

Liberty Utilities (Midstates Natural Gas): MO						
Summary of Rates	Residential	Small	Medium	Large	Large Volume	
	RS	General Srv	General Srv	General Srv	Large Volume	LV
		SGS	MGS	LGS		
Proposed Rates - NEMO/WEMO						
Customer Charge	\$ 32.00	\$ 42.00	\$ 180.00	\$ 900.00	\$ 900.00	
Delivery Charge (\$ per CCF)	\$ 0.48582	\$ 0.26705	\$ 0.38594	\$ 0.26239	\$ 0.24109	
Proposed Rates - SEMO						
Delivery Charge (\$ per CCF) - Summer Block 2	\$ 26.75	\$ 37.25	\$ 180.00	\$ 900.00	\$ 900.00	
Delivery Charge (\$ per CCF)	\$ 0.36017	\$ 0.18701	\$ 0.38594	\$ 0.26239	\$ 0.24109	
Current PGA Rates						
PGA Rate (NEMO)	\$ 0.54904	\$ 0.54904	\$ 0.54904	\$ 0.54904	\$ 0.44219	
PGA Rate (WEMO)	\$ 0.86923	\$ 0.86923	\$ 0.86923	\$ 0.86923	\$ 0.81032	
PGA Rate (SEMO)	\$ 0.48712	\$ 0.48712	\$ 0.48712	\$ 0.48712	\$ 0.36314	
Current Rates - NEMO/WEMO						
Customer Charge	\$ 22.00	\$ 33.79	\$ 136.13	\$ 750.00	\$ 650.00	
Delivery Charge (\$ per CCF) - All CCF		\$ 0.14216	\$ 0.27711	\$ 0.17276	\$ 0.17002	
Delivery Charge (\$ per CCF) - Winter	\$ 0.33607					
Delivery Charge (\$ per CCF) - Summer Block 1	\$ 0.32935					
Delivery Charge (\$ per CCF) - Summer Block 2	\$ 0.38193					
Current Rates - SEMO						
Customer Charge	\$ 15.00	\$ 25.10	\$ 140.00	\$ 750.00	\$ 750.00	
Delivery Charge (\$ per CCF) - All CCF	\$ 0.24335	\$ 0.08312	\$ 0.23906	\$ 0.20334	\$ 0.20179	

Liberty Utilities (Midstates Natural Gas): MO
Residential Service
Rate Design Workpaper

Revenues	Base Revenues	PGA Revenues	Total Revenues
Target Revenues	28,397,156	19,835,657	48,232,813
Current Revenues	19,963,653	19,835,657	39,799,310
\$ Difference	8,433,503	-	8,433,503
% Difference	42.2%	0.0%	21.2%

	Total Use	NEMO/WEMO	SEMO
Annual Usage (CCF)	29,824,225	13,935,059	15,889,166
Number of Bills	549,806	228,047	321,759
Average Annual Use (CCF)	651	733	593

Residential Service	Rate	Units	Revenues
Fully Consolidated Rates			
Customer Charge	\$ 35.00	549,806	\$ 16,494,180
ISRS Charge	\$ -	549,806	\$ -
Delivery Charge	\$ 0.39910	29,824,225	11,902,976
Total			\$ 28,397,156

Proposed NEMO/WEMO Rates			
Customer Charge	\$ 32.00	228,047	\$ 7,297,504
ISRS Charge	\$ -	228,047	\$ -
Delivery Charge	\$ 0.48582	13,935,059	6,769,866
Total			14,067,370

Proposed SEMO Rates			
Customer Charge	\$ 26.75	321,759	\$ 8,607,053
ISRS Charge	\$ -	321,759	\$ -
Delivery Charge	\$ 0.36017	15,889,166	5,722,733
Total			14,329,786

Revenue at Proposed Rates 28,397,156

Current Rates (NEMO/WEMO)			
Customer Charge	\$ 22.00	228,047	\$ 5,017,034
ISRS Charge	\$ 3.01	228,047	\$ 686,530
Delivery Charge			
Winter	0.33607	11,777,441	\$ 3,958,045
Summer Block 1	0.32935	1,503,695	\$ 495,242
Summer Block 2	0.38193	653,923	\$ 249,753

Current Rates (SEMO)			
Customer Charge	\$ 15.00	321,759	\$ 4,826,385
ISRS Charge	\$ 2.19	321,759	\$ 704,605
Delivery Charge			
All	0.24335	13,407,191	\$ 3,262,640
Summer Block 1	0.24335	1,993,388	\$ 485,091
Summer Block 2	0.24335	488,588	\$ 118,898

