



### Work Order Authorization Information

**Header Detail**

<p><b>Work Order: 802360</b>  <b>Work Order Title:</b> Repl 2015F 4P River N of Pacific  <b>Wo Type Description:</b> WO-Replacement Mains &amp; Svcs MGE  <b>Work Order Group:</b>  <b>Current Revision:</b> 2  <b>Funding Project:</b> F0604  <b>Funding Project Desc:</b> Main Replacement - ISRS (S)  <b>Eligible for AFUDC:</b> yes      <b>Eligible for CPI:</b> yes  <b>Reason Code:</b> Strategic  <b>WO Description:</b> Install ~ 1510 Ft of 4in PL IP Main, ~505 Ft of 4in PL LP Main.</p>	<p><b>Company:</b> Spire Missouri Inc.  <b>Business Segment:</b> Missouri West  <b>Functional Class:</b> Distribution Plant  <b>Department Code:</b> 20638  <b>Department Description:</b> Construction &amp; Maintenance - Region 2B - Unio  <b>Budget Description:</b> Replace bare steel main - safety re  <b>Est. Annual Revenue:</b>  <b>Reimbursement Type:</b> None  <b>Retirement Type:</b></p>
<p><b>Major Location:</b> 0201-Independence  <b>Asset Location:</b> 0201-043001 JACKSON CTY//INDEPENDENCE</p>	<p><b>Status:</b> completed</p>

**Estimated Start Date:** Dec 24, 2018      **Estimated Completion Date:** Dec 28, 2018      **Estimated In-Service Date:** Dec 28, 2018

**Notes:** We have a #3 Leak that is due on 02/19/19 on a 1000 Ft segment of Cast Iron main on River between Walnut and Pacific. We need to replace this segment and would also like to replace the 270 Ft cast iron segment on River between Truman and Maple. Abandon ~ 1448 Ft of 6in ST IP Main ~571 Ft of 8in ST LP Main, ~1270 Ft of 8in CI LP main, 10 Ft of 4" PL IP LP Main. Total Service Tie overs: 3. MREPL to clear leak due Feb 2019, also to remove remaining Cast Iron main. This is ISRS Recoverable.

**Reason for Work (Justification)**

### Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	12/17/2018
Engineering Review-Dist 5	Hoferlin, Craig	\$0	1/3/2019
VP Field Operations-MGE	Goodson, Timothy	\$1,000,000	1/4/2019

\*\*\*\* Unit Estimate \*\*\*\*

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$30,822.50	\$30,822.50	\$0.00	\$0.00
376200-Mains - Cast Iron	\$0.00	\$8,399.33	\$8,399.33	\$0.00	\$0.00
376300-Mains - Plastic	\$98,784.61	\$849.92	\$99,634.53	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$1,052.94	\$0.00	\$1,052.94	\$0.00	\$0.00
<b>Total Estimated Costs:</b>	<b>\$99,837.55</b>	<b>\$40,071.75</b>	<b>\$139,909.30</b>	<b>\$0.00</b>	<b>\$0.00</b>

### Work Order Authorization Information

\*\*\*\*\* Unit Estimate \*\*\*\*\*

Asset Location						
Utility Account						
Retirement Unit						
Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0201-043001 JACKSON CTY//INDEP						
376200-Mains - Cast Iron						
Mains-Cast Iron 8"						
Contract Payroll	\$0.00	\$286.16	0	0	0	0
Contractor Work	\$0.00	\$4,578.00	0	0	0	0
Department Clearings	\$0.00	\$420.66	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$251.82	0	0	0	0
Overheads Capitalized - General	\$0.00	\$2,819.19	0	0	0	0
Payroll Taxes	\$0.00	\$43.50	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1270	0	0
<b>SubTotal Utility Account:</b>	<b>\$0.00</b>	<b>\$8,399.33</b>	<b>0.00</b>	<b>1,270.00</b>	<b>0.00</b>	<b>0.00</b>
376300-Mains - Plastic						
Mains-Plastic 4"						
Contract Payroll	\$715.40	\$71.54	0	0	0	0
Contractor Work	\$51,824.08	\$368.16	0	0	0	0
Department Clearings	\$1,051.64	\$105.16	0	0	0	0
Overheads Capitalized - Benefits	\$629.55	\$62.96	0	0	0	0
Overheads Capitalized - General	\$36,519.81	\$231.23	0	0	0	0
Payroll Taxes	\$108.74	\$10.87	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	10	0	0
Stores	\$7,935.39	\$0.00	2015	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$98,784.61</b>	<b>\$849.92</b>	<b>2,015.00</b>	<b>10.00</b>	<b>0.00</b>	<b>0.00</b>
376100-Mains - Steel						
Mains-Steel 6"						
Contract Payroll	\$0.00	\$357.70	0	0	0	0
Contractor Work	\$0.00	\$7,411.44	0	0	0	0
Department Clearings	\$0.00	\$525.82	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$314.78	0	0	0	0
Overheads Capitalized - General	\$0.00	\$4,642.54	0	0	0	0
Payroll Taxes	\$0.00	\$54.37	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1493	0	0
Stores	\$0.00	\$144.74	0	0	0	0
Mains-Steel 8"						
Contract Payroll	\$0.00	\$214.62	0	0	0	0
Contractor Work	\$0.00	\$8,282.88	0	0	0	0
Department Clearings	\$0.00	\$315.49	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$188.87	0	0	0	0
Overheads Capitalized - General	\$0.00	\$6,309.23	0	0	0	0
Payroll Taxes	\$0.00	\$32.62	0	0	0	0

### Work Order Authorization Information

#### \*\*\*\*\* Unit Estimate \*\*\*\*\*

Asset Location						
Utility Account						
Retirement Unit						
Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0201-043001 JACKSON CTY/INDEP						
376100-Mains - Steel						
Mains-Steel 8"						
Retirement Value	\$0.00	\$0.00	0	676	0	0
Stores	\$0.00	\$2,027.40	0	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$0.00</b>	<b>\$30,822.50</b>	<b>0.00</b>	<b>2,169.00</b>	<b>0.00</b>	<b>0.00</b>
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$654.00	\$0.00	0	0	0	0
Overheads Capitalized - General	\$398.94	\$0.00	0	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$1,052.94</b>	<b>\$0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>SubTotal Location:</b>	<b>\$99,837.55</b>	<b>\$40,071.75</b>	<b>2,015.00</b>	<b>3,449.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Unit Estimate:</b>	<b>\$99,837.55</b>	<b>\$40,071.75</b>	<b>2,015</b>	<b>3,449</b>	<b>0</b>	<b>0</b>

#### \*\*\*\*\* Class Codes \*\*\*\*\*

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

#### \*\*\*\*\* As-Built \*\*\*\*\*

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Available for Unitization:</b>				
0201-043001 JACKSON CTY/INDEPENDENCE				
376100-Mains - Steel				
Addition				
Overheads Capitalized - General	Mains-Steel 6"		\$248.07	0
Overheads Capitalized - General	Mains-Steel 8"		\$668.03	0
<b>Addition Total:</b>			<b>\$916.10</b>	<b>0</b>
Retirement				
Contract Payroll	Mains-Steel 8"		\$1,430.80	0

**Work Order Authorization Information**

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

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Available for Unitization:</b>							
0201-043001 JACKSON CTY/INDEPENDENCE							
376100-Mains - Steel							
Retirement							
		Contract Payroll		Mains-Steel 6"		\$357.70	0
		Contractor Work		Mains-Steel 6"		\$2,287.57	0
		Contractor Work		Mains-Steel 8"		\$30,575.64	0
		Department Clearings		Mains-Steel 6"		\$525.82	0
		Department Clearings		Mains-Steel 8"		\$2,103.28	0
		Overheads Capitalized - Benefits		Mains-Steel 6"		\$314.78	0
		Overheads Capitalized - Benefits		Mains-Steel 8"		\$1,259.10	0
		Overheads Capitalized - General		Mains-Steel 8"		\$20,290.67	0
		Overheads Capitalized - General		Mains-Steel 6"		\$1,247.70	0
		Payroll Taxes		Mains-Steel 8"		\$217.48	0
		Payroll Taxes		Mains-Steel 6"		\$54.37	0
		Retirement Value		Mains-Steel 8"		\$2.65	2
		Retirement Value		Mains-Steel 6"		\$914.06	672
		Retirement Value		Mains-Steel 8"		\$1,203.61	176
		Retirement Value		Mains-Steel 8"		\$1,486.87	77
		Retirement Value		Mains-Steel 8"		\$8,712.01	245
		Retirement Value		Mains-Steel 6"		\$4,974.59	749
		Stores		Mains-Steel 6"		\$109.97	0
		Stores		Mains-Steel 8"		\$3,564.74	0
<b>Retirement Total:</b>						<b>\$81,633.41</b>	<b>1,921</b>
376200-Mains - Cast Iron							
Retirement							
		Contract Payroll		Mains-Cast Iron 8"		\$715.40	0
		Contractor Work		Mains-Cast Iron 8"		\$8,953.00	0
		Department Clearings		Mains-Cast Iron 8"		\$1,051.64	0
		Overheads Capitalized - Benefits		Mains-Cast Iron 8"		\$629.55	0
		Overheads Capitalized - General		Mains-Cast Iron 8"		\$5,527.86	0
		Payroll Taxes		Mains-Cast Iron 8"		\$108.74	0
		Retirement Value		Mains-Cast Iron 8"		\$2,007.78	1,209
<b>Retirement Total:</b>						<b>\$18,993.97</b>	<b>1,209</b>
376300-Mains - Plastic							
Addition							
		Contract Payroll		Mains-Plastic 4"		\$3,577.00	0
		Contractor Work		Mains-Plastic 4"		\$112,049.13	0
		Department Clearings		Mains-Plastic 4"		\$5,258.19	0
		Overheads Capitalized - Benefits		Mains-Plastic 4"		\$3,147.76	0
		Overheads Capitalized - General		Mains-Plastic 4"		\$83,865.64	0
		Payroll Taxes		Mains-Plastic 4"		\$543.70	0
		Stores		Mains-Plastic 4"		\$24,890.18	1,907
<b>Addition Total:</b>						<b>\$233,331.60</b>	<b>1,907</b>
Retirement							
		Contract Payroll		Mains-Plastic 4"		\$357.70	0
		Contractor Work		Mains-Plastic 4"		\$383.70	0
		Department Clearings		Mains-Plastic 4"		\$525.82	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:**

0201-043001 JACKSON CTY//INDEPENDENCE

376300-Mains - Plastic

Retirement

Overheads Capitalized - Benefits	Mains-Plastic 4"					\$314.78	0
Overheads Capitalized - General	Mains-Plastic 4"					\$267.32	0
Payroll Taxes	Mains-Plastic 4"					\$54.37	0
Retirement Value	Mains-Plastic 4"					\$1,875.81	50
<b>Retirement Total:</b>						<b>\$3,779.50</b>	<b>50</b>

380200-Services - Plastic & Copper

Addition

Contract Payroll	Services-Plastic					\$178.85	0
Contractor Work	Services-Plastic					\$2,385.24	0
Department Clearings	Services-Plastic					\$262.91	0
Overheads Capitalized - Benefits	Services-Plastic					\$157.39	0
Overheads Capitalized - General	Services-Plastic					\$1,568.44	0
Payroll Taxes	Services-Plastic					\$27.19	0
Stores	Services-Plastic					\$158.71	140
<b>Addition Total:</b>						<b>\$4,738.73</b>	<b>140</b>

Retirement

Contract Payroll	Services-Plastic					\$160.97	0
Contractor Work	Services-Plastic					\$685.25	0
Department Clearings	Services-Plastic					\$236.63	0
Overheads Capitalized - Benefits	Services-Plastic					\$141.65	0
Overheads Capitalized - General	Services-Plastic					\$432.97	0
Payroll Taxes	Services-Plastic					\$24.47	0
Retirement Value	Services-Plastic					\$88.26	3
Retirement Value	Services-Plastic					\$576.55	55
Retirement Value	Services-Plastic					\$70.93	6
Retirement Value	Services-Plastic					\$14.09	2
<b>Retirement Total:</b>						<b>\$2,431.77</b>	<b>66</b>

<b>Location Total:</b>	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
	\$238,986.43	2,047	\$106,838.65	3,246
<b>Available for Unitization:</b>	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
	\$238,986.43	2,047	\$106,838.65	3,246
<b>Unit Estimate Total:</b>	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
	\$238,986.43	2,047	\$106,838.65	3,246

**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
<b>Posted Retirements:</b>					
Missouri West	101000::Gas Plant in Service				
0201-043001 JACKSON CTY/INDEPENDENCE					
376100-Mains - Steel					
Mains-Steel 6"					
OCR		1939	URET	672	\$914.06
OCR		1966	URET	749	\$4,974.59
Mains-Steel 8"					
OCR		1936	URET	2	\$2.65
OCR		1953	URET	176	\$1,203.61
OCR		1988	URET	77	\$1,486.87
OCR		1989	URET	245	\$8,712.01
		<b>Utility Account Total:</b>		<b>1,921</b>	<b>\$17,293.79</b>
376200-Mains - Cast Iron					
Mains-Cast Iron 8"					
OCR		1939	URET	1,209	\$2,007.78
		<b>Utility Account Total:</b>		<b>1,209</b>	<b>\$2,007.78</b>
376300-Mains - Plastic					
Mains-Plastic 4"					
OCR		1989	URET	50	\$1,875.81
		<b>Utility Account Total:</b>		<b>50</b>	<b>\$1,875.81</b>
380200-Services - Plastic & Copper					
Services-Plastic					
OCR		1980	URET	2	\$14.09
OCR		1987	URET	6	\$70.93
OCR		1991	URET	55	\$576.55
OCR		2014	URET	3	\$88.26
		<b>Utility Account Total:</b>		<b>66</b>	<b>\$749.83</b>
		<b>Location Total:</b>		<b>3,246</b>	<b>\$21,927.21</b>
		<b>GL Account Total:</b>		<b>3,246</b>	<b>\$21,927.21</b>
		<b>Posted Retirements:</b>		<b>3,246</b>	<b>\$21,927.21</b>
		<b>Work Order Total:</b>		<b>3,246</b>	<b>\$21,927.21</b>

## Work Order Authorization Information

**Header Detail**

<p><b>Work Order: 802354</b></p> <p><b>Work Order Title:</b> Repl 167F 2P 25th &amp; Drury</p> <p><b>Wo Type Description:</b> WO-Replacement Mains &amp; Svcs MGE</p> <p><b>Work Order Group:</b></p> <p><b>Current Revision:</b> 1</p> <p><b>Funding Project:</b> F0599</p> <p><b>Funding Project Desc:</b> Main Replacement - ISRS (N)</p> <p><b>Eligible for AFUDC:</b> yes      <b>Eligible for CPI:</b> yes</p> <p><b>Reason Code:</b> System Integrity</p> <p><b>WO Description:</b> Insert ~ 167 Ft of 2 in PL LP Main at 25th Street at Drury. One service being tied over. This main is being replaced due to leak.</p> <p><b>Major Location:</b> 0401-KC/MO - Central</p> <p><b>Asset Location:</b> 0401-043050 JACKSON CTY/KC</p> <p><b>Estimated Start Date:</b> Nov 12, 2018</p> <p><b>Notes:</b></p>	<p><b>Company:</b> Spire Missouri Inc.</p> <p><b>Business Segment:</b> Missouri West</p> <p><b>Functional Class:</b> Distribution Plant</p> <p><b>Department Code:</b> 20648</p> <p><b>Department Description:</b> Construction &amp; Maintenance - Region 2A - Unio</p> <p><b>Budget Description:</b> Replace cast iron main - CPI / prio</p> <p><b>Est. Annual Revenue:</b></p> <p><b>Reimbursement Type:</b> None</p> <p><b>Retirement Type:</b></p> <p><b>Status:</b> completed</p> <p><b>Estimated Completion Date:</b> Nov 16, 2018</p> <p><b>Estimated In-Service Date:</b> Nov 16, 2018</p>
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**Reason for Work (Justification)**

### Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	10/24/2018
Engineering Review-Dist S	Hoeflerlin, Craig	\$0	10/30/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	10/31/2018

\*\*\*\* Unit Estimate \*\*\*\*

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376200-Mains - Cast Iron	\$0.00	\$1,407.79	\$1,407.79	\$0.00	\$0.00
376300-Mains - Plastic	\$17,447.40	\$0.00	\$17,447.40	\$0.00	\$0.00
<b>Total Estimated Costs:</b>	<b>\$17,447.40</b>	<b>\$1,407.79</b>	<b>\$18,855.19</b>	<b>\$0.00</b>	<b>\$0.00</b>



### Work Order Authorization Information

\*\*\*\*\* Unit Estimate \*\*\*\*\*

Asset Location						
Utility Account						
Retirement Unit						
Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0401-043050 JACKSON CTY/KC						
376200-Mains - Cast Iron						
Mains-Cast Iron 4"						
Contract Payroll	\$0.00	\$468.48	0	0	0	0
Department Clearings	\$0.00	\$405.24	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$261.88	0	0	0	0
Overheads Capitalized - General	\$0.00	\$80.98	0	0	0	0
Payroll Taxes	\$0.00	\$71.21	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	164	0	0
Stores	\$0.00	\$120.00	0	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$0.00</b>	<b>\$1,407.79</b>	<b>0.00</b>	<b>164.00</b>	<b>0.00</b>	<b>0.00</b>
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$6,284.28	\$0.00	0	0	0	0
Department Clearings	\$5,435.90	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$3,512.91	\$0.00	0	0	0	0
Overheads Capitalized - General	\$657.76	\$0.00	0	0	0	0
Payroll Taxes	\$955.21	\$0.00	0	0	0	0
Stores	\$601.34	\$0.00	167	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$17,447.40</b>	<b>\$0.00</b>	<b>167.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>SubTotal Location:</b>	<b>\$17,447.40</b>	<b>\$1,407.79</b>	<b>167.00</b>	<b>164.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Unit Estimate:</b>	<b>\$17,447.40</b>	<b>\$1,407.79</b>	<b>167</b>	<b>164</b>	<b>0</b>	<b>0</b>

\*\*\*\*\* Class Codes \*\*\*\*\*

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

### Work Order Authorization Information

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

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Available for Unitization:</b>				
0401-043050 JACKSON CTY/KC				
376200-Mains - Cast Iron				
Retirement				
Contract Payroll	Mains-Cast Iron 4"		\$468.48	0
Department Clearings	Mains-Cast Iron 4"		\$688.67	0
Overheads Capitalized - Benefits	Mains-Cast Iron 4"		\$412.26	0
Overheads Capitalized - General	Mains-Cast Iron 4"		\$43.57	0
Payroll Taxes	Mains-Cast Iron 4"		\$71.21	0
Retirement Value	Mains-Cast Iron 4"		\$560.24	176
<b>Retirement Total:</b>			<b>\$2,244.43</b>	<b>176</b>
376300-Mains - Plastic				
Addition				
Contract Payroll	Mains-Plastic 2"		\$6,512.46	0
Department Clearings	Mains-Plastic 2"		\$9,573.32	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$5,730.96	0
Overheads Capitalized - General	Mains-Plastic 2"		\$946.36	0
Payroll Taxes	Mains-Plastic 2"		\$989.89	0
Stores	Mains-Plastic 2"		\$558.53	157
<b>Addition Total:</b>			<b>\$24,311.52</b>	<b>157</b>
		<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>
<b>Location Total:</b>		\$24,311.52	157	\$2,244.43
		<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>
<b>Available for Unitization:</b>		\$24,311.52	157	\$2,244.43
		<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>
<b>Unit Estimate Total:</b>		\$24,311.52	157	\$2,244.43

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

Business Segment	GL Account			
Asset Location				
Utility Account	Retirement Unit			
Asset Description	Vintage	Activity Code	Retire Qty	Retirement Amount
<b>Posted Retirements:</b>				
Missouri West				
101000::Gas Plant in Service				
0401-043050 JACKSON CTY/KC				
376200-Mains - Cast Iron				
Mains-Cast Iron 4"				
OCR	1955	URET	176	\$560.24
<b>Utility Account Total:</b>			<b>176</b>	<b>\$560.24</b>
<b>Location Total:</b>			<b>176</b>	<b>\$560.24</b>
<b>GL Account Total:</b>			<b>176</b>	<b>\$560.24</b>
<b>Posted Retirements:</b>			<b>176</b>	<b>\$560.24</b>
<b>Work Order Total:</b>			<b>176</b>	<b>\$560.24</b>



## Work Order Authorization Information

**Header Detail**

<p><b>Work Order: 801570</b></p> <p><b>Work Order Title:</b> Repl 5870F 2-4P Forest &amp; Grand</p> <p><b>Wo Type Description:</b> WO-Replacement Mains &amp; Svcs MGE</p> <p><b>Work Order Group:</b></p> <p><b>Current Revision:</b> 1</p> <p><b>Funding Project:</b> F0604</p> <p><b>Funding Project Desc:</b> Main Replacement - ISRS (S)</p> <p><b>Eligible for AFUDC:</b> yes      <b>Eligible for CPI:</b> yes</p> <p><b>Reason Code:</b> Strategic</p> <p><b>WO Description:</b> Install - 4740 Ft of 2 in PL IP Main, and 1130 Ft of 4 in PL IP Main on SE Grand Ave, NE Ash Ct, NE Ash St, NE Short St, NE Florence Ave, NE Forest Ave. NE Arlington Cir, and Howard Ave.</p> <p><b>Major Location:</b> 0901-Lee's Summit</p> <p><b>Asset Location:</b> 0901-043021 JACKSON CTY/LEE'S SUMMIT OFFIC</p> <p><b>Estimated Start Date:</b> May 01, 2018      <b>Estimated Completion Date:</b> Jun 01, 2018      <b>Estimated In-Service Date:</b> Jun 01, 2018</p> <p><b>Notes:</b> Abandon - 419 Ft of 2 in PL MP Main, and 5498 Ft of 2 in ST MP Main at the above locations. Total Service Tie Over = 117; Total Service Abandon = 1. These mains are being replaced due to leaks and is part of FY18 Bare Steel Replacement Program. Forest and Grand - Replace MP to IP.</p>	<p><b>Company:</b> Spire Missouri Inc.</p> <p><b>Business Segment:</b> Missouri West</p> <p><b>Functional Class:</b> Distribution Plant</p> <p><b>Department Code:</b> 20638</p> <p><b>Department Description:</b> Construction &amp; Maintenance - Region 2B - Unio</p> <p><b>Budget Description:</b> Replace bare steel main - safety re</p> <p><b>Est. Annual Revenue:</b></p> <p><b>Reimbursement Type:</b> None</p> <p><b>Retirement Type:</b></p> <p><b>Status:</b> posted to CPR</p>
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**Reason for Work (Justification)**

### Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	4/11/2018
Engineering Review-Dist	Hoeflerlin, Craig	\$0	4/13/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	4/13/2018

\*\*\*\*\* Unit Estimate \*\*\*\*\*

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$6,611.64	\$6,611.64	\$0.00	\$0.00
376300-Mains - Plastic	\$484,453.03	\$1,279.54	\$485,732.57	\$0.00	\$0.00
<b>Total Estimated Costs:</b>	<b>\$484,453.03</b>	<b>\$7,891.18</b>	<b>\$492,344.21</b>	<b>\$0.00</b>	<b>\$0.00</b>

**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	\$1,988.60	\$0.00	0	0	0	0
				Contractor Work	\$252,249.80	\$890.16	0	0	0	0
				Department Clearings	\$1,720.14	\$0.00	0	0	0	0
				Overheads Capitalized - Benefits	\$1,111.63	\$0.00	0	0	0	0
				Overheads Capitalized - General	\$112,773.39	\$381.62	0	0	0	0
				Payroll Taxes	\$302.27	\$0.00	0	0	0	0
				Retirement Value	\$0.00	\$0.00	0	419	0	0
				Stores	\$12,799.89	\$7.76	4740	0	0	0
Mains-Plastic 4"										
				Contract Payroll	\$489.00	\$0.00	0	0	0	0
				Contractor Work	\$65,634.99	\$0.00	0	0	0	0
				Department Clearings	\$422.99	\$0.00	0	0	0	0
				Overheads Capitalized - Benefits	\$273.35	\$0.00	0	0	0	0
				Overheads Capitalized - General	\$29,920.38	\$0.00	0	0	0	0
				Payroll Taxes	\$74.33	\$0.00	0	0	0	0
				Stores	\$4,692.27	\$0.00	1130	0	0	0
				<b>SubTotal Utility Account:</b>	<b>\$484,453.03</b>	<b>\$1,279.54</b>	<b>5,870.00</b>	<b>419.00</b>	<b>0.00</b>	<b>0.00</b>
376100-Mains - Steel										
Mains-Steel 2"										
				Contract Payroll	\$0.00	\$619.40	0	0	0	0
				Contractor Work	\$0.00	\$186.20	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	\$1,523.84	0	0	0	0
				Payroll Taxes	\$0.00	\$94.15	0	0	0	0
				Retirement Value	\$0.00	\$0.00	0	5498	0	0
				Stores	\$0.00	\$3,306.03	0	0	0	0
				<b>SubTotal Utility Account:</b>	<b>\$0.00</b>	<b>\$6,611.64</b>	<b>0.00</b>	<b>5,498.00</b>	<b>0.00</b>	<b>0.00</b>
				<b>SubTotal Location:</b>	<b>\$484,453.03</b>	<b>\$7,891.18</b>	<b>5,870.00</b>	<b>5,917.00</b>	<b>0.00</b>	<b>0.00</b>
				<b>Total Unit Estimate:</b>	<b>\$484,453.03</b>	<b>\$7,891.18</b>	<b>5,870</b>	<b>5,917</b>	<b>0</b>	<b>0</b>

\*\*\*\*\* Class Codes \*\*\*\*\*

Class Code	Value
cap_expense	capital
ISPS Expense	00 - Cost Item or Base Steel Replacement, Loc

**Work Order Authorization Information**

ohbenefits yes  
 ohgen\_supv yes  
 prod\_nonprod prod  
 \*\*\*\*\* Class Codes \*\*\*\*\*  
 Project Classification both  
 Class Code Value  
 \*\*\*\*\* As-Built \*\*\*\*\*

**Asset Location**

**Utility Account**

**Exp Type**

Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Utilization:</b>				
0901-043021 JACKSON CTY/LEE'S SUMMIT OFFIC				
376100-Mains - Steel				
Retirement				
Contract Payroll	Mains-Steel 2"		\$35.77	0
Contractor Work	Mains-Steel 2"		\$4,376.46	0
Department Clearings	Mains-Steel 2"		\$52.58	0
Overheads Capitalized - Benefits	Mains-Steel 2"		\$31.48	0
Overheads Capitalized - General	Mains-Steel 2"		\$2,672.97	0
Payroll Taxes	Mains-Steel 2"		\$5.44	0
Retirement Value	Mains-Steel 2"		\$1,563.99	1,031
Retirement Value	Mains-Steel 2"		\$1,909.75	624
Retirement Value	Mains-Steel 2"		\$265.97	216
Retirement Value	Mains-Steel 2"		\$2,586.36	2,039
Retirement Value	Mains-Steel 2"		\$430.57	534
Retirement Value	Mains-Steel 2"		\$516.76	601

**Retirement Total: \$14,448.10 5,045**

**376300-Mains - Plastic**

**Addition**

Contract Payroll	Mains-Plastic 4"		\$3,934.70	0
Contract Payroll	Mains-Plastic 2"		\$4,578.56	0
Contractor Work	Mains-Plastic 4"		\$81,063.09	0
Contractor Work	Mains-Plastic 2"		\$159,954.85	0
Department Clearings	Mains-Plastic 2"		\$6,730.48	0
Department Clearings	Mains-Plastic 4"		\$5,784.01	0
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$3,462.54	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$4,029.13	0
Overheads Capitalized - General	Mains-Plastic 2"		\$103,991.00	0
Overheads Capitalized - General	Mains-Plastic 4"		\$52,868.75	0
Payroll Taxes	Mains-Plastic 2"		\$695.94	0
Payroll Taxes	Mains-Plastic 4"		\$598.07	0
Stores	Mains-Plastic 4"		\$5,007.11	1,117
Stores	Mains-Plastic 2"		\$9,824.16	4,595

**Addition Total: \$442,522.39 5,712**

**Retirement**

Contract Payroll	Mains-Plastic 4"		\$35.77	0
Contract Payroll	Mains-Plastic 2"		\$35.77	0
Contractor Work	Mains-Plastic 2"		\$5,085.76	0
Contractor Work	Mains-Plastic 4"		\$4,363.92	0
Department Clearings	Mains-Plastic 4"		\$52.58	0
Department Clearings	Mains-Plastic 2"		\$52.58	0
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$31.48	0

**Work Order Authorization Information**

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

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Unitization:</b>				
0901-043021 JACKSON CTY/LEE'S SUMMIT OFFIC				
376300-Mains - Plastic				
Retirement				
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$31.48	0
Overheads Capitalized - General	Mains-Plastic 2"		\$3,109.91	0
Overheads Capitalized - General	Mains-Plastic 4"		\$2,665.32	0
Payroll Taxes	Mains-Plastic 2"		\$5.44	0
Payroll Taxes	Mains-Plastic 4"		\$5.44	0
Retirement Value	Mains-Plastic 2"		\$1,238.84	57
Retirement Value	Mains-Plastic 2"		\$94.39	23
Retirement Value	Mains-Plastic 2"		\$1,333.53	300
Retirement Value	Mains-Plastic 4"		\$72.16	9
Retirement Value	Mains-Plastic 2"		\$36.42	6
Stores	Mains-Plastic 2"		\$7.00	0
		<b>Retirement Total:</b>	<b>\$18,257.79</b>	<b>395</b>
380100-Services - Steel				
Retirement				
Contractor Work	Services-Steel		\$405.35	0
Overheads Capitalized - General	Services-Steel		\$247.26	0
Retirement Value	Services-Steel		\$77.60	30
		<b>Retirement Total:</b>	<b>\$730.21</b>	<b>30</b>
380200-Services - Plastic & Copper				
Addition				
Contract Payroll	Services-Plastic		\$3,577.00	0
Contractor Work	Services-Plastic		\$7,461.30	0
Department Clearings	Services-Plastic		\$5,258.19	0
Overheads Capitalized - Benefits	Services-Plastic		\$3,147.76	0
Overheads Capitalized - General	Services-Plastic		\$5,294.71	0
Payroll Taxes	Services-Plastic		\$543.70	0
Stores	Services-Plastic		\$673.20	793
		<b>Addition Total:</b>	<b>\$25,955.86</b>	<b>793</b>
Retirement				
Contractor Work	Services-Plastic		\$405.35	0
Overheads Capitalized - General	Services-Plastic		\$247.26	0
Retirement Value	Services-Plastic		\$216.51	21
Retirement Value	Services-Plastic		\$30.77	41
Retirement Value	Services-Plastic		\$112.64	13
Retirement Value	Services-Plastic		\$101.37	15
Retirement Value	Services-Plastic		\$124.28	15
Retirement Value	Services-Plastic		\$751.38	24
Retirement Value	Services-Plastic		\$3,395.66	327
Retirement Value	Services-Plastic		\$498.41	56
Retirement Value	Services-Plastic		\$116.48	14
Retirement Value	Services-Plastic		\$5.11	37
Retirement Value	Services-Plastic		\$120.77	23
Retirement Value	Services-Plastic		\$982.31	105
Retirement Value	Services-Plastic		\$564.49	50

