## Index to ISRS Appendices

Appendix A Schedule 1	Eligible Replacements (Current)
Appendix A Schedule 2	Accumulated Depreciation Roll Forward (GO-2015-0350)
Appendix A Schedule 3	Retirements
Appendix A Schedule 4	State or Federal Safety Requirement Codes and ISRS Statute Codes
Appendix B Schedule 1	Revenue Requirements
Appendix B Schedule 2	Depreciation Expense
Appendix B Schedule 3	Deferred Taxes (Current)
Appendix B Schedule 4	Deferred Taxes Roll Forward (GO-2015-0350)
Appendix B Schedule 5	Rate Design Current Period
Appendix B Schedule 6	Weighted Cost of Capital
Appendix B Schedule 7	Property Taxes
Appendix B Schedule 8	Tax Rate Calculation
Appendix B Attachment 1	ISRS Tariff Sheet
Appendix C Attachment 1	Customer Notice Examples
Appendix C Attachment 2	Current ISRS Web Site Information
Appendix C Attachment 3	Example Script for Call Center Employees
Appendix C Attachment 4	Sample Customer Bill

## Appendix A

- Schedule 1 Eligible Replacements (Current)
- Schedule 2 Accumulated Depreciation Roll Foward (GO-2015-0350)
- Schedule 3 <u>Retirements</u>
- Schedule 4 <u>State or Federal Safety Requirement Codes and ISRS Statute Codes</u>

ADDITIONS - MA	NN REPLACEMENTS, WE	EST DIVISION			Apr-16					
UTILITY ACCOUNT	PROJECT NUMBER	PROJECT DESCRIPTION	IN SERVICE DATE	ADDITION AMOUNT	MONTHS	MONTHLY DEPR RATE	ACCUMULATED DEPRECIATION	DEPRECIATION EXPENSE	ISRS STATUTE	STATE OR FEDERAL SAFETY REQUIREMENT
376			1 1				0.00	0.00		
		TOTALS - WEST DIVISION	-	0.00		-	0.00	0.00		
ADDITIONS - MA	IN REPLACEMENTS, SO	OUTHEAST MISSOURI DIVISION								
376							0.00	0.00		
		TOTALS - SOUTHEAST MISSOURI DIVISION	=	0.00		=	0.00	0.00		
ADDITIONS - MA	IN REPLACEMENTS, NO	DRTHEAST MISSOURI DIVISION								
376	8854-0402-15J26	Hannibal Cast Iron Replacement	Jan-16	1,365,720.85	4	0.0012750	6,965.18	20,895.53	а	A,C,K
376	8854-0402-14J95	Bowling Green Bare Main Replacement	Dec-15	697,327.35	5	0.0012750	4,445.46	10,669.11	а	A,K
		TOTALS - NORTHEAST MISSOURI DIVISION	=	2,063,048.20		-	11,410.64	31,564.64		
		TOTAL MAIN REPLACEMENT ADDITIONS	=	2,063,048.20		=	11,410.64	31,564.64		
ADDITIONS - SE	RVICE REPLACEMENTS	, WEST DIVISION								
380							0.00	0.00		
		TOTALS - WEST DIVISION	=	0.00		=	0.00	0.00		
ADDITIONS - SE	RVICE REPLACEMENTS	SOUTHEAST MISSOURI DIVISION								
380							0.00	0.00		
		TOTALS - SOUTHEAST MISSOURI DIVISION	-	0.00		-	0.00	0.00		
ADDITIONS - SE	RVICE REPLACEMENTS	NORTHEAST MISSOURI DIVISION								
380							0.00	0.00		
		TOTALS - NORTHEAST MISSOURI DIVISION	_	0.00		-	0.00	0.00		
		TOTAL SERVICE REPLACEMENT ADDITIONS	_	0.00		-	0.00	0.00		
ADDITIONS - ME	TER AND HOUSE REGU	LATOR REPLACEMENTS, WEST DIVISION								
381			Г			1 1	0.00	0.00	1	
		TOTALS - WEST DIVISION	<u> </u>	0.00			0.00	0.00	·	
			-			-				
	TER AND HOUSE REGU	LATOR REPLACEMENTS, SOUTHEAST MISSOURI DIVISION								
381							0.00	0.00		

APPENDIX A SCHEDULE 1 Eligible Replacements PAGE 1 OF 2

UTILITY			IN SERVICE	ADDITION		MONTHLY	ACCUMULATED	DEPRECIATION	ISRS	STATE OR FEDERAL
ACCOUNT	PROJECT NUMBER	PROJECT DESCRIPTION	DATE	AMOUNT	MONTHS	DEPR RATE	DEPRECIATION	EXPENSE	STATUTE	SAFETY REQUIREMENT
		TOTALS - SOUTHEAST MISSOURI DIVISION	=	0.00		-	0.00	0.00		
ADDITIONS - ME	TER AND HOUSE REGU	LATOR REPLACEMENTS, NORTHEAST MISSOURI DIVISION								
ADDITIONO ME		EATOR REFERENCE, NORTHEADT MIDDOURD DIVIDION								
381							0.00	0.00		
		TOTALS - NORTHEAST MISSOURI DIVISION		0.00			0.00	0.00		
		TOTALS - NORTHLAST MISSOURI DIVISION	=	0.00		=	0.00	0.00		
	TOTAL	METER AND HOUSE REGULATOR REPLACEMENT ADDITIONS	_	0.00		_	0.00	0.00		
						=				
		JLATOR STATION EQUIPMENT REPLACEMENTS, WEST DIVISIO	N							
ADDITIONS - ME	ASUREMENT AND REGU	JEATOR STATION EQUIPMENT REPLACEMENTS, WEST DIVISIO								
379							0.00	0.00		
		TOTALS - WEST DIVISION		0.00			0.00	0.00		
		TOTALS - WEST DIVISION	=	0.00		=	0.00	0.00		
ADDITIONS - ME	EASUREMENT AND REGU	JLATOR STATION EQUIPMENT REPLACEMENTS, SOUTHEAST I	MISSOURI DIVIS	ION						
							-			
379	8853-0403-14J40	New Millersville Odorizer	Nov-15	102,000.22	6	0.0026750	1,637.10	3,274.21	а	М
		TOTALS - SOUTHEAST MISSOURI DIVISION		102,000.22			1,637.10	3,274.21		
			=			=		- /		
ADDITIONS - ME	EASUREMENT AND REGU	JLATOR STATION EQUIPMENT REPLACEMENTS, NORTHEAST I	MISSOURI DIVIS	SION						
379							0.00	0.00		
	•		•	1		· .				
		TOTALS - NORTHEAST MISSOURI DIVISION	_	0.00		=	0.00	0.00		
τοτα		REGULATOR STATION EQUIPMENT REPLACEMENT ADDITIONS		102,000.22			1,637.10	3,274.21		
IUIA		CODENTIAL ON OTATION EQUILIMENT REPEACEMENT ADDITIONS		102,000.22		=	1,037.10	3,274.21		