WNAR Revenues 154,030

Total Revenues at Current Rates \$ 19,958,252

PGA Rate (NEMO)	\$ 0.54904
PGA Rate (WEMO)	\$ 0.86923
PGA Rate (SEMO)	\$ 0.48712

Consolidated Rates - Residential Service					
Average Monthly Bill	NEMO		WEMO		SEMO
Average monthly use (CCF)		54		54	54
Proposed rates					
Customer Charge	\$	30.00	\$	30.00	\$ 30.00
ISRS Charge		-		-	-
Delivery Charge		21.55		21.55	21.55
PGA Charge		29.65		46.94	26.30
Proposed Bill	\$	81.20	\$	98.49	\$ 77.86
Current rates					
Customer Charge	\$	22.00	\$	22.00	\$ 15.00
ISRS Charge	\$	3.01	\$	3.01	\$ 2.19
Delivery Charge		18.22		18.22	13.14
PGA Charge		29.65		46.94	26.30
Current Bill	\$	72.88	\$	90.17	\$ 56.64
Base Rate Difference	\$	8.32	\$	8.32	\$ 21.22
		19.2%		19.2%	70.0%
Total Bill Difference	\$	8.32	\$	8.32	\$ 21.22
		11.4%		9.2%	37.5%

Proposed Rates - Residential Service					
Average Monthly Bill	NEMO		WEMO		SEMO
Average monthly use (CCF)		54		54	54
Proposed rates					
Customer Charge	\$	32.00	\$	32.00	\$ 26.75
ISRS Charge		-		-	-
Delivery Charge		26.23		26.23	19.45
PGA Charge		29.65		46.94	26.30
Proposed Bill	\$	87.88	\$	105.17	\$ 72.50
Current rates					
Customer Charge	\$	22.00	\$	22.00	\$ 15.00
ISRS Charge	\$	3.01	\$	3.01	\$ 2.19
Delivery Charge		18.22		18.22	13.14
PGA Charge		29.65		46.94	26.30
Current Bill	\$	72.88	\$	90.17	\$ 56.64
Base Rate Difference	\$	15.00	\$	15.00	\$ 15.87
		34.7%		34.7%	52.3%
Total Bill Difference	\$	15.00	\$	15.00	\$ 15.87
		20.6%		16.6%	28.0%

Consolidated Rate Bill Impact Analysis - Residential (NEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
6	15.1%	0.4%	\$ 32.39	\$ 27.04	\$ 5.36	19.8%	\$ 35.69	\$ 30.33	\$ 5.36	17.7%	
15	33.6%	3.4%	\$ 35.99	\$ 30.07	\$ 5.91	19.7%	\$ 44.22	\$ 38.31	\$ 5.91	15.4%	
31	48.0%	8.4%	\$ 42.37	\$ 35.47	\$ 6.90	19.4%	\$ 59.39	\$ 52.49	\$ 6.90	13.1%	
46	54.9%	12.6%	\$ 48.36	\$ 40.54	\$ 7.82	19.3%	\$ 73.61	\$ 65.79	\$ 7.82	11.9%	
61	61.9%	18.7%	\$ 54.39	\$ 45.63	\$ 8.75	19.2%	\$ 87.94	\$ 79.18	\$ 8.75	11.1%	
76	68.1%	25.7%	\$ 60.33	\$ 50.66	\$ 9.67	19.1%	\$ 102.06	\$ 92.39	\$ 9.67	10.5%	
92	74.5%	34.5%	\$ 66.72	\$ 56.06	\$ 10.66	19.0%	\$ 117.23	\$ 106.57	\$ 10.66	10.0%	
122	83.9%	50.6%	\$ 78.69	\$ 66.19	\$ 12.51	18.9%	\$ 145.67	\$ 133.17	\$ 12.51	9.4%	
183	94.1%	75.1%	\$ 103.04	\$ 86.77	\$ 16.26	18.7%	\$ 203.51	\$ 187.25	\$ 16.26	8.7%	
244	97.7%	87.4%	\$ 127.38	\$ 107.36	\$ 20.02	18.6%	\$ 261.35	\$ 241.33	\$ 20.02	8.3%	