**Work Order Authorization Information**

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

Asset Location  
Utility Account  
Exp Type

Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Unitization:</b>				
0901-043021 JACKSON CTY/LEE'S SUMMIT OFFIC				
380200-Services - Plastic & Copper				
Retirement				
Retirement Value	Services-Plastic		\$10.96	4
Retirement Value	Services-Plastic		\$418.81	101
Retirement Value	Services-Plastic		\$28.04	4
Retirement Value	Services-Plastic		\$1,650.09	148
Retirement Value	Services-Plastic		\$21.79	41
Retirement Value	Services-Plastic		\$261.08	42
Retirement Value	Services-Plastic		\$55.67	9
Retirement Value	Services-Plastic		\$69.15	20
Retirement Value	Services-Plastic		\$46.56	6
Retirement Value	Services-Plastic		\$377.63	54
Retirement Value	Services-Plastic		\$813.03	104

**Retirement Total: \$11,425.60 1,274**

	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
<b>Location Total:</b>	\$468,478.25	6,505	\$44,861.70	6,744
<b>Used in Unitization:</b>	\$468,478.25	6,505	\$44,861.70	6,744
<b>Unit Estimate Total:</b>	\$468,478.25	6,505	\$44,861.70	6,744

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

Business Segment  
Asset Location  
Utility Account  
Retirement Unit  
Asset Description

GL Account

Activity  
Code  
Retire Qty Retirement Amount

**Posted Retirements:**

Business Segment	GL Account	Vintage	Activity Code	Retire Qty	Retirement Amount
<b>Missouri West 101000::Gas Plant in Service</b>					
0901-043021 JACKSON CTY/LEE'S SUMMIT OFFIC					
376100-Mains - Steel					
Mains-Steel 2"					
OCR		1952	URET	601	\$516.76
OCR		1953	URET	534	\$430.57
OCR		1960	URET	2,039	\$2,586.36
OCR		1961	URET	1,031	\$1,563.99
OCR		1963	URET	216	\$265.97
OCR		1991	URET	624	\$1,909.75
<b>Utility Account Total:</b>				<b>5,045</b>	<b>\$7,273.40</b>
376300-Mains - Plastic					
Mains-Plastic 2"					
OCR		1986	URET	23	\$94.39



### 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
<b>Posted Retirements:</b>					
<b>Missouri West</b>	<b>101000::Gas Plant in Service</b>				
0901-043021 JACKSON CTY/LEE'S SUMMIT OFFIC					
376300-Mains - Plastic					
	Mains-Plastic 2"				
OCR		1991	URET	300	\$1,333.53
OCR		2004	URET	6	\$36.42
OCR		2015	URET	57	\$1,238.84
	Mains-Plastic 4"				
OCR		2004	URET	9	\$72.16
<b>Utility Account Total:</b>				<b>395</b>	<b>\$2,775.34</b>
380100-Services - Steel					
	Services-Steel				
OCR		1961	URET	30	\$77.60
<b>Utility Account Total:</b>				<b>30</b>	<b>\$77.60</b>
380200-Services - Plastic & Copper					
	Services-Plastic				
OCR		1974	URET	41	\$30.77
OCR		1977	URET	41	\$21.79
OCR		1978	URET	37	\$5.11
OCR		1981	URET	6	\$46.56
OCR		1982	URET	15	\$101.37
OCR		1983	URET	9	\$55.67
OCR		1984	URET	42	\$261.08
OCR		1986	URET	20	\$69.15
OCR		1987	URET	4	\$10.96
OCR		1988	URET	101	\$418.81
OCR		1989	URET	104	\$813.03
OCR		1990	URET	14	\$116.48
OCR		1991	URET	54	\$377.63
OCR		1992	URET	15	\$124.28
OCR		1993	URET	148	\$1,650.09
OCR		1994	URET	4	\$28.04
OCR		1995	URET	23	\$120.77
OCR		1996	URET	13	\$112.64
OCR		1997	URET	105	\$982.31
OCR		1998	URET	327	\$3,395.66
OCR		2000	URET	56	\$498.41
OCR		2002	URET	50	\$564.49
OCR		2005	URET	21	\$216.51
OCR		2014	URET	24	\$751.38
<b>Utility Account Total:</b>				<b>1,274</b>	<b>\$10,772.99</b>
<b>Location Total:</b>				<b>6,744</b>	<b>\$20,899.33</b>
<b>GL Account Total:</b>				<b>6,744</b>	<b>\$20,899.33</b>
<b>Posted Retirements:</b>				<b>6,744</b>	<b>\$20,899.33</b>
<b>Work Order Total:</b>				<b>6,744</b>	<b>\$20,899.33</b>

## Work Order Authorization Information

**Header Detail**

<p><b>Work Order: 802358</b></p> <p><b>Work Order Title:</b> Repl 385F 2P River &amp; Euclid - Leak</p> <p><b>Wo Type Description:</b> WO-Replacement Mains &amp; Svcs MGE</p> <p><b>Work Order Group:</b></p> <p><b>Current Revision:</b> 1</p> <p><b>Funding Project:</b> F0572</p> <p><b>Funding Project Desc:</b> Main Replacement - ISRS (SW)</p> <p><b>Eligible for AFUDC:</b> yes      <b>Eligible for CPI:</b> yes</p> <p><b>Reason Code:</b> Safety</p> <p><b>WO Description:</b> Install ~ 385 Ft of 2 in PL LP Main due to #3 leak due on 3/19/19on Euclid Blvd W River St in Carthage.</p> <p><b>Major Location:</b> 0601-Carthage</p> <p><b>Asset Location:</b> 0601-044025 JASPER CTY/CARTHAGE</p> <p><b>Estimated Start Date:</b> Nov 26, 2018      <b>Estimated Completion Date:</b> Dec 07, 2018      <b>Estimated In-Service Date:</b> Dec 07, 2018</p> <p><b>Notes:</b> Abandon ~ 3 Ft of 2 in PL LP Main and 403 Ft of 2 in ST LP Main at same location in Carthage. Total Service Tie-Overs: 8. ISRS Recoverable due to vintage year of pipe.</p>	<p><b>Company:</b> Spire Missouri Inc.</p> <p><b>Business Segment:</b> Missouri West</p> <p><b>Functional Class:</b> Distribution Plant</p> <p><b>Department Code:</b> 20921</p> <p><b>Department Description:</b> Region 2B - SW Missouri - Distribution - Union</p> <p><b>Budget Description:</b> Replace bare steel main - safety re</p> <p><b>Est. Annual Revenue:</b></p> <p><b>Reimbursement Type:</b> None</p> <p><b>Retirement Type:</b></p> <p style="text-align: right;"><b>Status:</b> completed</p>
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**Reason for Work (Justification)**

### Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	1/21/2019
Engineering Review-Dist	Hoferlin, Craig	\$0	2/7/2019
VP Field Operations-MGE	Goodson, Timothy	\$1,000,000	2/8/2019

\*\*\*\* Unit Estimate \*\*\*\*

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$178.36	\$178.36	\$0.00	\$0.00
376300-Mains - Plastic	\$18,875.10	\$477.55	\$19,352.65	\$0.00	\$0.00
<b>Total Estimated Costs:</b>	<b>\$18,875.10</b>	<b>\$655.91</b>	<b>\$19,531.01</b>	<b>\$0.00</b>	<b>\$0.00</b>

### 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	\$500.78	\$35.77	0	0	0	0
Contractor Work	\$10,093.07	\$214.99	0	0	0	0
Department Clearings	\$736.15	\$52.58	0	0	0	0
Overheads Capitalized - Benefits	\$440.69	\$31.48	0	0	0	0
Overheads Capitalized - General	\$6,515.90	\$135.54	0	0	0	0
Payroll Taxes	\$76.12	\$5.44	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	3	0	0
Stores	\$512.39	\$1.75	385	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$18,875.10</b>	<b>\$477.55</b>	<b>385.00</b>	<b>3.00</b>	<b>0.00</b>	<b>0.00</b>
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$35.77	0	0	0	0
Contractor Work	\$0.00	\$30.91	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	\$22.18	0	0	0	0
Payroll Taxes	\$0.00	\$5.44	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	403	0	0
<b>SubTotal Utility Account:</b>	<b>\$0.00</b>	<b>\$178.36</b>	<b>0.00</b>	<b>403.00</b>	<b>0.00</b>	<b>0.00</b>
<b>SubTotal Location:</b>	<b>\$18,875.10</b>	<b>\$655.91</b>	<b>385.00</b>	<b>406.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Unit Estimate:</b>	<b>\$18,875.10</b>	<b>\$655.91</b>	<b>385</b>	<b>406</b>	<b>0</b>	<b>0</b>

\*\*\*\*\* Class Codes \*\*\*\*\*

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

**Work Order Authorization Information**

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

**Asset Location**

**Utility Account**

**Exp Type**

Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
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**Available for Unitization:**

0601-044025 JASPER CTY/CARTHAGE

376100-Mains - Steel

**Retirement**

Contract Payroll	Mains-Steel 2"		\$393.47	0
Contractor Work	Mains-Steel 2"		\$11.58	0
Department Clearings	Mains-Steel 2"		\$578.40	0
Overheads Capitalized - Benefits	Mains-Steel 2"		\$346.25	0
Overheads Capitalized - General	Mains-Steel 2"		\$43.66	0
Payroll Taxes	Mains-Steel 2"		\$59.81	0
Retirement Value	Mains-Steel 2"		\$476.97	406

<b>Retirement Total:</b>			<b>\$1,910.14</b>	<b>406</b>
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376300-Mains - Plastic

**Addition**

Contract Payroll	Mains-Plastic 2"		\$429.24	0
Contractor Work	Mains-Plastic 2"		\$21,645.72	0
Department Clearings	Mains-Plastic 2"		\$630.98	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$377.73	0
Overheads Capitalized - General	Mains-Plastic 2"		\$13,965.57	0
Payroll Taxes	Mains-Plastic 2"		\$65.24	0
Stores	Mains-Plastic 2"		\$1,183.21	416

<b>Addition Total:</b>			<b>\$38,297.69</b>	<b>416</b>
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**Retirement**

Contract Payroll	Mains-Plastic 2"		\$393.47	0
Contractor Work	Mains-Plastic 2"		\$187.76	0
Department Clearings	Mains-Plastic 2"		\$578.40	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$346.25	0
Overheads Capitalized - General	Mains-Plastic 2"		\$152.18	0
Payroll Taxes	Mains-Plastic 2"		\$59.81	0
Retirement Value	Mains-Plastic 2"		\$4,501.77	7
Stores	Mains-Plastic 2"		\$1.72	0

<b>Retirement Total:</b>			<b>\$6,221.36</b>	<b>7</b>
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<b>Location Total:</b>	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
	\$38,297.69	416	\$8,131.50	413

<b>Available for Unitization:</b>	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
	\$38,297.69	416	\$8,131.50	413

<b>Unit Estimate Total:</b>	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
	\$38,297.69	416	\$8,131.50	413

### Work Order Authorization Information

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

Business Segment	GL Account			Retire Qty	Retirement Amount
Asset Location		Vintage	Activity Code		
Utility Account					
Retirement Unit					
Asset Description					
<b>Posted Retirements:</b>					
<b>Missouri West</b>	<b>101000::Gas Plant in Service</b>				
0601-044025 JASPER CTY/CARTHAGE					
376100-Mains - Steel					
Mains-Steel 2"					
OCR		1957	URET	406	\$476.97
				<b>Utility Account Total:</b>	<b>406</b>
					<b>\$476.97</b>
376300-Mains - Plastic					
Mains-Plastic 2"					
OCR		1993	URET	7	\$4,501.77
				<b>Utility Account Total:</b>	<b>7</b>
					<b>\$4,501.77</b>
				<b>Location Total:</b>	<b>413</b>
					<b>\$4,978.74</b>
				<b>GL Account Total:</b>	<b>413</b>
					<b>\$4,978.74</b>
				<b>Posted Retirements:</b>	<b>413</b>
					<b>\$4,978.74</b>
				<b>Work Order Total:</b>	<b>413</b>
					<b>\$4,978.74</b>

## Work Order Authorization Information

**Header Detail**

<p><b>Work Order: 801708</b></p> <p><b>Work Order Title:</b> Repl 3920F 2P 84th Belleview/Summit</p> <p><b>Wo Type Description:</b> WO-Replacement Mains &amp; Svcs MGE</p> <p><b>Work Order Group:</b></p> <p><b>Current Revision:</b> 1</p> <p><b>Funding Project:</b> F0599</p> <p><b>Funding Project Desc:</b> Main Replacement - ISRS (N)</p> <p><b>Eligible for AFUDC:</b> yes      <b>Eligible for CPI:</b> yes</p> <p><b>Reason Code:</b> Safety</p> <p><b>WO Description:</b> Install ~3920 Ft of 2 in PL MP Main on Madison Ave, Summit St, W 84th St, and W 84th Ter.</p> <p><b>Major Location:</b> 0401-KC/MO - Central</p> <p><b>Asset Location:</b> 0401-043050 JACKSON CTY/KC</p> <p><b>Estimated Start Date:</b> May 01, 2018      <b>Estimated Completion Date:</b> Sep 30, 2018      <b>Estimated In-Service Date:</b> Sep 30, 2018</p> <p><b>Notes:</b> 84th St - Belleview Ave to Summit St - BS Mandated Sec 5. Abandon 3613 Ft of 2 in ST MP Main, 273 Ft of 3 in ST MP Main on the above mentioned streets. Total Service Tie-over = 71; Total Service Replacement = 14. This main is being replaced due to a leak and CP deficiencies and as part of FY18 Bare Steel Replacement Program. Note: 39 feet of Services - Copper was deleted from the Estimate As-Built since there was nothing PowerPlan could match for retirement. - Mike Griewing</p>	<p><b>Company:</b> Spire Missouri Inc.</p> <p><b>Business Segment:</b> Missouri West</p> <p><b>Functional Class:</b> Distribution Plant</p> <p><b>Department Code:</b> 20648</p> <p><b>Department Description:</b> Construction &amp; Maintenance - Region 2A - Unio</p> <p><b>Budget Description:</b> Replace cast iron main - CPI / prio</p> <p><b>Est. Annual Revenue:</b></p> <p><b>Reimbursement Type:</b> None</p> <p><b>Retirement Type:</b></p> <p><b>Status:</b> posted to CPR</p>
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**Reason for Work (Justification)**

### Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	4/17/2018
Engineering Review-Dist	Hoeflerlin, Craig	\$0	4/23/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	4/24/2018