2,165,048.42

13,047.74

34,838.85

TOTAL ISRS ELIGIBLE ADDITIONS

#### ADDITIONS - MAIN REPLACEMENTS, WEST DIVISION

#### Apr-16

	IAIN REPLACEMENTS,				Api-16					
UTILITY ACCOUNT	PROJECT NUMBER	PROJECT DESCRIPTION	IN SERVICE DATE	ADDITION AMOUNT	MONTHS	MONTHLY DEPR RATE	ACCUMULATED DEPRECIATION	DEPRECIATION EXPENSE	ISRS STATUTE	
37601	8852-0401-14J31	6" Relocation SR291 Harrisonvi	Mar-15	311,845.53	14	0.0012750	5,566.44	4,771.24	С	G
		TOTALS - WEST DIVISION	• <u>-</u>	311,845.53		-	5,566.44	4,771.24		
ITIONS - M	IAIN REPLACEMENTS, S	SOUTHEAST MISSOURI DIVISION								
37600	8853-0405-12011	072.3374.61 Hwy Ground Bed	Sep-14	9,817.11	20	0.0012750	250.34	150.20	а	A,B,D,E,K
37600	8853-0405-RECT	Replaced Bertrand Rectifier	Jun-14	3,026.59	23	0.0012750	88.75	46.31	a	E
37601	8853-0404-14204	NGF Mains	Sep-14	11,826.80	20	0.0012750	301.58	180.95	a	A,B,K
37601	8853-0404-14J84	Qulin Overpressure Prot	Mar-15	7,994.74	14	0.0012750	142.71	122.32	b	A
37602	8853-0403-14J25	Rpl Bore by Greenville Highsch	Sep-14	3,842.17	20	0.0012750	97.98	58.79	a	A,B,K
37602	8853-0403-14J60	Rplc Main Helen St. Chaffee	Aug-14	2,694.49	21	0.0012750	72.14	41.23	a	A,B,K
		TOTALS - SOUTHEAST MISSOURI DIVISION	۱ <u> </u>	39,201.90		-	953.50	599.80		
37601 37602	8854-0401-14304 8854-0401-12011	NGF Mains 097.3335.Ramsey	Oct-14 Sep-14	9,404.90 4,873.86	19 20	0.0012750	227.83 124.28	143.89 74.57	a a	A,B,K A,B
37602	8854-0402-12012	097.3336.Crescent	Sep-14	76,450.72	20	0.0012750	1,949.49	1,169.70	a	A,B,C,K
37602	8854-0402-13MB007	COUNTRY CLUB CAST REPL	Mar-15	48,444.06	14	0.0012750	864.73	741.19	a	A,B,C,K
37602	8854-0402-14404	NGF Mains	Jan-15	14,621.14	16	0.0012750	298.27	223.70	a	A,B,K
37602	8854-0402-14411	NGF Leak Mains	Jan-15	14,729.21	16	0.0012750	300.48	225.36	a	A,B,D,E,K
37602	8854-0402-14J10	N Science St Main Replacement	Oct-14	60,832.73	19	0.0012750	1,473.67	930.74	a	A,B,K
37602	8854-0402-14J26	Hannibal Cast Iron Replacement	May-15	1,583,698.65	12	0.0012750	24,230.59	24,230.59	a	A,C,K
		TOTALS - NORTHEAST MISSOURI DIVISION	۹ _	1,813,055.27		=	29,469.34	27,739.74		
		TOTAL MAIN REPLACEMENT ADDITIONS	s _	2,164,102.70		=	35,989.28	33,110.78		
ITIONS - S	ERVICE REPLACEMEN	TS, WEST DIVISION								
38000	8852-0401-14205	NGF Services	Sep-14	16,492.10	20	0.0041667	1,374.34	824.61	а	A,B,K
		TOTALS - WEST DIVISION	4	16,492.10			1,374.34	824.61		
			=			=				
		TS, SOUTHEAST MISSOURI DIVISION								
38000	8853-0403-14J29	HWY 61 Mondi Pipe Relocation	Sep-14	2,066.45	20	0.0041667	172.20	103.32	С	G,H
		TOTALS - SOUTHEAST MISSOURI DIVISION	• =	2,066.45		=	172.20	103.32		
ITIONS - S	ERVICE REPLACEMEN	TS. NORTHEAST MISSOURI DIVISION								
38000	8854-0402-14205	NGF Services	Sep-14	16,195.44	20	0.0041667	1,349.62	809.77	а	A,B,K
38000	8854-0403-14305	NGF Services	Oct-14	8,293.85	19	0.0041667	656.60	414.69	a	A,B,K
		TOTALS - NORTHEAST MISSOURI DIVISION		24,489.29			2.006.22	1,224.46		
				24,403.23		=	2,000.22	1,224.40		
		TOTAL SERVICE REPLACEMENT ADDITIONS	. –	43,047.84		_	3,552.76	2,152.39		

UTILITY	PROJECT NUMBER	R PROJECT DESCRIPTION	IN SERVICE DATE	ADDITION AMOUNT	MONTHS	MONTHLY DEPR RATE	ACCUMULATED	DEPRECIATION EXPENSE	ISRS	STATE OR FEDERAL SAFETY REQUIREMENT
			DATE	Amoon	Montho	DEIRIKATE	DEFICEORATION		OTATOLE	
ADDITIONS - N	METER AND HOUSE RE	EGULATOR REPLACEMENTS, WEST DIVISION								
38100	8852-0401-15106	NGF Res Meters/Loops/Regs	Apr-15	35,297.11	13	0.0018000	825.95	762.42	а	A,B
		TOTALS - WEST DIVISION	_	35,297.11		_	825.95	762.42		
						-				
ADDITIONS - M	METER AND HOUSE RE	EGULATOR REPLACEMENTS, SOUTHEAST MISSOURI DIVISION								
38100	8853-0403-14210	NGF Com Meters/Loops/Regs	Jun-14	2,970.56	23	0.0018000	122.98	64.16	а	A,B
38100	8853-0404-14210	NGF Com Meters/Loops/Regs	Jun-14	4,023.34	23	0.0018000	166.57	86.90	a	A,B
38100	8853-0403-15110	NGF Com Meters/Loops/Regs	Apr-15	3,259.42	13	0.0018000	76.27	70.40	а	A,B
38100	8853-0405-15110	NGF Com Meters/Loops/Regs	Apr-15	9,633.61	13	0.0018000	225.43	208.09	а	A,B
		TOTALS - SOUTHEAST MISSOURI DIVISION	_	19,886.93		_	591.25	429.55		
						_				
ADDITIONS - M	METER AND HOUSE RE	EGULATOR REPLACEMENTS, NORTHEAST MISSOURI DIVISION								
38100	8854-0403-14406	NGF Res Meters/Loops/Regs	lop 15	12,580.96	16	0.0018000	362.33	271.75		A,B
38100	8854-0403-14400	NGF Res Meters/Loops/Regs	Jan-15 Jan-15	11,735.35	16		337.98	253.48	a	A,B A.B
	1									.,_
		TOTALS - NORTHEAST MISSOURI DIVISION	=	24,316.31		=	700.31	525.23		
	τοτ	AL METER AND HOUSE REGULATOR REPLACEMENT ADDITIONS	_	79,500.35		=	2,117.51	1,717.20		
ADDITIONS - M	MEASUREMENT AND R	EGULATOR STATION EQUIPMENT REPLACEMENTS, WEST DIVIS	ION							
37900						0.0026750	0.00	0.00	1	1
	1		1				•			I
		TOTALS - WEST DIVISION	=	0.00		=	0.00	0.00		
ADDITIONS - M	MEASUREMENT AND R	EGULATOR STATION EQUIPMENT REPLACEMENTS, SOUTHEAS	T MISSOURI DIV	VISION						
37900	8853-0404-14J39	Poe Station Odorizer	Mar-15	102,355.11	14	0.0026750	3,833.20	3,285.60	а	М
		TOTALS - SOUTHEAST MISSOURI DIVISION		102,355.11			3,833.20	3,285.60		
			=	102,000.11		=	5,035.20	5,205.00		
		EGULATOR STATION EQUIPMENT REPLACEMENTS, NORTHEAS		VISION						
		EGULATOR STATION EQUIPMENT REPLACEMENTS, NORTHEAS	I WISSOURI DI	VISION						
37900						0.0026750	0.00	0.00		
		TOTALS - NORTHEAST MISSOURI DIVISION	_	0.00		-	0.00	0.00		
ΤΟΤΑΙ	L MEASUREMENT AND	REGULATOR STATION EQUIPMENT REPLACEMENT ADDITIONS	_	102,355.11		_	3,833.20	3,285.60		
		TOTAL ISRS ELIGIBLE ADDITIONS	=	2,389,006.00		=	45,492.75	40,265.97		
			_	2,000,000,000		=		.0,200.01		

**RETIREMENTS - MAIN REPLACEMENTS, WEST DIVISION** 

Apr-16

ACCOUNT 376	PROJECT NUMBER	PROJECT DESCRIPTION	RETIREMENT DATE	ADDITION AMOUNT	MONTHS	MONTHLY DEPR RATE	ACCUMULATED DEPRECIATION	DEPRECIATIO
	8852-0401-14J31	6" Relocation SR291 Harrisonville	Jul-15	(14,829.69)		0.0012750	(189.08)	(226.8
		TOTALS - WEST DIVISION	=	(14,829.69)			(189.08)	(226.8
TIREMENTS	- MAIN REPLACEMENTS	S. SOUTHEAST MISSOURI DIVISION						
376	8853-0405-RECT	Replaced Bertrand Rectifier	Jul-15	(440.88)	10	0.0012750	(5.62)	(6.
376	8853-0405-12011	072.3374.61 Hwy Ground Bed	Jul-15	(1,035.37)	10	0.0012750	(13.20)	(15.8
		TOTALS - SOUTHEAST MISSOURI DIVISION	=	(1,476.25)			(18.82)	(22.5
ETIREMENTS	- MAIN REPLACEMENTS	S, NORTHEAST DIVISION						
376	8854-0402-15J26	Hannibal Cast Iron Replacement	Jan-16	(11,160.97)	4		(56.92)	(170.
376	8854-0402-14J95	Bowling Green Bare Main Replacement	Jan-16	(2,069.01)	4		(10.55)	(31.
376	8854-0401-12011	097.3335.Ramsey	Jul-15	(137.44)	10		(1.75)	(2.
376	8854-0402-12012	097.3336.Crescent	Jul-15	(5,721.62)	10	0.0012750	(72.95)	(87.
		TOTALS - NORTHEAST MISSOURI DIVISION	=	(19,089.04)			(142.17)	(292.
		TOTAL MAIN REPLACEMENT RETIREMENTS	=	(35,394.98)			(350.07)	(541.
TIREMENTS	- SERVICE REPLACEME	ENTS, WEST DIVISION						
		TOTALS - WEST DIVISION	=	0.00			0.00	0.0
ETIREMENTS	- SERVICE REPLACEME	ENTS, SOUTHEAST DIVISION						
		TOTALS - SOUTHEAST DIVISION	=	0.00			0.00	0.0
ETIREMENTS	- SERVICE REPLACEME	INTS, NORTHEAST DIVISION						
TIREMENTS	- SERVICE REPLACEME	NTS, NORTHEAST DIVISION						

