ISRS Affendix B-Prop +hru Feb 2017

Laclede Gas Company ISRS Revenue Requirement Calculation

ISRS Activity:

IONO Activity.	
Gas Utility Plant Projects - Main Replacements and Other Projects Extending Useful Li	fe of Mains:
Work Orders Placed in Service	6 705 152
Gross Additions	6,785,153
Deferred Taxes	(589,113)
Accumulated Depreciation	(35,386)
Total Net	6,160,654
Gas Utility Plant Projects - Service Line Replacements and Insertion Projects: Work Orders Placed in Service	
Gross Additions	2,304,527
Deferred Taxes	(715,534)
Accumulated Depreciation	(79,895)
Total Net	1,509,098
10 1000000	
Gas Utility Plant Projects - Regulator Stations: Work Orders Placed in Service	
Gross Additions	: <u>-</u>
Deferred Taxes	-
Accumulated Depreciation	<u> </u>
Total Net	Ø = :
Gas Utility Plant Projects - Main Relocations net of Reimbursements:	, <u> </u>
Work Orders Placed in Service	
Gross Additions	1,184,595
Deferred Taxes	(136,291)
Accumulated Depreciation	(4,710)
Total Net	1,043,594
Total Not	
Increase in Accumulated Deferred Income Taxes and Accumulated Depreciation Associated with Eligible Infrastructure System Replacements which are included in a Currently Effective ISRS Total Incremental Accumulated Depreciation Total Incremental Accumulated Deferred Taxes	(2,565,010) (502,284)
	80 192 <u>- 3</u> 17
Total ISRS Rate Base	5,646,052
Overall Rate of Return per GR-2010-0171	7.1855%
UOI Required	405,697
Income Tax Conversion Factor	1.62674 659,962
Revenue Requirement Before Interest Deductibility	039,902
Total ISRS Rate Base	5,646,052
Weighted Cost of Debt per GR-2010-0171	2.0445%
Interest Deduction	115,434
Marginal Income Tax Rate	38.5272%
Income Tax Reduction due to Interest	44,474
Income Tax Conversion Factor	1.62674
Revenue Requirement Impact of Interest Deductibility	72,347
Total Revenue Requirement on Capital	587,615
Depreciation Expense	349,488
Net Property Taxes	1,550,079
ISRS Revenue Undercollection January 2014 through December 2015	411,941_
Total Company ISRS Revenues	2,899,124
Total Staff Expected ISRS Revenues	2,717,206
Average of Company and Staff Recommendations	2,808,165
Cap (10% of Base Tariff Revenues in GR-2013-017	32,417,606
Less: Current Authorized Cumulative ISRS	(29,526,894)
Incremental ISRS - Up to the Cap	2,890,712
ISRS Revenue Undercollection January 2014 through December 2015	411,941
Proposed ISRS Revenues	3,302,653

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Laclede Gas Company ISRS Revenue Requirement Calculation

ISRS Activity:

Mork Orders Placed in Service Gross Additions Deferred Taxes Accumulated Depreciation Associated with Eligible Infrastructure System Replacements which are included in a Currently Effective ISRS Total Incremental Accumulated Depreciation Accumulated	ione nating.	
Work Orders Placed in Service Gross Additions 7,441,367	Gas Utility Plant Projects - Main Replacements and Other Projects Extending Useful Life	of Mains:
Gross Additions		
Accumulated Depreciation (35,386)	Gross Additions	7,441,367
Total Net	Deferred Taxes	
Monk Orders Placed in Service Gross Additions G.,401,464 Gross Additions G.,4710, Gross Additions Gross Additions Gross Additions G.,4710, Gross Additions Gross Addit	Accumulated Depreciation	(35,386)
Monk Orders Placed in Service Gross Additions G.,401,464 Gross Additions G.,4710, Gross Additions Gross Additions Gross Additions G.,4710, Gross Additions Gross Addit	- 1 m. 7	C 04C 0C0
Note	Total Net	0,010,000
Note	Gas Utility Plant Projects - Service Line Replacements and Insertion Projects:	
Deferred Taxes	Work Orders Placed in Service	
Total Net		
Total Net		
Gas Utility Plant Projects - Regulator Stations: Work Orders Placed in Service Gross Additions Deferred Taxes Accumulated Depreciation Associated with Eligible Infrastructure System Replacements which are included in a Currently Effective ISRS Accumulated Depreciation Associated with Eligible Infrastructure System Replacements which are included in a Currently Effective ISRS Accumulated Deferred Taxes Accumulated Depreciation Associated With Eligible Infrastructure System Replacements which are included in a Currently Effective ISRS Accumulated Deferred Taxes Accumulated Deferred Taxes	Accumulated Depreciation	(79,090)
Work Orders Placed in Service Gross Addillons Deferred Taxes Accumulated Depreciation - Total Net - Gas Utility Plant Projects - Main Relocations net of Reimbursements: Work Orders Placed in Service Gross Addillons Deferred Taxes Accumulated Depreciation 1,184,595 (136,291) Accumulated Depreciation Total Net 1,043,594 Increase in Accumulated Deferred income Taxes and Accumulated Depreciation Associated with Eligible Infrastructure System Replacements which are included in a Currently Effective ISRS Total Incremental Accumulated Depreciation (2,565,010) (2,565,010) Total Incremental Accumulated Depreciation Total Incremental Inc	Total Net	5,606,035
Work Orders Placed in Service Gross Addillons Deferred Taxes Accumulated Depreciation - Total Net - Gas Utility Plant Projects - Main Relocations net of Reimbursements: Work Orders Placed in Service Gross Addillons Deferred Taxes Accumulated Depreciation 1,184,595 (136,291) Accumulated Depreciation Total Net 1,043,594 Increase in Accumulated Deferred income Taxes and Accumulated Depreciation Associated with Eligible Infrastructure System Replacements which are included in a Currently Effective ISRS Total Incremental Accumulated Depreciation (2,565,010) (2,565,010) Total Incremental Accumulated Depreciation Total Incremental Inc	Can Hallity Plant Projects - Populator Stationar	
Cross Additions Deferred Taxes Accumulated Depreciation		
Deferred Taxes Accumulated Depreciation Accumulated Depreciation Accumulated Depreciation I.184.595		<u> </u>
Total Net		2
Total Net		<u> </u>
Age	1000.000.0 0.00 0 H	
Work Orders Placed in Service Gross Additions	Total Net	-
Work Orders Placed in Service Gross Additions	Gas Utility Plant Projects - Main Relocations net of Reimbursements:	
Deferred Taxes		
Accumulated Depreciation	Gross Additions	
Increase in Accumulated Deferred Income Taxes and Accumulated Depreciation Associated with Eligible Infrastructure System Replacements which are included in a Currently Effective ISRS Total Incremental Accumulated Depreciation (2,565,010) Total Incremental Accumulated Deferred Taxes (502,284) Total Incremental Accumulated Deferred Taxes (502,284) Total ISRS Rate Base 10,399,203 Overall Rate of Return per GR-2010-0171 7,1855% 747,235 Income Tax Conversion Factor 1,22074 Revenue Requirement Before Interest Deductibility 1,215,555 Total ISRS Rate Base 10,399,203 Overall ISRS Reduction due to Interest 212,612 Overall ISRS Reduction due to Interest 12,612 Overall ISRS Reduction due to Interest 1,62674 Overall ISRS Revenue Requirement Impact of Interest Deductibility 133,252 Overall Rate Proposed ISRS Revenue 1,082,303 Overall ISRS Revenue 1,082,303 Ove		8 8 8
Increase in Accumulated Deferred Income Taxes and Accumulated Depreciation Associated with Eligible Infrastructure System Replacements which are included in a Currently Effective ISRS (2,565,010) Total Incremental Accumulated Depreciation (502,284) Total Incremental Accumulated Deferred Taxes (502,284) Total ISRS Rate Base 10,399,203 Overall Rate of Return per GR-2010-0171 747,235 Income Tax Conversion Factor 1,62674 Revenue Requirement Before Interest Deductibility 1,215,555 Total ISRS Rate Base 10,399,203 Weighted Cost of Debt per GR-2010-0171 2,0445% Interest Deduction 212,612 Marginal Income Tax Rate 38,5272% Marginal Income Tax Rate 38,5272% 31,914 Income Tax Conversion Factor 1,62674 Revenue Requirement Impact of Interest Deductibility 133,262 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 3,49,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894, 12) ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,663	Accumulated Depreciation	(4,710)