\*\*\*\*\* Unit Estimate \*\*\*\*\*

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$12,521.57	\$12,521.57	\$0.00	\$0.00
376300-Mains - Plastic	\$385,360.92	\$0.00	\$385,360.92	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$15,044.69	\$1,617.35	\$16,662.04	\$0.00	\$0.00
<b>Total Estimated Costs:</b>	<b>\$400,405.61</b>	<b>\$14,138.92</b>	<b>\$414,544.53</b>	<b>\$0.00</b>	<b>\$0.00</b>

### 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	\$1,662.60	\$0.00	0	0	0	0
Contractor Work	\$254,813.31	\$0.00	0	0	0	0
Department Clearings	\$1,438.15	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$929.39	\$0.00	0	0	0	0
Overheads Capitalized - General	\$113,729.53	\$0.00	0	0	0	0
Payroll Taxes	\$252.72	\$0.00	0	0	0	0
Stores	\$12,535.22	\$0.00	3920	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$385,360.92</b>	<b>\$0.00</b>	<b>3,920.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$391.20	0	0	0	0
Contractor Work	\$0.00	\$5,254.22	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	\$3,416.73	0	0	0	0
Payroll Taxes	\$0.00	\$59.46	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	3613	0	0
Stores	\$0.00	\$2,726.24	0	0	0	0
Mains-Steel 3"						
Contract Payroll	\$0.00	\$32.60	0	0	0	0
Contractor Work	\$0.00	\$21.46	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	\$11.21	0	0	0	0
Payroll Taxes	\$0.00	\$4.96	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	273	0	0
<b>SubTotal Utility Account:</b>	<b>\$0.00</b>	<b>\$12,521.57</b>	<b>0.00</b>	<b>3,886.00</b>	<b>0.00</b>	<b>0.00</b>
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$9,655.80	\$1,134.98	0	0	0	0
Overheads Capitalized - General	\$4,487.01	\$482.37	0	0	0	0
Stores	\$901.88	\$0.00	0	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$15,044.69</b>	<b>\$1,617.35</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>SubTotal Location:</b>	<b>\$400,405.61</b>	<b>\$14,138.92</b>	<b>3,920.00</b>	<b>3,886.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Unit Estimate:</b>	<b>\$400,405.61</b>	<b>\$14,138.92</b>	<b>3,920</b>	<b>3,886</b>	<b>0</b>	<b>0</b>

\*\*\*\* Class Codes \*\*\*\*  
**Work Order Authorization Information**

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

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

Asset Location

Utility Account

Exp Type

Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Unitization:</b>				
0401-043050 JACKSON CTY/KC				
376100-Mains - Steel				
Retirement				
Contract Payroll	Mains-Steel 3"		\$35.77	0
Contract Payroll	Mains-Steel 2"		\$71.54	0
Contractor Work	Mains-Steel 2"		\$8,302.58	0
Contractor Work	Mains-Steel 3"		\$2,497.68	0
Department Clearings	Mains-Steel 2"		\$105.16	0
Department Clearings	Mains-Steel 3"		\$52.58	0
Overheads Capitalized - Benefits	Mains-Steel 2"		\$62.96	0
Overheads Capitalized - Benefits	Mains-Steel 3"		\$31.48	0
Overheads Capitalized - General	Mains-Steel 3"		\$1,526.91	0
Overheads Capitalized - General	Mains-Steel 2"		\$5,474.17	0
Payroll Taxes	Mains-Steel 2"		\$10.87	0
Payroll Taxes	Mains-Steel 3"		\$5.44	0
Retirement Value	Mains-Steel 2"		\$1,556.46	1,443
Retirement Value	Mains-Steel 3"		\$152.66	124
Retirement Value	Mains-Steel 2"		\$396.01	379
Retirement Value	Mains-Steel 2"		\$109.57	104
Retirement Value	Mains-Steel 2"		\$64.09	54
Retirement Value	Mains-Steel 2"		\$112.72	86
Retirement Value	Mains-Steel 2"		\$395.34	132
Retirement Value	Mains-Steel 2"		\$823.79	1,020
Retirement Value	Mains-Steel 2"		\$334.82	445
Retirement Value	Mains-Steel 3"		\$172.56	139
Stores	Mains-Steel 2"		\$660.56	0
<b>Retirement Total:</b>			<b>\$22,955.72</b>	<b>3,926</b>

376300-Mains - Plastic

Addition

Contract Payroll	Mains-Plastic 2"		\$143.08	0
Contractor Work	Mains-Plastic 2"		\$148,859.91	0
Department Clearings	Mains-Plastic 2"		\$210.33	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$125.91	0
Overheads Capitalized - General	Mains-Plastic 2"		\$99,474.43	0
Payroll Taxes	Mains-Plastic 2"		\$21.75	0



### Work Order Authorization Information

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

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Unitization:</b>				
0401-043050 JACKSON CTY/KC				
376300-Mains - Plastic				
Addition				
Stores	Mains-Plastic 2"		\$14,191.11	3,890
			<b>Addition Total:</b>	<b>3,890</b>
<b>380100-Services - Steel</b>				
Retirement				
Contractor Work	Services-Steel		\$81.07	0
Overheads Capitalized - General	Services-Steel		\$49.45	0
Retirement Value	Services-Steel		\$3.06	7
Retirement Value	Services-Steel		\$7.29	10
Retirement Value	Services-Steel		\$3.03	6
Retirement Value	Services-Steel		\$50.94	37
Retirement Value	Services-Steel		\$413.67	275
Retirement Value	Services-Steel		\$29.17	34
			<b>Retirement Total:</b>	<b>369</b>
<b>380200-Services - Plastic &amp; Copper</b>				
Addition				
Contract Payroll	Services-Plastic		\$35.77	0
Contractor Work	Services-Plastic		\$2,836.15	0
Department Clearings	Services-Plastic		\$52.58	0
Overheads Capitalized - Benefits	Services-Plastic		\$31.48	0
Overheads Capitalized - General	Services-Plastic		\$1,856.57	0
Payroll Taxes	Services-Plastic		\$5.44	0
Stores	Services-Plastic		\$201.96	718
			<b>Addition Total:</b>	<b>718</b>
Retirement				
Contractor Work	Services-Plastic		\$162.14	0
Overheads Capitalized - General	Services-Plastic		\$98.91	0
Retirement Value	Services-Plastic		\$317.45	46
Retirement Value	Services-Plastic		\$237.64	30
Retirement Value	Services-Plastic		\$70.36	16
Retirement Value	Services-Plastic		\$372.23	31
Retirement Value	Services-Plastic		\$1,030.43	106
Retirement Value	Services-Plastic		\$2,398.73	273
Retirement Value	Services-Plastic		\$162.02	22
Retirement Value	Services-Plastic		\$67.49	7
Retirement Value	Services-Plastic		\$391.65	41
Retirement Value	Services-Plastic		\$286.73	16
Retirement Value	Services-Plastic		\$89.02	20
Retirement Value	Services-Plastic		\$111.89	11
Retirement Value	Services-Plastic		\$268.95	11
Retirement Value	Services-Plastic		\$97.61	9
Retirement Value	Services-Plastic		\$306.20	28
Retirement Value	Services-Plastic		\$78.85	19
Retirement Value	Services-Plastic		\$2,383.00	184
Retirement Value	Services-Plastic		\$35.69	4

**Work Order Authorization Information**

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

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

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

**Retirement**

Retirement Value	Services-Plastic					\$156.82	14
Retirement Value	Services-Plastic					\$389.48	30
Retirement Value	Services-Plastic					\$89.95	7

**Retirement Total: \$9,603.24 925**

	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
<b>Location Total:</b>	\$268,046.47	4,608	\$33,196.64	5,220

	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
<b>Used in Unitization:</b>	\$268,046.47	4,608	\$33,196.64	5,220

	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
<b>Unit Estimate Total:</b>	\$268,046.47	4,608	\$33,196.64	5,220

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

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

Missouri West 101000::Gas Plant in Service

0401-043050 JACKSON CTY/KC

376100-Mains - Steel

Mains-Steel 2"

OCR		1946	URET	1,020	\$823.79
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OCR		1947	URET	445	\$334.82
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OCR		1948	URET	379	\$396.01
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OCR		1949	URET	132	\$395.34
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OCR		1950	URET	1,443	\$1,556.46
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OCR		1952	URET	54	\$64.09
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OCR		1954	URET	104	\$109.57
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OCR		1955	URET	86	\$112.72
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Mains-Steel 3"

OCR		1931	URET	139	\$172.56
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OCR		1948	URET	124	\$152.66
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**Utility Account Total: 3,926 \$4,118.02**

380100-Services - Steel

Services-Steel

OCR		1946	URET	10	\$7.29
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OCR		1947	URET	7	\$3.06
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OCR		1948	URET	6	\$3.03
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OCR		1950	URET	275	\$413.67
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**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
<b>Posted Retirements:</b>				
<b>Missouri West</b>	<b>101000::Gas Plant in Service</b>			
0401-043050 JACKSON CTY/KC				
380100-Services - Steel				
Services-Steel				
OCR		1965 URET	37	\$50.94
OCR		1968 URET	34	\$29.17
		<b>Utility Account Total:</b>	<b>369</b>	<b>\$507.16</b>
380200-Services - Plastic & Copper				
Services-Plastic				
OCR		1971 URET	16	\$70.36
OCR		1972 URET	20	\$89.02
OCR		1973 URET	19	\$78.85
OCR		1976 URET	46	\$317.45
OCR		1977 URET	22	\$162.02
OCR		1978 URET	30	\$237.64
OCR		1979 URET	7	\$67.49
OCR		1980 URET	9	\$97.61
OCR		1981 URET	28	\$306.20
OCR		1982 URET	7	\$89.95
OCR		1983 URET	31	\$372.23
OCR		1984 URET	41	\$391.65
OCR		1985 URET	4	\$35.69
OCR		1986 URET	30	\$389.48
OCR		1988 URET	11	\$111.89
OCR		1989 URET	106	\$1,030.43
OCR		1990 URET	184	\$2,383.00
OCR		1992 URET	273	\$2,398.73
OCR		1993 URET	14	\$156.82
OCR		2013 URET	16	\$286.73
OCR		2015 URET	11	\$268.95
		<b>Utility Account Total:</b>	<b>925</b>	<b>\$9,342.19</b>
		<b>Location Total:</b>	<b>5,220</b>	<b>\$13,967.37</b>
		<b>GL Account Total:</b>	<b>5,220</b>	<b>\$13,967.37</b>
		<b>Posted Retirements:</b>	<b>5,220</b>	<b>\$13,967.37</b>
		<b>Work Order Total:</b>	<b>5,220</b>	<b>\$13,967.37</b>

## Work Order Authorization Information

**Header Detail**

<b>Work Order: 801909</b>		<b>Company: Spire Missouri Inc.</b>	
<b>Work Order Title:</b> Repl 4180F 2-4P Pittman and 38th St		<b>Business Segment:</b> Missouri West	
<b>Wo Type Description:</b> WO-Replacement Mains & Svcs MGE		<b>Functional Class:</b> Distribution Plant	
<b>Work Order Group:</b>		<b>Department Code:</b> 20648	
<b>Current Revision:</b> 1		<b>Department Description:</b> Construction & Maintenance - Region 2A - Unio	
<b>Funding Project:</b> F0599		<b>Budget Description:</b> Replace cast iron main - CPI / prio	
<b>Funding Project Desc:</b> Main Replacement - ISRS (N)		<b>Est. Annual Revenue:</b>	
<b>Eligible for AFUDC:</b> yes		<b>Reimbursement Type:</b> None	
<b>Eligible for CPI:</b> yes		<b>Retirement Type:</b>	
<b>Reason Code:</b> Safety			
<b>WO Description:</b> Install 2720 Ft. of 2 inch PL IP Main and 1460 Ft. of 4 inch PL IP on Pittman Rd., E 41st St., E 38th Ter., and E 38th St.			
<b>Major Location:</b> 0401-KC/MO - Central		<b>Status:</b> posted to CPR	
<b>Asset Location:</b> 0401-043050 JACKSON CTY/KC			
<b>Estimated Start Date:</b> Jun 05, 2018		<b>Estimated Completion Date:</b> Sep 28, 2018	
		<b>Estimated In-Service Date:</b> Sep 28, 2018	
<b>Notes:</b> Abandon 21 Ft of 2 in ST IP Main, 724 Ft of 2 in ST LP Main, 83 Ft of 4 in ST IP Main, and 2970 Ft of 4 in ST LP Main on the above mentioned streets. Total Service Tie-over =26; Total Service Abandoned = 4; Total Service Replace = 18. This main is being replaced due to leaks and is part of FY18 Bare Steel Replacement Program.			

**Reason for Work (Justification)**

### Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	4/17/2018
Engineering Review-Dist	Hoferlin, Craig	\$0	4/23/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	4/24/2018

**** Unit Estimate ****					
Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$5,255.39	\$5,255.39	\$0.00	\$0.00
376300-Mains - Plastic	\$294,684.42	\$0.00	\$294,684.42	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$19,343.18	\$2,079.45	\$21,422.63	\$0.00	\$0.00
<b>Total Estimated Costs:</b>	<b>\$314,027.60</b>	<b>\$7,334.84</b>	<b>\$321,362.44</b>	<b>\$0.00</b>	<b>\$0.00</b>

### 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	\$119,039.09	\$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	\$53,107.63	\$0.00	0	0	0	0
Payroll Taxes	\$173.43	\$0.00	0	0	0	0
Stores	\$5,748.22	\$0.00	2720	0	0	0
Mains-Plastic 3"						
Overheads Capitalized - General	\$5.63	\$0.00	0	0	0	0
Stores	\$13.24	\$0.00	0	0	0	0
Mains-Plastic 4"						
Contract Payroll	\$619.40	\$0.00	0	0	0	0
Contractor Work	\$70,946.01	\$0.00	0	0	0	0
Department Clearings	\$535.78	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$346.24	\$0.00	0	0	0	0
Overheads Capitalized - General	\$33,501.66	\$0.00	0	0	0	0
Payroll Taxes	\$94.15	\$0.00	0	0	0	0
Stores	\$7,788.15	\$0.00	1460	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$294,684.42</b>	<b>\$0.00</b>	<b>4,180.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$97.80	0	0	0	0
Contractor Work	\$0.00	\$39.70	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	\$1,018.06	0	0	0	0
Payroll Taxes	\$0.00	\$14.87	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	745	0	0
Stores	\$0.00	\$2,341.00	0	0	0	0
Mains-Steel 4"						
Contract Payroll	\$0.00	\$358.60	0	0	0	0
Contractor Work	\$0.00	\$454.00	0	0	0	0
Department Clearings	\$0.00	\$310.19	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$200.46	0	0	0	0
Overheads Capitalized - General	\$0.00	\$219.19	0	0	0	0
Payroll Taxes	\$0.00	\$54.51	0	0	0	0

**Work Order Authorization Information**

\*\*\*\*\* Unit Estimate \*\*\*\*\*

Asset Location	Utility Account	Retirement Unit	Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0401-043050 JACKSON CTY/KC									
376100-Mains - Steel									
Mains-Steel 4"									
			Retirement Value	\$0.00	\$0.00	0	3053	0	0
			Stores	\$0.00	\$7.74	0	0	0	0
			<b>SubTotal Utility Account:</b>	<b>\$0.00</b>	<b>\$5,255.39</b>	<b>0.00</b>	<b>3,798.00</b>	<b>0.00</b>	<b>0.00</b>
380200-Services - Plastic & Copper									
Services-Plastic									
			Contractor Work	\$12,414.60	\$1,459.26	0	0	0	0
			Overheads Capitalized - General	\$5,769.02	\$620.19	0	0	0	0
			Stores	\$1,159.56	\$0.00	0	0	0	0
			<b>SubTotal Utility Account:</b>	<b>\$19,343.18</b>	<b>\$2,079.45</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
			<b>SubTotal Location:</b>	<b>\$314,027.60</b>	<b>\$7,334.84</b>	<b>4,180.00</b>	<b>3,798.00</b>	<b>0.00</b>	<b>0.00</b>
			<b>Total Unit Estimate:</b>	<b>\$314,027.60</b>	<b>\$7,334.84</b>	<b>4,180</b>	<b>3,798</b>	<b>0</b>	<b>0</b>

