,011.67	\$9,439.12	1,930	2,311	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

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

Business Segment	GL Account			
Asset Location				
Utility Account				
Retirement Unit		Vintage	Activity Code	Retire Qty
Asset Description				Retirement Amount
Posted Retirements:				
Missouri West	101000::Gas Plant in Service			
0308-049004 LAFAYETTE CTY/HIGGINSVILLE				
376100-Mains - Steel				
Mains-Steel 2"				
OCR			URET	315
OCR			URET	566
OCR			URET	20
OCR			URET	245
OCR			URET	470
OCR			URET	92
OCR			URET	418
Mains-Steel 4"				
OCR			URET	25
Mains-Steel 6"				
OCR			URET	5
Utility Account Total:				2,156
				\$0.00
376300-Mains - Plastic				
Mains-Plastic 2"				
OCR			URET	5
Mains-Plastic 4"				
OCR			URET	150
Utility Account Total:				155
				\$0.00
Location Total:				2,311
				\$0.00
GL Account Total:				2,311
				\$0.00
Posted Retirements:				2,311
				\$0.00
Work Order Total:				2,311
				\$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 802175</p> <p>Work Order Title: Repl 4490F 2-4P 8th & Hardesty Ph2C</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 3975 Ft of 2in PL IP main, 505 Ft of 2in PL LP main and 10 Ft of 4in PL IP main on Kensington Ave, Spruce Ave, Anderson Ave, and Smart Ave.</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: in service</p>
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Estimated Start Date: Dec 03, 2018 **Estimated Completion Date:** Dec 31, 2018 **Estimated In-Service Date:** Dec 31, 2018

Notes: Abandon 855 Ft of 12in CI LP main, 303 Ft of 8in CI LP main, 440 Ft of 6in CI LP main, 3756 Ft of 4in CI LP main, 18 Ft of 4in PL LP main, 1442 Ft of 4in ST LP main, and 85 Ft of 2in ST LP main on St John Ave, Kensington Ave, Spruce Ave, Anderson Ave, Smart Ave, and Thompson Ave. Upgrade 1260 Ft of 4in PL LP main and 505 Ft of 2in PL LP main to IP on Kensington Ave and Spruce Ave. Total Service Tie-overs=122; Total Service Replacements=22; Total Service Upgrades=36; Total Service Abandons=18. This main is being replaced as part of the Cast Iron Replacement Program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	9/12/2018
Engineering Review-Dist 5	Hoferlin, Craig	\$0	9/18/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	9/18/2018

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$792.91	\$792.91	\$0.00	\$0.00
376200-Mains - Cast Iron	\$0.00	\$34,268.71	\$34,268.71	\$0.00	\$0.00
376300-Mains - Plastic	\$496,811.57	\$2,289.46	\$499,101.03	\$0.00	\$0.00
380100-Services - Steel	\$0.00	\$2,541.54	\$2,541.54	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$24,706.72	\$0.00	\$24,706.72	\$0.00	\$0.00
Total Estimated Costs:	\$521,518.29	\$39,892.62	\$561,410.91	\$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 12"						
Contract Payroll	\$0.00	\$65.20	0	0	0	0
Contractor Work	\$0.00	\$10,165.24	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	\$4,480.91	0	0	0	0
Payroll Taxes	\$0.00	\$9.91	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	855	0	0
Stores	\$0.00	\$368.26	0	0	0	0
Mains-Cast Iron 4"						
Contract Payroll	\$0.00	\$195.60	0	0	0	0
Contractor Work	\$0.00	\$4,871.84	0	0	0	0
Department Clearings	\$0.00	\$169.19	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$109.34	0	0	0	0
Overheads Capitalized - General	\$0.00	\$3,176.05	0	0	0	0
Payroll Taxes	\$0.00	\$29.73	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	4512	0	0
Stores	\$0.00	\$2,571.76	0	0	0	0
Mains-Cast Iron 6"						
Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$5,326.33	0	0	0	0
Department Clearings	\$0.00	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.22	0	0	0	0
Overheads Capitalized - General	\$0.00	\$2,298.81	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	440	0	0
Stores	\$0.00	\$77.73	0	0	0	0
Mains-Cast Iron 8"						
Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$63.10	0	0	0	0
Department Clearings	\$0.00	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.22	0	0	0	0
Overheads Capitalized - General	\$0.00	\$28.90	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	303	0	0
SubTotal Utility Account:	\$0.00	\$34,268.71	0.00	6,110.00	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	\$2,638.38	\$0.00	0	0	0	0
Contractor Work	\$317,472.54	\$0.00	0	0	0	0
Department Clearings	\$2,282.20	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$1,474.85	\$0.00	0	0	0	0
Overheads Capitalized - General	\$143,125.67	\$0.00	0	0	0	0
Payroll Taxes	\$401.03	\$0.00	0	0	0	0
Stores	\$18,896.43	\$0.00	4480	0	0	0
Mains-Plastic 4"						
Contract Payroll	\$2,027.16	\$32.60	0	0	0	0
Contractor Work	\$2,961.78	\$1,514.28	0	0	0	0
Department Clearings	\$1,753.49	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$1,133.18	\$18.22	0	0	0	0
Overheads Capitalized - General	\$1,671.30	\$659.24	0	0	0	0
Payroll Taxes	\$308.13	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	18	0	0
Stores	\$665.43	\$31.96	10	0	0	0
SubTotal Utility Account:	\$496,811.57	\$2,289.46	4,490.00	18.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$41.64	0	0	0	0
Department Clearings	\$0.00	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.22	0	0	0	0
Overheads Capitalized - General	\$0.00	\$19.78	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	85	0	0
Mains-Steel 4"						
Contract Payroll	\$0.00	\$97.80	0	0	0	0
Contractor Work	\$0.00	\$273.20	0	0	0	0
Department Clearings	\$0.00	\$84.60	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$54.67	0	0	0	0
Overheads Capitalized - General	\$0.00	\$122.37	0	0	0	0
Payroll Taxes	\$0.00	\$14.87	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1442	0	0
SubTotal Utility Account:	\$0.00	\$792.91	0.00	1,527.00	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						
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$15,928.95	\$0.00	0	0	0	0
Overheads Capitalized - General	\$7,368.67	\$0.00	0	0	0	0
Stores	\$1,409.10	\$0.00	0	0	0	0
SubTotal Utility Account:	\$24,706.72	\$0.00	0.00	0.00	0.00	0.00
380100-Services - Steel						
Services-Steel						
Contractor Work	\$0.00	\$1,783.54	0	0	0	0
Overheads Capitalized - General	\$0.00	\$758.00	0	0	0	0
SubTotal Utility Account:	\$0.00	\$2,541.54	0.00	0.00	0.00	0.00
SubTotal Location:	\$521,518.29	\$39,892.62	4,490.00	7,655.00	0.00	0.00
Total Unit Estimate:	\$521,518.29	\$39,892.62	4,490	7,655	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 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 2"				
OCR		URET	85	\$0.00
Mains-Steel 4"				
OCR		URET	65	\$0.00

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 4"				
OCR			URET	1,377 \$0.00
			Utility Account Total:	1,527 \$0.00
376200-Mains - Cast Iron				
Mains-Cast Iron 12"				
OCR			URET	855 \$0.00
Mains-Cast Iron 4"				
OCR			URET	2,446 \$0.00
OCR			URET	382 \$0.00
OCR			URET	1,130 \$0.00
OCR			URET	554 \$0.00
Mains-Cast Iron 6"				
OCR			URET	440 \$0.00
Mains-Cast Iron 8"				
OCR			URET	296 \$0.00
OCR			URET	2 \$0.00
OCR			URET	5 \$0.00
			Utility Account Total:	6,110 \$0.00
376300-Mains - Plastic				
Mains-Plastic 4"				
OCR			URET	8 \$0.00
OCR			URET	10 \$0.00
			Utility Account Total:	18 \$0.00
			Location Total:	7,655 \$0.00
			GL Account Total:	7,655 \$0.00
			Posted Retirements:	7,655 \$0.00
			Work Order Total:	7,655 \$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 802804</p> <p>Work Order Title: Repl 1295F 2P Old Hwy 36/Walnut St</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: Customer Request</p> <p>WO Description: Install ~ 1295 ft of 2in PL MP main at W Grand Ave (Old US Hwy 36) and N Walnut St in Cameron.</p> <p>Major Location: 1236-Cameron - Dekalb Co.</p> <p>Asset Location: 1236-028001 DEKALB CTY/CAMERON</p> <p>Estimated Start Date: Jul 15, 2019 Estimated Completion Date: Jul 19, 2019 Estimated In-Service Date: Jul 19, 2019</p> <p>Notes: Abandon ~1274 ft of 2in ST MP main. Total service tie-overs = 7. This project is ISRS recoverable.</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: in service</p>
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Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	6/27/2019
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	7/5/2019
VP Field Operations-MGE	Goodson, Timothy	\$1,000,000	7/8/2019

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$5,623.67	\$5,623.67	\$0.00	\$0.00
376300-Mains - Plastic	\$54,712.20	\$0.00	\$54,712.20	\$0.00	\$0.00
Total Estimated Costs:	\$54,712.20	\$5,623.67	\$60,335.87	\$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

1236-028001 DEKALB CTY/CAMER

376300-Mains - Plastic

Mains-Plastic 2"

Contract Payroll	\$608.09	\$0.00	0	0	0	0
Contractor Work	\$29,787.49	\$0.00	0	0	0	0
Department Clearings	\$893.89	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$535.12	\$0.00	0	0	0	0
Overheads Capitalized - General	\$19,957.75	\$0.00	0	0	0	0
Payroll Taxes	\$92.43	\$0.00	0	0	0	0
Stores	\$2,837.43	\$0.00	1295	0	0	0

SubTotal Utility Account: \$54,712.20 \$0.00 1,295.00 0.00 0.00 0.00

376100-Mains - Steel

Mains-Steel 2"

Contract Payroll	\$0.00	\$178.85	0	0	0	0
Contractor Work	\$0.00	\$2,928.22	0	0	0	0
Department Clearings	\$0.00	\$262.91	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$157.39	0	0	0	0
Overheads Capitalized - General	\$0.00	\$1,903.73	0	0	0	0
Payroll Taxes	\$0.00	\$27.19	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1274	0	0
Stores	\$0.00	\$165.38	0	0	0	0

SubTotal Utility Account: \$0.00 \$5,623.67 0.00 1,274.00 0.00 0.00

SubTotal Location: \$54,712.20 \$5,623.67 1,295.00 1,274.00 0.00 0.00

Total Unit Estimate: \$54,712.20 \$5,623.67 1,295 1,274 0 0

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

Class Code	Value
cap_expense	capital
ISRS Reason	06 - Other Legacy Main Material Replacement
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

Work Order Authorization Information

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

Business Segment	GL Account				
Asset Location				Vintage	Activity Code
Utility Account					
Retirement Unit					
Asset Description					Retire Qty
					Retirement Amount
Posted Retirements:					
Missouri West	101000::Gas Plant in Service				
1236-028001 DEKALB CTY/CAMERON					
376100-Mains - Steel					
Mains-Steel 2"					
OCR				URET	44
OCR				URET	1,230
				Utility Account Total:	1,274
				Location Total:	1,274
				GL Account Total:	1,274
				Posted Retirements:	1,274
				Work Order Total:	1,274
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 800348</p> <p>Work Order Title: Repl 5980F 2-4-6P St Joe Sth Ph 3A</p> <p>Wo Type Description: WO-Replacement Mains & Svcs MGE</p> <p>Work Order Group:</p> <p>Current Revision: 2</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 2495 Ft of 2 in PL IP main, 855 Ft of 4 in PL IP main, and 2630 Ft of 6 in PL IP Main on King Hill Rd, Walter Ln, Gideon Ln, and Parker Rd.</p> <p>Major Location: 1001-St. Joseph</p> <p>Asset Location: 1001-010001 ST. JOSEPH CITY/BUCHANAN</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: in service</p>
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Estimated Start Date: Oct 15, 2016 **Estimated Completion Date:** Dec 15, 2016 **Estimated In-Service Date:** Dec 15, 2016

Notes: Abandon 30 Ft of 2 in ST HP main, 2569 Ft of 2 in ST LP main, 57 Ft of 4 in ST LP main, 249 Ft of 2 in PL LP main, and 27 Ft of 4 in PL LP main at the above locations. Total Service Tie-over = 44; Total Service Abandon = 5; Total Service Replace = 10; This main is being abandoned as part of FY18 Bare Steel Replacement Program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	1/16/2018
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	1/16/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	1/17/2018

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

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$12,382.12	\$12,382.12	\$0.00	\$0.00
376300-Mains - Plastic	\$498,442.28	\$789.09	\$499,231.37	\$0.00	\$0.00
380100-Services - Steel	\$0.00	\$71.56	\$71.56	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$8,101.03	\$820.72	\$8,921.75	\$0.00	\$0.00
Total Estimated Costs:	\$506,543.31	\$14,063.49	\$520,606.80	\$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
1001-010001 ST. JOSEPH CITY/BUO						
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$32,180.58	\$0.00	0	0	0	0
Contractor Work	\$104,624.80	\$0.00	0	0	0	0
Department Clearings	\$27,836.20	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$17,988.94	\$0.00	0	0	0	0
Overheads Capitalized - General	\$50,946.51	\$0.00	0	0	0	0
Payroll Taxes	\$4,891.45	\$0.00	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	331	0	0
Stores	\$10,403.33	\$0.00	2495	0	0	0
Mains-Plastic 4"						
Contract Payroll	\$11,895.64	\$294.72	0	0	0	0
Contractor Work	\$17,911.16	\$0.00	0	0	0	0
Department Clearings	\$10,289.73	\$254.93	0	0	0	0
Overheads Capitalized - Benefits	\$6,649.66	\$164.75	0	0	0	0
Overheads Capitalized - General	\$9,526.38	\$22.15	0	0	0	0
Payroll Taxes	\$1,808.14	\$44.80	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	422	0	0
Stores	\$2,712.52	\$7.74	855	0	0	0
Mains-Plastic 6"						
Contract Payroll	\$61,418.42	\$0.00	0	0	0	0
Contractor Work	\$2,914.50	\$0.00	0	0	0	0
Department Clearings	\$53,126.93	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$34,332.90	\$0.00	0	0	0	0
Overheads Capitalized - General	\$11,873.84	\$0.00	0	0	0	0
Payroll Taxes	\$9,335.60	\$0.00	0	0	0	0
Stores	\$15,775.05	\$0.00	2630	0	0	0
SubTotal Utility Account:	\$498,442.28	\$789.09	5,980.00	753.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$2,641.92	0	0	0	0
Contractor Work	\$0.00	\$255.56	0	0	0	0
Department Clearings	\$0.00	\$2,285.26	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$1,476.83	0	0	0	0
Overheads Capitalized - General	\$0.00	\$1,781.83	0	0	0	0
Payroll Taxes	\$0.00	\$401.57	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	5303	0	0
Stores	\$0.00	\$3,539.15	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
1001-010001 ST. JOSEPH CITY/BUO						
376100-Mains - Steel						
Mains-Steel 4"						
Retirement Value	\$0.00	\$0.00	0	958	0	0
SubTotal Utility Account:	\$0.00	\$12,382.12	0.00	6,261.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contract Payroll	\$2,644.80	\$310.88	0	0	0	0
Department Clearings	\$2,287.75	\$268.91	0	0	0	0
Overheads Capitalized - Benefits	\$1,478.44	\$173.78	0	0	0	0
Overheads Capitalized - General	\$502.93	\$19.90	0	0	0	0
Payroll Taxes	\$402.01	\$47.25	0	0	0	0
Stores	\$785.10	\$0.00	0	0	0	0
SubTotal Utility Account:	\$8,101.03	\$820.72	0.00	0.00	0.00	0.00
380100-Services - Steel						
Services-Steel						
Contract Payroll	\$0.00	\$16.30	0	0	0	0
Department Clearings	\$0.00	\$14.10	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$9.11	0	0	0	0
Overheads Capitalized - General	\$0.00	\$9.55	0	0	0	0
Payroll Taxes	\$0.00	\$2.48	0	0	0	0
Stores	\$0.00	\$20.02	0	0	0	0
SubTotal Utility Account:	\$0.00	\$71.56	0.00	0.00	0.00	0.00
SubTotal Location:	\$506,543.31	\$14,063.49	5,980.00	7,014.00	0.00	0.00
Total Unit Estimate:	\$506,543.31	\$14,063.49	5,980	7,014	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