UTILITY			RETIREMENT	ADDITION		MONTHLY	ACCUMULATED	DEPRECIATION
ACCOUNT	PROJECT NUMBER	PROJECT DESCRIPTION	DATE	AMOUNT	MONTHS	DEPR RATE	DEPRECIATION	EXPENSE
		TOTALS - NORTHEAST DIVISION	-	0.00		:	0.00	0.00
		TOTAL SERVICE REPLACEMENT RETIREMENTS	-	0.00			0.00	0.00
			-					
ETIREMENTS	- METER AND HOUSE R	EGULATOR REPLACEMENTS, WEST DIVISION						
					<b>[</b>			
		TOTALS - WEST DIVISION	=	0.00	:	:	0.00	0.00
	- METER AND HOUSE R	EGULATOR REPLACEMENTS, SOUTHEAST DIVISION						
					<b>[</b>			
		TOTALS - SOUTHEAST DIVISION	=	0.00	1	:	0.00	0.0
ETIREMENTS	- METER AND HOUSE R	EGULATOR REPLACEMENTS, NORTHEAST DIVISION						
		TOTALS - NORTHEAST MISSOURI DIVISION		0.00			0.00	0.00
			=			:		
	TOTAL N	IETER AND HOUSE REGULATOR REPLACEMENT RETIREMENTS	=	0.00		:	0.00	0.00
DDITIONS - ME	EASUREMENT AND REG	ULATOR STATION EQUIPMENT REPLACEMENTS, WEST DIVISION	N					
379							0.00	0.00
		TOTALS - WEST DIVISION		0.00			0.00	
		TOTALS - WEST DIVISION	=	0.00		:	0.00	0.00
DDITIONS - ME	EASUREMENT AND REG	BULATOR STATION EQUIPMENT REPLACEMENTS, SOUTHEAST M	IISSOURI DIVISIO	<u>N0</u>				
379	8853-0403-14J40	New Millersville Odorizer	Nov-15	(3,997.56)		0.0026750	(64.16)	(128.32
379	8853-0404-14J39	Poe Station Oderizer	Jul-15	(9,131.31)	10	0.0026750	(244.26)	(293.12
		TOTALS - SOUTHEAST MISSOURI DIVISION		(13,128.87)			(308.42)	(421.44
			=					

ADDITIONS - MEASUREMENT AND REGULATOR STATION EQUIPMENT REPLACEMENTS, NORTHEAST MISSOURI DIVISION

UTILITY			RETIREMENT	ADDITION		MONTHLY	ACCUMULATED	DEPRECIATION
ACCOUNT	PROJECT NUMBER	PROJECT DESCRIPTION	DATE	AMOUNT	MONTHS	DEPR RATE	DEPRECIATION	EXPENSE
379							0.00	0.00
		TOTALS - NORTHEAST MISSOURI DIVISION		0.00	-		0.00	0.00
ΤΟΤΑ	L MEASUREMENT AND F	REGULATOR STATION EQUIPMENT REPLACEMENT ADDITIONS		(13,128.87)	=		(308.42)	(421.44)
		TOTAL ISRS ELIGIBLE RETIREMENTS		(48,523.85)	=		(658.49)	(962.98)

#### Legend for State or Federal Safety Requirements

Code	2	Regulatory Section Description	De
Α	393.130 RSMo	Safe and Adequate Service	Re
В	4 CSR 240-40.030(13)(B)	General Requirements for Maintenance	Re
С	4 CSR 240-40.030(15)	Replacement Programs	Re
D	4 CSR 240-40.030(14)	Gas Leaks	Re
			Re
Е	4 CSR 240-40.030(9)(T) and (U)	Corrosion Control	re
F	4 CSR 240-40.030(13)(Z)	Protecting or Replacing Disturbed Cast Iron Pipelines	Re
G	4 CSR 240-40.030(7)	Construction Requirements	Co
н	4 CSR 240-40.030(10)	Testing Requirements	Te
I	4 CSR 240-40.030(13)(Y)	Maintenance - Caulked Bell and Spigot Joints	Ins
J	4 CSR 240-40.030(16)	Gas Transmission Pipeline Integrity Management	Re
κ	4 CSR 240-40.030(17)	Gas Distribution Pipeline Integrity Management	Re
L	4 CSR 240-40.030(13)(S)(1)	Telemetering Requirement	Re
М	4 CSR 240-40.030(12)(P)(1)	Requirements for Odorization of Gas	Re
		•	

#### Description of Capital Expenditure Rehabilitation or Replacement

Replace, repair or remove unsafe pipeline segments Replace, repair or remove unsafe pipeline segments Replacement program requirements for certain pipelines Repair of system leaks through pipeline rehabilitation and replacements Remedial action in response to graphitizatio and corrosion through pipeline rehabilitation and replacements Replacement of cast iron pipelines where support has been disturbed

Contstruction expense associated with relocating and replacing pipelines Testing expense associated with relocating and replacing pipelines Install clamps and other sealing on exposed cast iron joints Replace, repair or remove unsafe transmission pipeline segments Replace, repair or remove unsafe distribution pipeline segments Replace worn out or deteriorated telemetry/SCADA equipment Replace worn out or deteriorated odorization equipment

> APPENDIX A SCHEDULE 4 PAGE 1 OF 2

## ISRS Statute 393.1009(5)

Mains, valves, service lines, regulator stations, vaults and other pipeline system components installed to comply with state or federal safety a) requirements as replacements for existing facilities that have worn out or are in deteriorated condition;

Main relining projects, service line insertion projects, joint encapsulation projects, and other similar projects extending the useful life or enhancing the b) integrity of pipeline system components undertaken to comply with state or federal safety requirements;

c) Facilities relocations required due to construction or improvement of a highway, road, street, public way, or other public work

## Appendix B

- Schedule 1 <u>Revenue Requirement Calculation</u>
- Schedule 2 Depreciation Expense
- Schedule 3 Deferred Taxes (Current)
- Schedule 4 Deferred Taxes Roll Forward (GO-2015-0350)
- Schedule 5 Rate Design
- Schedule 6 Capital Structure/Rate of Return for ISRS
- Schedule 7 Property Taxes
- Schedule 8 Tax Rate Calculation
- Attachment 1 ISRS Tariff Sheets

#### Liberty Utilities (Midstates Natural Gas) Corp d/b/a Liberty Utilities Missouri Jurisdiction ISRS Revenue Requirement Calculation

ISRS Activity:	Total Missouri	WEMO	SEMO	NEMO
Gas Utility Plant Projects - Main Replacements:				
Work Orders Placed in Service				
Gross Additions	\$2,063,048	\$0	\$0	\$2,063,048
Deferred Taxes	(236,222)	0	0	(236,222)
Deferred Taxes (GO-2015-0350) Accumulated Depreciation	(423,181) (11,411)	(66,365) 0	(1,959) 0	(354,857) (11,411)
Accumulated Depreciation Accumulated Depreciation (GO-2015-0350)	(22,074)	(3,181)	(400)	(11,411) (18,493)
	(22,011)	(0,101)	(100)	(10,100)
Total Net	1,370,161	(69,545)	(2,358)	1,442,065
Gas Utility Plant Projects - Service Line Replacements:				
Work Orders Placed in Service Gross Additions	0	0	0	0
Deferred Taxes	0	0	0	0
Deferred Taxes (GO-2015-0350)	28	16	1	11
Accumulated Depreciation	0	0	0	0
Accumulated Depreciation (GO-2015-0350)	(1,435)	(550)	(69)	(816)
Total Net	(1,407)	(534)	(68)	(806)
				<u> </u>
Gas Utility Plant Projects - Meter & House Regulator Replacements:				
Work Orders Placed in Service Gross Additions	0	0	0	0
Deferred Taxes	0	0	0	0
Deferred Taxes (GO-2015-0350)	(15,344)	(7,454)	(2,755)	(5,135)
Accumulated Depreciation	0	0	0	0
Accumulated Depreciation (GO-2015-0350)	(1,145)	(508)	(286)	(350)
Total Net	(16,489)	(7,962)	(3,041)	(5,485)
Gas Utility Plant Projects - Measurement & Regulator Station Equipment Replacements:				
Work Orders Placed in Service				
Gross Additions	102,000	-	102,000	0
Deferred Taxes	(20,909)	0	(20,909)	0
Deferred Taxes (GO-2015-0350)	(21,335)	0	(21,335)	0
Accumulated Depreciation	(1,637)	0	(1,637)	0
Accumulated Depreciation (GO-2015-0350)	(2,190)	0	(2,190)	0
Total Net	55,929	-	55,929	0
Total ISRS Rate Base	1,408,194	(78,041)	50,461	1,435,774
Overall Rate of Return per GR-2014-0152	7.22%	7.22%	7.22%	7.22%
UOI Required	101,654	(5,634)	3,643	103,645
Income Tax Conversion Factor	1.6410	1.6410	1.6410	1.6410
Revenue Requirement Before Interest Deductibility	166,817	(9,245)	5,978	170,084
Total ISRS Rate Base	1,408,194	(78,041)	50,461	1,435,774
Weighted Cost of Debt per GR-2014-0152				
Interest Deduction				
Marginal Income Tax Rate	39.06%	39.06%	39.06%	39.06%
Income Tax Reduction due to Interest Income Tax Conversion Factor	1.6410	1.6410	1.6410	1.6410
Revenue Requirement Impact of Interest Deductibility	1.0410	1.0410	1.0410	1.0410
Total Revenue Requirement on Capital				
Depreciation Expense	33,876	(227)	2,830	31,273
Property Taxes	32,250	4,064	2,410	25,777
Total Company ISRS Revenues (Current)	209,204	(4,093)	10,367	202,930

## Liberty Utilities (Midstates Natural Gas) Corp d/b/a Liberty Utilities Missouri Jurisdiction ISRS Depreciation Expense

Description	Additions Annual Depreciation	Retirements Annual Depreciation
Main Replacements	31,564.64	(541.54)
Service Replacements	0.00	0.00
Meter & House Regulator Replacements	0.00	0.00
Measurement & Regulator Station Equipment Replacements	3,274.21	(421.44)
TOTAL	34,838.85	(962.98)
Total Net Increase in Depreciation	33,875.87	