Proposed Rate Bill Impact Analysis - Residential (NEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
6	15.1%	0.4%	\$ 34.91	\$ 27.04	\$ 7.88	29.1%	\$ 38.21	\$ 30.33	\$ 7.88	26.0%	
15	33.6%	3.4%	\$ 39.29	\$ 30.07	\$ 9.21	30.6%	\$ 47.52	\$ 38.31	\$ 9.21	24.1%	
31	48.0%	8.4%	\$ 47.06	\$ 35.47	\$ 11.59	32.7%	\$ 64.08	\$ 52.49	\$ 11.59	22.1%	
46	54.9%	12.6%	\$ 54.35	\$ 40.54	\$ 13.81	34.1%	\$ 79.60	\$ 65.79	\$ 13.81	21.0%	
61	61.9%	18.7%	\$ 61.69	\$ 45.63	\$ 16.05	35.2%	\$ 95.24	\$ 79.18	\$ 16.05	20.3%	
76	68.1%	25.7%	\$ 68.92	\$ 50.66	\$ 18.26	36.0%	\$ 110.65	\$ 92.39	\$ 18.26	19.8%	
92	74.5%	34.5%	\$ 76.70	\$ 56.06	\$ 20.63	36.8%	\$ 127.21	\$ 106.57	\$ 20.63	19.4%	
122	83.9%	50.6%	\$ 91.27	\$ 66.19	\$ 25.08	37.9%	\$ 158.25	\$ 133.17	\$ 25.08	18.8%	
183	94.1%	75.1%	\$ 120.90	\$ 86.77	\$ 34.13	39.3%	\$ 221.38	\$ 187.25	\$ 34.13	18.2%	
244	97.7%	87.4%	\$ 150.54	\$ 107.36	\$ 43.18	40.2%	\$ 284.50	\$ 241.33	\$ 43.18	17.9%	

Consolidated Rate Bill Impact Analysis - Residential (WEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
6	15.1%	0.4%	\$ 32.39	\$ 27.04	\$ 5.36	19.8%	\$ 37.61	\$ 32.25	\$ 5.36	16.6%	
15	33.6%	3.4%	\$ 35.99	\$ 30.07	\$ 5.91	19.7%	\$ 49.03	\$ 43.11	\$ 5.91	13.7%	
31	48.0%	8.4%	\$ 42.37	\$ 35.47	\$ 6.90	19.4%	\$ 69.32	\$ 62.42	\$ 6.90	11.1%	
46	54.9%	12.6%	\$ 48.36	\$ 40.54	\$ 7.82	19.3%	\$ 88.34	\$ 80.52	\$ 7.82	9.7%	
61	61.9%	18.7%	\$ 54.39	\$ 45.63	\$ 8.75	19.2%	\$ 107.50	\$ 98.75	\$ 8.75	8.9%	
76	68.1%	25.7%	\$ 60.33	\$ 50.66	\$ 9.67	19.1%	\$ 126.39	\$ 116.72	\$ 9.67	8.3%	
92	74.5%	34.5%	\$ 66.72	\$ 56.06	\$ 10.66	19.0%	\$ 146.69	\$ 136.03	\$ 10.66	7.8%	
122	83.9%	50.6%	\$ 78.69	\$ 66.19	\$ 12.51	18.9%	\$ 184.74	\$ 172.23	\$ 12.51	7.3%	
183	94.1%	75.1%	\$ 103.04	\$ 86.77	\$ 16.26	18.7%	\$ 262.11	\$ 245.84	\$ 16.26	6.6%	
244	97.7%	87.4%	\$ 127.38	\$ 107.36	\$ 20.02	18.6%	\$ 339.47	\$ 319.45	\$ 20.02	6.3%	