***** 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				
1001-010001 ST. JOSEPH CITY/BUCHANAN					
376100-Mains - Steel					
Mains-Steel 2"					
OCR			URET	1,485	\$0.00
OCR			URET	386	\$0.00
OCR			URET	161	\$0.00
OCR			URET	30	\$0.00
OCR			URET	537	\$0.00
Mains-Steel 4"					
OCR			URET	57	\$0.00
			Utility Account Total:	2,656	\$0.00
376300-Mains - Plastic					
Mains-Plastic 2"					
OCR			URET	199	\$0.00
OCR			URET	50	\$0.00
Mains-Plastic 4"					
OCR			URET	27	\$0.00
			Utility Account Total:	276	\$0.00
			Location Total:	2,932	\$0.00
			GL Account Total:	2,932	\$0.00
			Posted Retirements:	2,932	\$0.00
			Work Order Total:	2,932	\$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 800642</p> <p>Work Order Title: Repl w 5346F 2-4P East Dwtown Ph 5</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 10 Ft of 4 in PL IP Main and 5336 Ft of 2 in PL IP Main along Green St, 5th, 6th, 7th St, 7th Ter, Douglas St, 9th St, and Miller St.</p> <p>Major Location: 0901-Lee's Summit</p> <p>Asset Location: 0901-043021 JACKSON CTY/LEE'S SUMMIT OFFIC</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: in service</p>
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Estimated Start Date: Apr 01, 2016 **Estimated Completion Date:** Jul 29, 2016 **Estimated In-Service Date:** Jul 29, 2016

Notes: Abandon 2729 Ft of 4in ST MP Main, 2974 Ft of 2in ST MP Main, 15 Ft of 4in PL MP Main, 154 Ft of 2in PL MP Main at the above location. Uprate 265 Ft of 6 in PL MP, 1728 Ft of 4in PL MP Main and 2149 Ft of 2" PL MP Main at the above location. Total Service Tie-over = 69; Total Service Replacement = 4; Total Service Abandoned = 2; Total Service Upgrade = 69; This main is being abandoned as part of FY16 Bare Steel Replacement Program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	10/30/2016
Engineering Review-Dist 5	Hoferlin, Craig	\$0	11/4/2016
VP Field Operations-MGE	Hampton, Joe	\$500,000	11/7/2016

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

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$3,580.69	\$3,580.69	\$0.00	\$0.00
376300-Mains - Plastic	\$234,992.74	\$4,202.09	\$239,194.83	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$5,829.93	\$0.00	\$5,829.93	\$0.00	\$0.00
Total Estimated Costs:	\$240,822.67	\$7,782.78	\$248,605.45	\$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

0901-043021 JACKSON CTY/LEE'S

376300-Mains - Plastic

Mains-Plastic 2"

Contract Payroll	\$2,802.92	\$16.21	0	0	0	0
Contractor Work	\$141,631.55	\$662.34	0	0	0	0
Department Clearings	\$2,424.53	\$14.02	0	0	0	0
Mechanical Equipment	\$462.30	\$3.35	0	0	0	0
Overheads Capitalized - Benefits	\$1,566.83	\$9.06	0	0	0	0
Overheads Capitalized - General	\$67,813.38	\$286.25	0	0	0	0
Payroll Taxes	\$426.04	\$2.46	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	154	0	0
Stores	\$17,044.95	\$5.40	5336	0	0	0

Mains-Plastic 4"

Contract Payroll	\$32.41	\$16.21	0	0	0	0
Contractor Work	\$442.36	\$2,176.04	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	\$221.19	\$943.56	0	0	0	0
Payroll Taxes	\$4.93	\$2.46	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	15	0	0
Stores	\$66.50	\$38.30	10	0	0	0

SubTotal Utility Account:

\$234,992.74 \$4,202.09 5,346.00 169.00 0.00 0.00

376100-Mains - Steel

Mains-Steel 2"

Contract Payroll	\$0.00	\$291.69	0	0	0	0
Contractor Work	\$0.00	\$715.36	0	0	0	0
Department Clearings	\$0.00	\$252.31	0	0	0	0
Mechanical Equipment	\$0.00	\$60.30	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$163.05	0	0	0	0
Overheads Capitalized - General	\$0.00	\$348.32	0	0	0	0
Payroll Taxes	\$0.00	\$44.34	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2974	0	0

Mains-Steel 4"

Contract Payroll	\$0.00	\$259.28	0	0	0	0
Contractor Work	\$0.00	\$662.76	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

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
0901-043021 JACKSON CTY/LEE'S						
376100-Mains - Steel						
Mains-Steel 4"						
Overheads Capitalized - General	\$0.00	\$321.05	0	0	0	0
Payroll Taxes	\$0.00	\$39.41	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2729	0	0
SubTotal Utility Account:	\$0.00	\$3,580.69	0.00	5,703.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contract Payroll	\$627.74	\$0.00	0	0	0	0
Contractor Work	\$2,928.20	\$0.00	0	0	0	0
Department Clearings	\$543.00	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$350.91	\$0.00	0	0	0	0
Overheads Capitalized - General	\$1,284.66	\$0.00	0	0	0	0
Payroll Taxes	\$95.42	\$0.00	0	0	0	0
SubTotal Utility Account:	\$5,829.93	\$0.00	0.00	0.00	0.00	0.00
SubTotal Location:	\$240,822.67	\$7,782.78	5,346.00	5,872.00	0.00	0.00
Total Unit Estimate:	\$240,822.67	\$7,782.78	5,346	5,872	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 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				
0901-043021 JACKSON CTY/LEE'S SUMMIT OFFIC					
376100-Mains - Steel					
Mains-Steel 2"					
OCR	URET		221	\$0.00	

Work Order Authorization Information

OCR

URET

100

\$0.00

**** Work Order Retirements ****

Business Segment	GL Account	Activity	Retire Qty	Retirement Amount
Asset Location		Code		
Utility Account				
Retirement Unit		Vintage		
Asset Description				
OCR		URET	409	\$0.00
OCR		URET	445	\$0.00
OCR		URET	23	\$0.00
OCR		URET	439	\$0.00
OCR		URET	6	\$0.00
OCR		URET	257	\$0.00
OCR		URET	722	\$0.00
OCR		URET	58	\$0.00
Mains-Steel 4"				

Work Order Authorization Information

**** Work Order Retirements ****

Business Segment	GL Account			
Asset Location				
Utility Account		URET	593	\$0.00
Retirement Unit		Activity		
Asset Description		Code	Retire Qty	Retirement Amount
OCR		URET	1,467	\$0.00
OCR		URET	208	\$0.00
OCR		URET	42	\$0.00
OCR		URET	130	\$0.00
OCR		URET	109	\$0.00
		Utility Account Total:	5,703	\$0.00
376300-Mains - Plastic				
Mains-Plastic 2"				
OCR		URET	5	\$0.00
OCR		URET	139	\$0.00
OCR		URET	10	\$0.00
Mains-Plastic 4"				

Work Order Authorization Information

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

Business Segment	GL Account				
Asset Location					
Utility Account		URET	5	\$0.00	
Retirement Unit		Activity			
Asset Description		Vintage	Code	Retire Qty	
				Retirement Amount	
OCR		URET		5	\$0.00
Utility Account Total:				169	\$0.00
Location Total:				5,872	\$0.00
GL Account Total:				5,872	\$0.00
Posted Retirements:				5,872	\$0.00
Work Order Total:				5,872	\$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	\$2,722.44	\$32.41	0	0	0	0
Contractor Work	\$264,937.47	\$2,045.08	0	0	0	0
Department Clearings	\$2,354.91	\$28.03	0	0	0	0
Mechanical Equipment	\$562.80	\$6.70	0	0	0	0
Overheads Capitalized - Benefits	\$1,521.84	\$18.12	0	0	0	0
Overheads Capitalized - General	\$118,544.16	\$910.05	0	0	0	0
Payroll Taxes	\$413.81	\$4.93	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	100	0	0
Stores	\$13,017.20	\$84.64	6530	0	0	0
Mains-Plastic 3"						
Contract Payroll	\$0.00	\$97.23	0	0	0	0
Contractor Work	\$0.00	\$804.38	0	0	0	0
Department Clearings	\$0.00	\$84.10	0	0	0	0
Mechanical Equipment	\$0.00	\$20.10	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$54.35	0	0	0	0
Overheads Capitalized - General	\$5.52	\$360.54	0	0	0	0
Payroll Taxes	\$0.00	\$14.78	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1182	0	0
Stores	\$12.99	\$9.20	0	0	0	0
Mains-Plastic 4"						
Contract Payroll	\$518.56	\$32.41	0	0	0	0
Contractor Work	\$62,002.07	\$3,355.56	0	0	0	0
Department Clearings	\$448.55	\$28.03	0	0	0	0
Mechanical Equipment	\$107.20	\$6.70	0	0	0	0
Overheads Capitalized - Benefits	\$289.88	\$18.12	0	0	0	0
Overheads Capitalized - General	\$27,964.18	\$1,460.60	0	0	0	0
Payroll Taxes	\$78.82	\$4.93	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	213	0	0
Stores	\$3,610.70	\$69.57	1230	0	0	0
SubTotal Utility Account:	\$499,113.10	\$9,550.56	7,760.00	1,495.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$226.87	0	0	0	0
Contractor Work	\$0.00	\$1,029.46	0	0	0	0
Department Clearings	\$0.00	\$196.24	0	0	0	0
Mechanical Equipment	\$0.00	\$46.90	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
0601-044025 JASPER CTY/CARTHA						
376100-Mains - Steel						
Mains-Steel 2"						
Overheads Capitalized - Benefits	\$0.00	\$126.82	0	0	0	0
Overheads Capitalized - General	\$0.00	\$539.17	0	0	0	0
Payroll Taxes	\$0.00	\$34.48	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2811	0	0
Stores	\$0.00	\$158.10	0	0	0	0
Mains-Steel 3"						
Contract Payroll	\$0.00	\$97.23	0	0	0	0
Contractor Work	\$0.00	\$1,723.24	0	0	0	0
Department Clearings	\$0.00	\$84.10	0	0	0	0
Mechanical Equipment	\$0.00	\$20.10	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$54.35	0	0	0	0
Overheads Capitalized - General	\$0.00	\$827.67	0	0	0	0
Payroll Taxes	\$0.00	\$14.78	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1344	0	0
Stores	\$0.00	\$189.47	0	0	0	0
Mains-Steel 4"						
Contract Payroll	\$0.00	\$291.69	0	0	0	0
Contractor Work	\$0.00	\$2,627.28	0	0	0	0
Department Clearings	\$0.00	\$252.31	0	0	0	0
Mechanical Equipment	\$0.00	\$60.30	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$163.05	0	0	0	0
Overheads Capitalized - General	\$0.00	\$1,363.92	0	0	0	0
Payroll Taxes	\$0.00	\$44.34	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	3520	0	0
Stores	\$0.00	\$477.71	0	0	0	0
Mains-Steel 6"						
Contract Payroll	\$0.00	\$32.41	0	0	0	0
Contractor Work	\$0.00	\$73.64	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	\$36.22	0	0	0	0
Payroll Taxes	\$0.00	\$4.93	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	222	0	0
SubTotal Utility Account:	\$0.00	\$10,849.63	0.00	7,897.00	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						
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$689.70	\$81.07	0	0	0	0
Overheads Capitalized - General	\$303.48	\$34.45	0	0	0	0
Stores	\$24.36	\$0.00	391	0	0	0
SubTotal Utility Account:	\$1,017.54	\$115.52	391.00	0.00	0.00	0.00
SubTotal Location:	\$500,130.64	\$20,515.71	8,151.00	9,392.00	0.00	0.00
Total Unit Estimate:	\$500,130.64	\$20,515.71	8,151	9,392	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 Retirements *****

Business Segment Asset Location Utility Account Retirement Unit Asset Description	GL Account	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			URET	501	\$0.00
OCR			URET	912	\$0.00
OCR			URET	211	\$0.00
OCR			URET	748	\$0.00
OCR			URET	50	\$0.00
OCR			URET	389	\$0.00
Mains-Steel 3"					
OCR			URET	160	\$0.00
OCR			URET	87	\$0.00

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			
0601-044025 JASPER CTY/CARTHAGE				
376100-Mains - Steel				
Mains-Steel 3"				
OCR			URET	494 \$0.00
OCR			URET	600 \$0.00
OCR			URET	3 \$0.00
Mains-Steel 4"				
OCR			URET	158 \$0.00
OCR			URET	930 \$0.00
OCR			URET	1,715 \$0.00
OCR			URET	75 \$0.00
OCR			URET	50 \$0.00
OCR			URET	592 \$0.00
Mains-Steel 6"				
OCR			URET	2 \$0.00
OCR			URET	220 \$0.00
			Utility Account Total:	7,897 \$0.00
376300-Mains - Plastic				
Mains-Plastic 2"				
OCR			URET	100 \$0.00
Mains-Plastic 3"				
OCR			URET	655 \$0.00
OCR			URET	12 \$0.00
OCR			URET	41 \$0.00
OCR			URET	474 \$0.00
Mains-Plastic 4"				
OCR			URET	56 \$0.00
OCR			URET	46 \$0.00
OCR			URET	111 \$0.00
			Utility Account Total:	1,495 \$0.00
			Location Total:	9,392 \$0.00
			GL Account Total:	9,392 \$0.00
			Posted Retirements:	9,392 \$0.00
			Work Order Total:	9,392 \$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 800666</p> <p>Work Order Title: Repl 6425F 2-4P Neosho C-001 Ph1F</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: Strategic</p> <p>WO Description: Install 1950 Ft. of 2 inch PL IP Main, and 4475 Ft. of 4 inch PL IP Main on High St. Ripley St., College St., McQuarry Ave., Hill St., McKinney St., and Oak St.</p> <p>Major Location: 0806-Neosho</p> <p>Asset Location: 0806-066010 NEWTON CTY/NEOSHO</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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Estimated Start Date: Mar 13, 2017 **Estimated Completion Date:** Apr 09, 2018 **Estimated In-Service Date:** Apr 09, 2018