\*\*\*\*\* Class Codes \*\*\*\*\*

Class Code	Value
cap_expense	capital
CWIP Property Tax Type	MO-CWIP-Distribution Real
ISRS Reason	08 - Cast Iron or Bare Steel Replacement - Lea
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

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

Asset Location	Utility Account	Exp Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Unitization:</b>						
0401-043050 JACKSON CTY/KC						
376100-Mains - Steel						
		Retirement				
		Contractor Work	Mains-Steel 2"		\$5,568.00	0
		Contractor Work	Mains-Steel 4"		\$6,500.64	0
		Overheads Capitalized - General	Mains-Steel 4"		\$2,762.77	0

**Work Order Authorization Information**

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

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Unitization:</b>				
0401-043050 JACKSON CTY/KC				
376100-Mains - Steel				
Retirement				
Overheads Capitalized - General	Mains-Steel 2"		\$2,366.40	0
Retirement Value	Mains-Steel 2"		\$600.48	496
Retirement Value	Mains-Steel 4"		\$1.86	4
Retirement Value	Mains-Steel 2"		\$369.20	229
Retirement Value	Mains-Steel 4"		\$470.65	163
Retirement Value	Mains-Steel 2"		\$143.79	83
Retirement Value	Mains-Steel 4"		\$350.89	160
Retirement Value	Mains-Steel 4"		\$1,447.44	469
Retirement Value	Mains-Steel 4"		\$1,058.27	345
Retirement Value	Mains-Steel 4"		\$881.17	361
Retirement Value	Mains-Steel 2"		\$59.53	7
Retirement Value	Mains-Steel 4"		\$2,584.08	1,208
Retirement Value	Mains-Steel 4"		\$662.33	358
<b>Retirement Total:</b>			<b>\$25,827.50</b>	<b>3,883</b>
376300-Mains - Plastic				
Addition				
Contract Payroll	Mains-Plastic 3"		\$74.76	0
Contract Payroll	Mains-Plastic 4"		\$32,436.28	0
Contract Payroll	Mains-Plastic 2"		\$44,769.54	0
Contractor Work	Mains-Plastic 4"		\$5,888.54	0
Contractor Work	Mains-Plastic 3"		\$5,568.00	0
Contractor Work	Mains-Plastic 2"		\$45,795.10	0
Department Clearings	Mains-Plastic 4"		\$28,057.38	0
Department Clearings	Mains-Plastic 2"		\$38,725.65	0
Department Clearings	Mains-Plastic 3"		\$64.67	0
Overheads Capitalized - Benefits	Mains-Plastic 3"		\$41.79	0
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$18,131.88	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$25,026.17	0
Overheads Capitalized - General	Mains-Plastic 4"		\$6,545.72	0
Overheads Capitalized - General	Mains-Plastic 3"		\$2,379.42	0
Overheads Capitalized - General	Mains-Plastic 2"		\$25,264.54	0
Payroll Taxes	Mains-Plastic 2"		\$6,804.97	0
Payroll Taxes	Mains-Plastic 4"		\$4,930.31	0
Payroll Taxes	Mains-Plastic 3"		\$11.36	0
Stores	Mains-Plastic 2"		\$6,909.10	2,899
Stores	Mains-Plastic 4"		\$4,628.63	1,328
Stores	Mains-Plastic 3"		\$19.38	4
<b>Addition Total:</b>			<b>\$302,073.19</b>	<b>4,231</b>
Retirement				
Contract Payroll	Mains-Plastic 4"		\$294.72	0
Contractor Work	Mains-Plastic 4"		\$5,568.00	0
Department Clearings	Mains-Plastic 4"		\$254.93	0
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$164.75	0
Overheads Capitalized - General	Mains-Plastic 4"		\$2,385.26	0

**Work Order Authorization Information**

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

Asset Location

Utility Account

Exp Type

Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Unitization:</b>				
0401-043050 JACKSON CTY/KC				
376300-Mains - Plastic				
Retirement				
Payroll Taxes	Mains-Plastic 4"		\$44.80	0
Retirement Value	Mains-Plastic 4"		\$886.02	18
<b>Retirement Total:</b>			<b>\$9,598.48</b>	<b>18</b>
380100-Services - Steel				
Retirement				
Contract Payroll	Services-Steel		\$279.79	0
Department Clearings	Services-Steel		\$242.02	0
Overheads Capitalized - Benefits	Services-Steel		\$156.40	0
Overheads Capitalized - General	Services-Steel		\$17.91	0
Payroll Taxes	Services-Steel		\$42.53	0
Retirement Value	Services-Steel		\$36.69	48
Retirement Value	Services-Steel		\$123.35	82
Retirement Value	Services-Steel		\$42.40	42
Retirement Value	Services-Steel		\$84.35	64
Retirement Value	Services-Steel		\$165.91	184
Retirement Value	Services-Steel		\$73.92	63
<b>Retirement Total:</b>			<b>\$1,265.27</b>	<b>483</b>
380200-Services - Plastic & Copper				
Addition				
Contract Payroll	Services-Plastic		\$5,025.12	0
Contractor Work	Services-Plastic		\$2,324.64	0
Department Clearings	Services-Plastic		\$4,346.73	0
Overheads Capitalized - Benefits	Services-Plastic		\$2,809.04	0
Overheads Capitalized - General	Services-Plastic		\$1,422.47	0
Payroll Taxes	Services-Plastic		\$763.82	0
Stores	Services-Plastic		\$265.62	682
<b>Addition Total:</b>			<b>\$16,957.44</b>	<b>682</b>
Retirement				
Contractor Work	Services-Plastic		\$810.70	0
Overheads Capitalized - General	Services-Plastic		\$344.55	0
Retirement Value	Services-Plastic		\$146.83	14
Retirement Value	Services-Plastic		\$10.85	1
Retirement Value	Services-Plastic		\$33.67	3
Retirement Value	Services-Plastic		\$116.84	9
Retirement Value	Services-Plastic		\$273.92	66
Retirement Value	Services-Plastic		\$53.76	3
Retirement Value	Services-Plastic		\$131.32	15
Retirement Value	Services-Plastic		\$1,650.69	39
Retirement Value	Services-Plastic		\$208.77	11
Retirement Value	Services-Plastic		\$103.61	8



**Work Order Authorization Information**

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

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Unitization:</b>							
0401-043050 JACKSON CTY/KC							
380200-Services - Plastic & Copper							
Retirement							
Retirement Value				Services-Plastic		\$246.99	19
<b>Retirement Total:</b>						<b>\$4,132.50</b>	<b>188</b>
<b>Location Total:</b>						<b>\$319,030.63</b>	<b>4,913</b>
<b>Used in Unitization:</b>						<b>\$319,030.63</b>	<b>4,913</b>
<b>Unit Estimate Total:</b>						<b>\$319,030.63</b>	<b>4,913</b>

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

Business Segment	GL Account	Asset Location	Utility Account	Retirement Unit	Asset Description	Vintage	Activity Code	Retire Qty	Retirement Amount
<b>Posted Retirements:</b>									
Missouri West	101000::Gas Plant in Service								
0401-043050 JACKSON CTY/KC									
376100-Mains - Steel									
Mains-Steel 2"									
OCR						1951	URET	496	\$600.48
OCR						1961	URET	229	\$369.20
OCR						1968	URET	83	\$143.79
OCR						1990	URET	7	\$59.53
Mains-Steel 4"									
OCR						1942	URET	4	\$1.86
OCR						1949	URET	160	\$350.89
OCR						1950	URET	1,208	\$2,584.08
OCR						1952	URET	163	\$470.65
OCR						1953	URET	345	\$1,058.27
OCR						1954	URET	361	\$881.17
OCR						1955	URET	358	\$662.33
OCR						1961	URET	469	\$1,447.44
<b>Utility Account Total:</b>								<b>3,883</b>	<b>\$8,629.69</b>
376300-Mains - Plastic									
Mains-Plastic 4"									
OCR						2009	URET	18	\$886.02
<b>Utility Account Total:</b>								<b>18</b>	<b>\$886.02</b>

**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
<b>Posted Retirements:</b>				
<b>Missouri West</b>	<b>101000::Gas Plant in Service</b>			
0401-043050 JACKSON CTY/KC				
380100-Services - Steel				
Services-Steel				
OCR		1950	URET	82 \$123.35
OCR		1954	URET	48 \$36.69
OCR		1955	URET	42 \$42.40
OCR		1958	URET	184 \$165.91
OCR		1962	URET	64 \$84.35
OCR		1963	URET	63 \$73.92
		<b>Utility Account Total:</b>		<b>483 \$526.62</b>
380200-Services - Plastic & Copper				
Services-Plastic				
OCR		1973	URET	66 \$273.92
OCR		1980	URET	1 \$10.85
OCR		1986	URET	9 \$116.84
OCR		1990	URET	8 \$103.61
OCR		1995	URET	15 \$131.32
OCR		1997	URET	14 \$146.83
OCR		1999	URET	3 \$33.67
OCR		2000	URET	19 \$246.99
OCR		2006	URET	11 \$208.77
OCR		2013	URET	3 \$53.76
OCR		2017	URET	39 \$1,650.69
		<b>Utility Account Total:</b>		<b>188 \$2,977.25</b>
		<b>Location Total:</b>		<b>4,572 \$13,019.58</b>
		<b>GL Account Total:</b>		<b>4,572 \$13,019.58</b>
		<b>Posted Retirements:</b>		<b>4,572 \$13,019.58</b>
		<b>Work Order Total:</b>		<b>4,572 \$13,019.58</b>



### Work Order Authorization Information

**Header Detail**

<p><b>Work Order: 801828</b></p> <p><b>Work Order Title:</b> Repl 2524F 2-4P 23rd &amp; Topping</p> <p><b>Wo Type Description:</b> WO-Replacement Mains &amp; Svcs MGE</p> <p><b>Work Order Group:</b></p> <p><b>Current Revision:</b> 1</p> <p><b>Funding Project:</b> F0599</p> <p><b>Funding Project Desc:</b> Main Replacement - ISRS (N)</p> <p><b>Eligible for AFUDC:</b> yes      <b>Eligible for CPI:</b> yes</p> <p><b>Reason Code:</b> Safety</p> <p><b>WO Description:</b> Install ~ 678 ft of 2 in PL IP main and ~ 1846 ft of 4 in PL IP main along 23rd Street and Lawndale Ave.</p> <p><b>Major Location:</b> 0401-KC/MO - Central</p> <p><b>Asset Location:</b> 0401-043050 JACKSON CTY/KC</p> <p><b>Estimated Start Date:</b> Feb 05, 2018      <b>Estimated Completion Date:</b> Feb 23, 2018      <b>Estimated In-Service Date:</b> Feb 23, 2018</p> <p><b>Notes:</b> . Abandon ~ 922 ft of 2 in ST IP main, ~ 1577 ft of 3 in ST IP main, and ~ 7 ft of 4 in PL IP main at same location. Total Service Tie-over = 17; Total Service Replace = 5; Total Service Abandon = 3. This main is being replaced due to leaks on 3 in bare steel main.</p>	<p><b>Company:</b> Spire Missouri Inc.</p> <p><b>Business Segment:</b> Missouri West</p> <p><b>Functional Class:</b> Distribution Plant</p> <p><b>Department Code:</b> 20648</p> <p><b>Department Description:</b> Construction &amp; Maintenance - Region 2A - Unio</p> <p><b>Budget Description:</b> Replace cast iron main - CPI / prio</p> <p><b>Est. Annual Revenue:</b></p> <p><b>Reimbursement Type:</b> None</p> <p><b>Retirement Type:</b></p> <p><b>Status:</b> posted to CPR</p>
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**Reason for Work (Justification)**

### Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	3/13/2018
Engineering Review-Dist	Hoeflerlin, Craig	\$0	3/13/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	3/14/2018

\*\*\*\*\* Unit Estimate \*\*\*\*\*

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$6,837.48	\$6,837.48	\$0.00	\$0.00
376300-Mains - Plastic	\$145,770.43	\$899.05	\$146,669.48	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$13,766.33	\$0.00	\$13,766.33	\$0.00	\$0.00
<b>Total Estimated Costs:</b>	<b>\$159,536.76</b>	<b>\$7,736.53</b>	<b>\$167,273.29</b>	<b>\$0.00</b>	<b>\$0.00</b>

**Work Order Authorization Information**

\*\*\*\*\* Unit Estimate \*\*\*\*\*

<b>Asset Location</b>							
<b>Utility Account</b>							
<b>Retirement Unit</b>							
<b>Est. Chg Type</b>	<b>Addition Dollars</b>	<b>Retirement Dollars</b>	<b>Add Qty</b>	<b>Retire Qty</b>	<b>Add Hrs</b>	<b>Retire Hrs</b>	
0401-043050 JACKSON CTY/KC							
376300-Mains - Plastic							
Mains-Plastic 2"							
Contractor Work	\$11,941.30	\$0.00	0	0	0	0	
Overheads Capitalized - General	\$5,299.81	\$1.52	0	0	0	0	
Stores	\$528.84	\$3.58	678	0	0	0	
Mains-Plastic 4"							
Contract Payroll	\$1,304.00	\$65.20	0	0	0	0	
Contractor Work	\$79,615.98	\$360.92	0	0	0	0	
Department Clearings	\$1,127.96	\$56.40	0	0	0	0	
Overheads Capitalized - Benefits	\$728.94	\$36.45	0	0	0	0	
Overheads Capitalized - General	\$37,232.31	\$219.45	0	0	0	0	
Payroll Taxes	\$198.21	\$9.91	0	0	0	0	
Retirement Value	\$0.00	\$0.00	0	7	0	0	
Stores	\$7,793.08	\$145.62	1846	0	0	0	
<b>SubTotal Utility Account:</b>	<b>\$145,770.43</b>	<b>\$899.05</b>	<b>2,524.00</b>	<b>7.00</b>	<b>0.00</b>	<b>0.00</b>	
376100-Mains - Steel							
Mains-Steel 2"							
Contract Payroll	\$0.00	\$130.40	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	\$8.35	0	0	0	0	
Payroll Taxes	\$0.00	\$19.82	0	0	0	0	
Retirement Value	\$0.00	\$0.00	0	924	0	0	
Mains-Steel 3"							
Contract Payroll	\$0.00	\$130.40	0	0	0	0	
Contractor Work	\$0.00	\$2,748.10	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	\$1,842.25	0	0	0	0	
Payroll Taxes	\$0.00	\$19.82	0	0	0	0	
Retirement Value	\$0.00	\$0.00	0	1577	0	0	
Stores	\$0.00	\$1,566.96	0	0	0	0	
<b>SubTotal Utility Account:</b>	<b>\$0.00</b>	<b>\$6,837.48</b>	<b>0.00</b>	<b>2,501.00</b>	<b>0.00</b>	<b>0.00</b>	
380200-Services - Plastic & Copper							
Services-Plastic							
Contractor Work	\$9,660.58	\$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