Proposed Rate Bill Impact Analysis - Residential (WEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
6	15.1%	0.4%	\$ 34.91	\$ 27.04	\$ 7.88	29.1%	\$ 40.13	\$ 32.25	\$ 7.88	24.4%	
15	33.6%	3.4%	\$ 39.29	\$ 30.07	\$ 9.21	30.6%	\$ 52.33	\$ 43.11	\$ 9.21	21.4%	
31	48.0%	8.4%	\$ 47.06	\$ 35.47	\$ 11.59	32.7%	\$ 74.01	\$ 62.42	\$ 11.59	18.6%	
46	54.9%	12.6%	\$ 54.35	\$ 40.54	\$ 13.81	34.1%	\$ 94.33	\$ 80.52	\$ 13.81	17.2%	
61	61.9%	18.7%	\$ 61.69	\$ 45.63	\$ 16.05	35.2%	\$ 114.80	\$ 98.75	\$ 16.05	16.3%	
76	68.1%	25.7%	\$ 68.92	\$ 50.66	\$ 18.26	36.0%	\$ 134.98	\$ 116.72	\$ 18.26	15.6%	
92	74.5%	34.5%	\$ 76.70	\$ 56.06	\$ 20.63	36.8%	\$ 156.66	\$ 136.03	\$ 20.63	15.2%	
122	83.9%	50.6%	\$ 91.27	\$ 66.19	\$ 25.08	37.9%	\$ 197.32	\$ 172.23	\$ 25.08	14.6%	
183	94.1%	75.1%	\$ 120.90	\$ 86.77	\$ 34.13	39.3%	\$ 279.97	\$ 245.84	\$ 34.13	13.9%	
244	97.7%	87.4%	\$ 150.54	\$ 107.36	\$ 43.18	40.2%	\$ 362.63	\$ 319.45	\$ 43.18	13.5%	

Consolidated Rate Bill Impact Analysis - Residential (SEMO)											
Monthly Use	Cumulative Bills	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)					
		Cumulative Use	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
5	16.3%	0.6%	\$ 32.00	\$ 18.41	\$ 13.59	73.8%	\$ 34.43	\$ 20.84	\$ 13.59	65.2%	
12	38.2%	5.2%	\$ 34.79	\$ 20.11	\$ 14.68	73.0%	\$ 40.63	\$ 25.96	\$ 14.68	56.6%	
25	55.1%	12.7%	\$ 39.98	\$ 23.27	\$ 16.70	71.8%	\$ 52.16	\$ 35.45	\$ 16.70	47.1%	
37	63.5%	19.4%	\$ 44.77	\$ 26.19	\$ 18.57	70.9%	\$ 62.79	\$ 44.22	\$ 18.57	42.0%	
49	71.5%	28.4%	\$ 49.71	\$ 29.21	\$ 20.50	70.2%	\$ 73.76	\$ 53.26	\$ 20.50	38.5%	
62	77.4%	37.0%	\$ 54.74	\$ 32.28	\$ 22.47	69.6%	\$ 84.95	\$ 62.48	\$ 22.47	36.0%	
74	82.9%	46.7%	\$ 59.53	\$ 35.20	\$ 24.34	69.1%	\$ 95.58	\$ 71.24	\$ 24.34	34.2%	
99	90.2%	63.0%	\$ 69.51	\$ 41.28	\$ 28.23	68.4%	\$ 117.74	\$ 89.51	\$ 28.23	31.5%	
148	96.8%	83.4%	\$ 89.07	\$ 53.21	\$ 35.86	67.4%	\$ 161.16	\$ 125.30	\$ 35.86	28.6%	
198	98.9%	92.6%	\$ 109.02	\$ 65.37	\$ 43.65	66.8%	\$ 205.47	\$ 161.82	\$ 43.65	27.0%	

Proposed Rate Bill Impact Analysis - Residential (SEMO)											
Monthly Use	Cumulative Bills	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)					
		Cumulative Use	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
5	16.3%	0.6%	\$ 28.55	\$ 18.41	\$ 10.14	55.1%	\$ 30.99	\$ 20.84	\$ 10.14	48.7%	
12	38.2%	5.2%	\$ 31.07	\$ 20.11	\$ 10.96	54.5%	\$ 36.92	\$ 25.96	\$ 10.96	42.2%	
25	55.1%	12.7%	\$ 35.75	\$ 23.27	\$ 12.48	53.6%	\$ 47.93	\$ 35.45	\$ 12.48	35.2%	
37	63.5%	19.4%	\$ 40.08	\$ 26.19	\$ 13.88	53.0%	\$ 58.10	\$ 44.22	\$ 13.88	31.4%	
49	71.5%	28.4%	\$ 44.54	\$ 29.21	\$ 15.33	52.5%	\$ 68.59	\$ 53.26	\$ 15.33	28.8%	
62	77.4%	37.0%	\$ 49.08	\$ 32.28	\$ 16.80	52.1%	\$ 79.28	\$ 62.48	\$ 16.80	26.9%	
74	82.9%	46.7%	\$ 53.40	\$ 35.20	\$ 18.20	51.7%	\$ 89.45	\$ 71.24	\$ 18.20	25.6%	
99	90.2%	63.0%	\$ 62.41	\$ 41.28	\$ 21.12	51.2%	\$ 110.63	\$ 89.51	\$ 21.12	23.6%	
148	96.8%	83.4%	\$ 80.05	\$ 53.21	\$ 26.85	50.5%	\$ 152.15	\$ 125.30	\$ 26.85	21.4%	
198	98.9%	92.6%	\$ 98.06	\$ 65.37	\$ 32.69	50.0%	\$ 194.51	\$ 161.82	\$ 32.69	20.2%	