Notes: Abandon 330 Ft of 1 1/4 in PL IP Main, 122 Ft of 1 1/8 in PL IP Main, 182 Ft of 2 in PL IP Main, 36 Ft of 7/8 in PL IP Main, 1665 Ft of 2 in ST IP Main, 4006 Ft of 4 in ST IP Main, and 12 Ft of 6 in ST IP Main on the above mentioned streets. Total Service Tie-over =78; Total Service Abandoned = 6; Total Service Replace = 10. This main is being replaced as part of FY18 Bare Steel Replacement Program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	2/13/2018
Engineering Review-Dist	Hoferlin, Craig	\$0	2/17/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	2/19/2018

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$10,397.50	\$10,397.50	\$0.00	\$0.00
376300-Mains - Plastic	\$465,807.44	\$3,811.48	\$469,618.92	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$60,726.09	\$1,155.25	\$61,881.34	\$0.00	\$0.00
Total Estimated Costs:	\$526,533.53	\$15,364.23	\$541,897.76	\$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
0806-066010	NEWTON CTY/NEOS-								
	376300-Mains - Plastic								
	Mains-Plastic 2"								
	Contract Payroll			\$815.00	\$28.39	0	0	0	0
	Contractor Work			\$80,160.25	\$1,202.12	0	0	0	0
	Department Clearings			\$704.98	\$24.56	0	0	0	0
	Overheads Capitalized - Benefits			\$455.59	\$15.87	0	0	0	0
	Overheads Capitalized - General			\$35,131.11	\$553.02	0	0	0	0
	Payroll Taxes			\$123.88	\$4.32	0	0	0	0
	Retirement Value			\$0.00	\$0.00	0	182	0	0
	Stores			\$2,378.46	\$94.82	1950	0	0	0
	Mains-Plastic 4"								
	Contract Payroll			\$1,890.80	\$0.00	0	0	0	0
	Contractor Work			\$224,770.38	\$736.32	0	0	0	0
	Department Clearings			\$1,635.54	\$0.00	0	0	0	0
	Overheads Capitalized - Benefits			\$1,056.96	\$0.00	0	0	0	0
	Overheads Capitalized - General			\$101,836.62	\$319.52	0	0	0	0
	Payroll Taxes			\$287.40	\$0.00	0	0	0	0
	Stores			\$14,560.47	\$15.48	4475	0	0	0
	Mains-Plastic Under 2"								
	Contract Payroll			\$0.00	\$56.78	0	0	0	0
	Contractor Work			\$0.00	\$464.73	0	0	0	0
	Department Clearings			\$0.00	\$49.11	0	0	0	0
	Overheads Capitalized - Benefits			\$0.00	\$31.74	0	0	0	0
	Overheads Capitalized - General			\$0.00	\$202.61	0	0	0	0
	Payroll Taxes			\$0.00	\$8.63	0	0	0	0
	Retirement Value			\$0.00	\$0.00	0	488	0	0
	Stores			\$0.00	\$3.46	0	0	0	0
	SubTotal Utility Account:			\$465,807.44	\$3,811.48	6,425.00	670.00	0.00	0.00
	376100-Mains - Steel								
	Mains-Steel 2"								
	Contract Payroll			\$0.00	\$141.95	0	0	0	0
	Contractor Work			\$0.00	\$3,633.51	0	0	0	0
	Department Clearings			\$0.00	\$122.79	0	0	0	0
	Overheads Capitalized - Benefits			\$0.00	\$79.35	0	0	0	0
	Overheads Capitalized - General			\$0.00	\$1,688.59	0	0	0	0
	Payroll Taxes			\$0.00	\$21.58	0	0	0	0
	Retirement Value			\$0.00	\$0.00	0	1665	0	0
	Stores			\$0.00	\$318.26	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
0806-066010 NEWTON CTY/NEOS-						
376100-Mains - Steel						
Mains-Steel 4"						
Contract Payroll	\$0.00	\$340.68	0	0	0	0
Contractor Work	\$0.00	\$429.20	0	0	0	0
Department Clearings	\$0.00	\$294.69	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$190.44	0	0	0	0
Overheads Capitalized - General	\$0.00	\$204.21	0	0	0	0
Payroll Taxes	\$0.00	\$51.78	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	4006	0	0
Mains-Steel 6"						
Contract Payroll	\$0.00	\$28.39	0	0	0	0
Contractor Work	\$0.00	\$1,786.64	0	0	0	0
Department Clearings	\$0.00	\$24.56	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$15.87	0	0	0	0
Overheads Capitalized - General	\$0.00	\$838.55	0	0	0	0
Payroll Taxes	\$0.00	\$4.32	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	12	0	0
Stores	\$0.00	\$182.14	0	0	0	0
SubTotal Utility Account:	\$0.00	\$10,397.50	0.00	5,683.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$38,114.12	\$810.70	0	0	0	0
Overheads Capitalized - General	\$18,111.29	\$344.55	0	0	0	0
Stores	\$4,500.68	\$0.00	0	0	0	0
SubTotal Utility Account:	\$60,726.09	\$1,155.25	0.00	0.00	0.00	0.00
SubTotal Location:	\$526,533.53	\$15,364.23	6,425.00	6,353.00	0.00	0.00
Total Unit Estimate:	\$526,533.53	\$15,364.23	6,425	6,353	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

***** 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			
0806-066010 NEWTON CTY/NEOSHO				
376100-Mains - Steel				
Mains-Steel 2"				
OCR			URET	93 \$0.00
OCR			URET	1,127 \$0.00
OCR			URET	75 \$0.00
OCR			URET	34 \$0.00
OCR			URET	134 \$0.00
OCR			URET	202 \$0.00
Mains-Steel 4"				
OCR			URET	37 \$0.00
OCR			URET	3,969 \$0.00
Mains-Steel 6"				
OCR			URET	12 \$0.00
			Utility Account Total:	5,683 \$0.00
376300-Mains - Plastic				
Mains-Plastic 2"				
OCR			URET	125 \$0.00
OCR			URET	35 \$0.00
OCR			URET	22 \$0.00
			Utility Account Total:	182 \$0.00
			Location Total:	5,865 \$0.00
			GL Account Total:	5,865 \$0.00
			Posted Retirements:	5,865 \$0.00
			Work Order Total:	5,865 \$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 801899</p> <p>Work Order Title: Repl 8895F 2-4-6-8-12 St Joe Headr1</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 615 Ft. of 2 inch PL IP Main, 90 Ft. of 4 inch PL IP Main, 75 Ft. of 6 inch PL IP Main, 4020 Ft. of 8 inch PL IP Main and 4095 Ft. of 12 inch PL IP on Noyles Blvd., Clay St., Union St, N 27th St., N 26th St., and N 25th St.</p> <p>Major Location: 1001-St. Joseph</p> <p>Asset Location: 1001-010001 ST. JOSEPH CITY/BUCHANAN</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: in service</p>
<p>Estimated Start Date: May 01, 2018 Estimated Completion Date: Jun 25, 2018 Estimated In-Service Date: Jun 25, 2018</p> <p>Notes: Abandon 3 Ft of 2 in PL IP Main, 10 Ft of 4 in PL LP Main, 84 Ft of 6 in PL IP Main, 131 Ft of 2 in ST IP Main, 25 Ft of 4 in ST IP Main, and 8090 Ft of 6 in ST IP Main on the above mentioned streets. Uprate 1006 Ft. of 4 in PL LP main on Union St and Upgrade 1768 Ft of 4 in PL LP main on Union St and N 25th St. Total Service Tie-over =53; Total Service Abandoned = 2; Total Service Replace = 11; Total Service Uprates = 22; Total Service Upgrades=32. The installation of this header main will allow us to abandon bare steel mains in subsequent grid phases.</p>	

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	4/12/2018
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	4/14/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	4/14/2018
Chief Operating Officer	Lindsey, Steve	\$5,000,000	4/16/2018

***** Unit Estimate *****					
Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$33,905.98	\$33,905.98	\$0.00	\$0.00
376300-Mains - Plastic	\$1,093,980.98	\$12,803.26	\$1,106,784.24	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$9,333.36	\$20,106.52	\$29,439.88	\$0.00	\$0.00
Total Estimated Costs:	\$1,103,314.34	\$66,815.76	\$1,170,130.10	\$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
1001-010001	ST. JOSEPH CITY/BU								
	376300-Mains - Plastic								
	Mains-Plastic 12"								
	Contract Payroll			\$154,166.50	\$0.00	0	0	0	0
	Contractor Work			\$37,405.44	\$0.00	0	0	0	0
	Department Clearings			\$133,354.02	\$0.00	0	0	0	0
	Overheads Capitalized - Benefits			\$86,179.07	\$0.00	0	0	0	0
	Overheads Capitalized - General			\$71,295.02	\$250.81	0	0	0	0
	Payroll Taxes			\$23,433.31	\$0.00	0	0	0	0
	Stores			\$107,722.04	\$0.00	4095	0	0	0
	Mains-Plastic 2"								
	Contract Payroll			\$7,316.70	\$1,178.88	0	0	0	0
	Contractor Work			\$4,995.43	\$10.73	0	0	0	0
	Department Clearings			\$6,328.95	\$1,019.73	0	0	0	0
	Overheads Capitalized - Benefits			\$4,090.04	\$658.99	0	0	0	0
	Overheads Capitalized - General			\$3,249.11	\$83.31	0	0	0	0
	Payroll Taxes			\$1,112.14	\$179.19	0	0	0	0
	Retirement Value			\$0.00	\$0.00	0	3	0	0
	Stores			\$1,547.72	\$7.76	615	0	0	0
	Mains-Plastic 4"								
	Contract Payroll			\$2,624.78	\$1,768.32	0	0	0	0
	Contractor Work			\$1,208.28	\$1,541.27	0	0	0	0
	Department Clearings			\$2,270.43	\$1,529.60	0	0	0	0
	Overheads Capitalized - Benefits			\$1,467.25	\$988.49	0	0	0	0
	Overheads Capitalized - General			\$2,517.20	\$383.72	0	0	0	0
	Payroll Taxes			\$398.97	\$268.78	0	0	0	0
	Retirement Value			\$0.00	\$0.00	0	10	0	0
	Stores			\$3,368.16	\$46.44	90	0	0	0
	Mains-Plastic 6"								
	Contract Payroll			\$1,693.96	\$1,077.12	0	0	0	0
	Contractor Work			\$650.32	\$10.73	0	0	0	0
	Department Clearings			\$1,465.28	\$931.71	0	0	0	0
	Overheads Capitalized - Benefits			\$946.92	\$602.11	0	0	0	0
	Overheads Capitalized - General			\$2,449.78	\$81.95	0	0	0	0
	Payroll Taxes			\$257.48	\$163.72	0	0	0	0
	Retirement Value			\$0.00	\$0.00	0	84	0	0
	Stores			\$4,858.78	\$19.90	75	0	0	0
	Mains-Plastic 8"								
	Contract Payroll			\$119,138.64	\$0.00	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
1001-010001 ST. JOSEPH CITY/BUO						
376300-Mains - Plastic						
Mains-Plastic 8"						
Contractor Work	\$35,834.01	\$0.00	0	0	0	0
Department Clearings	\$103,054.92	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$66,598.50	\$0.00	0	0	0	0
Overheads Capitalized - General	\$40,754.56	\$0.00	0	0	0	0
Payroll Taxes	\$18,109.07	\$0.00	0	0	0	0
Stores	\$42,118.20	\$0.00	4020	0	0	0
SubTotal Utility Account:	\$1,093,980.98	\$12,803.26	8,895.00	97.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$1,468.32	0	0	0	0
Contractor Work	\$0.00	\$112.66	0	0	0	0
Department Clearings	\$0.00	\$1,270.10	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$820.79	0	0	0	0
Overheads Capitalized - General	\$0.00	\$206.37	0	0	0	0
Payroll Taxes	\$0.00	\$223.18	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	131	0	0
Stores	\$0.00	\$151.81	0	0	0	0
Mains-Steel 4"						
Contract Payroll	\$0.00	\$2,644.57	0	0	0	0
Contractor Work	\$0.00	\$10.73	0	0	0	0
Department Clearings	\$0.00	\$2,287.55	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$1,478.31	0	0	0	0
Overheads Capitalized - General	\$0.00	\$252.19	0	0	0	0
Payroll Taxes	\$0.00	\$401.97	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	25	0	0
Stores	\$0.00	\$184.42	0	0	0	0
Mains-Steel 6"						
Contract Payroll	\$0.00	\$4,960.50	0	0	0	0
Contractor Work	\$0.00	\$1,019.35	0	0	0	0
Department Clearings	\$0.00	\$4,290.83	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$2,772.92	0	0	0	0
Overheads Capitalized - General	\$0.00	\$3,090.35	0	0	0	0
Payroll Taxes	\$0.00	\$754.00	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	8090	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
1001-010001 ST. JOSEPH CITY/BUCHANAN						
376100-Mains - Steel						
Mains-Steel 6"						
Stores	\$0.00	\$5,505.06	0	0	0	0
SubTotal Utility Account:	\$0.00	\$33,905.98	0.00	8,246.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contract Payroll	\$3,152.87	\$7,610.85	0	0	0	0
Department Clearings	\$2,727.23	\$6,583.39	0	0	0	0
Overheads Capitalized - Benefits	\$1,762.45	\$4,254.47	0	0	0	0
Overheads Capitalized - General	\$502.95	\$491.23	0	0	0	0
Payroll Taxes	\$479.24	\$1,156.85	0	0	0	0
Stores	\$708.62	\$9.73	0	0	0	0
SubTotal Utility Account:	\$9,333.36	\$20,106.52	0.00	0.00	0.00	0.00
SubTotal Location:	\$1,103,314.34	\$66,815.76	8,895.00	8,343.00	0.00	0.00
Total Unit Estimate:	\$1,103,314.34	\$66,815.76	8,895	8,343	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 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				
1001-010001 ST. JOSEPH CITY/BUCHANAN					
376100-Mains - Steel					
Mains-Steel 2"					
OCR		URET	103	\$0.00	

