

## Work Order Authorization Information

**Header Detail**

<p><b>Work Order: 800227</b></p> <p><b>Work Order Title:</b> Valentine and Terrace St Replacemen</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> Strategic</p> <p><b>WO Description:</b> Install 450' of 2" PE. Abandon 500' of 6" CI at Valentine &amp; Terrace St. This replacement is due to graphitization and the compliance date is 02/09/2016</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> Jan 18, 2016</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> posted to CPR</p> <p><b>Estimated Completion Date:</b> Feb 05, 2016</p> <p><b>Estimated In-Service Date:</b> Feb 05, 2016</p>
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**Reason for Work (Justification)**

### Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	1/2/2016
Engineering Review-Dist	Hoeflerlin, Craig	\$0	1/4/2016
VP Field Operations-MGE	Hampton, Joe	\$500,000	1/4/2016

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

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376200-Mains - Cast Iron	\$0.00	\$7,698.63	\$7,698.63	\$0.00	\$0.00
376300-Mains - Plastic	\$19,601.09	\$0.00	\$19,601.09	\$0.00	\$0.00
380100-Services - Steel	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
380200-Services - Plastic & Copper	\$5,124.25	\$0.00	\$5,124.25	\$0.00	\$0.00
<b>Total Estimated Costs:</b>	<b>\$24,725.34</b>	<b>\$7,698.63</b>	<b>\$32,423.97</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 6"							
Contract Payroll		\$0.00	\$1,296.40	0	0	0	0
Contractor Work		\$0.00	\$3,419.04	0	0	0	0
Department Clearings		\$0.00	\$777.84	0	0	0	0
Overheads Capitalized - Benefits		\$0.00	\$803.77	0	0	0	0
Overheads Capitalized - General		\$0.00	\$1,138.34	0	0	0	0
Payroll Taxes		\$0.00	\$129.64	0	0	0	0
Retirement Value		\$0.00	\$0.00	0	500	0	0
Stores		\$0.00	\$133.60	0	0	0	0
<b>SubTotal Utility Account:</b>		<b>\$0.00</b>	<b>\$7,698.63</b>	<b>0.00</b>	<b>500.00</b>	<b>0.00</b>	<b>0.00</b>
376300-Mains - Plastic							
Mains-Plastic 2"							
Contract Payroll		\$1,296.40	\$0.00	0	0	0	0
Contractor Work		\$10,678.18	\$0.00	0	0	0	0
Department Clearings		\$777.84	\$0.00	0	0	0	0
Overheads Capitalized - Benefits		\$803.77	\$0.00	0	0	0	0
Overheads Capitalized - General		\$3,122.08	\$0.00	0	0	0	0
Payroll Taxes		\$129.64	\$0.00	0	0	0	0
Stores		\$2,793.18	\$0.00	450	0	0	0
<b>SubTotal Utility Account:</b>		<b>\$19,601.09</b>	<b>\$0.00</b>	<b>450.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
380200-Services - Plastic & Copper							
Services-Plastic							
Contractor Work		\$4,270.21	\$0.00	0	0	0	0
Overheads Capitalized - General		\$854.04	\$0.00	0	0	0	0
Stores		\$0.00	\$0.00	0	0	0	0
<b>SubTotal Utility Account:</b>		<b>\$5,124.25</b>	<b>\$0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
380100-Services - Steel							
Services-Steel							
Retirement Value		\$0.00	\$0.00	0	59	0	0
<b>SubTotal Utility Account:</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>0.00</b>	<b>59.00</b>	<b>0.00</b>	<b>0.00</b>
<b>SubTotal Location:</b>		<b>\$24,725.34</b>	<b>\$7,698.63</b>	<b>450.00</b>	<b>559.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Unit Estimate:</b>		<b>\$24,725.34</b>	<b>\$7,698.63</b>	<b>450</b>	<b>559</b>	<b>0</b>	<b>0</b>