ADDITIONS - MAIN REPLACEMENTS, WEST DIVISION			Apr-16						2/1/2016	1/1/2016	4	12 months in year			
UTILITY	IN SERVICE		MONTHLY	ACCUMULATED	DEPRECIATION		YEAR 2ND YEA	R Total Bonus			Fiscal 2015 Tax	Fiscal 2016 Tax	Total Tax		Deferred Tax Assets / (Deferred
ACCOUNT PROJECT NUMBER PROJECT DESCRIPTION 376	DATE	AMOUNT	MONTHS DEPR RATE	DEPRECIATION 0.00	EXPENSE 0.00	Method MAC MACRS 15 5.0	RS % MACRS 9	6 Depr.	Tax Cost	Bonus Depr in Period	Depreciation -	Depreciation -	Depreciation -	Book and Tax Depr	Tax Liab.) -
TOTALS - WEST DIVISION		0.00		0.00	0.00				-	-	-		-		<u> </u>
ADDITIONS - MAIN REPLACEMENTS, SOUTHEAST MISSOURI DIVISION															
376				0.00	0.00	MACRS 15 5.0	9.500%	-	-	-		-	· · · · · ·	- 1	- [
TOTALS - SOUTHEAST MISSOURI DIVISION		0.00		0.00	0.00					-		-		-	
ADDITIONS - MAIN REPLACEMENTS, NORTHEAST MISSOURI DIVISION 376 8854-0402-15J26 Hannibal Cast iron Replacement	Jan-16	1.365.720.85	4 0.0012750	6.965.18	20,895.53	MACRS 15 5.0	9.500%	682.860	682.860	227,620		11.381	239,001	232,036	(90,639)
376 8854-0402-13220 Praintoar Cash for Replacement	Dec-15		5 0.0012750	4,445.46	10,669.11		9.500%			348,664	17,433		377,138	372,692	(145,583)
TOTALS - NORTHEAST MISSOURI DIVISION		2,063,048.20		11,410.64	31,564.64			1,031,524	1,031,524	576,284	17,433	22,422	616,139	604,728	(236,222)
TOTAL MAIN REPLACEMENT ADDITIONS		2,063,048.20		11,410.64	31,564.64			1,031,524	1,031,524	576,284	17,433	22,422	616,139	604,728	(236,222)
ADDITIONS - SERVICE REPLACEMENTS, WEST DIVISION															
380				0.00	0.00	MACRS 15 5.0	9.500%	-	-	-	-	-	-	-	-
TOTALS - WEST DIVISION		0.00		0.00	0.00										
TOTALS - WEST DIVISION		0.00		0.00	0.00					-	-	-	-		
ADDITIONS - SERVICE REPLACEMENTS, SOUTHEAST MISSOURI DIVISION															
380				0.00	0.00	MACRS 15 5.0	9.500%		-	-		-	-	-	- [
TOTALS - SOUTHEAST MISSOURI DIVISION		0.00		0.00	0.00			<u> </u>		-		-	-	-	<u> </u>
ADDITIONS - SERVICE REPLACEMENTS, NORTHEAST MISSOURI DIVISION															
380				0.00	0.00	MACRS 15 5.0	9.500%	-	-	-		-	-	-	- [
TOTALS - NORTHEAST MISSOURI DIVISION		0.00		0.00	0.00					-		-		-	
TOTAL SERVICE REPLACEMENT ADDITIONS		0.00		0.00	0.00					-		-		-	<u> </u>
ADDITIONS - METER AND HOUSE REGULATOR REPLACEMENTS, WEST DIVISION															
ADDITIONS - METER AND HOUSE REGULATOR REPLACEMENTS, WEST DIVISION	1			0.00	0.00	MACRS 15 5.0	00% 9.500%	-	-					- 1	- 1
TOTALS - WEST DIVISION		0.00		0.00	0.00			-	-	-	-	-	-	-	-
ADDITIONS - METER AND HOUSE REGULATOR REPLACEMENTS, SOUTHEAST MISSOURI DIVISION	r						0.001	- 1							
381 TOTALS - SOUTHEAST MISSOURI DIVISION		0.00		0.00	0.00	MACRS 15 5.0	9.500%	-	-	-		-	-	-	-
		0.00		0.00	0.00				-	-		-			
ADDITIONS - METER AND HOUSE REGULATOR REPLACEMENTS, NORTHEAST MISSOURI DIVISION															
381				0.00	0.00	MACRS 15 5.0	9.500%		-	-	-	-	-	-	-
TOTALS - NORTHEAST MISSOURI DIVISION		0.00		0.00	0.00					-		-		-	
TOTAL METER AND HOUSE REGULATOR REPLACEMENT ADDITIONS		0.00		0.00	0.00					-	-	-	-		<u> </u>
ADDITIONS - MEASUREMENT AND REGULATOR STATION EQUIPMENT REPLACEMENTS, WEST DIV	ISION														
379				0.00	0.00	MACRS 15 5.0	9.500%	-		-				-	- [
TOTALS - WEST DIVISION		0.00		0.00	0.00					-					
ADDITIONS - MEASUREMENT AND REGULATOR STATION EQUIPMENT REPLACEMENTS, SOUTHEA															
379 8853-0403-14J40 New Millersville Odorizer	Nov-15		6 0.0026750	1,637.10	3,274.21	MACRS 15 5.0	9.500%								(20,909)
TOTALS - SOUTHEAST MISSOURI DIVISION		102,000.22		1,637.10	3,274.21			51,000	51,000	51,000	2,550	1,615	55,165	53,528	(20,909)
ADDITIONS - MEASUREMENT AND REGULATOR STATION EQUIPMENT REPLACEMENTS, NORTHEA	ST MISSOURI	DIVISION													
379				0.00	0.00	MACRS 15 5.0	9.500%	-	-	-		-		-	- [
TOTALS - NORTHEAST MISSOURI DIVISION		0.00		0.00	0.00				<u> </u>	-					<u> </u>
TOTAL MEASUREMENT AND REGULATOR STATION EQUIPMENT REPLACEMENT ADDITIONS		102,000.22		1,637.10	3,274.21			51,000	51,000	51,000	2,550	1,615	55,165	53,528	(20,909)
TOTAL ISRS ELIGIBLE ADDITIONS		2,165,048.42		13,047.74	34,838.85			1,082,524	1,082,524	627,284	19,983	24,037	671,304	658,256	(257,131)