0401-043050 JACKSON CTY/KC

380200-Services - Plastic & Copper

Services-Plastic

Overheads Capitalized - General

\$4,105.75                      \$0.00                      0                      0                      0                      0

**SubTotal Utility Account:**                      **\$13,766.33                      \$0.00                      0.00                      0.00                      0.00                      0.00**

**SubTotal Location:**                      **\$159,536.76                      \$7,736.53                      2,524.00                      2,508.00                      0.00                      0.00**

**Total Unit Estimate:**                      **\$159,536.76                      \$7,736.53                      2,524                      2,508                      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

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

Asset Location

Utility Account

Exp Type

Est Charge Type

Retirement Unit

Job task

Dollars

Quantity

Used in Unitization:

0401-043050 JACKSON CTY/KC

376100-Mains - Steel

Retirement

Contract Payroll

Mains-Steel 3"

\$536.55

0

Contract Payroll

Mains-Steel 2"

\$536.55

0

Contractor Work

Mains-Steel 2"

\$3,347.05

0

Contractor Work

Mains-Steel 3"

\$7,287.77

0

Department Clearings

Mains-Steel 2"

\$788.73

0

Department Clearings

Mains-Steel 3"

\$788.73

0

Overheads Capitalized - Benefits

Mains-Steel 2"

\$472.16

0

Overheads Capitalized - Benefits

Mains-Steel 3"

\$472.16

0

Overheads Capitalized - General

Mains-Steel 2"

\$2,091.60

0

Overheads Capitalized - General

Mains-Steel 3"

\$5,315.60

0

Payroll Taxes

Mains-Steel 3"

\$81.56

0

Payroll Taxes

Mains-Steel 2"

\$81.56

0

Retirement Value

Mains-Steel 3"

\$3,413.87

1,553

**Work Order Authorization Information**

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

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Unitization:</b>				
0401-043050 JACKSON CTY/KC				
376100-Mains - Steel				
Retirement				
Retirement Value	Mains-Steel 2"		\$841.51	709
Retirement Value	Mains-Steel 2"		\$303.16	199
Stores	Mains-Steel 3"		\$1,344.52	0
			<b>Retirement Total:</b>	<b>2,461</b>
<hr/>				
376300-Mains - Plastic				
Addition				
Contract Payroll	Mains-Plastic 2"		\$715.40	0
Contract Payroll	Mains-Plastic 4"		\$1,430.80	0
Contractor Work	Mains-Plastic 4"		\$147,498.87	0
Contractor Work	Mains-Plastic 2"		\$21,630.68	0
Department Clearings	Mains-Plastic 4"		\$2,103.28	0
Department Clearings	Mains-Plastic 2"		\$1,051.64	0
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$1,259.10	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$629.55	0
Overheads Capitalized - General	Mains-Plastic 2"		\$13,600.47	0
Overheads Capitalized - General	Mains-Plastic 4"		\$106,610.50	0
Payroll Taxes	Mains-Plastic 2"		\$108.74	0
Payroll Taxes	Mains-Plastic 4"		\$217.48	0
Stores	Mains-Plastic 4"		\$27,054.30	1,910
Stores	Mains-Plastic 2"		\$556.10	670
			<b>Addition Total:</b>	<b>2,580</b>
<hr/>				
380100-Services - Steel				
Retirement				
Retirement Value	Services-Steel		\$94.18	154
Retirement Value	Services-Steel		\$43.00	118
Retirement Value	Services-Steel		\$22.50	57
Retirement Value	Services-Steel		\$41.07	35
			<b>Retirement Total:</b>	<b>364</b>
<hr/>				
380200-Services - Plastic & Copper				
Addition				
Contractor Work	Services-Plastic		\$4,508.20	0
Overheads Capitalized - General	Services-Plastic		\$2,797.66	0
Stores	Services-Plastic		\$78.12	372
			<b>Addition Total:</b>	<b>372</b>
<hr/>				
Retirement				
Contractor Work	Services-Plastic		\$471.56	0
Overheads Capitalized - General	Services-Plastic		\$287.65	0
Retirement Value	Services-Plastic		\$37.20	2
Retirement Value	Services-Plastic		\$126.47	11
Retirement Value	Services-Plastic		\$86.72	4
Retirement Value	Services-Plastic		\$228.45	26
Retirement Value	Services-Plastic		\$1,971.48	176
Retirement Value	Services-Plastic		\$4.40	1

**Work Order Authorization Information**

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

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Unitization:</b>							
0401-043050 JACKSON CTY/KC							
380200-Services - Plastic & Copper							
Retirement							
Retirement Value				Services-Plastic		\$708.44	59
Retirement Value				Services-Plastic		\$38.45	3
Retirement Value				Services-Plastic		\$886.28	49
Retirement Value				Services-Plastic		\$853.01	76
<b>Retirement Total:</b>						<b>\$5,700.11</b>	<b>407</b>
<b>Location Total:</b>						<b>\$331,850.89</b>	<b>2,952</b>
<b>Used in Unitization:</b>						<b>\$331,850.89</b>	<b>2,952</b>
<b>Unit Estimate Total:</b>						<b>\$331,850.89</b>	<b>2,952</b>

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

Business Segment	GL Account	Asset Location	Utility Account	Retirement Unit	Asset Description	Vintage	Activity Code	Retire Qty	Retirement Amount
<b>Posted Retirements:</b>									
Missouri West									
101000::Gas Plant in Service									
0401-043050 JACKSON CTY/KC									
376100-Mains - Steel									
Mains-Steel 2"									
OCR						1952	URET	709	\$841.51
OCR						1966	URET	199	\$303.16
OCR					Mains-Steel 3"	1954	URET	1,553	\$3,413.87
<b>Utility Account Total:</b>								<b>2,461</b>	<b>\$4,558.54</b>
380100-Services - Steel									
Services-Steel									
OCR						1925	URET	57	\$22.50
OCR						1928	URET	118	\$43.00
OCR						1952	URET	154	\$94.18
OCR						1963	URET	35	\$41.07
<b>Utility Account Total:</b>								<b>364</b>	<b>\$200.75</b>
380200-Services - Plastic & Copper									
Services-Plastic									
OCR						1971	URET	1	\$4.40
OCR						1983	URET	59	\$708.44



**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
<b>Posted Retirements:</b>					
Missouri West	101000::Gas Plant in Service				
0401-043050 JACKSON CTY/KC					
380200-Services - Plastic & Copper					
Services-Plastic					
OCR		1991	URET	11	\$126.47
OCR		1992	URET	26	\$228.45
OCR		1993	URET	176	\$1,971.48
OCR		1998	URET	3	\$38.45
OCR		1999	URET	76	\$853.01
OCR		2002	URET	49	\$886.28
OCR		2004	URET	2	\$37.20
OCR		2007	URET	4	\$86.72
		<b>Utility Account Total:</b>		<b>407</b>	<b>\$4,940.90</b>
		<b>Location Total:</b>		<b>3,232</b>	<b>\$9,700.19</b>
		<b>GL Account Total:</b>		<b>3,232</b>	<b>\$9,700.19</b>
		<b>Posted Retirements:</b>		<b>3,232</b>	<b>\$9,700.19</b>
		<b>Work Order Total:</b>		<b>3,232</b>	<b>\$9,700.19</b>

## Work Order Authorization Information

**Header Detail**

<p><b>Work Order: 801873</b></p> <p><b>Work Order Title:</b> Repl 2175F 2-4P CP at Canterbury</p> <p><b>Wo Type Description:</b> WO-Replacement Mains &amp; Svcs MGE</p> <p><b>Work Order Group:</b></p> <p><b>Current Revision:</b> 1</p> <p><b>Funding Project:</b> F0572</p> <p><b>Funding Project Desc:</b> Main Replacement - ISRS (SW)</p> <p><b>Eligible for AFUDC:</b> yes      <b>Eligible for CPI:</b> yes</p> <p><b>Reason Code:</b> System Integrity</p> <p><b>WO Description:</b> Install 630ft of 4in PL IP Main, 1545ft of 2in PL IP Main on Canterbury Lane and E 4th St.</p> <p><b>Major Location:</b> 0501-Joplin</p> <p><b>Asset Location:</b> 0501-044001 JASPER CTY/JOPLIN</p> <p><b>Estimated Start Date:</b> Feb 19, 2018      <b>Estimated Completion Date:</b> Mar 27, 2018      <b>Estimated In-Service Date:</b> Mar 27, 2018</p> <p><b>Notes:</b> Abandon 5ft of 4in PL IP Main, 4ft of 3in PL IP Main, 36ft of 2in PL IP Main, 461ft of 3in ST IP Main, 1779ft of 2in ST IP Main, 50ft of 1 1/4in ST IP Main on Canterbury Lane and E 4th St. Total number of Tie overs 19, total number of replacements 3. This main is being replaced as part of FY18 Bare ST replacement program and is having CP related issues and has an open leak.</p>	<p><b>Company:</b> Spire Missouri Inc.</p> <p><b>Business Segment:</b> Missouri West</p> <p><b>Functional Class:</b> Distribution Plant</p> <p><b>Department Code:</b> 20921</p> <p><b>Department Description:</b> Region 2B - SW Missouri - Distribution - Union</p> <p><b>Budget Description:</b> Replace bare steel main - safety re</p> <p><b>Est. Annual Revenue:</b></p> <p><b>Reimbursement Type:</b> None</p> <p><b>Retirement Type:</b></p> <p><b>Status:</b> posted to CPR</p>
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**Reason for Work (Justification)**

### Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	3/4/2018
Engineering Review-Dist	Hoeflerlin, Craig	\$0	3/6/2018
VP Field Operations-MGE	Hampton, Joe	\$1,000,000	3/7/2018

***** Unit Estimate *****						
Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage	
376100-Mains - Steel	\$0.00	\$967.36	\$967.36	\$0.00	\$0.00	
376300-Mains - Plastic	\$145,705.12	\$830.15	\$146,535.27	\$0.00	\$0.00	
380200-Services - Plastic & Copper	\$3,223.31	\$346.57	\$3,569.88	\$0.00	\$0.00	
<b>Total Estimated Costs:</b>	<b>\$148,928.43</b>	<b>\$2,144.08</b>	<b>\$151,072.51</b>	<b>\$0.00</b>	<b>\$0.00</b>	

### Work Order Authorization Information

\*\*\*\*\* Unit Estimate \*\*\*\*\*

Asset Location						
Utility Account						
Retirement Unit						
Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0501-044001 JASPER CTY/JOPLIN						
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$679.00	\$0.00	0	0	0	0
Contractor Work	\$64,755.12	\$190.98	0	0	0	0
Department Clearings	\$587.34	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$379.56	\$0.00	0	0	0	0
Overheads Capitalized - General	\$28,987.37	\$81.97	0	0	0	0
Payroll Taxes	\$103.21	\$0.00	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	36	0	0
Stores	\$3,348.20	\$1.88	1545	0	0	0
Mains-Plastic 3"						
Contractor Work	\$0.00	\$10.52	0	0	0	0
Overheads Capitalized - General	\$0.00	\$4.47	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	4	0	0
Mains-Plastic 4"						
Contract Payroll	\$305.55	\$0.00	0	0	0	0
Contractor Work	\$29,797.24	\$371.44	0	0	0	0
Department Clearings	\$264.30	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$170.80	\$0.00	0	0	0	0
Overheads Capitalized - General	\$13,756.35	\$161.15	0	0	0	0
Payroll Taxes	\$46.44	\$0.00	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	5	0	0
Stores	\$2,524.64	\$7.74	630	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$145,705.12</b>	<b>\$830.15</b>	<b>2,175.00</b>	<b>45.00</b>	<b>0.00</b>	<b>0.00</b>
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$271.60	0	0	0	0
Contractor Work	\$0.00	\$165.16	0	0	0	0
Department Clearings	\$0.00	\$234.93	0	0	0	0
Overheads Capitalized - Benefits	\$0.00	\$151.82	0	0	0	0
Overheads Capitalized - General	\$0.00	\$87.58	0	0	0	0
Payroll Taxes	\$0.00	\$41.28	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	1829	0	0
Mains-Steel 3"						
Contractor Work	\$0.00	\$10.52	0	0	0	0
Overheads Capitalized - General	\$0.00	\$4.47	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	461	0	0
<b>SubTotal Utility Account:</b>	<b>\$0.00</b>	<b>\$967.36</b>	<b>0.00</b>	<b>2,290.00</b>	<b>0.00</b>	<b>0.00</b>

**Work Order Authorization Information**

\*\*\*\*\* Unit Estimate \*\*\*\*\*

Asset Location						
Utility Account						
Retirement Unit						
Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
0501-044001 JASPER CTY/JOPLIN						
380200-Services - Plastic & Copper						
Services-Plastic						
Contractor Work	\$2,069.10	\$243.21	0	0	0	0
Overheads Capitalized - General	\$961.34	\$103.36	0	0	0	0
Stores	\$192.87	\$0.00	0	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$3,223.31</b>	<b>\$346.57</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>SubTotal Location:</b>	<b>\$148,928.43</b>	<b>\$2,144.08</b>	<b>2,175.00</b>	<b>2,335.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Unit Estimate:</b>	<b>\$148,928.43</b>	<b>\$2,144.08</b>	<b>2,175</b>	<b>2,335</b>	<b>0</b>	<b>0</b>

\*\*\*\*\* 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

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

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Unitization:</b>				
0501-044001 JASPER CTY/JOPLIN				
376100-Mains - Steel				
Retirement				
Contract Payroll	Mains-Steel 2"		\$19.62	0
Contractor Work	Mains-Steel 3"		\$568.08	0
Contractor Work	Mains-Steel 2"		\$2,503.76	0
Department Clearings	Mains-Steel 2"		\$16.97	0
Overheads Capitalized - Benefits	Mains-Steel 2"		\$10.97	0
Overheads Capitalized - General	Mains-Steel 2"		\$1,065.35	0
Overheads Capitalized - General	Mains-Steel 3"		\$241.43	0
Payroll Taxes	Mains-Steel 2"		\$2.98	0
Retirement Value	Mains-Steel 2"		\$229.68	101