Liberty Utilities (Midstates Natural Gas): MO
Small General Service
Rate Design Workpaper

Revenues	Base Revenues	PGA Revenues	Total Revenues
Target Revenues	4,870,751	5,766,759	10,637,509
Current Revenues	3,395,739	5,766,759	9,162,498
\$ Difference	1,475,011	-	1,475,011
% Difference	43.4%	0.0%	16.1%

	Total Use	NEMO/WEMO	SEMO
Annual Usage (CCF)	9,082,268	4,481,428	4,600,840
Number of Bills	71,445	32,057	39,388
Average Annual Use (CCF)	1,525	1,678	1,402

Small General Service Rate Units Revenues

Fully Consolidated Rates	Rate	Units	Revenues
Customer Charge	\$ 45.00	71,445	\$ 2,857,800
ISRS Charge	\$ -	71,445	\$ -
Delivery Charge	\$ 0.22164	9,082,268	2,012,951
Total			\$ 4,870,751

Proposed NEMO/WEMO Rates	Rate	Units	Revenues
Customer Charge	\$ 42.00	32,057	\$ 1,346,394
ISRS Charge	\$ -	32,057	\$ -
Delivery Charge	\$ 0.26705	4,481,428	1,196,767
Total			2,543,161

Proposed SEMO Rates	Rate	Units	Revenues
Customer Charge	\$ 37.25	39,388	\$ 1,467,203
ISRS Charge	\$ -	39,388	\$ -
Delivery Charge	\$ 0.18701	4,600,840	860,387
Total			\$ 2,327,590

Revenue at Proposed Rates 4,870,751

Current Rates (NEMO/WEMO)	Rate	Units	Revenues
Customer Charge	\$ 33.79	32,057	\$ 1,083,206
ISRS Charge	\$ 4.62	32,057	148,226
Delivery Charge	0.14216	4,481,428	637,080

Current Rates (SEMO)	Rate	Units	Revenues
Customer Charge	\$ 25.10	39,388	\$ 988,639
ISRS Charge	\$ 3.66	39,388	144,332
Delivery Charge	0.08312	4,600,840	382,422

WNAR Revenues \$ 11,262

Total Revenues at Current Rates \$ 3,395,166

PGA Rate (NEMO)	\$ 0.54904
PGA Rate (WEMO)	\$ 0.86923
PGA Rate (SEMO)	\$ 0.48712

Consolidated Rates - Small General Service					
Average Monthly Bill	NEMO		WEMO		SEMO
Average monthly use (CCF)		127		127	127
Proposed rates					
Customer Charge	\$	40.00	\$	40.00	\$ 40.00
ISRS Charge	\$	-	\$	-	\$ -
Delivery Charge		28.15		28.15	28.15
PGA Charge		69.73		110.39	61.86
Total	\$	137.88	\$	178.54	\$ 130.01
Current rates					
Customer Charge	\$	33.79	\$	33.79	\$ 25.10
ISRS Charge	\$	4.62	\$	4.62	\$ 3.66
Delivery Charge		18.05		18.05	10.56
PGA Charge		69.73		110.39	61.86
Total	\$	126.20	\$	166.86	\$ 101.18
Base Rate Difference	\$	11.68	\$	11.68	\$ 28.83
		20.7%		20.7%	73.3%
Total Bill Difference	\$	11.68	\$	11.68	\$ 28.83
		9.3%		7.0%	28.5%

Proposed Rates - Small General Service					
Average Monthly Bill	NEMO		WEMO		SEMO
Average monthly use (CCF)		127		127	127
Proposed rates					
Customer Charge	\$	42.00	\$	42.00	\$ 37.25
ISRS Charge		-		-	-
Delivery Charge		33.92		33.92	23.75
PGA Charge		69.73		110.39	61.86
Total	\$	145.64	\$	186.31	\$ 122.86
Current rates					
Customer Charge	\$	33.79	\$	33.79	\$ 25.10
ISRS Charge		4.62		4.62	3.66
Delivery Charge		18.05		18.05	10.56
PGA Charge		69.73		110.39	61.86
Total	\$	126.20	\$	166.86	\$ 101.18
Base Rate Difference	\$	19.45	\$	19.45	\$ 21.68
		34.4%		34.4%	55.1%
Total Bill Difference	\$	19.45	\$	19.45	\$ 21.68
		15.4%		11.7%	21.4%