ADDITIONS - N	MAIN REPLACEMENTS, WEST DIVISION			Apr-16								2/1/2016	1/1/2016	12 months in year	12 months in year	4 months in period			
UTILITY	PROJECT DESCRIPTION	IN SERVICE DATE	ADDITION AMOUNT	MONTHS	MONTHLY DEPR RATE	ACCUMULATED	DEPRECIATION	Method	1ST YEAR MACRS %	2ND YEAR MACRS %	Total Bonus Depr.	Tax Cost	Bonus Depr in Period	Fiscal 2014 Tax Depreciation	Fiscal 2015 Tax Depreciation	Fiscal 2016 Tax Depreciation	Total Tax Depreciation	Difference Between Book and Tax Depr	Deferred Tax Assets / (Deferred Tax Liab.)
37601	6" Relocation SR291 Harrisonvi	Mar-15	311,845.53	14	0.0012750	5,566.44	4,771.24	MACRS 15	5.000%	9.500%	155,923	155,923	155,923	7,796	14,813	4,938	183,469	177,903	(69,493)
	TOTALS - WEST DIVISION		311,845.53		-	5,566.44	4,771.24			-	155,923	155,923	155,923	7,796	14,813	4,938	183,469	177,903	(69,493)
ADDITIONS - M	MAIN REPLACEMENTS, SOUTHEAST MISSOURI DIVISION																		
37600 37600	072.3374.61 Hwy Ground Bed	Sep-14	9,817.11 3.026.59	20	0.0012750	250.34 88.75	150.20 46.31	MACRS 15 MACRS 15		9.500% 9.500%	4,909	4,909	4,909 1,513	245 76	466 144	155	5,776 1,781	5,525	(2,158) (661)
37601	Replaced Bertrand Rectifier NGF Mains	Jun-14 Sep-14	11,826.80	23	0.0012750	301.58	180.95	MACRS 15	5.000%	9.500%	5,913	5,913	5,913	296	562	187	6,958	6,657	(2,600)
37601 37602	Qulin Overpressure Prot Rpl Bore by Greenville Highsch	Mar-15 Sep-14	7,994.74 3,842.17	14	0.0012750 0.0012750	142.71 97.98	122.32 58.79	MACRS 15 MACRS 15	5.000% 5.000%	9.500%	3,997 1,921	3,997 1,921	3,997 1,921	200	380 183	127 61	4,704 2,260	4,561 2,162	(1,782) (845)
37602	Rplc Main Helen St. Chaffee	Aug-14	2,694.49	20	0.0012750	72.14	41.23	MACRS 15		9.500%	1,347	1,347	1,347	67	128	43	1,585	1,513	(591)
	TOTALS - SOUTHEAST MISSOURI DIVISION		39,201.90			953.50	599.80				19,601	19,601	19,601	980	1,862	621	23,064	22,110	(8,637)
ADDITIONS - M	MAIN REPLACEMENTS, NORTHEAST MISSOURI DIVISION																		
37601	NGF Mains	Oct-14	9,404.90	19	0.0012750	227.83	143.89	MACRS 15	5.000%	9.500%	4,702	4,702	4,702	235	447	149	5,533	5,305	(2,072)
37602	097.3335.Ramsey 097.3336.Crescent	Sep-14 Sep-14	4,873.86	20	0.0012750	124.28	74.57	MACRS 15 MACRS 15	5.000%	9.500%	2,437	2,437 38,225	2,437 38,225	122 1.911	232 3.631	77	2,867	2,743	(1,072) (16,808)
37602	COUNTRY CLUB CAST REPL	Mar-15	48,444.06	14	0.0012750	864.73	741.19	MACRS 15	5.000%	9.500%	38,225 24,222	24,222	24,222	1,211	2,301	1,210 767	28,501	27,637	(10,796)
37602 37602	NGF Mains NGF Leak Mains	Jan-15 Jan-15	14,621.14 14,729.21	16	0.0012750 0.0012750	298.27 300.48	223.70 225.36	MACRS 15 MACRS 15	5.000% 5.000%	9.500% 9.500%	7,311 7,365	7,311 7,365	7,311 7,365	366 368	695 700	232	8,602 8,666	8,304 8,365	(3,244) (3,268)
37602	NGF Leak Mains N Science St Main Replacement	Oct-14	60,832.73	19		1,473.67	930.74	MACRS 15		9.500%	30,416	30,416	30,416	1,521	2,890	963	35,790	34,316	(13,405)
37602	Hannibal Cast Iron Replacement	May-15	1,583,698.65	12	0.0012750	24,230.59	24,230.59	MACRS 15	5.000%	9.500%	791,849	791,849	791,849	39,592	75,226	25,075	931,743	907,512	(354,497)
	TOTALS - NORTHEAST MISSOURI DIVISION		1,813,055.27		-	29,469.34	27,739.74			-	906,528	906,528	906,528	45,326	86,120	28,707	1,066,681	1,037,212	(405,161)
	TOTAL MAIN REPLACEMENT ADDITIONS	_	2,164,102.70		:	35,989.28	33,110.78			:	1,082,051	1,082,051	1,082,051	54,103	102,795	34,265	1,273,214	1,237,224	(483,291)
ADDITIONS - S	SERVICE REPLACEMENTS, WEST DIVISION																		
38000	NGF Services	Sep-14	16,492.10	20	0.0041667	1,374.34	824.61	MACRS 15	5.000%	9.500%	8,246	8,246	8,246	412	783	261	9,703	8,329	(3,253)
	TOTALS - WEST DIVISION		16,492.10			1,374.34	824.61				8,246	8,246	8,246	412	783	261	9,703	8,329	(3,253)
ADDITIONS - S	SERVICE REPLACEMENTS, SOUTHEAST MISSOURI DIVISION																		
	HWY 61 Mondi Pipe Relocation	Sep-14	2,066.45	20	0.0041667	172.20	402.22	MACDO 45	5.000%	0.5000/	1,033	1,033	1,033	52	98	33	1,216	1,044	(400)
38000	*	Sep-14		20	0.0041667		103.32	MACKS 15	5.000%	9.500%					98				(408)
	TOTALS - SOUTHEAST MISSOURI DIVISION	_	2,066.45		-	172.20	103.32			-	1,033	1,033	1,033	52	98	33	1,216	1,044	(408)
	SERVICE REPLACEMENTS, NORTHEAST MISSOURI DIVISION																		
38000	NGF Services NGF Services	Sep-14 Oct-14	16,195.44	20	0.0041667	1,349.62	809.77 414.69	MACRS 15 MACRS 15		9.500%	8,098	8,098 4,147	8,098 4,147	405 207	769 394	256	9,528 4,880	8,179 4,223	(3,195) (1,650)
30000		00114	0,000.00	18	0.0041007			WHORS IS	3.000 %	3.300 %					·				
	TOTALS - NORTHEAST MISSOURI DIVISION		24,489.29		-	2,006.22	1,224.46			-	12,245	12,245	12,245	612	1,163	388	14,408	12,402	(4,844)
	TOTAL SERVICE REPLACEMENT ADDITIONS		43,047.84		:	3,552.76	2,152.39			:	21,524	21,524	21,524	1,076	2,045	682	25,326	21,774	(8,505)
	METER AND HOUSE REGULATOR REPLACEMENTS, WEST DIVIS										·								
38100	NGF Res Meters/Loops/Regs	Apr-15	35,297.11	13	0.0018000	825.95	762.42	MACRS 15	5.000%	9.500%	17,649	17,649	17,649	882	1,677	559	20,766	19,941	(7,789)
	TOTALS - WEST DIVISION	_	35,297.11		-	825.95	762.42			-	17,649	17,649	17,649	882	1,677	559	20,766	19,941	(7,789)
ADDITIONS - M	METER AND HOUSE REGULATOR REPLACEMENTS, SOUTHEAS	T MISSOURI DIVI	SION																
38100	NGF Com Meters/Loops/Regs	Jun-14	2,970.56	23	0.0018000	122.98	64.16	MACRS 15		9.500%	1,485	1,485	1,485	74	141	47	1,748	1,625	(635)
38100 38100	NGF Com Meters/Loops/Regs NGF Com Meters/Loops/Regs	Jun-14 Apr-15	4,023.34 3,259.42	23	0.0018000	166.57 76.27	86.90 70.40	MACRS 15 MACRS 15		9.500% 9.500%	2,012	2,012	2,012	101 81	191 155	64 52	2,367	2,200	(860) (719)
38100	NGF Com Meters/Loops/Regs	Apr-15	9,633.61	13	0.0018000	225.43	208.09	MACRS 15	5.000%	9.500%	4,817	4,817	4,817	241	458	153	5,668	5,442	(2,126)
	TOTALS - SOUTHEAST MISSOURI DIVISION		19,886.93		-	591.25	429.55			-	9,943	9,943	9,943	497	945	315	11,700	11,109	(4,339)
ADDITIONS - N	METER AND HOUSE REGULATOR REPLACEMENTS, NORTHEAS	T MISSOURI DIVI	SION																
38100 38100	NGF Res Meters/Loops/Regs NGF Com Meters/Loops/Regs	Jan-15 Jan-15	12,580.96	16	0.0018000	362.33 337.98	271.75 253.48	MACRS 15 MACRS 15		9.500%	6,290 5,868	6,290 5,868	6,290 5.868	315 293	598 557	199 186	7,402	7,039	(2,750) (2,565)
30100	TOTALS - NORTHEAST MISSOURI DIVISION	Jair-13	24,316.31	10	0.0010000	700.31	525.23	WHENG 15	3.000 %	9.300 /8	12,158	12,158	12,158	608	1,155	385	14,306	13,606	(5,315)
TOTAL	METER AND HOUSE REGULATOR REPLACEMENT ADDITIONS		79,500.35		-	2,117.51	1,717.20			-	39,750	39,750	39,750	1,988	3,776	1,259	46,773	44,655	(17,443)

UTILITY ACCOUNT ADDITIONS - ME	PROJECT DESCRIPTION EASUREMENT AND REGULATOR STATION EQUIPMENT REPLA	IN SERVICE DATE CEMENTS, WE	ADDITION AMOUNT ST DIVISION	MONTHS	MONTHLY DEPR RATE	ACCUMULATED DEPRECIATION	DEPRECIATION EXPENSE	Method	1ST YEAR MACRS %	2ND YEAR MACRS %	Total Bonus Depr.	Tax Cost	Bonus Depr in Period	Fiscal 2014 Tax Depreciation	Fiscal 2015 Tax Depreciation	Fiscal 2016 Tax Depreciation	Total Tax Depreciation	Difference Between Book and Tax Depr	Deferred Tax Assets / (Deferred Tax Liab.)
37900					0.0026750	0.00	0.00	MACRS 15	5.000%	9.500%	-	-	-	-	-	1	-	-	-
	TOTALS - WEST DIVISION	_	0.00	_	-	0.00	0.00				-		-	-			-	-	
ADDITIONS - ME	EASUREMENT AND REGULATOR STATION EQUIPMENT REPL/	CEMENTS, SO	UTHEAST MISSOU	JRI DIVISION															
37900	Poe Station Odorizer	Mar-15	102,355.11	14	0.0026750	3,833.20	3,285.60	MACRS 15	5.000%	9.500%	51,178	51,178	51,178	2,559	4,862	1,621	60,219	56,386	(22,026)
	TOTALS - SOUTHEAST MISSOURI DIVISION	-	102,355.11	=	=	3,833.20	3,285.60				51,178	51,178	51,178	2,559	4,862	1,621	60,219	56,386	(22,026)
ADDITIONS - ME	EASUREMENT AND REGULATOR STATION EQUIPMENT REPLA	CEMENTS, NO	RTHEAST MISSO	JRI DIVISION															
37900					0.0026750	0.00	0.00	MACRS 15	5.000%	9.500%	-	-	-	-	-		-	-	-
	TOTALS - NORTHEAST MISSOURI DIVISION	=	0.00	=	=	0.00	0.00				-	-	-		-			-	
EMENT AND RE	GULATOR STATION EQUIPMENT REPLACEMENT ADDITIONS	-	102,355.11	=	=	3,833.20	3,285.60				51,178	51,178	51,178	2,559	4,862	1,621	60,219	56,386	(22,026)
	TOTAL ISRS ELIGIBLE ADDITIONS	_	2,389,006.00	<u> </u>	-	45,492.75	40,265.97				1,194,503	1,194,503	1,194,503	59,725	113,478	37,826	1,405,532	1,360,039	(531,265)