Work Order Authorization Information

Header Detail

<p>Work Order: 801551</p> <p>Work Order Title: Repl 9904F 2-4P Windsor Ph 9 Miller</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 8494 Ft of 2in PL IP main and 1410 Ft of 4in PL IP main on S Windsor St, S Hughes St, S Lawn St, S Smith St, E Colt St, Century St, Holmes Dr, E Washington St, Poplar Dr, E Jackson St, E Benton St and in the Alley Southeast of S Main St.</p> <p>Major Location: 0322-Windsor - Henry Co.</p> <p>Asset Location: 0322-037001 HENRY CTY/WINDSOR</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: in service</p>
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Estimated Start Date: Jul 16, 2018 **Estimated Completion Date:** Aug 27, 2018 **Estimated In-Service Date:** Aug 27, 2018

Notes: Abandon 10 Ft of 2in PL MP main, 30 Ft of 4in PL MP main, 2213 Ft of 2in ST MP main, 4653 Ft of 3in ST MP main, 163 Ft of 4in ST IP main, and 4458 Ft of 4in ST MP main on S Windsor St, S Hughes St, S Lawn St, S Smith St, E Colt St, Century St, Holmes Dr, E Washington St, Poplar Dr, E Jackson St, E Benton St and in the Alley Southeast of S Main St. Upgrade 675 Ft of 2in PL MP main and Uprate 527 Ft of 4in PL MP main on Holmes Dr, E Colt St, and S Windsor St. Total Service Tie-overs=103; Total Service Replace=7; Total Service. Abandons=48; Total Service Uprates=5; Total Service Upgrades=12. This main is being replaced as part of FY18 bare steel replacement program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	5/21/2018
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	5/21/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	5/22/2018

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$27,487.86	\$27,487.86	\$0.00	\$0.00
376300-Mains - Plastic	\$728,380.77	\$1,769.91	\$730,150.68	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$11,837.75	\$1,253.12	\$13,090.87	\$0.00	\$0.00
Total Estimated Costs:	\$740,218.52	\$30,510.89	\$770,729.41	\$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
0322-037001 HENRY CTY/WINDSOI						
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$3,553.40	\$32.60	0	0	0	0
Contractor Work	\$411,676.46	\$732.75	0	0	0	0
Department Clearings	\$3,073.69	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$1,986.35	\$18.22	0	0	0	0
Overheads Capitalized - General	\$182,549.73	\$316.80	0	0	0	0
Payroll Taxes	\$540.12	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	10	0	0
Stores	\$17,317.21	\$7.76	8494	0	0	0
Mains-Plastic 4"						
Contract Payroll	\$619.40	\$32.60	0	0	0	0
Contractor Work	\$69,355.52	\$372.75	0	0	0	0
Department Clearings	\$535.78	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$346.24	\$18.22	0	0	0	0
Overheads Capitalized - General	\$31,668.17	\$163.90	0	0	0	0
Payroll Taxes	\$94.15	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	30	0	0
Stores	\$5,064.55	\$7.99	1410	0	0	0
SubTotal Utility Account:	\$728,380.77	\$1,769.91	9,904.00	40.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$163.00	0	0	0	0
Contractor Work	\$0.00	\$2,629.50	0	0	0	0
Department Clearings	\$0.00	\$141.00	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$91.12	0	0	0	0
Overheads Capitalized - General	\$0.00	\$1,213.07	0	0	0	0
Payroll Taxes	\$0.00	\$24.78	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2213	0	0
Stores	\$0.00	\$200.24	0	0	0	0
Mains-Steel 3"						
Contract Payroll	\$0.00	\$423.80	0	0	0	0
Contractor Work	\$0.00	\$514.50	0	0	0	0
Department Clearings	\$0.00	\$366.59	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$236.90	0	0	0	0
Overheads Capitalized - General	\$0.00	\$245.79	0	0	0	0
Payroll Taxes	\$0.00	\$64.42	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	4653	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
0322-037001 HENRY CTY/WINDSOI						
376100-Mains - Steel						
Mains-Steel 4"						
Contract Payroll	\$0.00	\$391.20	0	0	0	0
Contractor Work	\$0.00	\$12,034.50	0	0	0	0
Department Clearings	\$0.00	\$338.39	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$218.68	0	0	0	0
Overheads Capitalized - General	\$0.00	\$6,031.82	0	0	0	0
Payroll Taxes	\$0.00	\$59.46	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	4621	0	0
Stores	\$0.00	\$2,099.10	0	0	0	0
SubTotal Utility Account:	\$0.00	\$27,487.86	0.00	11,487.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$7,856.25	\$879.38	0	0	0	0
Overheads Capitalized - General	\$3,530.56	\$373.74	0	0	0	0
Stores	\$450.94	\$0.00	0	0	0	0
SubTotal Utility Account:	\$11,837.75	\$1,253.12	0.00	0.00	0.00	0.00
SubTotal Location:	\$740,218.52	\$30,510.89	9,904.00	11,527.00	0.00	0.00
Total Unit Estimate:	\$740,218.52	\$30,510.89	9,904	11,527	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

***** 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			
0322-037001 HENRY CTY/WINDSOR				
376100-Mains - Steel				
Mains-Steel 2"				
OCR			URET	320 \$0.00
OCR			URET	60 \$0.00
OCR			URET	206 \$0.00
OCR			URET	100 \$0.00
OCR			URET	442 \$0.00
OCR			URET	135 \$0.00
OCR			URET	578 \$0.00
OCR			URET	112 \$0.00
OCR			URET	105 \$0.00
OCR			URET	155 \$0.00
Mains-Steel 3"				
OCR			URET	310 \$0.00
OCR			URET	37 \$0.00
OCR			URET	402 \$0.00
OCR			URET	207 \$0.00
OCR			URET	270 \$0.00
OCR			URET	84 \$0.00
OCR			URET	452 \$0.00
OCR			URET	474 \$0.00
OCR			URET	1,654 \$0.00
OCR			URET	257 \$0.00
OCR			URET	506 \$0.00
Mains-Steel 4"				
OCR			URET	199 \$0.00
OCR			URET	110 \$0.00
OCR			URET	1,559 \$0.00
OCR			URET	2,750 \$0.00
OCR			URET	3 \$0.00
			Utility Account Total:	11,487 \$0.00
376300-Mains - Plastic				
Mains-Plastic 2"				
OCR			URET	5 \$0.00
OCR			URET	5 \$0.00
Mains-Plastic 4"				
OCR			URET	25 \$0.00
OCR			URET	5 \$0.00
			Utility Account Total:	40 \$0.00
			Location Total:	11,527 \$0.00
			GL Account Total:	11,527 \$0.00
			Posted Retirements:	11,527 \$0.00
			Work Order Total:	11,527 \$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

0322-037001 HENRY CTY/WINDSOI

376300-Mains - Plastic

Mains-Plastic 2"

Contract Payroll	\$2,439.48	\$65.20	0	0	0	0
Contractor Work	\$185,534.52	\$1,118.25	0	0	0	0
Department Clearings	\$2,110.15	\$56.40	0	0	0	0
Overheads Capitalized - Benefits	\$1,363.67	\$36.45	0	0	0	0
Overheads Capitalized - General	\$82,163.36	\$484.02	0	0	0	0
Payroll Taxes	\$370.80	\$9.91	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	205	0	0
Stores	\$7,423.68	\$10.80	5060	0	0	0

Mains-Plastic 4"

Contract Payroll	\$1,858.20	\$65.20	0	0	0	0
Contractor Work	\$188,816.48	\$38.25	0	0	0	0
Department Clearings	\$1,607.34	\$56.40	0	0	0	0
Overheads Capitalized - Benefits	\$1,038.73	\$36.45	0	0	0	0
Overheads Capitalized - General	\$91,253.97	\$20.43	0	0	0	0
Payroll Taxes	\$282.45	\$9.91	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	765	0	0
Stores	\$25,618.92	\$0.00	4220	0	0	0

SubTotal Utility Account:

\$591,881.75 \$2,007.67 9,280.00 970.00 0.00 0.00

376100-Mains - Steel

Mains-Steel 2"

Contract Payroll	\$0.00	\$195.60	0	0	0	0
Contractor Work	\$0.00	\$89.25	0	0	0	0
Department Clearings	\$0.00	\$169.19	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$109.34	0	0	0	0
Overheads Capitalized - General	\$0.00	\$50.45	0	0	0	0
Payroll Taxes	\$0.00	\$29.73	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2595	0	0

Mains-Steel 3"

Contract Payroll	\$0.00	\$456.40	0	0	0	0
Contractor Work	\$0.00	\$306.00	0	0	0	0
Department Clearings	\$0.00	\$394.79	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$255.13	0	0	0	0
Overheads Capitalized - General	\$0.00	\$159.26	0	0	0	0
Payroll Taxes	\$0.00	\$69.37	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	6085	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
0322-037001 HENRY CTY/WINDSOI						
376100-Mains - Steel						
Mains-Steel 4"						
Contract Payroll	\$0.00	\$195.60	0	0	0	0
Contractor Work	\$0.00	\$3,946.50	0	0	0	0
Department Clearings	\$0.00	\$169.19	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$109.34	0	0	0	0
Overheads Capitalized - General	\$0.00	\$1,988.13	0	0	0	0
Payroll Taxes	\$0.00	\$29.73	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2436	0	0
Stores	\$0.00	\$702.00	0	0	0	0
SubTotal Utility Account:	\$0.00	\$9,425.00	0.00	11,116.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$4,212.00	\$0.00	0	0	0	0
Overheads Capitalized - General	\$1,943.24	\$0.00	0	0	0	0
Stores	\$360.34	\$0.00	0	0	0	0
SubTotal Utility Account:	\$6,515.58	\$0.00	0.00	0.00	0.00	0.00
380100-Services - Steel						
Services-Steel						
Contractor Work	\$0.00	\$251.25	0	0	0	0
Overheads Capitalized - General	\$0.00	\$106.78	0	0	0	0
SubTotal Utility Account:	\$0.00	\$358.03	0.00	0.00	0.00	0.00
SubTotal Location:	\$598,397.33	\$11,790.70	9,280.00	12,086.00	0.00	0.00
Total Unit Estimate:	\$598,397.33	\$11,790.70	9,280	12,086	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

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

Business Segment	GL Account			
Asset Location				
Utility Account				
Retirement Unit		Vintage	Activity Code	Retire Qty
Asset Description				Retirement Amount
Posted Retirements:				
Missouri West	101000::Gas Plant in Service			
0322-037001 HENRY CTY/WINDSOR				
376100-Mains - Steel				
Mains-Steel 2"				
OCR			URET	584
OCR			URET	231
OCR			URET	242
OCR			URET	728
OCR			URET	305
OCR			URET	126
OCR			URET	50
OCR			URET	329
Mains-Steel 3"				
OCR			URET	200
OCR			URET	580
OCR			URET	441
OCR			URET	25
OCR			URET	585
OCR			URET	901
OCR			URET	203
OCR			URET	630
OCR			URET	63
OCR			URET	107
OCR			URET	1,545
OCR			URET	805
Mains-Steel 4"				
OCR			URET	908
OCR			URET	216
OCR			URET	267
OCR			URET	1,045
			Utility Account Total:	11,116
				\$0.00
376300-Mains - Plastic				
Mains-Plastic 2"				
OCR			URET	27
OCR			URET	3
OCR			URET	44
OCR			URET	131
Mains-Plastic 4"				
OCR			URET	280
OCR			URET	85
OCR			URET	400
			Utility Account Total:	970
				\$0.00
			Location Total:	12,086
				\$0.00
			GL Account Total:	12,086
				\$0.00
			Posted Retirements:	12,086
				\$0.00
			Work Order Total:	12,086
				\$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 802028</p> <p>Work Order Title: Repl 6370F 2-4P 33rd & Grand Ph 1F</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 - 5045 Ft of 2 in PL IP Main, and 1325 Ft of 4 in PL IP Main on W Scott Pl, W 27th Ter S, W 28th Ter S, S Fuller Ave, W 27th St S, W Sheley Rd, and S Norwood ave.</p> <p>Major Location: 0201-Independence</p> <p>Asset Location: 0201-043001 JACKSON CTY/INDEPENDENCE</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: in service</p>
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Estimated Start Date: Oct 01, 2018 **Estimated Completion Date:** Nov 26, 2018 **Estimated In-Service Date:** Nov 26, 2018

Notes: Abandon - 1 Ft of 2 in PL LP Main, and 1 Ft of 2 in PL IP Main, and 85 Ft of 4 in PL LP Main, and And 1 Ft of 6 in PL LP Main, and 5887 Ft of 2 in ST LP Main, and 1720 Ft of 4 in ST LP Main, and 97 Ft of 4 in ST IP Main, and 38 Ft of 6 in ST LP Main at the above locations. Upgrade - 1674 Ft of 4 in PL LP Main to IP on W Sheley Red, W 27th St S, W Scott Pl, and S Norwood Ave. Total Service Tie Over = 143; Total Service Abandon = 4; Total Service Upgrade = 21. These mains are being replaced as part of FY18 BST Main Replacement Program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	6/17/2018
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	6/21/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	6/22/2018

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$6,523.25	\$6,523.25	\$0.00	\$0.00
376300-Mains - Plastic	\$598,859.39	\$45,919.81	\$644,779.20	\$0.00	\$0.00
Total Estimated Costs:	\$598,859.39	\$52,443.06	\$651,302.45	\$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

376300-Mains - Plastic

Mains-Plastic 2"

Contract Payroll	\$2,119.00	\$65.20	0	0	0	0
Contractor Work	\$288,701.19	\$31.56	0	0	0	0
Department Clearings	\$1,832.94	\$56.40	0	0	0	0
Overheads Capitalized - Benefits	\$1,184.52	\$36.45	0	0	0	0
Overheads Capitalized - General	\$130,810.59	\$256.13	0	0	0	0
Payroll Taxes	\$322.09	\$9.91	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2	0	0
Stores	\$19,330.61	\$0.00	5045	0	0	0

Mains-Plastic 4"

Contract Payroll	\$972.46	\$163.00	0	0	0	0
Contractor Work	\$86,958.46	\$413.52	0	0	0	0
Department Clearings	\$841.18	\$141.00	0	0	0	0
Overheads Capitalized - Benefits	\$543.61	\$91.12	0	0	0	0
Overheads Capitalized - General	\$39,888.32	\$189.57	0	0	0	0
Payroll Taxes	\$147.81	\$24.78	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	85	0	0
Stores	\$6,749.98	\$7.99	1325	0	0	0

Mains-Plastic 6"

Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$44,052.90	0	0	0	0
Department Clearings	\$0.00	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.22	0	0	0	0
Overheads Capitalized - General	\$18,456.63	\$276.40	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1	0	0
Stores	\$0.00	\$19.90	0	0	0	0