Increase in Accumulated Deferred Income Taxes and Accumulated Depreciation Associated with Eligible Infrastructure System Replacements which are included in a Currently Effective ISRS (2,565,010) Total Incremental Accumulated Depreciation (502,284) Total Incremental Accumulated Deferred Taxes (502,284) Total ISRS Rate Base 10,399,203 Overall Rate of Return per GR-2010-0171 747,235 Income Tax Conversion Factor 1,62674 Revenue Requirement Before Interest Deductibility 1,215,555 Total ISRS Rate Base 10,399,203 Weighted Cost of Debt per GR-2010-0171 2,0445% Interest Deduction 212,612 Marginal Income Tax Rate 38,5272% Marginal Income Tax Rate 38,5272% 31,914 Income Tax Conversion Factor 1,62674 Revenue Requirement Impact of Interest Deductibility 133,262 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 3,49,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894, 12) ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,663	W. J. 191. J	4 042 504
Associated with Eligible Infrastructure System Replacements which are included in a Currently Effective ISRS (2,565,010) Total Incremental Accumulated Depreciation (2,565,010) Total Incremental Accumulated Deferred Taxes (502,284) Total ISRS Rate Base 10,399,203 Overall Rate of Return per GR-2010-0171 7,1855% Total Incremental Accumulated Deferred Taxes 10,399,203 Overall Rate of Return per GR-2010-0171 747,235 Income Tax Conversion Factor 1,62674 Revenue Requirement Before Interest Deductibility 1,215,555 Total ISRS Rate Base 10,399,203 Weighted Cost of Debt per GR-2010-0171 2,0445% Interest Deduction 212,612 Interest Deduction 212,612 Income Tax Reduction due to Interest 38,5272% Income Tax Reduction due to Interest 1,62674 Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,653 Appendix B	I otal net	1,043,394
Currently Effective ISRS (2,565,010) Total Incremental Accumulated Deferred Taxes (502,284) Total IRSR Rate Base 10,399,203 Overall Rate of Return per GR-2010-0171 7.1855% UOI Required 747,235 Income Tax Conversion Factor 1.62674 Revenue Requirement Before Interest Deductibility 1,215,555 Total ISRS Rate Base 10,399,203 Weighted Cost of Debt per GR-2010-0171 2.045% Interest Deduction 212,612 Marginal Income Tax Rate 38,5272% Income Tax Conversion Factor 1,62674 Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,038,812 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 22,417,606 Less: Cur	Increase in Accumulated Deferred Income Taxes and Accumulated Depreciation Associated with Eliqible Infrastructure System Replacements which are included in a	
Total Incremental Accumulated Deferred Taxes (502,284) Total ISRS Rate Base 10,399,203 Overall Rate of Return per GR-2010-0171 7.1855% UOI Required 747,235 Income Tax Conversion Factor 1.62674 Revenue Requirement Before Interest Deductibility 1,215,555 Total ISRS Rate Base 10,399,203 Weighted Cost of Debt per GR-2010-0171 2.0445% Interest Deduction 212,612 Marginal Income Tax Rate 38,5272% Income Tax Reduction due to Interest 81,914 Income Tax Conversion Factor 1,62674 Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS Incremental ISRS - Up to the Cap 2,890,71	Currently Effective ISRS	
Total ISRS Rate Base 10,399,203 Overall Rate of Return per GR-2010-0171 7.1855% UOI Required 747,235 Income Tax Conversion Factor 1.62674 Revenue Requirement Before Interest Deductibility 1,215,555 Total ISRS Rate Base 10,399,203 Weighted Cost of Debt per GR-2010-0171 2.0445% Interest Deduction 212,612 Marginal income Tax Rate 38.5272% Income Tax Reduction due to Interest 81,914 Income Tax Conversion Factor 1.62674 Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 <	Total Incremental Accumulated Depreciation	(2,565,010)
Overall Rate of Return per GR-2010-0171 7.1855% UOI Required 747,235 Income Tax Conversion Factor 1,82674 Revenue Requirement Before Interest Deductibility 1,215,555 Total ISRS Rate Base 10,399,203 Weighted Cost of Debt per GR-2010-0171 2.0445% Interest Deduction 212,612 Marginal Income Tax Rate 38,5272% Income Tax Reduction due to Interest 81,914 Income Tax Conversion Factor 1,62674 Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,2417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,663 <td>Total Incremental Accumulated Deferred Taxes</td> <td>(502,284)</td>	Total Incremental Accumulated Deferred Taxes	(502,284)
Overall Rate of Return per GR-2010-0171 7.1855% UOI Required 747,235 Income Tax Conversion Factor 1,82674 Revenue Requirement Before Interest Deductibility 1,215,555 Total ISRS Rate Base 10,399,203 Weighted Cost of Debt per GR-2010-0171 2.0445% Interest Deduction 212,612 Marginal Income Tax Rate 38,5272% Income Tax Reduction due to Interest 81,914 Income Tax Conversion Factor 1,62674 Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,2417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,663 <td>Total ISRS Rate Base</td> <td>10.399.203</td>	Total ISRS Rate Base	10.399.203