## Liberty Utilities (Midstates Natural Gas) Corp d/b/a Liberty Utilities Missouri Jurisdiction ISRS Current Period Rate Design

ISRS Revenues Northeast District (NEMO) Southeast District (SEMO) West District (WEMO)	Current ISRS \$209,204 202,930 10,367 (4,093)		<b>GO-2015-0350</b> <b>\$261,395</b> 202,463 14,779 44,153		<b>Total</b> <b>\$470,599</b> 405,393 25,146 40,060		
			Ratio to Residential	Weighted		Monthly	
	Number of	Customer	Customer	Customer	Customer	ISRS	Annual ISRS
Rate District & Class	Customers	Charge	Charge	Numbers	Percentage	Charge	Revenues
Northeast District		0			0	0	
Firm Residential	15,857	20.00	1.0000	15,857	69.2629%	1.48	\$280,787
Small Firm GS	2,101	28.26	1.4130	2,969	12.9672%	2.09	52,568
Medium Firm GS	293	124.60	6.2300	1,825	7.9732%	9.19	32,323
Large Firm GS	70	623.01	31.1505	2,181	9.5245%	45.97	38,612
Interruptible Large Volume	2	623.01	31.1505	62	0.2721%	45.97	1,103
Total NEMO	18,323			22,894	100.0000%		\$405,393
Southeast District							
Firm Residential	27,677	13.75	1.0000	27,677	61.3359%	0.05	\$15,423
Small Firm GS	3,237	17.46	1.2698	4,110	9.1092%	0.06	2,291
Medium Firm GS	454	126.99	9.2356	4,193	9.2922%	0.43	2,337
Large Firm GS	193	634.95	46.1782	8,912	19.7510%	2.14	4,967
Interruptible Large Volume	5	634.95	46.1782	231	0.5117%	2.14	129
Total SEMO	31,566			45,124	100.0000%		\$25,146
West District							
Firm Residential	3,253	20.00	1.0000	3,253	77.1937%	0.79	\$30,924
Small Firm GS	525	23.80	1.1900	625	14.8253%	0.94	5,939
Medium Firm GS	37	118.01	5.9005	218	5.1807%	4.67	2,075
Large Firm GS	4	590.03	29.5015	118	2.8003%	23.37	1,122
Interruptible Large Volume	0	590.03	29.5015	0	0.0000%	0.00	0
Total WEMO	3,819			4,214	100.0000%		\$40,060
Total Missouri	53,708			72,232	100.0000%		\$470,599

NOTE: Number of Customers by Rate District and Class from 2014 Annual Report

## Liberty Utilities (Midstates Natural Gas) Corp d/b/a Liberty Utilities Missouri Jurisdiction ISRS Weighted Average Cost of Capital\*



\*per Rate Case GR-2014-0152

APPENDIX B SCHEDULE 6 Weighted Cost of Capital PAGE 1 of 1 \*\*NP\*\*

## Liberty Utilities (Midstates Natural Gas) Corp d/b/a Liberty Utilities Missouri Jurisdiction ISRS Property Taxes Ending December 31, 2015

			2015 Rendered	%age in Rate	ISRS Property
Rate Div	Division Number	Rate	Property	Division	Taxes
NEMO	8854	1.01%	38,775,525	79.17%	
NEMO	8857	1.36%	10,201,676	20.83%	
NEMO	8854 Blended Rate	1.08%	48,977,201	100.00%	\$25,777.01
WEMO	8852	1.17%	8,333,797	100.00%	\$4,063.58
SEMO	8853	1.07%	67,859,556	100.00%	\$2,409.62
				-	\$32,250.21

The above rendered property equals the plant in service used for the 2015 property tax returns (plant in service is as of 12/31/2014). The tax rates calculated in cells D6, D7, D9, D10 compare (ratio) the plant in service with the actual 2015 calendar year property taxes.

#### ADDITIONS - MAIN REPLACEMENTS, WEST DIVISION

UTILITY ACCOUNT	PROJECT NUMBER	PROJECT DESCRIPTION	IN SERVICE DATE	ADDITION AMOUNT	Property Tax Rate	Property Taxes
376	8852-0401-14J31	6" Relocation SR291 Harrisonvi	Mar-15	311,845.53	1.17%	3,650.40
		TOTALS - WEST DIVISION	=	311,845.53		3,650.40
ADDITIONS -	MAIN REPLACEMENTS	, SOUTHEAST MISSOURI DIVISION				
376	8853-0404-14J84	Qulin Overpressure Prot	Mar-15	7,994.74	1.07%	85.53
570	0000-0404-14004		101-15	7,334.74	1.07 /0	

TOTALS - SOUTHEAST MISSOURI DIVISION	7,994.74	85.53

#### ADDITIONS - MAIN REPLACEMENTS, NORTHEAST MISSOURI DIVISION

376	8854-0402-14J95	Bowling Green Bare Main Replacement	Dec-15	697,327.35	1.08%	7,542.59
376	8854-0402-13MB007	COUNTRY CLUB CAST REPL	Mar-15	48,444.06	1.08%	523.99
376	8854-0402-14404	NGF Mains	Jan-15	14,621.14	1.08%	158.15
376	8854-0402-14411	NGF Leak Mains	Jan-15	14,729.21	1.08%	159.32
376	8854-0402-14J26	Hannibal Cast Iron Replacement	May-15	1,583,698.65	1.08%	17,129.95

UTILITY			IN SERVICE	ADDITION		
ACCOUNT	PROJECT NUMBER	PROJECT DESCRIPTION	DATE	AMOUNT	Property Tax Rate	Property Taxes
		TOTALS - NORTHEAST MISSOURI DIVISION	-	2,358,820.41		25,514.00
		TOTAL MAIN REPLACEMENT ADDITIONS		2,678,660.68		29,249.93
		TOTAL MAIN REPLACEMENT ADDITIONS	=	2,078,000.08		29,249.93
ADDITIONS -	SERVICE REPLACEM	ENTS, WEST DIVISION				
	-					
380					1.17%	0.00
		TOTALS - WEST DIVISION		0.00		0.00
		TOTALS - WEST DIVISION	=	0.00		0.00
ADDITIONS -	SERVICE REPLACEM	ENTS, SOUTHEAST MISSOURI DIVISION				
	1					
380					1.07%	0.00
		TOTALS - SOUTHEAST MISSOURI DIVISION		0.00		0.00
			=	0.00		0.00
ADDITIONS -	SERVICE REPLACEM	ENTS, NORTHEAST MISSOURI DIVISION				
200	T		<u>т т</u>		1.08%	0.00
380					1.08%	0.00
		TOTALS - NORTHEAST MISSOURI DIVISION		0.00		0.00
			=			
		TOTAL SERVICE REPLACEMENT ADDITIONS	_	0.00		0.00
			-			
ADDITIONS -	METER AND HOUSE	EGULATOR REPLACEMENTS, WEST DIVISION				
381	8852-0401-15106	NGF Res Meters/Loops/Regs	Apr-15	35,297.11	1.17%	413.18
			7.01	00,20111	,	
		TOTALS - WEST DIVISION	-	35,297.11		413.18
		EGULATOR REPLACEMENTS, SOUTHEAST MISSOURI DIVISION				
	WEIER AND HUUSE	EGULATOR REFLACEMENTS, SOUTHEAST MISSOURI DIVISION				
381	8853-0403-15110	NGF Com Meters/Loops/Regs	Apr-15	3,259.42	1.07%	34.87
381	8853-0405-15110	NGF Com Meters/Loops/Regs	Apr-15	9,633.61	1.07%	103.06

UTILITY ACCOUNT	PROJECT NUMBER	PROJECT DESCRIPTION	IN SERVICE DATE	ADDITION AMOUNT	Property Tax Rate	Property Taxes
ACCOUNT	PROJECT NUMBER	TOTALS - SOUTHEAST MISSOURI DIVISION	DATE	12,893.03	Property Tax Rate	137.93
			=	12,095.05		137.95
ADDITIONS -	METER AND HOUSE RI	EGULATOR REPLACEMENTS, NORTHEAST MISSOURI DIVISION				
381	8854-0403-14406	NGF Res Meters/Loops/Regs	Jan-15	12,580.96	1.08%	136.08
381	8854-0403-14410	NGF Com Meters/Loops/Regs	Jan-15	11,735.35	1.08%	126.93
		TOTALS - NORTHEAST MISSOURI DIVISION	=	24,316.31		263.0
	тс	DTAL METER AND HOUSE REGULATOR REPLACEMENT ADDITIONS	=	72,506.45		814.1
ADDITIONS -	MEASUREMENT AND R	REGULATOR STATION EQUIPMENT REPLACEMENTS, WEST DIVISIO	<u>N</u>			
					1.17%	0.00
					,	0.0
		TOTALS - WEST DIVISION	=	0.00	:	0.0
		REGULATOR STATION EQUIPMENT REPLACEMENTS, SOUTHEAST N			4.070(	4 004 4
379	8853-0403-14J40	New Millersville Odorizer	Nov-15	102,000.22	1.07%	1,091.18
379	8853-0404-14J39	Poe Station Odorizer	Mar-15	102,355.11	1.07%	1,094.9
		TOTALS - SOUTHEAST MISSOURI DIVISION	=	204,355.33	:	2,186.1
DDITIONS -	MEASUREMENT AND R	REGULATOR STATION EQUIPMENT REPLACEMENTS, NORTHEAST M	AISSOURI DIVI	SION		
					1.08%	0.0
		TOTALS - NORTHEAST MISSOURI DIVISION	=	0.00		0.0
то	TAL MEASUREMENT A	ND REGULATOR STATION EQUIPMENT REPLACEMENT ADDITIONS	=	204,355.33		2,186.1
		TOTAL ISRS ELIGIBLE ADDITIONS	=	2,955,522.46	:	32,250.2