SubTotal Utility Account:

\$598,859.39 \$45,919.81 6,370.00 88.00 0.00 0.00

376100-Mains - Steel

Mains-Steel 2"

Contract Payroll	\$0.00	\$130.40	0	0	0	0
Contractor Work	\$0.00	\$70.48	0	0	0	0
Department Clearings	\$0.00	\$112.80	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$72.89	0	0	0	0
Overheads Capitalized - General	\$0.00	\$1,554.27	0	0	0	0
Payroll Taxes	\$0.00	\$19.82	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	5887	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 2"

Stores

\$0.00 \$3,567.00 0 0 0 0

Mains-Steel 4"

Contract Payroll

\$0.00 \$163.00 0 0 0 0

Contractor Work

\$0.00 \$52.60 0 0 0 0

Department Clearings

\$0.00 \$141.00 0 0 0 0

Overheads Capitalized - Benefits

\$0.00 \$91.12 0 0 0 0

Overheads Capitalized - General

\$0.00 \$32.79 0 0 0 0

Payroll Taxes

\$0.00 \$24.78 0 0 0 0

Retirement Value

\$0.00 \$0.00 0 1817 0 0

Mains-Steel 6"

Contract Payroll

\$0.00 \$163.00 0 0 0 0

Contractor Work

\$0.00 \$42.08 0 0 0 0

Department Clearings

\$0.00 \$141.00 0 0 0 0

Overheads Capitalized - Benefits

\$0.00 \$91.12 0 0 0 0

Overheads Capitalized - General

\$0.00 \$28.32 0 0 0 0

Payroll Taxes

\$0.00 \$24.78 0 0 0 0

Retirement Value

\$0.00 \$0.00 0 38 0 0

SubTotal Utility Account: \$0.00 \$6,523.25 0.00 7,742.00 0.00 0.00

SubTotal Location: \$598,859.39 \$52,443.06 6,370.00 7,830.00 0.00 0.00

Total Unit Estimate: \$598,859.39 \$52,443.06 6,370 7,830 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

***** 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			
0201-043001 JACKSON CTY/INDEPENDENCE				
376100-Mains - Steel				
Mains-Steel 2"				
OCR			URET	303 \$0.00
OCR			URET	134 \$0.00
OCR			URET	1,596 \$0.00
OCR			URET	1,426 \$0.00
OCR			URET	1,946 \$0.00
OCR			URET	278 \$0.00
OCR			URET	204 \$0.00
Mains-Steel 4"				
OCR			URET	1,604 \$0.00
OCR			URET	97 \$0.00
OCR			URET	116 \$0.00
Mains-Steel 6"				
OCR			URET	38 \$0.00
			Utility Account Total:	7,742 \$0.00
376300-Mains - Plastic				
Mains-Plastic 2"				
OCR			URET	2 \$0.00
Mains-Plastic 4"				
OCR			URET	85 \$0.00
Mains-Plastic 6"				
OCR			URET	1 \$0.00
			Utility Account Total:	88 \$0.00
			Location Total:	7,830 \$0.00
			GL Account Total:	7,830 \$0.00
			Selected Retirements:	7,830 \$0.00
			Work Order Total:	7,830 \$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 802113</p> <p>Work Order Title: Repl 7320F 2P Higginsville Ph 1H</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 7320 Ft of 2 in PL IP Main on BUS MO-13, Fair Ground Ave, W 23rd St, W 24th St, W 25th St, W 26th St, Locust St, Oak St, Elm St, Walnut St, MO-T, Main St, Shelby St.</p> <p>Major Location: 0308-Higginsville</p> <p>Asset Location: 0308-049004 LAFAYETTE CTY/HIGGINSVILLE</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: in service</p>
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Estimated Start Date: Sep 03, 2018 **Estimated Completion Date:** Sep 30, 2018 **Estimated In-Service Date:** Sep 30, 2018

Notes: Abandon 2000 Ft of 2 in PL MP Main, 8112 Ft of 2 in ST MP Main, 378 Ft of 3 in ST MP Main, 1765 Ft of 4 in ST MP Main, 2958 Ft of 6 in ST MP Main at the above locations. Upgrade 1051 Ft of 2 in PL Main at the above locations. Uprate 830 Ft of 2 in PL Main on Eastwood Ave. Service Transfers = 65, Service Replacements = 6, Service Upgrades = 12, Service Uprates = 4, Service Abandons = 29. This main is being replaced as part of the FY18 Bare Steel Replacement Program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	6/19/2018
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	6/21/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	6/22/2018

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$17,592.24	\$17,592.24	\$0.00	\$0.00
376300-Mains - Plastic	\$448,434.50	\$3,103.21	\$451,537.71	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$9,688.60	\$1,074.09	\$10,762.69	\$0.00	\$0.00
Total Estimated Costs:	\$458,123.10	\$21,769.54	\$479,892.64	\$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

0308-049004 LAFAYETTE CTY/HIGC

376300-Mains - Plastic

Mains-Plastic 2"

Contract Payroll	\$3,316.31	\$97.80	0	0	0	0
Contractor Work	\$293,501.98	\$1,978.50	0	0	0	0
Department Clearings	\$2,868.61	\$84.60	0	0	0	0
Overheads Capitalized - Benefits	\$1,853.82	\$54.67	0	0	0	0
Overheads Capitalized - General	\$131,344.71	\$854.77	0	0	0	0
Payroll Taxes	\$504.08	\$14.87	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2000	0	0
Stores	\$15,044.99	\$18.00	7320	0	0	0

SubTotal Utility Account: \$448,434.50 \$3,103.21 7,320.00 2,000.00 0.00 0.00

376100-Mains - Steel

Mains-Steel 2"

Contract Payroll	\$0.00	\$456.40	0	0	0	0
Contractor Work	\$0.00	\$754.00	0	0	0	0
Department Clearings	\$0.00	\$394.79	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$255.13	0	0	0	0
Overheads Capitalized - General	\$0.00	\$349.66	0	0	0	0
Payroll Taxes	\$0.00	\$69.37	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	8112	0	0

Mains-Steel 3"

Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$51.00	0	0	0	0
Department Clearings	\$0.00	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.22	0	0	0	0
Overheads Capitalized - General	\$0.00	\$23.76	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	378	0	0

Mains-Steel 4"

Contract Payroll	\$0.00	\$456.40	0	0	0	0
Contractor Work	\$0.00	\$3,990.25	0	0	0	0
Department Clearings	\$0.00	\$394.79	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$255.13	0	0	0	0
Overheads Capitalized - General	\$0.00	\$2,023.42	0	0	0	0
Payroll Taxes	\$0.00	\$69.37	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1765	0	0
Stores	\$0.00	\$702.00	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

0308-049004 LAFAYETTE CTY/HIGC

376100-Mains - Steel

Mains-Steel 6"

Contract Payroll	\$0.00	\$130.40	0	0	0	0
Contractor Work	\$0.00	\$3,829.50	0	0	0	0
Department Clearings	\$0.00	\$112.80	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$72.89	0	0	0	0
Overheads Capitalized - General	\$0.00	\$2,071.77	0	0	0	0
Payroll Taxes	\$0.00	\$19.82	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2958	0	0
Stores	\$0.00	\$1,025.61	0	0	0	0

SubTotal Utility Account: \$0.00 \$17,592.24 0.00 13,213.00 0.00 0.00

380200-Services - Plastic & Copper

Services-Plastic

Contractor Work	\$6,412.50	\$753.75	0	0	0	0
Overheads Capitalized - General	\$2,889.58	\$320.34	0	0	0	0
Stores	\$386.52	\$0.00	0	0	0	0

SubTotal Utility Account: \$9,688.60 \$1,074.09 0.00 0.00 0.00 0.00

SubTotal Location: \$458,123.10 \$21,769.54 7,320.00 15,213.00 0.00 0.00

Total Unit Estimate: \$458,123.10 \$21,769.54 7,320 15,213 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

***** 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			
0308-049004 LAFAYETTE CTY/HIGGINSVILLE				
376100-Mains - Steel				
Mains-Steel 2"				
OCR			URET	367 \$0.00
OCR			URET	1,174 \$0.00
OCR			URET	869 \$0.00
OCR			URET	337 \$0.00
OCR			URET	498 \$0.00
OCR			URET	150 \$0.00
OCR			URET	594 \$0.00
OCR			URET	42 \$0.00
OCR			URET	694 \$0.00
OCR			URET	213 \$0.00
OCR			URET	209 \$0.00
OCR			URET	134 \$0.00
OCR			URET	1,827 \$0.00
OCR			URET	113 \$0.00
OCR			URET	240 \$0.00
OCR			URET	51 \$0.00
OCR			URET	197 \$0.00
OCR			URET	288 \$0.00
OCR			URET	38 \$0.00
OCR			URET	77 \$0.00
Mains-Steel 3"				
OCR			URET	378 \$0.00
Mains-Steel 4"				
OCR			URET	1,076 \$0.00
OCR			URET	114 \$0.00
OCR			URET	49 \$0.00
OCR			URET	526 \$0.00
Mains-Steel 6"				
OCR			URET	2,327 \$0.00
OCR			URET	615 \$0.00
OCR			URET	16 \$0.00
			Utility Account Total:	13,213 \$0.00
376300-Mains - Plastic				
Mains-Plastic 2"				
OCR			URET	130 \$0.00
OCR			URET	714 \$0.00
OCR			URET	160 \$0.00
OCR			URET	50 \$0.00
OCR			URET	5 \$0.00

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			
0308-049004 LAFAYETTE CTY/HIGGINSVILLE				
376300-Mains - Plastic				
Mains-Plastic 2"				
OCR			URET	941 \$0.00
			Utility Account Total:	2,000 \$0.00
			Location Total:	15,213 \$0.00
			GL Account Total:	15,213 \$0.00
			Posted Retirements:	15,213 \$0.00
			Work Order Total:	15,213 \$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 801553</p> <p>Work Order Title: Repl 7625F 2-4P Windsor Miller Ph11</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 4960 Ft of 2in PL IP main and 2665 Ft of 4in PL IP main on E Jackson St, S County Line Rd, Spruce Ln, E Birch Dr, W Birch Dr, Willa Ln, Highland Dr, Lindy Ln, Elm St, and Oak St.</p> <p>Major Location: 0322-Windsor - Henry Co.</p> <p>Asset Location: 0322-037001 HENRY CTY/WINDSOR</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: in service</p>
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Estimated Start Date: Aug 06, 2018 **Estimated Completion Date:** Sep 17, 2018 **Estimated In-Service Date:** Sep 17, 2018

Notes: Abandon 14 Ft of 2in PL MP main, 1525 Ft of 2in ST MP main, and 6027 Ft of 3in ST MP main on S County Line Rd, Spruce Ln, E Birch Dr, W Birch Dr, Willa Ln, Highland Dr, Lindy Ln, Elm St, and Oak St. Uprate 848 Ft of 2in PL MP main on Highland Dr and Oak St. Total Service Tie-overs=72; Total Service Abandons=7; Total Service Uprates=6. This main is being replaced as part of FY18 bare steel replacement program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	6/19/2018
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	6/21/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	6/22/2018

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$7,371.46	\$7,371.46	\$0.00	\$0.00
376300-Mains - Plastic	\$502,880.96	\$622.37	\$503,503.33	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$641.25	\$0.00	\$641.25	\$0.00	\$0.00
Total Estimated Costs:	\$503,522.21	\$7,993.83	\$511,516.04	\$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
0322-037001 HENRY CTY/WINDSOI						
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$2,086.40	\$32.60	0	0	0	0
Contractor Work	\$201,777.99	\$372.75	0	0	0	0
Department Clearings	\$1,804.74	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$1,166.30	\$18.22	0	0	0	0
Overheads Capitalized - General	\$89,789.61	\$162.04	0	0	0	0
Payroll Taxes	\$317.13	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	14	0	0
Stores	\$9,177.49	\$3.60	4960	0	0	0
Mains-Plastic 4"						
Contract Payroll	\$1,141.00	\$0.00	0	0	0	0
Contractor Work	\$120,201.34	\$0.00	0	0	0	0
Department Clearings	\$986.97	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$637.82	\$0.00	0	0	0	0
Overheads Capitalized - General	\$57,857.83	\$0.00	0	0	0	0
Payroll Taxes	\$173.43	\$0.00	0	0	0	0
Stores	\$15,762.91	\$0.00	2665	0	0	0
SubTotal Utility Account:	\$502,880.96	\$622.37	7,625.00	14.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$163.00	0	0	0	0
Contractor Work	\$0.00	\$51.00	0	0	0	0
Department Clearings	\$0.00	\$141.00	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$91.12	0	0	0	0
Overheads Capitalized - General	\$0.00	\$32.11	0	0	0	0
Payroll Taxes	\$0.00	\$24.78	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1525	0	0
Mains-Steel 3"						
Contract Payroll	\$0.00	\$619.40	0	0	0	0
Contractor Work	\$0.00	\$3,402.25	0	0	0	0
Department Clearings	\$0.00	\$535.78	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$346.24	0	0	0	0
Overheads Capitalized - General	\$0.00	\$1,600.43	0	0	0	0
Payroll Taxes	\$0.00	\$94.15	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	6027	0	0

Work Order Authorization Information

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

Asset Location	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
Utility Account						
Retirement Unit						
Est. Chg Type						
0322-037001 HENRY CTY/WINDSOI						
376100-Mains - Steel						
Mains-Steel 3"						
Stores	\$0.00	\$270.20	0	0	0	0
SubTotal Utility Account:	\$0.00	\$7,371.46	0.00	7,552.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$450.00	\$0.00	0	0	0	0
Overheads Capitalized - General	\$191.25	\$0.00	0	0	0	0
SubTotal Utility Account:	\$641.25	\$0.00	0.00	0.00	0.00	0.00
SubTotal Location:	\$503,522.21	\$7,993.83	7,625.00	7,566.00	0.00	0.00
Total Unit Estimate:	\$503,522.21	\$7,993.83	7,625	7,566	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 Retirements *****

Business Segment	GL Account	Vintage	Activity Code	Retire Qty	Retirement Amount
Asset Location					
Utility Account					
Retirement Unit					
Asset Description					
Selected Retirements:					
Missouri West	101000::Gas Plant in Service				
0322-037001 HENRY CTY/WINDSOR					
376100-Mains - Steel					
Mains-Steel 2"					
OCR			URET	794	\$0.00
OCR			URET	341	\$0.00
OCR			URET	390	\$0.00