UOI Required 747,235 Income Tax Conversion Factor 1,62674 Revenue Requirement Before Interest Deductibility 1,215,555 Total ISRS Rate Base 10,399,203 Weighted Cost of Debt per GR-2010-0171 2,0445% Interest Deduction 212,612 Marginal Income Tax Rate 38,5272% Income Tax Reduction due to Interest 81,914 Income Tax Conversion Factor 1,62674 Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,033,312 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues Appen		
Revenue Requirement Before Interest Deductibility	UOI Required	
Total ISRS Rate Base 10,399,203 Weighted Cost of Debt per GR-2010-0171 2.0445% Interest Deduction 212,612 Marginal Income Tax Rate 38.5272% Income Tax Reduction due to Interest 81,914 Income Tax Conversion Factor 1.62674 Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,393,812 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues Appendix B	Income Tax Conversion Factor	1.62674
Weighted Cost of Debt per GR-2010-0171 2.0445% Interest Deduction 212,612 Marginal Income Tax Rate 38.5272% Income Tax Reduction due to Interest 81,914 Income Tax Conversion Factor 1.62674 Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,393,812 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,653	Revenue Requirement Before Interest Deductibility	1,215,555
Weighted Cost of Debt per GR-2010-0171 2.0445% Interest Deduction 212,612 Marginal Income Tax Rate 38.5272% Income Tax Reduction due to Interest 81,914 Income Tax Conversion Factor 1.62674 Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,393,812 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,653	Total ISBS Bata Basa	10 300 203
Interest Deduction 212,612 Marginal Income Tax Rate 38.5272% Income Tax Reduction due to Interest 81,914 Income Tax Conversion Factor 1.62674 Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,393,812 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,653		
Marginal Income Tax Rate 38.5272% Income Tax Reduction due to Interest 81,914 Income Tax Conversion Factor 1.62674 Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,393,812 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,653	1 Table 1 → 1 Table 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Income Tax Reduction due to Interest 81,914 Income Tax Conversion Factor 1.62674 Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,393,812 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues Appendix B		
Revenue Requirement Impact of Interest Deductibility 133,252 Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,393,812 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,653	Income Tax Reduction due to Interest	
Total Revenue Requirement on Capital 1,082,303 Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,393,812 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues Appendix B	Income Tax Conversion Factor	1.62674
Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,393,812 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 22,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues Appendix B	Revenue Requirement Impact of Interest Deductibility	133,252
Depreciation Expense 349,488 Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,393,812 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 22,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues Appendix B	Total Pavenue Requirement on Capital	1 082 303
Net Property Taxes 1,550,079 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,393,812 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,653 Appendix B		
SRS Revenue Undercollection January 2014 through December 2015 411,941 Total Company ISRS Revenues 3,393,812 Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,653 Appendix B		
Total Staff Expected ISRS Revenues 3,058,744 Average of Company and Staff Recommendations 3,226,278 Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,653 Appendix B	ISRS Revenue Undercollection January 2014 through December 2015	
Average of Company and Staff Recommendations Cap (10% of Base Tariff Revenues in GR-2013-017 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap ISRS Revenue Undercollection January 2014 through December 2015 Appendix B Appendix B	Total Company ISRS Revenues	3,393,812
Cap (10% of Base Tariff Revenues in GR-2013-017 32,417,606 Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,653 Appendix B	Total Staff Expected ISRS Revenues	3,058,744
Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,653 Appendix B	Average of Company and Staff Recommendations	3,226,278
Less: Current Authorized Cumulative ISRS (29,526,894) Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,653 Appendix B	Can (10% of Base Tariff Revenues in GR-2013-017	32,417,606
Incremental ISRS - Up to the Cap 2,890,712 ISRS Revenue Undercollection January 2014 through December 2015 411,941 Proposed ISRS Revenues 3,302,653 Appendix B	5. 337	
ISRS Revenue Undercollection January 2014 through December 2015 Proposed ISRS Revenues 411,941 3,302,653 Appendix B		
Proposed ISRS Revenues 3,302,653 Appendix B		
	Proposed ISRS Revenues	
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ISRS Append: XB - Additions through Feb 2016