Consolidated Rates Bill Impact Analysis - Small General Service (NEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
14	36.7%	0.8%	\$ 43.10	\$ 40.40	\$ 2.70	6.7%	\$ 50.79	\$ 48.09	\$ 2.70	5.6%	
35	46.5%	2.4%	\$ 47.76	\$ 43.39	\$ 4.37	10.1%	\$ 66.97	\$ 62.61	\$ 4.37	7.0%	
70	56.7%	6.1%	\$ 55.51	\$ 48.37	\$ 7.15	14.8%	\$ 93.95	\$ 86.80	\$ 7.15	8.2%	
105	64.3%	10.8%	\$ 63.27	\$ 53.34	\$ 9.93	18.6%	\$ 120.92	\$ 110.99	\$ 9.93	8.9%	
140	70.4%	16.1%	\$ 70.98	\$ 58.29	\$ 12.70	21.8%	\$ 147.74	\$ 135.04	\$ 12.70	9.4%	
175	75.1%	21.3%	\$ 78.79	\$ 63.29	\$ 15.49	24.5%	\$ 174.87	\$ 159.37	\$ 15.49	9.7%	
210	78.9%	26.6%	\$ 86.54	\$ 68.27	\$ 18.28	26.8%	\$ 201.84	\$ 183.57	\$ 18.28	10.0%	
280	84.4%	36.1%	\$ 102.06	\$ 78.22	\$ 23.84	30.5%	\$ 255.79	\$ 231.95	\$ 23.84	10.3%	
419	91.0%	52.2%	\$ 132.87	\$ 97.98	\$ 34.89	35.6%	\$ 362.91	\$ 328.03	\$ 34.89	10.6%	
559	94.5%	64.1%	\$ 163.89	\$ 117.88	\$ 46.01	39.0%	\$ 470.81	\$ 424.79	\$ 46.01	10.8%	

Proposed Rates Bill Impact Analysis - Small General Service (NEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
14	36.7%	0.8%	\$ 45.74	\$ 40.40	\$ 5.33	13.2%	\$ 53.43	\$ 48.09	\$ 5.33	11.1%	
35	46.5%	2.4%	\$ 51.35	\$ 43.39	\$ 7.96	18.3%	\$ 70.56	\$ 62.61	\$ 7.96	12.7%	
70	56.7%	6.1%	\$ 60.69	\$ 48.37	\$ 12.33	25.5%	\$ 99.13	\$ 86.80	\$ 12.33	14.2%	
105	64.3%	10.8%	\$ 70.04	\$ 53.34	\$ 16.70	31.3%	\$ 127.69	\$ 110.99	\$ 16.70	15.0%	
140	70.4%	16.1%	\$ 79.33	\$ 58.29	\$ 21.05	36.1%	\$ 156.09	\$ 135.04	\$ 21.05	15.6%	
175	75.1%	21.3%	\$ 88.73	\$ 63.29	\$ 25.44	40.2%	\$ 184.82	\$ 159.37	\$ 25.44	16.0%	
210	78.9%	26.6%	\$ 98.08	\$ 68.27	\$ 29.81	43.7%	\$ 213.38	\$ 183.57	\$ 29.81	16.2%	
280	84.4%	36.1%	\$ 116.77	\$ 78.22	\$ 38.56	49.3%	\$ 270.51	\$ 231.95	\$ 38.56	16.6%	
419	91.0%	52.2%	\$ 153.89	\$ 97.98	\$ 55.92	57.1%	\$ 383.94	\$ 328.03	\$ 55.92	17.0%	
559	94.5%	64.1%	\$ 191.28	\$ 117.88	\$ 73.40	62.3%	\$ 498.19	\$ 424.79	\$ 73.40	17.3%	