Work Order Authorization Information

**** Work Order Retirements ****

Business Segment	GL Account			
Asset Location				
Utility Account				
Retirement Unit		Vintage	Activity Code	Retire Qty
Asset Description				Retirement Amount
Selected Retirements:				
Missouri West	101000::Gas Plant in Service			
0322-037001 HENRY CTY/WINDSOR				
376100-Mains - Steel				
Mains-Steel 3"				
OCR			URET	202
OCR			URET	504
OCR			URET	419
OCR			URET	814
OCR			URET	637
OCR			URET	3
OCR			URET	500
OCR			URET	1,138
OCR			URET	405
OCR			URET	105
OCR			URET	32
OCR			URET	330
OCR			URET	100
OCR			URET	389
OCR			URET	449
			Utility Account Total:	7,552
				\$0.00
376300-Mains - Plastic				
Mains-Plastic 2"				
OCR			URET	13
OCR			URET	1
			Utility Account Total:	14
				\$0.00
			Location Total:	7,566
				\$0.00
			GL Account Total:	7,566
				\$0.00
			Selected Retirements:	7,566
				\$0.00
			Work Order Total:	7,566
				\$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 801554</p> <p>Work Order Title: Repl 11619F 2-4P Windsor BS Ph 12</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 7877 ft of 2in PL IP main and 3742 4in PL IP main.</p> <p>Major Location: 0322-Windsor - Henry Co.</p> <p>Asset Location: 0322-037001 HENRY CTY/WINDSOR</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: in service</p>
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Estimated Start Date: Sep 10, 2018 **Estimated Completion Date:** Oct 15, 2018 **Estimated In-Service Date:** Oct 15, 2018

Notes: On N Windsor St, S Windsor St, E Benton St, E Florence St, E Colorado St, Spring Valley Dr, Lakeview Dr, S County Line Rd, S Smith St, N Smith St, N Hudson St, S Hughes St, and N Hughes St. Abandon 82 ft of 4in PL IP main, 35 ft of 4in PL MP main, 105 of 2in ST IP main, 2377 ft of 2in ST MP main, 2661 of 3in ST MP main, 5053 ft of 4in ST IP main, 7351 ft of 4in ST MP main, and 455 ft of 6in ST MP main on N Windsor St, S Windsor St, E Benton St, E Florence St, E Colorado St, Spring Valley Dr, Lakeview Dr, S County Line Rd, S Smith St, N Smith St, N Hudson St, S Hughes St, N Hughes St, N Lawn St, alley N of E Benton St, alley N of E Florence St, alley N of E Jackson St, E Jackson St, alley W of S Hughes St and N of E Jackson St, North St, W Benton St, W Jackson St, and in the alley E of S Commercial St. Uprate 351 ft of 4in PL MP on S Windsor St. Total Service Tie-Overs: 135 Total Service Replacements: 4 Total Service Abandons: 48 Total Service Upgrades: 4 Part of

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	8/7/2018
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	8/20/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	8/21/2018

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

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$8,113.45	\$8,113.45	\$0.00	\$0.00
376300-Mains - Plastic	\$850,034.73	\$254.89	\$850,289.62	\$0.00	\$0.00
380100-Services - Steel	\$0.00	\$716.06	\$716.06	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$6,890.96	\$0.00	\$6,890.96	\$0.00	\$0.00
Total Estimated Costs:	\$856,925.69	\$9,084.40	\$866,010.09	\$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

0322-037001 HENRY CTY/WINDSOI

376300-Mains - Plastic

Mains-Plastic 2"

Contract Payroll	\$3,292.60	\$0.00	0	0	0	0
Contractor Work	\$355,180.83	\$0.00	0	0	0	0
Department Clearings	\$2,848.10	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$1,840.56	\$0.00	0	0	0	0
Overheads Capitalized - General	\$157,782.65	\$0.00	0	0	0	0
Payroll Taxes	\$500.48	\$0.00	0	0	0	0
Stores	\$15,576.64	\$0.00	7877	0	0	0

Mains-Plastic 4"

Contract Payroll	\$1,564.80	\$32.60	0	0	0	0
Contractor Work	\$201,795.10	\$94.50	0	0	0	0
Department Clearings	\$1,353.55	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$874.72	\$18.22	0	0	0	0
Overheads Capitalized - General	\$92,222.79	\$52.44	0	0	0	0
Payroll Taxes	\$237.85	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	117	0	0
Stores	\$14,964.06	\$23.97	3742	0	0	0

SubTotal Utility Account:

\$850,034.73 \$254.89 11,619.00 117.00 0.00 0.00

376100-Mains - Steel

Mains-Steel 2"

Contract Payroll	\$0.00	\$163.00	0	0	0	0
Contractor Work	\$0.00	\$63.75	0	0	0	0
Department Clearings	\$0.00	\$141.00	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$91.12	0	0	0	0
Overheads Capitalized - General	\$0.00	\$37.53	0	0	0	0
Payroll Taxes	\$0.00	\$24.78	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2180	0	0

Mains-Steel 3"

Contract Payroll	\$0.00	\$163.00	0	0	0	0
Contractor Work	\$0.00	\$76.50	0	0	0	0
Department Clearings	\$0.00	\$141.00	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$91.12	0	0	0	0
Overheads Capitalized - General	\$0.00	\$42.94	0	0	0	0
Payroll Taxes	\$0.00	\$24.78	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2661	0	0

Mains-Steel 4"

Contract Payroll	\$0.00	\$847.60	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
0322-037001 HENRY CTY/WINDSOI						
376100-Mains - Steel						
Mains-Steel 4"						
Contractor Work	\$0.00	\$3,127.00	0	0	0	0
Department Clearings	\$0.00	\$733.17	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$473.81	0	0	0	0
Overheads Capitalized - General	\$0.00	\$1,459.29	0	0	0	0
Payroll Taxes	\$0.00	\$128.84	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	12404	0	0
Stores	\$0.00	\$178.98	0	0	0	0
Mains-Steel 6"						
Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$12.75	0	0	0	0
Department Clearings	\$0.00	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.22	0	0	0	0
Overheads Capitalized - General	\$0.00	\$7.51	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	455	0	0
SubTotal Utility Account:	\$0.00	\$8,113.45	0.00	17,700.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$4,575.00	\$0.00	0	0	0	0
Overheads Capitalized - General	\$2,055.20	\$0.00	0	0	0	0
Stores	\$260.76	\$0.00	0	0	0	0
SubTotal Utility Account:	\$6,890.96	\$0.00	0.00	0.00	0.00	0.00
380100-Services - Steel						
Services-Steel						
Contractor Work	\$0.00	\$502.50	0	0	0	0
Overheads Capitalized - General	\$0.00	\$213.56	0	0	0	0
SubTotal Utility Account:	\$0.00	\$716.06	0.00	0.00	0.00	0.00
SubTotal Location:	\$856,925.69	\$9,084.40	11,619.00	17,817.00	0.00	0.00
Total Unit Estimate:	\$856,925.69	\$9,084.40	11,619	17,817	0	0

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

Class Code	Value
cap_expense	capital
ISRS Reason	03 - Bare Steel Replacement
isrs_recov	yes

Work Order Authorization Information

***** Class Codes *****	
Class Code	Value
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

***** 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					
0322-037001 HENRY CTY/WINDSOR						
376100-Mains - Steel						
Mains-Steel 2"						
OCR		URET	205	\$0.00		
OCR		URET	1,363	\$0.00		
OCR		URET	390	\$0.00		
OCR		URET	117	\$0.00		
OCR		URET	105	\$0.00		
Mains-Steel 3"						
OCR		URET	1,670	\$0.00		
OCR		URET	513	\$0.00		
OCR		URET	105	\$0.00		
OCR		URET	221	\$0.00		
OCR		URET	100	\$0.00		
OCR		URET	52	\$0.00		
Mains-Steel 4"						
OCR		URET	40	\$0.00		
OCR		URET	490	\$0.00		
OCR		URET	584	\$0.00		
OCR		URET	3,775	\$0.00		
OCR		URET	192	\$0.00		
OCR		URET	85	\$0.00		
OCR		URET	716	\$0.00		
OCR		URET	6,412	\$0.00		
OCR		URET	110	\$0.00		
Mains-Steel 6"						
OCR		URET	455	\$0.00		
Utility Account Total:			17,700	\$0.00		

Work Order Authorization Information

**** Work Order Retirements ****

Business Segment	GL Account			Activity		
Asset Location		Vintage	Code	Retire Qty	Retirement Amount	
Utility Account						
Retirement Unit						
Asset Description						
Selected Retirements:						
Missouri West	101000::Gas Plant in Service					
0322-037001 HENRY CTY/WINDSOR						
376300-Mains - Plastic						
Mains-Plastic 4"						
OCR			URET	117	\$0.00	
				Utility Account Total:	117	\$0.00
				Location Total:	17,817	\$0.00
				GL Account Total:	17,817	\$0.00
				Selected Retirements:	17,817	\$0.00
				Work Order Total:	17,817	\$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 802255</p> <p>Work Order Title: Repl 3985F 2-4P 53rd & Swope Ph1D</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 2670 Ft. of 2 inch PL IP Main and 1315 Ft. of 4 inch PL IP on E 52rd St., Lister Ave., Elmwood Ave., Lawn Ave., and E 51st Ter.</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: in service</p>
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Estimated Start Date: Jan 01, 2019	Estimated Completion Date: Jan 28, 2019	Estimated In-Service Date: Jan 28, 2019
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Notes: Abandon 1033 Ft of 2 in ST LP Main, 625 Ft of 3 in ST IP Main, 448 Ft of 3 in ST LP Main, 1430 Ft of 4 in ST LP Main, and 1788 Ft of 6 in ST LP Main on the above mentioned streets. Total Service Tie-over =44; Total Service Abandoned = 3; Total Service Replace = 51. This main is being replaced as part of FY18 Bare Steel Replacement Program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	8/30/2018
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	9/10/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	9/11/2018

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$8,111.15	\$8,111.15	\$0.00	\$0.00
376300-Mains - Plastic	\$375,736.27	\$0.00	\$375,736.27	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$92,479.37	\$9,129.80	\$101,609.17	\$0.00	\$0.00
Total Estimated Costs:	\$468,215.64	\$17,240.95	\$485,456.59	\$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	\$1,141.00	\$0.00	0	0	0	0
Contractor Work	\$163,444.34	\$0.00	0	0	0	0
Department Clearings	\$986.97	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$637.82	\$0.00	0	0	0	0
Overheads Capitalized - General	\$74,500.13	\$0.00	0	0	0	0
Payroll Taxes	\$173.43	\$0.00	0	0	0	0
Stores	\$11,678.26	\$0.00	2670	0	0	0

Mains-Plastic 4"

Contract Payroll	\$554.20	\$0.00	0	0	0	0
Contractor Work	\$79,718.67	\$0.00	0	0	0	0
Department Clearings	\$479.38	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$309.80	\$0.00	0	0	0	0
Overheads Capitalized - General	\$36,335.31	\$0.00	0	0	0	0
Payroll Taxes	\$84.24	\$0.00	0	0	0	0
Stores	\$5,692.72	\$0.00	1315	0	0	0

SubTotal Utility Account:

\$375,736.27 \$0.00 3,985.00 0.00 0.00 0.00

376100-Mains - Steel

Mains-Steel 2"

Contract Payroll	\$0.00	\$97.80	0	0	0	0
Contractor Work	\$0.00	\$51.00	0	0	0	0
Department Clearings	\$0.00	\$84.60	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$54.67	0	0	0	0
Overheads Capitalized - General	\$0.00	\$27.93	0	0	0	0
Payroll Taxes	\$0.00	\$14.87	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1033	0	0

Mains-Steel 3"

Contract Payroll	\$0.00	\$97.80	0	0	0	0
Contractor Work	\$0.00	\$2,337.75	0	0	0	0
Department Clearings	\$0.00	\$84.60	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$54.67	0	0	0	0
Overheads Capitalized - General	\$0.00	\$1,057.55	0	0	0	0
Payroll Taxes	\$0.00	\$14.87	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1073	0	0
Stores	\$0.00	\$135.88	0	0	0	0

Mains-Steel 4"

Contract Payroll	\$0.00	\$97.80	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

376100-Mains - Steel

Mains-Steel 4"

Contractor Work	\$0.00	\$63.75	0	0	0	0
Department Clearings	\$0.00	\$84.60	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$54.67	0	0	0	0
Overheads Capitalized - General	\$0.00	\$981.95	0	0	0	0
Payroll Taxes	\$0.00	\$14.87	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1430	0	0
Stores	\$0.00	\$2,232.00	0	0	0	0

Mains-Steel 6"

Contract Payroll	\$0.00	\$130.40	0	0	0	0
Contractor Work	\$0.00	\$86.50	0	0	0	0
Department Clearings	\$0.00	\$112.80	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$72.89	0	0	0	0
Overheads Capitalized - General	\$0.00	\$45.11	0	0	0	0
Payroll Taxes	\$0.00	\$19.82	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1788	0	0

SubTotal Utility Account:	\$0.00	\$8,111.15	0.00	5,324.00	0.00	0.00
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380200-Services - Plastic & Copper

Services-Plastic

Contractor Work	\$61,631.25	\$6,406.88	0	0	0	0
Overheads Capitalized - General	\$27,581.57	\$2,722.92	0	0	0	0
Stores	\$3,266.55	\$0.00	0	0	0	0

SubTotal Utility Account:	\$92,479.37	\$9,129.80	0.00	0.00	0.00	0.00
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SubTotal Location:	\$468,215.64	\$17,240.95	3,985.00	5,324.00	0.00	0.00
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Total Unit Estimate:	\$468,215.64	\$17,240.95	3,985	5,324	0	0
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***** 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

***** 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 2"				
OCR			URET	315 \$0.00
OCR			URET	718 \$0.00
Mains-Steel 3"				
OCR			URET	625 \$0.00
OCR			URET	448 \$0.00
Mains-Steel 4"				
OCR			URET	75 \$0.00
OCR			URET	1,051 \$0.00
OCR			URET	304 \$0.00
Mains-Steel 6"				
OCR			URET	449 \$0.00
OCR			URET	1,339 \$0.00
			Utility Account Total:	5,324 \$0.00
			Location Total:	5,324 \$0.00
			GL Account Total:	5,324 \$0.00
			Posted Retirements:	5,324 \$0.00
			Work Order Total:	5,324 \$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 802217</p> <p>Work Order Title: Repl 1930F 2-4P Higginsville Ph1</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 920 Ft of 2 in PL IP Main and 1010 Ft of 4 in PL IP Main on E 22nd St, Lipper Ave, E 21st St, and E 20th ST.</p> <p>Major Location: 0308-Higginsville</p> <p>Asset Location: 0308-049004 LAFAYETTE CTY/HIGGINSVILLE</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: in service</p>
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Estimated Start Date: Dec 03, 2018 **Estimated Completion Date:** Dec 31, 2018 **Estimated In-Service Date:** Dec 31, 2018