Laclede Gas Company ISRS Revenue Requirement Calculation

ISRS Activity:

Gas Utility Plant Projects - Main Replacements and Other Projects Extending Useful Life of	of Mains:
Work Orders Placed in Service	47 070 446
Gross Additions Deferred Taxes	17,272,446 (3,573,598)
Accumulated Depreciation	(308,546)
Noodinated Depresentation	(000,010)
Total Net	13,390,302
Gas Utility Plant Projects - Service Line Replacements and Insertion Projects:	
Work Orders Placed in Service	
Gross Additions	6,486,682
Deferred Taxes	(3,672,073)
Accumulated Depreciation	(673,838)
Total Net	2,140,771
Towns	2,110,111
Gas Utility Plant Projects - Regulator Stations:	
Work Orders Placed in Service	44.440
Gross Additions Deferred Taxes	11,148 (2,363)
Accumulated Depreciation	(514)
Noodiffulded Doproviduoti	(0.17
Total Net	8,271
Gas Utility Plant Projects - Main Relocations net of Reimbursements:	
Work Orders Placed in Service	
Gross Additions	2,078,606
Deferred Taxes	(442,415)
Accumulated Depreciation	(32,514)
Total Net	1,603,677
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Gas Utility Plant Projects - Main Reinforcements Related to Other ISRS Eligible Projects:	
Work Orders Placed in Service	
Gross Additions Deferred Taxes	-
Accumulated Depreciation	=
Total Net	
Increase in Accumulated Deferred Income Taxes and Accumulated Depreciation	
Associated with Eligible Infrastructure System Replacements which are included in a	
Currently Effective ISRS	
Total Incremental Accumulated Depreciation	(1,719,789)
Total Incremental Accumulated Deferred Taxes	(10,753,193)
Total ISRS Rate Base	4,670,038
Overall Rate of Return per GR-2010-0171	7.1855%
UOI Required	335,566
Income Tax Conversion Factor	1.62674
Revenue Requirement Before Interest Deductibility	545,878
Total ISRS Rate Base	4,670,038
Weighted Cost of Debt per GR-2010-0171	2.0445%
Interest Deduction	95,479
Marginal Income Tax Rate	38.5272%
Income Tax Reduction due to Interest	36,785
Income Tax Conversion Factor	1.62674 59,840
Revenue Requirement Impact of Interest Deductibility	39,040
Total Revenue Requirement on Capital	486,038
Depreciation Expense	866,115
Depreciation Expense Net Property Taxes	866,115 2,081,864
Depreciation Expense	866,115
Depreciation Expense Net Property Taxes	866,115 2,081,864
Depreciation Expense Net Property Taxes ISRS Revenue Undercollection January 2014 through December 2015 Total Company ISRS Revenues	866,115 2,081,864 729,715 4,163,731
Depreciation Expense Net Property Taxes ISRS Revenue Undercollection January 2014 through December 2015	866,115 2,081,864 729,715
Depreciation Expense Net Property Taxes ISRS Revenue Undercollection January 2014 through December 2015 Total Company ISRS Revenues	866,115 2,081,864 729,715 4,163,731