**Work Order Authorization Information**

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

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Unitization:</b>				
0501-044001 JASPER CTY/JOPLIN				
376100-Mains - Steel				
Retirement				
Retirement Value	Mains-Steel 2"		\$284.24	49
Retirement Value	Mains-Steel 2"		\$178.68	179
Retirement Value	Mains-Steel 2"		\$1,000.08	371
Retirement Value	Mains-Steel 2"		\$448.33	182
Retirement Value	Mains-Steel 3"		\$573.82	224
Retirement Value	Mains-Steel 2"		\$831.16	767
Retirement Value	Mains-Steel 2"		\$431.56	34
Retirement Value	Mains-Steel 3"		\$745.17	187
Retirement Value	Mains-Steel 2"		\$202.68	107
Retirement Value	Mains-Steel 2"		\$90.71	23
<b>Retirement Total:</b>			<b>\$9,445.27</b>	<b>2,224</b>
376300-Mains - Plastic				
Addition				
Contract Payroll	Mains-Plastic 4"		\$11,650.69	0
Contract Payroll	Mains-Plastic 2"		\$20,970.50	0
Contractor Work	Mains-Plastic 4"		\$6,172.92	0
Contractor Work	Mains-Plastic 2"		\$15,540.54	0
Department Clearings	Mains-Plastic 2"		\$18,139.48	0
Department Clearings	Mains-Plastic 4"		\$10,077.85	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$11,722.51	0
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$6,512.74	0
Overheads Capitalized - General	Mains-Plastic 2"		\$9,372.89	0
Overheads Capitalized - General	Mains-Plastic 4"		\$4,242.68	0
Payroll Taxes	Mains-Plastic 4"		\$1,770.90	0
Payroll Taxes	Mains-Plastic 2"		\$3,187.52	0
Stores	Mains-Plastic 2"		\$3,355.40	1,483
Stores	Mains-Plastic 4"		\$2,055.41	628
<b>Addition Total:</b>			<b>\$124,772.03</b>	<b>2,111</b>
Retirement				
Contract Payroll	Mains-Plastic 3"		\$323.38	0
Contractor Work	Mains-Plastic 3"		\$10.52	0
Contractor Work	Mains-Plastic 2"		\$84.16	0
Department Clearings	Mains-Plastic 3"		\$279.72	0
Overheads Capitalized - Benefits	Mains-Plastic 3"		\$180.77	0
Overheads Capitalized - General	Mains-Plastic 3"		\$27.18	0
Overheads Capitalized - General	Mains-Plastic 2"		\$35.77	0
Payroll Taxes	Mains-Plastic 3"		\$49.15	0
Retirement Value	Mains-Plastic 3"		\$536.23	7
Retirement Value	Mains-Plastic 2"		\$231.87	32
Retirement Value	Mains-Plastic 2"		\$365.51	30
Stores	Mains-Plastic 3"		\$4.73	0
<b>Retirement Total:</b>			<b>\$2,128.99</b>	<b>69</b>

**Work Order Authorization Information**

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

Asset Location

Utility Account

Exp Type

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

0501-044001 JASPER CTY/JOPLIN

380100-Services - Steel

Retirement

Contract Payroll	Services-Steel		\$204.62	0
Contractor Work	Services-Steel		\$10.52	0
Department Clearings	Services-Steel		\$177.00	0
Overheads Capitalized - Benefits	Services-Steel		\$114.38	0
Overheads Capitalized - General	Services-Steel		\$17.57	0
Payroll Taxes	Services-Steel		\$31.10	0
Retirement Value	Services-Steel		\$27.81	15
Retirement Value	Services-Steel		\$126.57	32

<b>Retirement Total:</b>			<b>\$709.57</b>	<b>47</b>
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380200-Services - Plastic & Copper

Addition

Contract Payroll	Services-Plastic		\$1,740.78	0
Department Clearings	Services-Plastic		\$1,505.77	0
Overheads Capitalized - Benefits	Services-Plastic		\$973.10	0
Overheads Capitalized - General	Services-Plastic		\$279.33	0
Payroll Taxes	Services-Plastic		\$264.60	0
Stores	Services-Plastic		\$395.10	270

<b>Addition Total:</b>			<b>\$5,158.68</b>	<b>270</b>
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Retirement

Contractor Work	Services-Plastic		\$10.52	0
Overheads Capitalized - General	Services-Plastic		\$4.47	0
Retirement Value	Services-Plastic		\$201.98	25
Retirement Value	Services-Plastic		\$100.72	11
Retirement Value	Services-Plastic		\$309.67	30
Retirement Value	Services-Plastic		\$144.60	9
Retirement Value	Services-Plastic		\$2,330.34	127
Retirement Value	Services-Plastic		\$360.42	41

<b>Retirement Total:</b>			<b>\$3,462.72</b>	<b>243</b>
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<b>Location Total:</b>	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
	\$129,930.71	2,381	\$15,746.55	2,583

<b>Used in Unitization:</b>	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
	\$129,930.71	2,381	\$15,746.55	2,583

<b>Unit Estimate Total:</b>	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
	\$129,930.71	2,381	\$15,746.55	2,583

**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
<b>Posted Retirements:</b>					
<b>Missouri West</b>	<b>101000::Gas Plant in Service</b>				
0501-044001 JASPER CTY/JOPLIN					
376100-Mains - Steel					
Mains-Steel 2"					
OCR		1952	URET	179	\$178.68
OCR		1956	URET	767	\$831.16
OCR		1959	URET	107	\$202.68
OCR		1960	URET	101	\$229.68
OCR		1964	URET	371	\$1,000.08
OCR		1969	URET	182	\$448.33
OCR		1972	URET	23	\$90.71
OCR		1977	URET	49	\$284.24
OCR		1993	URET	34	\$431.56
Mains-Steel 3"					
OCR		1969	URET	224	\$573.82
OCR		1972	URET	187	\$745.17
		<b>Utility Account Total:</b>		<b>2,224</b>	<b>\$5,016.11</b>
376300-Mains - Plastic					
Mains-Plastic 2"					
OCR		1986	URET	32	\$231.87
OCR		2001	URET	30	\$365.51
Mains-Plastic 3"					
OCR		2006	URET	7	\$536.23
		<b>Utility Account Total:</b>		<b>69</b>	<b>\$1,133.61</b>
380100-Services - Steel					
Services-Steel					
OCR		1960	URET	15	\$27.81
OCR		1972	URET	32	\$126.57
		<b>Utility Account Total:</b>		<b>47</b>	<b>\$154.38</b>
380200-Services - Plastic & Copper					
Services-Plastic					
OCR		1987	URET	30	\$309.67
OCR		1989	URET	9	\$144.60
OCR		1994	URET	41	\$360.42
OCR		1995	URET	127	\$2,330.34
OCR		1997	URET	11	\$100.72
OCR		2000	URET	25	\$201.98
		<b>Utility Account Total:</b>		<b>243</b>	<b>\$3,447.73</b>
		<b>Location Total:</b>		<b>2,583</b>	<b>\$9,751.83</b>
		<b>GL Account Total:</b>		<b>2,583</b>	<b>\$9,751.83</b>
		<b>Posted Retirements:</b>		<b>2,583</b>	<b>\$9,751.83</b>
		<b>Work Order Total:</b>		<b>2,583</b>	<b>\$9,751.83</b>

## Work Order Authorization Information

**Header Detail**

<p><b>Work Order: 801165</b></p> <p><b>Work Order Title:</b> Repl 70F 8-16S Langsford &amp; MO Rt 7</p> <p><b>Wo Type Description:</b> WO-Replacement Mains &amp; Svcs MGE</p> <p><b>Work Order Group:</b></p> <p><b>Current Revision:</b> 2</p> <p><b>Funding Project:</b> F0604</p> <p><b>Funding Project Desc:</b> Main Replacement - ISRS (S)</p> <p><b>Eligible for AFUDC:</b> yes      <b>Eligible for CPI:</b> yes</p> <p><b>Reason Code:</b> Safety</p> <p><b>WO Description:</b> Install ~40 Ft of 8in ST FP Main, ~30 Ft of 16in ST FP Main. Abandon ~40 Ft of 8in ST FP Main, ~30 Ft of 16in ST FP Main.</p> <p><b>Major Location:</b> 0931-Lake Lotawana</p> <p><b>Asset Location:</b> 0931-043044 JACKSON CTY/LOTOWANA</p>	<p><b>Company:</b> Spire Missouri Inc.</p> <p><b>Business Segment:</b> Missouri West</p> <p><b>Functional Class:</b> Distribution Plant</p> <p><b>Department Code:</b> 20638</p> <p><b>Department Description:</b> Construction &amp; Maintenance - Region 2B - Unio</p> <p><b>Budget Description:</b> Replace bare steel main - safety re</p> <p><b>Est. Annual Revenue:</b></p> <p><b>Reimbursement Type:</b> None</p> <p><b>Retirement Type:</b></p> <p><b>Status:</b> in service</p>
<p><b>Estimated Start Date:</b> Jun 11, 2018      <b>Estimated Completion Date:</b> Jun 15, 2018      <b>Estimated In-Service Date:</b> Jun 15, 2018</p>	
<p><b>Notes:</b> We have a 16" Bridle Valve Setting fed by Drinkwater at Langsford Rd &amp; MO Route 7. The 16" pipe 45s above ground with a 16" valve. There are 2 - 8" valves that take off on either side of the 16" valve &amp; then go below ground &amp; north on MO Rte 7 to feed Blue Springs. West of the Bridle Valve Setting the 16" main is capped with an 8" side valve that then goes West on Langsford Road to feed Lees Summit. The 8" valve feeding LS is leaking &amp; the Class 3 leak is due this August. L&amp;M is unable to repack the valve &amp; can't fix leak. There is not enough room b/w the 8" valve &amp; 16" pipe to stopper the 8" to replace valve. I don't believe a Bridle Valve setting is necessary as the feed is one way coming from the East. Please review the Master Plan to confirm that this will not become a two way feed. We could hire TDW Services to stopper the 16" main East of the Valve Setting and and install an 8" valve below ground to feed North and an 8" valve below ground to feed West. Please provide a design</p>	

**Reason for Work (Justification)**

### Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	6/19/2018
Engineering Review-Dist	Hoferlin, 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	\$126,137.89	\$17,773.33	\$143,911.22	\$0.00	\$0.00
<b>Total Estimated Costs:</b>	<b>\$126,137.89</b>	<b>\$17,773.33</b>	<b>\$143,911.22</b>	<b>\$0.00</b>	<b>\$0.00</b>



### 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
0931-043044 JACKSON CTY/LOTOV						
376100-Mains - Steel						
Mains-Steel 16"						
Contract Payroll	\$782.40	\$130.40	0	0	0	0
Contractor Work	\$5,320.26	\$6,441.30	0	0	0	0
Department Clearings	\$676.78	\$112.80	0	0	0	0
Overheads Capitalized - Benefits	\$437.36	\$72.89	0	0	0	0
Overheads Capitalized - General	\$15,635.07	\$2,745.90	0	0	0	0
Payroll Taxes	\$118.92	\$19.82	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	90	0	0
Stores	\$31,350.33	\$0.00	30	0	0	0
Mains-Steel 8"						
Contract Payroll	\$521.60	\$130.40	0	0	0	0
Contractor Work	\$9,586.88	\$5,548.04	0	0	0	0
Department Clearings	\$451.18	\$112.80	0	0	0	0
Overheads Capitalized - Benefits	\$291.57	\$72.89	0	0	0	0
Overheads Capitalized - General	\$21,041.73	\$2,366.27	0	0	0	0
Payroll Taxes	\$79.28	\$19.82	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	120	0	0
Stores	\$39,844.53	\$0.00	40	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$126,137.89</b>	<b>\$17,773.33</b>	<b>70.00</b>	<b>210.00</b>	<b>0.00</b>	<b>0.00</b>
<b>SubTotal Location:</b>	<b>\$126,137.89</b>	<b>\$17,773.33</b>	<b>70.00</b>	<b>210.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Unit Estimate:</b>	<b>\$126,137.89</b>	<b>\$17,773.33</b>	<b>70</b>	<b>210</b>	<b>0</b>	<b>0</b>

\*\*\*\*\* Class Codes \*\*\*\*\*

Class Code	Value
cap_expense	capital
CWIP Property Tax Type	MO-CWIP-Distribution Real
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**

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

Asset Location  
Utility Account  
Exp Type

Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Available for Unitization:</b>				
0931-043044 JACKSON CTY/LOTOWANA				
376100-Mains - Steel				
Addition				
Contract Payroll	Mains-Steel 16"		\$1,251.95	0
Contract Payroll	Mains-Steel 8"		\$1,251.95	0
Contractor Work	Mains-Steel 8"		\$16,586.90	0
Contractor Work	Mains-Steel 16"		\$24,884.56	0
Department Clearings	Mains-Steel 16"		\$1,840.37	0
Department Clearings	Mains-Steel 8"		\$1,840.37	0
Overheads Capitalized - Benefits	Mains-Steel 16"		\$1,101.72	0
Overheads Capitalized - Benefits	Mains-Steel 8"		\$1,101.72	0
Overheads Capitalized - General	Mains-Steel 16"		\$54,344.08	0
Overheads Capitalized - General	Mains-Steel 8"		\$34,924.81	0
Payroll Taxes	Mains-Steel 8"		\$190.30	0
Payroll Taxes	Mains-Steel 16"		\$190.30	0
Stores	Mains-Steel 8"		\$40,476.02	30
Stores	Mains-Steel 16"		\$64,013.23	18
<b>Addition Total:</b>			<b>\$243,998.28</b>	<b>48</b>

Retirement

Contract Payroll	Mains-Steel 8"		\$35.77	0
Contract Payroll	Mains-Steel 16"		\$35.77	0
Contractor Work	Mains-Steel 8"		\$7,869.64	0
Contractor Work	Mains-Steel 16"		\$4,070.98	0
Department Clearings	Mains-Steel 16"		\$52.58	0
Department Clearings	Mains-Steel 8"		\$52.58	0
Overheads Capitalized - Benefits	Mains-Steel 16"		\$31.48	0
Overheads Capitalized - Benefits	Mains-Steel 8"		\$31.48	0
Overheads Capitalized - General	Mains-Steel 16"		\$2,486.62	0
Overheads Capitalized - General	Mains-Steel 8"		\$4,803.81	0
Payroll Taxes	Mains-Steel 16"		\$5.44	0
Payroll Taxes	Mains-Steel 8"		\$5.44	0
Retirement Value	Mains-Steel 8"		\$138.12	13
Retirement Value	Mains-Steel 8"		\$169.49	5
<b>Retirement Total:</b>			<b>\$19,789.20</b>	<b>18</b>

	<u>Addition Dollars</u>	<u>Add Qty</u>	<u>Retirement Dollars</u>	<u>Retire Qty</u>
<b>Location Total:</b>	\$243,998.28	48	\$19,789.20	18
<b>Available for Unitization:</b>	\$243,998.28	48	\$19,789.20	18
<b>Unit Estimate Total:</b>	\$243,998.28	48	\$19,789.20	18

**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
<b>Selected Retirements:</b>				
Missouri West	101000::Gas Plant in Service			
0931-043044 JACKSON CTY/LOTOWANA				
376100-Mains - Steel				
Mains-Steel 8"				
OCR		1964 URET	13	\$138.12
OCR		1983 URET	5	\$169.49
		<b>Utility Account Total:</b>	<b>18</b>	<b>\$307.61</b>
		<b>Location Total:</b>	<b>18</b>	<b>\$307.61</b>
		<b>GL Account Total:</b>	<b>18</b>	<b>\$307.61</b>
		<b>Selected Retirements:</b>	<b>18</b>	<b>\$307.61</b>
		<b>Work Order Total:</b>	<b>18</b>	<b>\$307.61</b>

### Work Order Authorization Information

**Header Detail**

<p><b>Work Order: 801930</b>  <b>Work Order Title:</b> Repl 212F 4S Exposed Main Ash Grove  <b>Wo Type Description:</b> WO-Replacement Mains &amp; Svcs MGE  <b>Work Order Group:</b>  <b>Current Revision:</b> 2  <b>Funding Project:</b> F0572  <b>Funding Project Desc:</b> Main Replacement - ISRS (SW)  <b>Eligible for AFUDC yes</b>      <b>Eligible for CPI:</b> yes  <b>Reason Code:</b> Safety  <b>WO Description:</b> Install ~ 212 Ft of 4 in ST FP Main due to exposure in Ash Grove.</p>	<p><b>Company: Spire Missouri Inc.</b>  <b>Business Segment:</b> Missouri West  <b>Functional Class:</b> Distribution Plant  <b>Department Code:</b> 20921  <b>Department Description:</b> Region 2B - SW Missouri - Distribution - Union  <b>Budget Description:</b> Replace bare steel main - safety re  <b>Est. Annual Revenue:</b>  <b>Reimbursement Type:</b> None  <b>Retirement Type:</b></p>
<p><b>Major Location:</b> 0832-Ash Grove and Thomas  <b>Asset Location:</b> 0832-034005 GREENE CTY/ASH GROVE</p>	<p><b>Status:</b> completed</p>

**Estimated Start Date:** Apr 02, 2018      **Estimated Completion Date:** Apr 06, 2018      **Estimated In-Service Date:** Apr 06, 2018

**Notes:** Abandon ~ 200 Ft of 4 in ST FP Main due to exposure in Ash Grove. Replace exposed main off of Ash Grove's supply Line. The coating has been deteriorated and the pipe is in poor condition resulting in leak. this is ISRS recoverable. Per Jessica Weissert the Estimate and the As Built are properly reflected with a difference in footage of 134 Feet.