#### Liberty Utilities (Midstates Natural Gas) Corp d/b/a Liberty Utilities Missouri Jurisdiction ISRS Tax Rate Calculation

Line	Jurisdiction:	Missouri
1	Test Period Ending:	September 30, 2013
2		
3		
4	Tax Rate	
5	Federal:	35.00%
6	State:	6.25%
7	Composite Factor:	39.06%
8		
9		
10		
11	Revenue Gross-Up Factor for inc tax	1.64103

APPENDIX B SCHEDULE 8 Tax Rate Calculation PAGE 1 of 1 FORM NO. 13 P.S.C. MO. No. 2

Canceling P.S.C. MO. No. 2

## Liberty Utilities (Midstates Natural Gas) Corp. d/b/a Liberty Utilities

9<sup>th</sup> Revised SHEET NO. 19

8<sup>th</sup> Revised SHEET NO. 19

FOR – All Areas

Name of Issuing Corporation

**Community, Town or City** 

## SCHEDULE OF RATES

### INFRASTRUCTURE SYSTEM REPLACEMENT SURCHARGE ("ISRS")

<u>Description</u>: The ISRS is designed to recover the costs associated with the Company's eligible infrastructure replacements in accordance with the provisions of Sections 393.1009 to 393.1015, RSMo.

<u>Applicability:</u> In addition to the other charges provided for in the Company's tariff, a monthly ISRS shall be added to each customer's bill for service rendered on and after the effective date of the ISRS.

<u>Schedule of Surcharges:</u> The amount of the ISRS by rate schedule is as follows:

		Per Bill Per Mont	: <u>h</u>
Type of Service	West	Southeast	Northeast
Residential Firm Service	0.79	0.05	1.48
Small Firm General Service	0.94	0.06	2.09
Medium Firm General Service	4.67	0.43	9.19
Large Firm General Service	23.37	2.14	45.97
Interruptible Large Volume Service	0.00	2.14	45.97

DATE OF ISSUE: February 19, 2016 month day year

ISSUED BY: <u>Christopher D. Krygier</u> name of officer

Director, Regulatory & Govt. Affairs title

DATE EFFECTIVE: <u>March 20, 2016</u> month day year

> Jackson, MO address

> > APPENDIX B ATTACHMENT 1 PAGE 1 OF 1

## Appendix C

- Attachment 1 Customer Notice Examples
- Attachment 2 Current ISRS Web Site Information
- Attachment 3 Example Script for Call Center Employees
- Attachment 4 Sample Customer Bill

### **INITIAL NOTICE**

ISRS

Each year, your local natural gas utility spends millions of dollars on its extensive pipeline facilities used to deliver natural gas to its customers. The infrastructure system replacement surcharge (ISRS) covers only a part of the expenses that the Company must incur to maintain and upgrade its system and to relocate facilities in connection with local, state and federal public improvement projects and safety requirements. In general the ISRS charge to cover these costs is smaller for residential customers, while larger users in other customer classes are charged a greater amount. The amount of the charge may be adjusted periodically, and is being implemented in accordance with Sections 393.1009, 393.1012 and 393.1015 of the Revised Statutes of Missouri. Liberty Utilities filed seeking to recover \$405,393 in the Northeast District, \$25,146 in the Southeast District, and \$40,060 in the West District.

#### ANNUAL NOTICE

ISRS

Each year, your local natural gas utility spends millions of dollars on its extensive pipeline facilities used to deliver natural gas to its customers. The infrastructure system replacement surcharge (ISRS) covers only a part of the expenses that the Company must incur to maintain and upgrade its system and to relocate facilities in connection with local, state and federal public improvement projects and safety requirements. In general the ISRS charge to cover these costs is smaller for residential customers, while larger users in other customer classes are charged a greater amount. The amount of the charge, which is reflected on the front of your bill, may be adjusted periodically, and has been implemented in accordance with Sections 393.1009, 393.1012 and 393.1015 of the Revised Statutes of Missouri. Liberty Utilities filed seeking to recover \$405,393 in the Northeast District, \$25,146 in the Southeast District, and \$40,060 in the West District.

APPENDIX C ATTACHMENT 1 Page 1 of 1



Home | Safety | About Us | Sign In | Contact Us | Pay Your Bill

My Account | For My Home | For My Business | For Business Partners | Save Energy & Money

#### My Account

Account Services and Support

#### **Billing and Payment**

View and Pay Your Bill with e-Bill

Convenient Payment Options

Liberty Utilities Walk-In Payment Locations

Billing Programs

Bill Inserts

Why Your Gas Bill May Vary

How To Read Your Gas Bill How to Avoid Estimated Bills

**Bill Assistance** 

Meter Reading

**Energy Saving Resources** 

Energy Assistance Agencies

Home | Privacy Policy | Site Map | Careers | Liberty Utilities

## How To Read Your Gas Bill

Liberty Utilities wants our customers to understand their energy charges. Learn how to read your bill.



Welcome to Liberty Utilities, Click here to learn more about us.

FAQs about Billing & Payment

© 2012- 2015 Liberty Utilities

APPENDIX C ATTACHMENT 2 Page 1 of 3



Home | Safety | About Us | Sign In | Contact Us | Pay Your Bill

My Account | For My Home | For My Business | For Business Partners | Save Energy & Money



#### My Account

#### Account Services and Support

#### **Billing and Payment**

View and Pay Your Bill with e-Bill

Convenient Payment Options

Liberty Utilities Walk-In Payment Locations

Billing Programs

#### Bill Inserts

Why Your Gas Bill May Vary

How To Read Your Gas Bill

How to Avoid Estimated Bills

#### **Bill Assistance**

Meter Reading

- **Energy Saving Resources**
- **Energy Assistance Agencies**

## **Bill Inserts**

#### November 2015

- Flammable Materials (Iowa, Illinois & Missouri)
- Missouri ISRS Customer Notice (Missouri)
- Iowa Customer Notice (Iowa)

#### October 2015

- Help keep your neighbors warm this winter (Iowa, Illinois & Missouri)
- <u>Missouri ISRS Customer Notice</u> (Missouri)

#### September 2015

<u>Damage Prevention Awareness</u> (Iowa, Illinois & Missouri)

#### August 2015

If You Smell Natural Gas (Iowa, Illinois & Missouri)

#### July 2015

NO CO (Carbon Monoxide) (Iowa, Illinois & Missouri)

#### June 2015

Welcome & Customer Information (Iowa, Illinois & Missouri)

#### May 2015

Damage Prevention Awareness (lowa, Illinois & Missouri)

#### April 2015

- Energize Liberty Utility Homes (Missouri)
- <u>Iowa Customer Message</u> (Iowa)
- Flammable Materials (Illinois)

#### March 2015

 Managing Home Energy Use Natural Gas Safety, What Natural Gas Smells Like (Iowa, Illinois & Missouri)

#### January 2015

 If You Smell Natural Gas (lowa, Illinois & Missouri)



Welcome to Liberty Utilities Click here to learn more about us.

FAQs about Billing & Payment

#### Archived Bill Inserts

© 2012- 2016 Liberty Utilities APPENDIX C ATTACHMENT 2 Page 2 of 3

Home | Privacy Policy | Site Map | Careers | Liberty Utilities



Home | Safety | About Us | Sign In | Contact Us | Pay Your Bill

My Account | For My Home | For My Business | For Business Partners | Save Energy & Money



#### Save Energy & Money

Convert to Natural Gas

Save on Energy Bills

Energy Efficiency Incentives

Locate an Authorized Natural Gas Dealer

#### Gas Rates & Tariffs

#### Illinois

lowa

#### Missouri

Natural Gas Prices

## Natural Gas Rates & Tariffs for Missouri

#### **Rate Schedules**

- Residential Firm Service
- Economic Development Service
- Interruptible Large Volume Service
- Small Firm General Service
- Medium Firm General Service
- Large Firm General Service

#### Tariffs

- Missouri Tariff (August 7, 2012)
- Operating Statement (May 1, 2012)



Welcome to Liberty Utilities. Click here to learn more about us.

PGA History (PDF)

Home | Privacy Policy | Site Map | Careers | Liberty Utilities

© 2012- 2015 Liberty Utilities

APPENDIX C ATTACHMENT 2 Page 3 of 3

## CALL CENTER INSTRUCTIONS ON ISRS

What is the ISRS charge on my bill?

The infrastructure system replacement surcharge (ISRS) is a set, monthly charge that covers only part of the expenses that the Company must incur to maintain and upgrade its system and to relocate facilities in connection with local, state, and federal public improvement projects and safety requirements. In general, the ISRS charge to cover these costs is smaller for residential customers, while larger users in other customer classes are charged a greater amount.

ISRS rates always start at -0- when Liberty Utilities finishes a rate case. Upon resolution of the Company's rate case in January 2015, the monthly ISRS was reset to -0- and costs for the facilities that were part of the previous ISRS were incorporated into the Company's overall rates.