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Laclede Gas Company ISRS Revenue Requirement Calculation

ISRS Activity:

Gas Utility Plant Projects - Main Replacements and Other Projects Extending Useful Life of Work Orders Placed in Service	of Mains:
Gross Additions	19,810,002
Deferred Taxes	(3,573,598)
Accumulated Depreciation	(308,546)
Total Net	15,927,858
Gas Utility Plant Projects - Service Line Replacements and Insertion Projects: Work Orders Placed in Service	
Gross Additions	18,018,561
Deferred Taxes	(3,672,073)
Accumulated Depreciation	(673,838)
Total Net	13,672,650
Gas Utility Plant Projects - Regulator Stations: Work Orders Placed in Service	
Gross Additions	11,148
Deferred Taxes	(2,363)
Accumulated Depreciation	(514)
Total Net	8,271
Gas Utility Plant Projects - Main Relocations net of Reimbursements: Work Orders Placed in Service	
Gross Additions	2,078,606
Deferred Taxes	(442,415)
Accumulated Depreciation	(32,514)
Total Net	1,603,677
Gas Utility Plant Projects - Main Reinforcements Related to Other ISRS Eligible Projects:	
Work Orders Placed in Service	
Gross Additions	:E
Deferred Taxes	€5.
Accumulated Depreciation	
Total Net	-
Increase in Accumulated Deferred Income Taxes and Accumulated Depreciation Associated with Eligible Infrastructure System Replacements which are included in a Currently Effective ISRS	
Total Incremental Accumulated Depreciation	(1,719,789)
Total Incremental Accumulated Deferred Taxes	(10,753,193)
Total ISRS Rate Base	18,739,473
Overall Rate of Return per GR-2010-0171	7.1855%
UOI Required	1,346,525
Income Tax Conversion Factor	1.62674
Revenue Requirement Before Interest Deductibility	2,190,442
Total ISRS Rate Base	18,739,473
Weighted Cost of Debt per GR-2010-0171	2.0445%
Interest Deduction	383,129
Marginal Income Tax Rate	38.5272%
Income Tax Reduction due to Interest Income Tax Conversion Factor	147,609 1.62674
Revenue Requirement Impact of Interest Deductibility	240,121
Total Payanua Paguiyamant on Control	4 000 004
Total Revenue Requirement on Capital	1,950,321
Depreciation Expense Net Property Taxes	866,115 2,081,864
ISRS Revenue Undercollection January 2014 through December 2015	729,715
	17
Total Company ISRS Revenues	5.628.014
Total Company ISRS Revenues	5,628,014
Total Staff Expected ISRS Revenues	5,024,218
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Total Staff Expected ISRS Revenues	5,024,218