Notes: Abandon 5 Ft of 2 in PL MP Main, 150 Ft of 4 in PL MP Main, 2106 Ft of 2 in ST MP Main, 20 Ft of 2 in ST TF Main, 25 Ft of 4 in ST MP Main, 5 Ft of 6 in ST MP Main at the above locations. Upgrade 943 Ft of 2 in PL Main on E 21st St. Service Transfers = 21, Service Replacements = 1, Service Upgrades = 2, Service Abandons = 1. This main is being replaced as part of the Bare Steel Replacement Program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	9/12/2018
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	9/18/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	9/18/2018

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

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$8,076.49	\$8,076.49	\$0.00	\$0.00
376300-Mains - Plastic	\$129,940.47	\$467.54	\$130,408.01	\$0.00	\$0.00
380100-Services - Steel	\$0.00	\$895.09	\$895.09	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$8,071.20	\$0.00	\$8,071.20	\$0.00	\$0.00
Total Estimated Costs:	\$138,011.67	\$9,439.12	\$147,450.79	\$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
0308-049004 LAFAYETTE CTY/HIGC						
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$903.51	\$32.60	0	0	0	0
Contractor Work	\$39,885.26	\$192.75	0	0	0	0
Department Clearings	\$781.54	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$505.06	\$18.22	0	0	0	0
Overheads Capitalized - General	\$18,456.14	\$84.77	0	0	0	0
Payroll Taxes	\$137.33	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	5	0	0
Stores	\$3,404.89	\$1.80	920	0	0	0
Mains-Plastic 4"						
Contract Payroll	\$423.80	\$32.60	0	0	0	0
Contractor Work	\$41,959.48	\$12.75	0	0	0	0
Department Clearings	\$366.59	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$236.90	\$18.22	0	0	0	0
Overheads Capitalized - General	\$19,337.90	\$7.51	0	0	0	0
Payroll Taxes	\$64.42	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	150	0	0
Stores	\$3,477.65	\$0.00	1010	0	0	0
SubTotal Utility Account:	\$129,940.47	\$467.54	1,930.00	155.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$97.80	0	0	0	0
Contractor Work	\$0.00	\$4,988.50	0	0	0	0
Department Clearings	\$0.00	\$84.60	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$54.67	0	0	0	0
Overheads Capitalized - General	\$0.00	\$2,275.85	0	0	0	0
Payroll Taxes	\$0.00	\$14.87	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	2126	0	0
Stores	\$0.00	\$351.72	0	0	0	0
Mains-Steel 4"						
Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$12.75	0	0	0	0
Department Clearings	\$0.00	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.22	0	0	0	0
Overheads Capitalized - General	\$0.00	\$7.51	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	25	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
0308-049004 LAFAYETTE CTY/HIGC						
376100-Mains - Steel						
Mains-Steel 6"						
Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$12.75	0	0	0	0
Department Clearings	\$0.00	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.22	0	0	0	0
Overheads Capitalized - General	\$0.00	\$7.51	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	5	0	0
SubTotal Utility Account:	\$0.00	\$8,076.49	0.00	2,156.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$5,343.75	\$0.00	0	0	0	0
Overheads Capitalized - General	\$2,407.20	\$0.00	0	0	0	0
Stores	\$320.25	\$0.00	0	0	0	0
SubTotal Utility Account:	\$8,071.20	\$0.00	0.00	0.00	0.00	0.00
380100-Services - Steel						
Services-Steel						
Contractor Work	\$0.00	\$628.13	0	0	0	0
Overheads Capitalized - General	\$0.00	\$266.96	0	0	0	0
SubTotal Utility Account:	\$0.00	\$895.09	0.00	0.00	0.00	0.00
SubTotal Location:	\$138,011.67	\$9,439.12	1,930.00	2,311.00	0.00	0.00
Total Unit Estimate:	\$138,011.67	\$9,439.12	1,930	2,311	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

***** 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			
0308-049004 LAFAYETTE CTY/HIGGINSVILLE				
376100-Mains - Steel				
Mains-Steel 2"				
OCR			URET	315 \$0.00
OCR			URET	566 \$0.00
OCR			URET	20 \$0.00
OCR			URET	245 \$0.00
OCR			URET	470 \$0.00
OCR			URET	92 \$0.00
OCR			URET	418 \$0.00
Mains-Steel 4"				
OCR			URET	25 \$0.00
Mains-Steel 6"				
OCR			URET	5 \$0.00
			Utility Account Total:	2,156 \$0.00
376300-Mains - Plastic				
Mains-Plastic 2"				
OCR			URET	5 \$0.00
Mains-Plastic 4"				
OCR			URET	150 \$0.00
			Utility Account Total:	155 \$0.00
			Location Total:	2,311 \$0.00
			GL Account Total:	2,311 \$0.00
			Posted Retirements:	2,311 \$0.00
			Work Order Total:	2,311 \$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 802175</p> <p>Work Order Title: Repl 4490F 2-4P 8th & Hardesty Ph2C</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 3975 Ft of 2in PL IP main, 505 Ft of 2in PL LP main and 10 Ft of 4in PL IP main on Kensington Ave, Spruce Ave, Anderson Ave, and Smart Ave.</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: in service</p>
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Estimated Start Date: Dec 03, 2018 **Estimated Completion Date:** Dec 31, 2018 **Estimated In-Service Date:** Dec 31, 2018

Notes: Abandon 855 Ft of 12in CI LP main, 303 Ft of 8in CI LP main, 440 Ft of 6in CI LP main, 3756 Ft of 4in CI LP main, 18 Ft of 4in PL LP main, 1442 Ft of 4in ST LP main, and 85 Ft of 2in ST LP main on St John Ave, Kensington Ave, Spruce Ave, Anderson Ave, Smart Ave, and Thompson Ave. Upgrade 1260 Ft of 4in PL LP main and 505 Ft of 2in PL LP main to IP on Kensington Ave and Spruce Ave. Total Service Tie-overs=122; Total Service Replacements=22; Total Service Upgrades=36; Total Service Abandons=18. This main is being replaced as part of the Cast Iron Replacement Program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	9/12/2018
Engineering Review-Dist	Hoferlin, Craig	\$0	9/18/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	9/18/2018

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$792.91	\$792.91	\$0.00	\$0.00
376200-Mains - Cast Iron	\$0.00	\$34,268.71	\$34,268.71	\$0.00	\$0.00
376300-Mains - Plastic	\$496,811.57	\$2,289.46	\$499,101.03	\$0.00	\$0.00
380100-Services - Steel	\$0.00	\$2,541.54	\$2,541.54	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$24,706.72	\$0.00	\$24,706.72	\$0.00	\$0.00
Total Estimated Costs:	\$521,518.29	\$39,892.62	\$561,410.91	\$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 12"

Contract Payroll	\$0.00	\$65.20	0	0	0	0
Contractor Work	\$0.00	\$10,165.24	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	\$4,480.91	0	0	0	0
Payroll Taxes	\$0.00	\$9.91	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	855	0	0
Stores	\$0.00	\$368.26	0	0	0	0

Mains-Cast Iron 4"

Contract Payroll	\$0.00	\$195.60	0	0	0	0
Contractor Work	\$0.00	\$4,871.84	0	0	0	0
Department Clearings	\$0.00	\$169.19	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$109.34	0	0	0	0
Overheads Capitalized - General	\$0.00	\$3,176.05	0	0	0	0
Payroll Taxes	\$0.00	\$29.73	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	4512	0	0
Stores	\$0.00	\$2,571.76	0	0	0	0

Mains-Cast Iron 6"

Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$5,326.33	0	0	0	0
Department Clearings	\$0.00	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.22	0	0	0	0
Overheads Capitalized - General	\$0.00	\$2,298.81	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	440	0	0
Stores	\$0.00	\$77.73	0	0	0	0

Mains-Cast Iron 8"

Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$63.10	0	0	0	0
Department Clearings	\$0.00	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.22	0	0	0	0
Overheads Capitalized - General	\$0.00	\$28.90	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	303	0	0

SubTotal Utility Account:	\$0.00	\$34,268.71	0.00	6,110.00	0.00	0.00
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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

376300-Mains - Plastic

Mains-Plastic 2"

Contract Payroll	\$2,638.38	\$0.00	0	0	0	0
Contractor Work	\$317,472.54	\$0.00	0	0	0	0
Department Clearings	\$2,282.20	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$1,474.85	\$0.00	0	0	0	0
Overheads Capitalized - General	\$143,125.67	\$0.00	0	0	0	0
Payroll Taxes	\$401.03	\$0.00	0	0	0	0
Stores	\$18,896.43	\$0.00	4480	0	0	0

Mains-Plastic 4"

Contract Payroll	\$2,027.16	\$32.60	0	0	0	0
Contractor Work	\$2,961.78	\$1,514.28	0	0	0	0
Department Clearings	\$1,753.49	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$1,133.18	\$18.22	0	0	0	0
Overheads Capitalized - General	\$1,671.30	\$659.24	0	0	0	0
Payroll Taxes	\$308.13	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	18	0	0
Stores	\$665.43	\$31.96	10	0	0	0

SubTotal Utility Account: \$496,811.57 \$2,289.46 4,490.00 18.00 0.00 0.00

376100-Mains - Steel

Mains-Steel 2"

Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$41.64	0	0	0	0
Department Clearings	\$0.00	\$28.20	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$18.22	0	0	0	0
Overheads Capitalized - General	\$0.00	\$19.78	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	85	0	0

Mains-Steel 4"

Contract Payroll	\$0.00	\$97.80	0	0	0	0
Contractor Work	\$0.00	\$273.20	0	0	0	0
Department Clearings	\$0.00	\$84.60	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$54.67	0	0	0	0
Overheads Capitalized - General	\$0.00	\$122.37	0	0	0	0
Payroll Taxes	\$0.00	\$14.87	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1442	0	0

SubTotal Utility Account: \$0.00 \$792.91 0.00 1,527.00 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						
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$15,928.95	\$0.00	0	0	0	0
Overheads Capitalized - General	\$7,368.67	\$0.00	0	0	0	0
Stores	\$1,409.10	\$0.00	0	0	0	0
SubTotal Utility Account:	\$24,706.72	\$0.00	0.00	0.00	0.00	0.00
380100-Services - Steel						
Services-Steel						
Contractor Work	\$0.00	\$1,783.54	0	0	0	0
Overheads Capitalized - General	\$0.00	\$758.00	0	0	0	0
SubTotal Utility Account:	\$0.00	\$2,541.54	0.00	0.00	0.00	0.00
SubTotal Location:	\$521,518.29	\$39,892.62	4,490.00	7,655.00	0.00	0.00
Total Unit Estimate:	\$521,518.29	\$39,892.62	4,490	7,655	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 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 2"					
OCR		URET	85	\$0.00	
Mains-Steel 4"					
OCR		URET	65	\$0.00	

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 4"				
OCR			URET	1,377 \$0.00
			Utility Account Total:	1,527 \$0.00
376200-Mains - Cast Iron				
Mains-Cast Iron 12"				
OCR			URET	855 \$0.00
Mains-Cast Iron 4"				
OCR			URET	2,446 \$0.00
OCR			URET	382 \$0.00
OCR			URET	1,130 \$0.00
OCR			URET	554 \$0.00
Mains-Cast Iron 6"				
OCR			URET	440 \$0.00
Mains-Cast Iron 8"				
OCR			URET	296 \$0.00
OCR			URET	2 \$0.00
OCR			URET	5 \$0.00
			Utility Account Total:	6,110 \$0.00
376300-Mains - Plastic				
Mains-Plastic 4"				
OCR			URET	8 \$0.00
OCR			URET	10 \$0.00
			Utility Account Total:	18 \$0.00
			Location Total:	7,655 \$0.00
			GL Account Total:	7,655 \$0.00
			Posted Retirements:	7,655 \$0.00
			Work Order Total:	7,655 \$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 802320</p> <p>Work Order Title: Repl 8855F 2-4-6P KC IP Strat Rte 3</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 7420 Ft of 6in PL IP main, 1375 Ft of 4in PL IPmain, and 60 Ft of 2in PL IP main on E 43rd St, Benton Blvd, BrushCreek Parkway, and Cleveland Ave.</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: in service</p>
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Estimated Start Date: Jan 07, 2019 **Estimated Completion Date:** Mar 25, 2019 **Estimated In-Service Date:** Mar 25, 2019

Notes: KC IP Strategic Header Route 3. Abandon 3843 Ft of 8in Bare ST IP main, 31 Ft of 4in Bare ST IP main, 5 Ft of 8in Coated ST IP main, 68 Ft of 4in PL IPmain, and 25 Ft of 2in PL IP main. Total Service Tie-Overs: 6, Total Service Replacements: 1, Total Service Abandonment: 3. This main is being replaced as part of the Bare Steel Replacement Program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	10/31/2018
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	11/5/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	11/5/2018

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$35,207.95	\$35,207.95	\$0.00	\$0.00
376300-Mains - Plastic	\$811,518.90	\$2,540.14	\$814,059.04	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$1,743.20	\$202.26	\$1,945.46	\$0.00	\$0.00
Total Estimated Costs:	\$813,262.10	\$37,950.35	\$851,212.45	\$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			\$35.77	\$35.77	0	0	0	0
	Contractor Work			\$2,224.22	\$1,272.75	0	0	0	0
	Department Clearings			\$52.58	\$52.58	0	0	0	0
	Overheads Capitalized - Benefits			\$31.48	\$31.48	0	0	0	0
	Overheads Capitalized - General			\$1,785.87	\$787.18	0	0	0	0
	Payroll Taxes			\$5.44	\$5.44	0	0	0	0
	Retirement Value			\$0.00	\$0.00	0	25	0	0
	Stores			\$697.98	\$12.25	60	0	0	0
	Mains-Plastic 4"								
	Contract Payroll			\$643.86	\$35.77	0	0	0	0
	Contractor Work			\$53,077.17	\$100.50	0	0	0	0
	Department Clearings			\$946.47	\$52.58	0	0	0	0
	Overheads Capitalized - Benefits			\$566.60	\$31.48	0	0	0	0
	Overheads Capitalized - General			\$35,686.29	\$84.44	0	0	0	0
	Payroll Taxes			\$97.87	\$5.44	0	0	0	0
	Retirement Value			\$0.00	\$0.00	0	68	0	0
	Stores			\$5,326.79	\$32.48	1375	0	0	0
	Mains-Plastic 6"								
	Contract Payroll			\$3,398.15	\$0.00	0	0	0	0
	Contractor Work			\$374,948.93	\$0.00	0	0	0	0
	Department Clearings			\$4,995.28	\$0.00	0	0	0	0
	Overheads Capitalized - Benefits			\$2,990.37	\$0.00	0	0	0	0
	Overheads Capitalized - General			\$264,822.70	\$0.00	0	0	0	0
	Payroll Taxes			\$516.52	\$0.00	0	0	0	0
	Stores			\$58,668.56	\$0.00	7420	0	0	0
	SubTotal Utility Account:			\$811,518.90	\$2,540.14	8,855.00	93.00	0.00	0.00
	376100-Mains - Steel								
	Mains-Steel 4"								
	Contract Payroll			\$0.00	\$35.77	0	0	0	0
	Contractor Work			\$0.00	\$12.75	0	0	0	0
	Department Clearings			\$0.00	\$52.58	0	0	0	0
	Overheads Capitalized - Benefits			\$0.00	\$31.48	0	0	0	0
	Overheads Capitalized - General			\$0.00	\$11.10	0	0	0	0
	Payroll Taxes			\$0.00	\$5.44	0	0	0	0
	Retirement Value			\$0.00	\$0.00	0	31	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 8"						
Contract Payroll	\$0.00	\$930.02	0	0	0	0
Contractor Work	\$0.00	\$12,346.75	0	0	0	0
Department Clearings	\$0.00	\$1,367.13	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$818.42	0	0	0	0
Overheads Capitalized - General	\$0.00	\$12,102.89	0	0	0	0
Payroll Taxes	\$0.00	\$141.36	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	3848	0	0
Stores	\$0.00	\$7,352.26	0	0	0	0
SubTotal Utility Account:	\$0.00	\$35,207.95	0.00	3,879.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$1,068.75	\$125.63	0	0	0	0
Overheads Capitalized - General	\$660.47	\$76.63	0	0	0	0
Stores	\$13.98	\$0.00	0	0	0	0
SubTotal Utility Account:	\$1,743.20	\$202.26	0.00	0.00	0.00	0.00
SubTotal Location:	\$813,262.10	\$37,950.35	8,855.00	3,972.00	0.00	0.00
Total Unit Estimate:	\$813,262.10	\$37,950.35	8,855	3,972	0	0