The costs for natural gas customers' pipeline replacement and/or relocations contained in the Company's ISRS filings are not currently included in Liberty Utilities' base rates.

In June 2015, the Company filed its first ISRS since the rate case and new ISRS rates became effective in October 2015. In February 2016, Liberty Utilities filed an application to change its ISRS to reflect additional investments covering the period from June 1, 2015 through January 31, 2016.

The ISRS covers the costs for:

- Replacing worn out or deteriorated pipes or other parts of our pipeline system to comply with federal or state safety requirements
- Projects that extend the useful life or enhance the integrity of pipeline components.
- Relocating facilities required by governmental entities in connection with public improvement projects such as street or highway widening.

The ISRS does NOT apply to:

- Costs for privately funded projects where Liberty Utilities is reimbursed by other parties. These costs are not included in the ISRS charge nor are they being recovered from Liberty Utilities customers.
- Costs incurred to build infrastructure that directly connects to new customers who will be billed for service.

When a new ISRS is established, the first ISRS bill for each customer will contain a bill message known as the Initial Notice, and the illustrative example is set forth below:

"Each year, your local natural gas utility spends millions of dollars on its extensive pipeline facilities used to deliver natural gas to its customers. The infrastructure system replacement surcharge (ISRS) covers only a part of the expenses that the Company must incur to maintain and upgrade its system and to relocate facilities in connection with local, state and federal public improvement projects and safety requirements. In general the ISRS charge to cover these costs is smaller for residential customers, while larger users in other customer classes are charged a greater amount. The amount of the charge may be adjusted periodically, and is being implemented in accordance with Sections 393.1009, 393.1012 and 393.1015 of the Revised Statutes of Missouri. Liberty Utilities filed seeking to recover \$405,393 in the Northeast District, \$25,146 in the Southeast District, and \$40,060 in the West District."

Here are the new rates as filed for the various customer classes in the respective rate districts:

		Per Bill Per Mo	<u>onth</u>
Type of Service	West	Southeast	Northeast
Residential Firm Service	0.79	0.05	1.48
Small Firm General Service	0.94	0.06	2.09
Medium Firm General Service	4.67	0.43	9.19
Large Firm General Service	23.37	2.14	45.97
Interruptible Large Volume Service	0.00	2.14	45.97

If customers seek to discuss the ISRS charge in greater detail, please emphasize the following:

- The ISRS covers a portion of the expenses that the Company must incur to maintain and upgrade its system and to relocate facilities in connection with local, state, and federal public improvement projects and safety requirements.
- ISRS is authorized by Missouri law, which allows gas utilities, like Liberty Utilities, to adjust their rates twice per year to recover these mandated costs.
- None of the mandated costs and projects covered by the ISRS produce any new revenue for the Company. Any projects for which Liberty Utilities is separately reimbursed are not included in the ISRS.
- The financial impact of the ISRS is very modest. It is less for residential customers than for larger commercial and industrial customers.



Liberly Utilities 2751 North High Street Jackson, MO 63755 Visit our website at www.libertyutilities.com

FOR QUESTIONS REGARDING YOUR BILL CALL (855) 872-3242 FOR EMERGENCIES CALL (855) 644-8134

## ┋┋┙╴╔┋╗╡┶┋┫┙┚╺╕╕╸╸╸╘┋╔╘╘╒╕╕┚┶┋┋╝┲╺╕╵╎┎╾╘╼┇╕┋╡║╘╖┨╻┠╔╽╻┎╷╷┑

>001372 6113334 0001 092170 20Z

**BILLING DEPARTMENT** ATTN: LIBERTY UTILITIES 2751 N HIGH ST JACKSON, MO 63755-4003

## Statement

ACCOUNTIN	IFORMATION
Account Number:	77602344-77297842
Statement #:	3002698
Bill Date:	02/05/2016
Due Date:	02/26/2016

Service Address: 1 BILL TEST ST JACKSON MO 63755



Meter #	Rate Code	Read Type	# Days	Service Dates	Current	Previous	Multiplier	Usage
1BILLTEST	62-GRF	Actual	29	12/31/15 - 01/29/16	90	80	1.00000	10

CALL US IMMEDIATELY IF YOU SMELL GAS: If you suspect a natural gas leak, leave the premises and then call our emergency toll-free number at 1-855-644-8134 or 911. ALL BILLING UNITS ARE CCF (hundred cubic feet).

ACCOUNT ACTIVITY	a a
Previous Balance:	21.77
Payments Received:	0.00
alance Forward:	21.77
oided-Charges/Credits	22.98 CR
Current Charges;	
Delivery Charge	13.29
Distribution Commodity 10.0000 units @ 0.18370	1.84
RGA 10.0000 units @ 0.53793	5.38
ISRS Charge	0.03
Taxes:	1.45
Miscellaneous Charges/Credits:	
Total Amount Due:	20.78
	]

#### KEEP THIS PORTION FOR YOUR RECORDS

AMOUNT

DUE

20.78

Please include your account number on your check

## Payment Coupon

Please check box and see reverse for: Update phone/address Assistance Donation

Service Address: 1 BILL TEST ST JACKSON MO 63755

BILLING DEPARTMENT 2751 N HIGH ST JACKSON, MO 63755-4003

LATE PAYMENT FEE: Payments received after the due date are subject to 1.5% per month late fee.

BALANCE

FORWARD

21.77

Account Number: Statement #: **Bill Date:** Due Date:

CURRENT

CHARGES

21.99

DETACH AND RETURN THIS REMITTANCE PORTION OF THE BILL WITH YOUR PAYMENT

77602344-77297842 3002698 02/05/2016 02/26/2016

ENCLOSED

AMOUNT

#### **Liberty Utilities Midstates** 75 Remittance Drive , Suite 1741 Chicago, IL 60675-1741

VOID & MISC

CHG/CREDITS

22.98 CR

## 8377602344772978428000000219940000002078

BRE GEN R EV.002 92170-MID-SNIFF

# Make checks payable to Liberty Utilities

#### Understanding Your Bill.

Explanation of Billing Terms You may obtain more information on our tariff and rates by calling our Customer Service Department at the number printed on the front of this bill. The following information explains items that may appear on your bill, depending on your type of service and local regulatory requirements,

#### **Missouri ISRS Charge**

The infrastructure system replacement surcharge (ISRS) is a set, monthly charge that covers only a part of the expenses that the Company must incur to maintain and upgrade its system and to relocate facilities in connection with local, state and federal public improvement projects and safety requirements. In general the ISRS charge to cover these costs is smaller for residential customers, while larger users in other customer classes are charged a greater amount.

#### Estimated Read

All reads are actual unless otherwise shown. If we do not physically read your meter in a given month, we will estimate volume based on your average gas use. It will be shown as "AUTO ESTIMATE" on your bill, and any necessary adjustments will be made after the next actual meter reading.

#### Prorated Bill

If applicable, we will adjust, or prorate, the delivery charge/customer charge on bills with more or less than the standard days of service.

#### Purchased Gas Adjustment (PGA)

This measure reflects market increases and decreases in the price we pay for gas supplies without markup or other charges. It may vary monthly and is based on the amount of natural gas you use.

#### Rate Code

This identifies the rate schedule used to calculate the amount of your bill, based on the type of service you receive, as approved by the state's public utilities commission.

#### Current Charge/Cost/Gas Charge

These charges reflect the cost for gas used during the current billing period, before taxes and miscellaneous charges.

#### **Budget Billing Amount**

If you're a Budget Billing customer, your bill will show the budget amount to be paid.

Due Date/Late Charge: Please pay your bill by the due date to avoid a late charge,

#### Taxes

This section summarizes state and local taxes, including city franchise tax, if applicable.

#### Special Services...

You may sign up for these services at www.libertyutilities.com. Learn more about services at our web site or by calling the toll-free number on the front of this bill.

#### Problems with Paying your Bill:

If you are having problems with paying your utility bill, please contact us. Various plans and programs may be available depending on your circumstances.

E-Bill: Go paperless and receive an email instead of a paper bill each month. Sign up at www.libertyutilities.com

By Mail: Please mail your payment so it is received by the due date on the front of this bill.

#### Community Energy Assistance Program

You can help others in need to pay their monthly gas bill by donating to our community energy assistance program. All donations are distributed to a local or area non-profit energy assistance agency(ies) that serves your community. Visit www.libertyutilities.com for information on which agency(ies) received your donation.

Please choose an amount below to be billed monthly on your liberty Utilities Statement.

Thank you for sharing with those in need In your community.

Pay by Check or Credit Card: Pay by check or credit card on our website or by telephone

Authorized Payment Center: Check our website or call our customer service telephone number for a list of authorized payment agencies, where you can pay your bill in person. Be sure to take the entire bill with you to the payment center to ensure your payment can be accurately posted to your account

Budget Billing: Allows you to spread out your gas payments over the year, smoothing out seasonal highs and lows.

Automatic Payments: You can have your bill paid automatically from your bank account each month.

#### Other information

For General Correspondence: Liberty Utilities 2751 North High Street Jackson, MO, 63755

### CHANGE OF ADDRESS

EFFECTIVE DATE (Day/Month/Year)

ADDRESS PO BOX

CITY

STATE, ZIP

HOME TELEPHONE NUMBER

\$20 \$1 \$5 Other \$10 Round Up **One Time Contribution** 

TO CHANGE ACCOUNT NAME, PLEASE CALL 1-855-872-3242