### Work Order Authorization Information

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

***** As-Built *****				
Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
<b>Used in Unitization:</b>				
0401-043050 JACKSON CTY/KC				
376200-Mains - Cast Iron				
Retirement				
Contract Payroll	Mains-Cast Iron 6"		\$583.38	0
Contractor Work	Mains-Cast Iron 6"		\$3,419.04	0
Department Clearings	Mains-Cast Iron 6"		\$504.62	0
Mechanical Equipment	Mains-Cast Iron 6"		\$120.60	0
Overheads Capitalized - Benefits	Mains-Cast Iron 6"		\$326.11	0
Overheads Capitalized - General	Mains-Cast Iron 6"		\$1,605.38	0
Payroll Taxes	Mains-Cast Iron 6"		\$88.67	0
Retirement Value	Mains-Cast Iron 6"		\$328.07	500
Stores	Mains-Cast Iron 6"		\$149.88	0
<b>Retirement Total:</b>			<b>\$7,125.75</b>	<b>500</b>
376300-Mains - Plastic				
Addition				
Contract Payroll	Mains-Plastic 2"		\$713.02	0
Contractor Work	Mains-Plastic 2"		\$62,709.98	0
Department Clearings	Mains-Plastic 2"		\$616.76	0
Mechanical Equipment	Mains-Plastic 2"		\$147.40	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$398.58	0
Overheads Capitalized - General	Mains-Plastic 2"		\$27,067.58	0
Payroll Taxes	Mains-Plastic 2"		\$108.38	0
Stores	Mains-Plastic 2"		\$796.28	446
<b>Addition Total:</b>			<b>\$92,557.98</b>	<b>446</b>
Retirement				
Overheads Capitalized - General	Mains-Plastic 2"		\$30.86	0
<b>Retirement Total:</b>			<b>\$30.86</b>	<b>0</b>
380100-Services - Steel				
Retirement				
Contractor Work	Services-Steel		\$72.60	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					
380100-Services - Steel					
Retirement					
Overheads Capitalized - General	Services-Steel		\$30.86	0	
Retirement Value	Services-Steel		\$16.92	50	
Retirement Value	Services-Steel		\$16.57	49	
Retirement Value	Services-Steel		\$40.69	118	
Retirement Value	Services-Steel		\$39.51	46	
Retirement Value	Services-Steel		\$57.28	41	
<b>Retirement Total:</b>			<b>\$274.43</b>	<b>304</b>	
380200-Services - Plastic & Copper					
Addition					
Contract Payroll	Services-Plastic		\$939.89	0	
Contractor Work	Services-Plastic		\$5,438.84	0	
Department Clearings	Services-Plastic		\$1,429.77	0	
Mechanical Equipment	Services-Plastic		\$194.30	0	
Overheads Capitalized - Benefits	Services-Plastic		\$923.98	0	
Overheads Capitalized - General	Services-Plastic		\$2,562.52	0	
Payroll Taxes	Services-Plastic		\$251.24	0	
Stores	Services-Plastic		\$347.20	457	
<b>Addition Total:</b>			<b>\$12,087.74</b>	<b>457</b>	
Retirement					
Contract Payroll	Services-Plastic		\$713.02	0	
Contractor Work	Services-Plastic		\$72.60	0	
Mechanical Equipment	Services-Plastic		\$147.40	0	
Overheads Capitalized - General	Services-Plastic		\$30.86	0	
Retirement Value	Services-Plastic		\$132.56	18	
Retirement Value	Services-Plastic		\$424.54	33	
Retirement Value	Services-Plastic		\$289.10	19	
Retirement Value	Services-Plastic		\$122.57	14	
Retirement Value	Services-Plastic		\$35.84	2	
Retirement Value	Services-Plastic		\$160.98	14	
Retirement Value	Services-Plastic		\$441.68	4	
Retirement Value	Services-Plastic		\$379.73	35	
<b>Retirement Total:</b>			<b>\$2,950.88</b>	<b>139</b>	
<b>Location Total:</b>		<b>Addition Dollars</b>	<b>Add Qty</b>	<b>Retirement Dollars</b>	<b>Retire Qty</b>
		\$104,645.72	903	\$10,381.92	943
<b>Used in Unitization:</b>		<b>Addition Dollars</b>	<b>Add Qty</b>	<b>Retirement Dollars</b>	<b>Retire Qty</b>
		\$104,645.72	903	\$10,381.92	943
<b>Unit Estimate Total:</b>		<b>Addition Dollars</b>	<b>Add Qty</b>	<b>Retirement Dollars</b>	<b>Retire Qty</b>
		\$104,645.72	903	\$10,381.92	943



**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					
376200-Mains - Cast Iron					
Mains-Cast Iron 6"					
OCR		1922	URET	500	\$328.07
				<b>Utility Account Total:</b>	<b>500</b>
					<b>\$328.07</b>
380100-Services - Steel					
Services-Steel					
OCR		1922	URET	50	\$16.92
OCR		1922	URET	49	\$16.57
OCR		1922	URET	118	\$40.69
OCR		1968	URET	46	\$39.51
OCR		1969	URET	41	\$57.28
				<b>Utility Account Total:</b>	<b>304</b>
					<b>\$170.97</b>
380200-Services - Plastic & Copper					
Services-Plastic					
OCR		1977	URET	18	\$132.56
OCR		1980	URET	35	\$379.73
OCR		1982	URET	33	\$424.54
OCR		1991	URET	14	\$160.98
OCR		1995	URET	14	\$122.57
OCR		2005	URET	19	\$289.10
OCR		2013	URET	2	\$35.84
OCR		2015	URET	4	\$441.68
				<b>Utility Account Total:</b>	<b>139</b>
					<b>\$1,987.00</b>
				<b>Location Total:</b>	<b>943</b>
					<b>\$2,486.04</b>
				<b>GL Account Total:</b>	<b>943</b>
					<b>\$2,486.04</b>
				<b>Posted Retirements:</b>	<b>943</b>
					<b>\$2,486.04</b>
				<b>Work Order Total:</b>	<b>943</b>
					<b>\$2,486.04</b>