Copy of October 2016 ISRS Film w Oct Actuals MGE Staffed to order

Appendix A Page 2

Missouri Gas Energy ISRS Revenue Requirements Calculation

ISRS Activity:	ı	Total for SRS Filing
Gas Utility Plant ProjectsTotal -(RM) RSMo 393.1012: Work Orders Placed in Service: Replacement Mains, Services and Associated Valves and Regulators Deferred Taxes (Previous ISRS) Accumulated Depreciation (Previous ISRS)	\$	17,642,847 (2,148,408) (1,211,026)
Deferred Taxes (Current) Accumulated Depreciation (Current)		(4,362,339) (231,052)
Total ISRS Rate Base Pre-tax rate of return from S&A in GR-2014-0007	\$	9,690,022 9.75%
Total Revenue Requirement on Capital	\$	944,777
Depreciation Expense Property Taxes		632,098 0
Current ISRS Revenues	\$	1,576,875
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	appl	red :ed

Missouri Gas Energy ISRS Revenue Requirements Calculation

ISRS Activity:	ı	Total for SRS Filing
Gas Utility Plant ProjectsTotal -(RM) RSMo 393.1012: Work Orders Placed in Service:		
Replacement Mains, Services and Associated Valves and Regulators	\$	34,149,746
Deferred Taxes (Previous ISRS)		(2,148,408)
Accumulated Depreciation (Previous ISRS)		(1,211,026)
Deferred Taxes (Current)		(4,362,339)
Accumulated Depreciation (Current)	¥00.00	(231,052)
	10000	
Total ISRS Rate Base	\$	26,196,921
Pre-tax rate of return from S&A in GR-2014-0007		9.75%
Total Revenue Requirement on Capital	\$	2,554,200
Depreciation Expense	**	632,098
Property Taxes		002,000
1 Topolty Taxoo		•
Current ISRS Revenues	\$	3,186,298



Missouri Gas Energy ISRS Revenue Requirements Calculation

ISRS Activity:	I	Total for SRS Filing
Gas Utility Plant ProjectsTotal -(RM) RSMo 393.1012: Work Orders Placed in Service:		
Replacement Mains, Services and Associated Valves and Regulators	\$	10,120,590
Deferred Taxes (Previous ISRS)		(1,415,995)
Accumulated Depreciation (Previous ISRS)		(1,115,586)
Deferred Taxes (Current)		(2,535,006)
Accumulated Depreciation (Current)		(126,247)
Total ISRS Rate Base	\$	4,927,756
Pre-tax rate of return from S&A in GR-2014-0007		9.75%
Total Revenue Requirement on Capital	\$	480,456
Depreciation Expense		415,832
Under Collection of Previous ISRS		119,666
Property Taxes		910,663
Current ISRS Revenues	\$	1,926,617

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Missouri Gas Energy ISRS Revenue Requirements Calculation

ISRS Activity:	Total for ISRS Filling	
Gas Utility Plant ProjectsTotal -(RM) RSMo 393.1012: Work Orders Placed in Service: Replacement Mains, Services and Associated Valves and Regulators Deferred Taxes (Previous ISRS) Accumulated Depreciation (Previous ISRS)	\$	22,237,424 (1,415,995) (1,115,586)
Deferred Taxes (Current) Accumulated Depreciation (Current)	13-	(2,535,006) (126,247)
Total ISRS Rate Base Pre-tax rate of return from S&A in GR-2014-0007	\$	17,044,590 9.75%
Total Revenue Requirement on Capital Depreciation Expense Under Collection of Previous ISRS Property Taxes	\$	1,661,848 415,832 119,666 910,663
Current ISRS Revenues	\$	3,108,008