Consolidated Rates Bill Impact Analysis - Small General Service (WEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
14	36.7%	0.8%	\$ 43.10	\$ 40.40	\$ 2.70	6.7%	\$ 55.27	\$ 52.57	\$ 2.70	5.1%	
35	46.5%	2.4%	\$ 47.76	\$ 43.39	\$ 4.37	10.1%	\$ 78.18	\$ 73.81	\$ 4.37	5.9%	
70	56.7%	6.1%	\$ 55.51	\$ 48.37	\$ 7.15	14.8%	\$ 116.36	\$ 109.21	\$ 7.15	6.5%	
105	64.3%	10.8%	\$ 63.27	\$ 53.34	\$ 9.93	18.6%	\$ 154.54	\$ 144.61	\$ 9.93	6.9%	
140	70.4%	16.1%	\$ 70.98	\$ 58.29	\$ 12.70	21.8%	\$ 192.50	\$ 179.80	\$ 12.70	7.1%	
175	75.1%	21.3%	\$ 78.79	\$ 63.29	\$ 15.49	24.5%	\$ 230.90	\$ 215.41	\$ 15.49	7.2%	
210	78.9%	26.6%	\$ 86.54	\$ 68.27	\$ 18.28	26.8%	\$ 269.08	\$ 250.81	\$ 18.28	7.3%	
280	84.4%	36.1%	\$ 102.06	\$ 78.22	\$ 23.84	30.5%	\$ 345.44	\$ 321.60	\$ 23.84	7.4%	
419	91.0%	52.2%	\$ 132.87	\$ 97.98	\$ 34.89	35.6%	\$ 497.07	\$ 462.19	\$ 34.89	7.5%	
559	94.5%	64.1%	\$ 163.89	\$ 117.88	\$ 46.01	39.0%	\$ 649.79	\$ 603.78	\$ 46.01	7.6%	

Proposed Rates Bill Impact Analysis - Small General Service (WEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
14	36.7%	0.8%	\$ 45.74	\$ 40.40	\$ 5.33	13.2%	\$ 57.91	\$ 52.57	\$ 5.33	10.1%	
35	46.5%	2.4%	\$ 51.35	\$ 43.39	\$ 7.96	18.3%	\$ 81.77	\$ 73.81	\$ 7.96	10.8%	
70	56.7%	6.1%	\$ 60.69	\$ 48.37	\$ 12.33	25.5%	\$ 121.54	\$ 109.21	\$ 12.33	11.3%	
105	64.3%	10.8%	\$ 70.04	\$ 53.34	\$ 16.70	31.3%	\$ 161.31	\$ 144.61	\$ 16.70	11.5%	
140	70.4%	16.1%	\$ 79.33	\$ 58.29	\$ 21.05	36.1%	\$ 200.85	\$ 179.80	\$ 21.05	11.7%	
175	75.1%	21.3%	\$ 88.73	\$ 63.29	\$ 25.44	40.2%	\$ 240.85	\$ 215.41	\$ 25.44	11.8%	
210	78.9%	26.6%	\$ 98.08	\$ 68.27	\$ 29.81	43.7%	\$ 280.62	\$ 250.81	\$ 29.81	11.9%	
280	84.4%	36.1%	\$ 116.77	\$ 78.22	\$ 38.56	49.3%	\$ 360.16	\$ 321.60	\$ 38.56	12.0%	
419	91.0%	52.2%	\$ 153.89	\$ 97.98	\$ 55.92	57.1%	\$ 518.10	\$ 462.19	\$ 55.92	12.1%	
559	94.5%	64.1%	\$ 191.28	\$ 117.88	\$ 73.40	62.3%	\$ 677.18	\$ 603.78	\$ 73.40	12.2%	

Consolidated Rates Bill Impact Analysis - Small General Service (SEMO)											
Monthly Use	Cumulative Bills	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)					
		Cumulative Use	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
12	43.1%	1.1%	\$ 42.66	\$ 29.76	\$ 12.90	43.3%	\$ 48.51	\$ 35.61	\$ 12.90	36.2%	
29	53.2%	3.2%	\$ 46.43	\$ 31.17	\$ 15.25	48.9%	\$ 60.55	\$ 45.30	\$ 15.25	33.7%	
58	63.3%	7.8%	\$ 52.85	\$ 33.59	\$ 19.27	57.4%	\$ 81.11	\$ 61.84	\$ 19.27	31.2%	
88	70.7%	13.5%	\$ 59.50	\$ 36.08	\$ 23.42	64.9%	\$ 102.37	\$ 78.95	\$ 23.42	29.7%	
117	75.9%	19.2%	\$ 65.89	\$ 38.47	\$ 27.42	71.3%	\$ 122.79	\$ 95.37	\$ 27.42	28.7%	
146	80.0%	24.9%	\$ 72.36	\$ 40.90	\$ 31.46	76.9%	\$ 143.48	\$ 112.02	\$ 31.46	28.1%	
175	83.3%	30.7%	\$ 78.79	\$ 43.31	\$ 35.48	81.9%	\$ 164.03	\$ 128.56	\$ 35.48	27.6%	
234	88.0%	40.8%	\$ 91.86	\$ 48.21	\$ 43.65	90.5%	\$ 205.85	\$ 162.20	\$ 43.65	26.9%	
350	93.5%	57.7%	\$ 117.57	\$ 57.86	\$ 59.72	103.2%	\$ 288.06	\$ 228.35	\$ 59.72	26.2%	
467	96.3%	70.0%	\$ 143.50	\$ 67.58	\$ 75.92	112.3%	\$ 370.99	\$ 295.07	\$ 75.92	25.7%	