**Reason for Work (Justification)**

### Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	1/29/2019
Engineering Review-Dist	Hoferlin, Craig	\$0	2/7/2019
VP Field Operations-MGE	Goodson, Timothy	\$1,000,000	2/8/2019

\*\*\*\*\* Unit Estimate \*\*\*\*\*

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$30,115.91	\$466.92	\$30,582.83	\$0.00	\$0.00
<b>Total Estimated Costs:</b>	<b>\$30,115.91</b>	<b>\$466.92</b>	<b>\$30,582.83</b>	<b>\$0.00</b>	<b>\$0.00</b>

### 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
0832-034005 GREENE CTY/ASH GF						
376100-Mains - Steel						
Mains-Steel 4"						
Contract Payroll	\$536.55	\$35.77	0	0	0	0
Contractor Work	\$12,129.54	\$210.14	0	0	0	0
Department Clearings	\$788.73	\$52.58	0	0	0	0
Overheads Capitalized - Benefits	\$472.16	\$31.48	0	0	0	0
Overheads Capitalized - General	\$10,729.45	\$131.51	0	0	0	0
Payroll Taxes	\$81.56	\$5.44	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	400	0	0
Stores	\$5,377.92	\$0.00	212	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$30,115.91</b>	<b>\$466.92</b>	<b>212.00</b>	<b>400.00</b>	<b>0.00</b>	<b>0.00</b>
<b>SubTotal Location:</b>	<b>\$30,115.91</b>	<b>\$466.92</b>	<b>212.00</b>	<b>400.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Unit Estimate:</b>	<b>\$30,115.91</b>	<b>\$466.92</b>	<b>212</b>	<b>400</b>	<b>0</b>	<b>0</b>

\*\*\*\*\* 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

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

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Available for Unitization:</b>				
0832-034005 GREENE CTY/ASH GROVE				
376100-Mains - Steel				
Addition				
Contract Payroll	Mains-Steel 4"		\$11,329.74	0
Contractor Work	Mains-Steel 4"		\$26,739.44	0
Department Clearings	Mains-Steel 4"		\$16,654.72	0
Overheads Capitalized - Benefits	Mains-Steel 4"		\$9,970.17	0

**Work Order Authorization Information**

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

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity	
<b>Available for Unitization:</b>								
0832-034005 GREENE CTY/ASH GROVE								
376100-Mains - Steel								
Addition								
			Overheads Capitalized - General	Mains-Steel 4"		\$22,090.74	0	
			Payroll Taxes	Mains-Steel 4"		\$1,722.12	0	
			Stores	Mains-Steel 4"		\$7,747.57	346	
						<b>Addition Total:</b>	<b>\$96,254.50</b>	<b>346</b>
Retirement								
			Contract Payroll	Mains-Steel 4"		\$107.31	0	
			Contractor Work	Mains-Steel 4"		\$13,788.60	0	
			Department Clearings	Mains-Steel 4"		\$157.75	0	
			Overheads Capitalized - Benefits	Mains-Steel 4"		\$94.43	0	
			Overheads Capitalized - General	Mains-Steel 4"		\$9,433.71	0	
			Payroll Taxes	Mains-Steel 4"		\$16.31	0	
			Retirement Value	Mains-Steel 4"		\$3.30	334	
			Stores	Mains-Steel 4"		\$1,660.14	0	
						<b>Retirement Total:</b>	<b>\$25,261.55</b>	<b>334</b>
		<b>Location Total:</b>		<b>Addition Dollars</b>	<b>Add Qty</b>	<b>Retirement Dollars</b>	<b>Retire Qty</b>	
				\$96,254.50	346	\$25,261.55	334	
		<b>Available for Unitization:</b>		<b>Addition Dollars</b>	<b>Add Qty</b>	<b>Retirement Dollars</b>	<b>Retire Qty</b>	
				\$96,254.50	346	\$25,261.55	334	
		<b>Unit Estimate Total:</b>		<b>Addition Dollars</b>	<b>Add Qty</b>	<b>Retirement Dollars</b>	<b>Retire Qty</b>	
				\$96,254.50	346	\$25,261.55	334	

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

Business Segment	GL Account	Asset Location	Utility Account	Retirement Unit	Asset Description	Vintage	Activity Code	Retire Qty	Retirement Amount
<b>Posted Retirements:</b>									
Missouri West	101000::Gas Plant in Service								
0832-034005 GREENE CTY/ASH GROVE									
376100-Mains - Steel									
Mains-Steel 4"									
				OCR		1967	URET	334	\$3.30
								<b>Utility Account Total:</b>	<b>\$3.30</b>
								<b>Location Total:</b>	<b>\$3.30</b>
								<b>GL Account Total:</b>	<b>\$3.30</b>
								<b>Posted Retirements:</b>	<b>\$3.30</b>
								<b>Work Order Total:</b>	<b>\$3.30</b>

### Work Order Authorization Information

**Header Detail**

<p><b>Work Order: 802352</b>  <b>Work Order Title:</b> Repl 1125F 2P Pennell &amp; Hodges  <b>Wo Type Description:</b> WO-Replacement Mains &amp; Svcs MGE  <b>Work Order Group:</b>  <b>Current Revision:</b> 1  <b>Funding Project:</b> F0572  <b>Funding Project Desc:</b> Main Replacement - ISRS (SW)  <b>Eligible for AFUDC:</b> yes      <b>Eligible for CPI:</b> yes  <b>Reason Code:</b> System Integrity  <b>WO Description:</b> 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><b>Major Location:</b> 0513-Carl Junction  <b>Asset Location:</b> 0513-044020 JASPER CTY/CARL JUNCTION</p> <p><b>Estimated Start Date:</b> Mar 04, 2019      <b>Estimated Completion Date:</b> Mar 22, 2019      <b>Estimated In-Service Date:</b> Mar 22, 2019</p> <p><b>Notes:</b> 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><b>Company:</b> Spire Missouri Inc.  <b>Business Segment:</b> Missouri West  <b>Functional Class:</b> Distribution Plant  <b>Department Code:</b> 20921  <b>Department Description:</b> Region 2B - SW Missouri - Distribution - Union  <b>Budget Description:</b> Replace bare steel main - safety re  <b>Est. Annual Revenue:</b>  <b>Reimbursement Type:</b> None  <b>Retirement Type:</b></p> <p style="text-align: right;"><b>Status:</b> 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
<b>Total Estimated Costs:</b>	<b>\$49,532.33</b>	<b>\$595.51</b>	<b>\$50,127.84</b>	<b>\$0.00</b>	<b>\$0.00</b>

**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
	<b>SubTotal Utility Account:</b>			<b>\$49,532.33</b>	<b>\$595.51</b>	<b>1,125.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
376100-Mains - Steel									
Mains-Steel 2"									
	Retirement Value			\$0.00	\$0.00	0	1171	0	0
	<b>SubTotal Utility Account:</b>			<b>\$0.00</b>	<b>\$0.00</b>	<b>0.00</b>	<b>1,171.00</b>	<b>0.00</b>	<b>0.00</b>
	<b>SubTotal Location:</b>			<b>\$49,532.33</b>	<b>\$595.51</b>	<b>1,125.00</b>	<b>1,171.00</b>	<b>0.00</b>	<b>0.00</b>
	<b>Total Unit Estimate:</b>			<b>\$49,532.33</b>	<b>\$595.51</b>	<b>1,125</b>	<b>1,171</b>	<b>0</b>	<b>0</b>

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

## Work Order Authorization Information

**Header Detail**

<p><b>Work Order: 802624</b></p> <p><b>Work Order Title:</b> Repl 200F 2P Neosho Blvd &amp; Walnut</p> <p><b>Wo Type Description:</b> WO-Replacement Mains &amp; Svcs MGE</p> <p><b>Work Order Group:</b></p> <p><b>Current Revision:</b> 1</p> <p><b>Funding Project:</b> F0572</p> <p><b>Funding Project Desc:</b> Main Replacement - ISRS (SW)</p> <p><b>Eligible for AFUDC:</b> yes      <b>Eligible for CPI:</b> yes</p> <p><b>Reason Code:</b> Safety</p> <p><b>WO Description:</b> Install ~ 200 Ft of 2 in PL IP Main at intersection of Walnut Drand Hwy 60 due to leaks in Neosho.</p> <p><b>Major Location:</b> 0806-Neosho</p> <p><b>Asset Location:</b> 0806-066010 NEWTON CTY/NEOSHO</p> <p><b>Estimated Start Date:</b> Feb 11, 2019      <b>Estimated Completion Date:</b> Mar 22, 2019      <b>Estimated In-Service Date:</b> Mar 22, 2019</p> <p><b>Notes:</b> Abandon ~ 177 Ft of 2 in ST IP Main in same location. 0 Tie-Over. ISRS Recoverable, Bare Steel Replacement. Per Jessica Weissert the Estimate and the As Built are properly reflected with a difference in footage of 187 Feet.</p>	<p><b>Company:</b> Spire Missouri Inc.</p> <p><b>Business Segment:</b> Missouri West</p> <p><b>Functional Class:</b> Distribution Plant</p> <p><b>Department Code:</b> 20921</p> <p><b>Department Description:</b> Region 2B - SW Missouri - Distribution - Union</p> <p><b>Budget Description:</b> Replace bare steel main - safety re</p> <p><b>Est. Annual Revenue:</b></p> <p><b>Reimbursement Type:</b> None</p> <p><b>Retirement Type:</b></p> <p><b>Status:</b> completed</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	Hoeferlin, 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
376100-Mains - Steel	\$2,136.99	\$4,391.39	\$6,528.38	\$0.00	\$0.00
376300-Mains - Plastic	\$12,662.00	\$0.00	\$12,662.00	\$0.00	\$0.00
<b>Total Estimated Costs:</b>	<b>\$14,798.99</b>	<b>\$4,391.39</b>	<b>\$19,190.38</b>	<b>\$0.00</b>	<b>\$0.00</b>

**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/NEOSH-						
376300-Mains - Plastic						
Mains-Plastic 2"						
Contract Payroll	\$536.55	\$0.00	0	0	0	0
Contractor Work	\$6,081.93	\$0.00	0	0	0	0
Department Clearings	\$788.73	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$472.16	\$0.00	0	0	0	0
Overheads Capitalized - General	\$4,116.48	\$0.00	0	0	0	0
Payroll Taxes	\$81.56	\$0.00	0	0	0	0
Stores	\$584.59	\$0.00	200	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$12,662.00</b>	<b>\$0.00</b>	<b>200.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
376100-Mains - Steel						
Mains-Steel 2"						
Contract Payroll	\$0.00	\$35.77	0	0	0	0
Contractor Work	\$916.24	\$2,316.30	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	\$809.67	\$1,618.42	0	0	0	0
Payroll Taxes	\$0.00	\$5.44	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	177	0	0
Stores	\$411.08	\$331.40	0	0	0	0
<b>SubTotal Utility Account:</b>	<b>\$2,136.99</b>	<b>\$4,391.39</b>	<b>0.00</b>	<b>177.00</b>	<b>0.00</b>	<b>0.00</b>
<b>SubTotal Location:</b>	<b>\$14,798.99</b>	<b>\$4,391.39</b>	<b>200.00</b>	<b>177.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Unit Estimate:</b>	<b>\$14,798.99</b>	<b>\$4,391.39</b>	<b>200</b>	<b>177</b>	<b>0</b>	<b>0</b>

\*\*\*\*\* Class Codes \*\*\*\*\*

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

**Work Order Authorization Information**

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

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Available for Unitization:</b>							
0806-066010 NEWTON CTY/NEOSHO							
376100-Mains - Steel							
Retirement							
				Mains-Steel 2"		\$3,421.83	0
				Mains-Steel 2"		\$5,030.09	0
				Mains-Steel 2"		\$3,011.21	0
				Mains-Steel 2"		\$509.14	0
				Mains-Steel 2"		\$520.12	0
				Mains-Steel 2"		\$72.91	67
				Mains-Steel 2"		\$171.24	123
				Mains-Steel 2"		\$312.96	0
				<b>Retirement Total:</b>		<b>\$13,049.50</b>	<b>190</b>
376300-Mains - Plastic							
Addition							
				Mains-Plastic 2"		\$7,760.89	0
				Mains-Plastic 2"		\$11,408.51	0
				Mains-Plastic 2"		\$6,829.58	0
				Mains-Plastic 2"		\$1,486.42	0
				Mains-Plastic 2"		\$1,179.66	0
				Mains-Plastic 2"		\$1,253.53	387
				<b>Addition Total:</b>		<b>\$29,918.59</b>	<b>387</b>
Retirement							
				Mains-Plastic 2"		\$92.32	0
				Mains-Plastic 2"		\$135.71	0
				Mains-Plastic 2"		\$81.24	0
				Mains-Plastic 2"		\$8.59	0
				Mains-Plastic 2"		\$14.03	0
				Mains-Plastic 2"		\$143.07	37
				Mains-Plastic 2"		\$672.93	105
				<b>Retirement Total:</b>		<b>\$1,147.89</b>	<b>142</b>
				<b>Location Total:</b>		<b>\$29,918.59</b>	<b>387</b>
				<b>Retirement Dollars</b>		<b>\$14,197.39</b>	<b>332</b>
				<b>Addition Dollars</b>		<b>\$29,918.59</b>	<b>387</b>
				<b>Retirement Dollars</b>		<b>\$14,197.39</b>	<b>332</b>
				<b>Addition Dollars</b>		<b>\$29,918.59</b>	<b>387</b>
				<b>Retirement Dollars</b>		<b>\$14,197.39</b>	<b>332</b>
				<b>Addition Dollars</b>		<b>\$29,918.59</b>	<b>387</b>
				<b>Retirement Dollars</b>		<b>\$14,197.39</b>	<b>332</b>

**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
<b>Posted Retirements:</b>				
<b>Missouri West</b>	<b>101000::Gas Plant in Service</b>			
0806-066010 NEWTON CTY/NEOSHO				
376100-Mains - Steel				
Mains-Steel 2"				
OCR		1951 URET	67	\$72.91
OCR		1958 URET	123	\$171.24
		<b>Utility Account Total:</b>	<b>190</b>	<b>\$244.15</b>
376300-Mains - Plastic				
Mains-Plastic 2"				
OCR		1978 URET	37	\$143.07
OCR		1995 URET	105	\$672.93
		<b>Utility Account Total:</b>	<b>142</b>	<b>\$816.00</b>
		<b>Location Total:</b>	<b>332</b>	<b>\$1,060.15</b>
		<b>GL Account Total:</b>	<b>332</b>	<b>\$1,060.15</b>
		<b>Posted Retirements:</b>	<b>332</b>	<b>\$1,060.15</b>
		<b>Work Order Total:</b>	<b>332</b>	<b>\$1,060.15</b>