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

Class Code	Value
cap_expense	capital
ISRS Reason	07 - Cast Iron or Bare Steel Replacement - Cor
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

***** 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				
0401-043050 JACKSON CTY/KC					
376100-Mains - Steel					
Mains-Steel 4"					

Work Order Authorization Information

**** Work Order Retirements ****

Business Segment	GL Account	Activity Code	Retire Qty	Retirement Amount
Asset Location		Vintage		
Utility Account				
Retirement Unit				
Asset Description				
OCR		URET	5	\$0.00
OCR		URET	3,843	\$0.00
		Utility Account Total:	3,879	\$0.00
376300-Mains - Plastic				
Mains-Plastic 2"				
OCR		URET	25	\$0.00
Mains-Plastic 4"				
OCR		URET	21	\$0.00
OCR		URET	47	\$0.00
		Utility Account Total:	93	\$0.00
		Location Total:	3,972	\$0.00
		GL Account Total:	3,972	\$0.00
		Selected Retirements:	3,972	\$0.00
		Work Order Total:	3,972	\$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 802386</p> <p>Work Order Title: Repl 2025F 2-4P 24th Sterling Ph B</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 475 Ft of 2in PL IP main and 1550 Ft of 4" PL IP main on E 20th St S, Harvard Ave, S Harris Ave, and E 19TH Ter S.</p> <p>Major Location: 0201-Independence</p> <p>Asset Location: 0201-043001 JACKSON CTY/INDEPENDENCE</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: in service</p>
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Estimated Start Date: Feb 01, 2019 **Estimated Completion Date:** May 01, 2019 **Estimated In-Service Date:** May 01, 2019

Notes: Abandon 1388 Ft of 8in ST IP main, 2 Ft of 4in PL IP main, 117 Ft of 4in PL LP main, 527 Ft of 2in ST LP main, and 799 Ft of 4in ST LP main on E 20th St S, Harvard Ave, S Harris Ave, and E 19TH Ter S. Uprate 657 Ft of 4" PL LP main on E 20th St S & S Sterling Ave. Total Service Tie-overs=34; Total Service Replacements= 4; Total Service Abandons=1; Total Service Uprates=6. This main is being replaced as part of the Bare Steel Replacement Program.

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	11/28/2018
Engineering Review-Dist S	Hoeflerlin, Craig	\$0	11/30/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	11/30/2018

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$5,925.61	\$5,925.61	\$0.00	\$0.00
376300-Mains - Plastic	\$213,207.88	\$15,235.47	\$228,443.35	\$0.00	\$0.00
380100-Services - Steel	\$0.00	\$522.09	\$522.09	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$5,374.76	\$0.00	\$5,374.76	\$0.00	\$0.00
Total Estimated Costs:	\$218,582.64	\$21,683.17	\$240,265.81	\$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						
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$357.70	\$0.00	0	0	0	0
Contractor Work	\$25,583.41	\$5,257.62	0	0	0	0
Department Clearings	\$525.82	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$314.78	\$0.00	0	0	0	0
Overheads Capitalized - General	\$16,652.09	\$4,549.89	0	0	0	0
Payroll Taxes	\$54.37	\$0.00	0	0	0	0
Stores	\$1,660.56	\$2,201.21	715	0	0	0
Mains-Plastic 4"						
Contract Payroll	\$608.09	\$35.77	0	0	0	0
Contractor Work	\$95,569.09	\$1,883.72	0	0	0	0
Department Clearings	\$893.89	\$52.58	0	0	0	0
Overheads Capitalized - Benefits	\$535.12	\$31.48	0	0	0	0
Overheads Capitalized - General	\$62,902.87	\$1,177.16	0	0	0	0
Payroll Taxes	\$92.43	\$5.44	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	119	0	0
Stores	\$7,457.66	\$40.60	1309	0	0	0
SubTotal Utility Account:	\$213,207.88	\$15,235.47	2,024.00	119.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 12"						
Retirement Value	\$0.00	\$0.00	0	18	0	0
Mains-Steel 2"						
Contract Payroll	\$0.00	\$35.77	0	0	0	0
Contractor Work	\$0.00	\$150.22	0	0	0	0
Department Clearings	\$0.00	\$52.58	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$31.48	0	0	0	0
Overheads Capitalized - General	\$0.00	\$94.96	0	0	0	0
Payroll Taxes	\$0.00	\$5.44	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	527	0	0
Mains-Steel 4"						
Contract Payroll	\$0.00	\$35.77	0	0	0	0
Contractor Work	\$0.00	\$236.06	0	0	0	0
Department Clearings	\$0.00	\$52.58	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$31.48	0	0	0	0
Overheads Capitalized - General	\$0.00	\$147.32	0	0	0	0
Payroll Taxes	\$0.00	\$5.44	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	799	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"						
Contract Payroll	\$0.00	\$679.63	0	0	0	0
Contractor Work	\$0.00	\$483.92	0	0	0	0
Department Clearings	\$0.00	\$999.06	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$598.07	0	0	0	0
Overheads Capitalized - General	\$0.00	\$1,049.53	0	0	0	0
Payroll Taxes	\$0.00	\$103.30	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1388	0	0
Stores	\$0.00	\$1,133.00	0	0	0	0
SubTotal Utility Account:	\$0.00	\$5,925.61	0.00	2,732.00	0.00	0.00
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$3,066.12	\$0.00	0	0	0	0
Overheads Capitalized - General	\$2,036.40	\$0.00	0	0	0	0
Stores	\$272.24	\$0.00	0	0	0	0
SubTotal Utility Account:	\$5,374.76	\$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	\$197.81	0	0	0	0
SubTotal Utility Account:	\$0.00	\$522.09	0.00	0.00	0.00	0.00
SubTotal Location:	\$218,582.64	\$21,683.17	2,024.00	2,851.00	0.00	0.00
Total Unit Estimate:	\$218,582.64	\$21,683.17	2,024	2,851	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

***** 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				
376100-Mains - Steel				
Mains-Steel 12"				
OCR			URET	18 \$0.00
Mains-Steel 2"				
OCR			URET	362 \$0.00
OCR			URET	20 \$0.00
OCR			URET	145 \$0.00
Mains-Steel 4"				
OCR			URET	319 \$0.00
OCR			URET	480 \$0.00
Mains-Steel 8"				
OCR			URET	908 \$0.00
OCR			URET	480 \$0.00
			Utility Account Total:	2,732 \$0.00
376300-Mains - Plastic				
Mains-Plastic 4"				
OCR			URET	1 \$0.00
OCR			URET	2 \$0.00
OCR			URET	2 \$0.00
OCR			URET	114 \$0.00
			Utility Account Total:	119 \$0.00
			Location Total:	2,851 \$0.00
			GL Account Total:	2,851 \$0.00
			Posted Retirements:	2,851 \$0.00
			Work Order Total:	2,851 \$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 802352</p> <p>Work Order Title: Repl 1125F 2P Pennell & Hodges</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 ~1125 Ft of 2 in PL IP Main at Sheridan Ave and Hodges Dr due to leaking valve 1513-135N in Carl Junction.</p> <p>Major Location: 0513-Carl Junction</p> <p>Asset Location: 0513-044020 JASPER CTY/CARL JUNCTION</p> <p>Estimated Start Date: Mar 04, 2019 Estimated Completion Date: Mar 22, 2019 Estimated In-Service Date: Mar 22, 2019</p> <p>Notes: Abandon ~1171 Ft of 2 in ST IP Main in Alley between Pennell Stand Sheridan Ave, W of Hodges Dr in Carl Junction. Total Service Tie-Overs: 9. ISRS Recoverable due to vintage of pipe.</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	Muehlenkamp, Anne	\$0	2/21/2019
Engineering Review-Dist	Hoeflerlin, Craig	\$0	3/10/2019
VP Field Operations-MGE	Goodson, Timothy	\$1,000,000	3/11/2019

**** Unit Estimate ****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
376300-Mains - Plastic	\$49,532.33	\$595.51	\$50,127.84	\$0.00	\$0.00
Total Estimated Costs:	\$49,532.33	\$595.51	\$50,127.84	\$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
0513-044020 JASPER CTY/CARL JL						
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$1,645.42	\$71.54	0	0	0	0
Contractor Work	\$25,556.14	\$210.14	0	0	0	0
Department Clearings	\$2,418.77	\$105.16	0	0	0	0
Overheads Capitalized - Benefits	\$1,447.97	\$62.96	0	0	0	0
Overheads Capitalized - General	\$16,678.74	\$134.84	0	0	0	0
Payroll Taxes	\$250.10	\$10.87	0	0	0	0
Stores	\$1,535.19	\$0.00	1125	0	0	0
SubTotal Utility Account:	\$49,532.33	\$595.51	1,125.00	0.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 2"						
Retirement Value	\$0.00	\$0.00	0	1171	0	0
SubTotal Utility Account:	\$0.00	\$0.00	0.00	1,171.00	0.00	0.00
SubTotal Location:	\$49,532.33	\$595.51	1,125.00	1,171.00	0.00	0.00
Total Unit Estimate:	\$49,532.33	\$595.51	1,125	1,171	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 Retirements *****

Business Segment	GL Account	Activity	Retire Qty	Retirement Amount
Asset Location		Vintage Code		
Utility Account				
Retirement Unit				
Asset Description				
Selected Retirements:				
Missouri West	101000::Gas Plant in Service			
0513-044020 JASPER CTY/CARL JUNCTION				
376100-Mains - Steel				
Mains-Steel 2"				
OCR		URET	273	\$0.00

Work Order Authorization Information

**** Work Order Retirements ****

Business Segment	GL Account	URET Activity	Retire Qty	Retirement Amount
Asset Location				
Utility Account			252	\$0.00
Retirement Unit				
Asset Description	Vintage	Code	Retire Qty	Retirement Amount
OCR		URET	436	\$0.00
Utility Account Total:			1,171	\$0.00
Location Total:			1,171	\$0.00
GL Account Total:			1,171	\$0.00
Selected Retirements:			1,171	\$0.00
Work Order Total:			1,171	\$0.00

Work Order Authorization Information

Header Detail

<p>Work Order: 802703</p> <p>Work Order Title: Reloc 20F 2P 10201 Linwood Ct RkCrk</p> <p>Wo Type Description: WO-Relocation Mains MGE</p> <p>Work Order Group:</p> <p>Current Revision: 1</p> <p>Funding Project: F0578</p> <p>Funding Project Desc: Street & Highway Relocates ISRS (S)</p> <p>Eligible for AFUDC: yes Eligible for CPI: yes</p> <p>Reason Code: Government Request</p> <p>WO Description: Install ~20 Ft of 2in PL IP Main. Rock Creek at 10201 Linwood Ct</p> <p>Major Location: 0201-Independence</p> <p>Asset Location: 0201-043001 JACKSON CTY/INDEPENDENCE</p> <p>Estimated Start Date: May 27, 2019 Estimated Completion Date: May 31, 2019 Estimated In-Service Date: May 31, 2019</p> <p>Notes: Dog leg 5' under the proposed storm sewer for 10'. Abandon ~10 Ft of 2in PL IP Main. ISRS recoverable MRELO due to Civic Improvement.</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: Street & highway relocates</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	Muehlenkamp, Anne	\$0	4/10/2019
Engineering Review-Dist 5	Hoeflerlin, Craig	\$0	4/12/2019
VP Field Operations-MGE	Goodson, Timothy	\$1,000,000	4/15/2019

***** Unit Estimate *****					
Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376300-Mains - Plastic	\$12,772.81	\$4,267.58	\$17,040.39	\$0.00	\$0.00
Total Estimated Costs:	\$12,772.81	\$4,267.58	\$17,040.39	\$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									
376300-Mains - Plastic									
Mains-Plastic 2"									
Contract Payroll				\$572.32	\$357.70	0	0	0	0
Contractor Work				\$6,492.05	\$1,851.95	0	0	0	0
Department Clearings				\$841.31	\$525.82	0	0	0	0
Overheads Capitalized - Benefits				\$503.64	\$314.78	0	0	0	0
Overheads Capitalized - General				\$4,113.07	\$1,162.96	0	0	0	0
Payroll Taxes				\$86.99	\$54.37	0	0	0	0
Retirement Value				\$0.00	\$0.00	0	10	0	0
Stores				\$163.43	\$0.00	20	0	0	0
SubTotal Utility Account:				\$12,772.81	\$4,267.58	20.00	10.00	0.00	0.00
SubTotal Location:				\$12,772.81	\$4,267.58	20.00	10.00	0.00	0.00
Total Unit Estimate:				\$12,772.81	\$4,267.58	20	10	0	0

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

Class Code	Value
cap_expense	capital
ISRS Reason	09 - Facility Relocation due to Civic Improveme
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

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

Business Segment	GL Account			Activity	Retire Qty	Retirement Amount
Asset Location	Utility Account	Retirement Unit	Asset Description	Vintage	Code	
Posted Retirements:						
Missouri West		101000::Gas Plant in Service				
0201-043001 JACKSON CTY/INDEPENDENCE						
376300-Mains - Plastic						
Mains-Plastic 2"						
OCR				URET	10	\$0.00
				Utility Account Total:		10
				Location Total:		10
				GL Account Total:		10
				Posted Retirements:		10
				Work Order Total:		10
						\$0.00