Proposed Rates Bill Impact Analysis - Small General Service (SEMO)											
Monthly Use	Cumulative Bills	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)					
		Cumulative Use	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
12	43.1%	1.1%	\$ 39.49	\$ 29.76	\$ 9.73	32.7%	\$ 45.34	\$ 35.61	\$ 9.73	27.3%	
29	53.2%	3.2%	\$ 42.67	\$ 31.17	\$ 11.50	36.9%	\$ 56.80	\$ 45.30	\$ 11.50	25.4%	
58	63.3%	7.8%	\$ 48.10	\$ 33.59	\$ 14.51	43.2%	\$ 76.35	\$ 61.84	\$ 14.51	23.5%	
88	70.7%	13.5%	\$ 53.71	\$ 36.08	\$ 17.63	48.9%	\$ 96.57	\$ 78.95	\$ 17.63	22.3%	
117	75.9%	19.2%	\$ 59.09	\$ 38.47	\$ 20.62	53.6%	\$ 115.99	\$ 95.37	\$ 20.62	21.6%	
146	80.0%	24.9%	\$ 64.55	\$ 40.90	\$ 23.65	57.8%	\$ 135.67	\$ 112.02	\$ 23.65	21.1%	
175	83.3%	30.7%	\$ 69.98	\$ 43.31	\$ 26.67	61.6%	\$ 155.22	\$ 128.56	\$ 26.67	20.7%	
234	88.0%	40.8%	\$ 81.01	\$ 48.21	\$ 32.80	68.0%	\$ 195.00	\$ 162.20	\$ 32.80	20.2%	
350	93.5%	57.7%	\$ 102.70	\$ 57.86	\$ 44.85	77.5%	\$ 273.19	\$ 228.35	\$ 44.85	19.6%	
467	96.3%	70.0%	\$ 124.58	\$ 67.58	\$ 57.00	84.3%	\$ 352.07	\$ 295.07	\$ 57.00	19.3%	

Liberty Utilities (Midstates Natural Gas): MO
Medium General Service
Rate Design Workpaper

Revenues	Base Revenues	PGA Revenues	Total Revenues
Target Revenues	5,984,473	5,890,987	11,875,460
Current Revenues	4,401,413	5,890,987	10,292,400
\$ Difference	1,583,060	-	1,583,060
% Difference	36.0%	0.0%	15.4%

	Total Use	NEMO/WEMO	SEMO
Annual Usage (CCF)	10,506,555	5,047,705	5,458,850
Number of Bills	10,720	4,475	6,245
Average Annual Use (CCF)	11,761	13,536	10,489

Medium General Service Rate Units Revenues

Proposed Rates	Rate	Units	Revenues
Customer Charge	\$ 180.00	10,720	\$ 1,929,600
ISRS Charge	\$ -	10,720	\$ -
Delivery Charge	\$ 0.38594	10,506,555	4,054,873
Other Revenues			-

Revenue at Proposed Rates \$ 5,984,473

Current Rates (NEMO/WEMO)	Rate	Units	Revenues
Customer Charge	\$ 136.13	4,475	\$ 609,182
ISRS Charge	\$ 18.63	4,475	83,360
Delivery Charge	0.27711	5,047,705	1,398,770

Current Rates (SEMO)	Rate	Units	Revenues
Customer Charge	\$ 140.00	6,245	\$ 874,300
ISRS Charge	\$ 20.44	6,245	127,639
Delivery Charge	0.23906	5,458,850	1,304,993

WNAR Revenues \$ -

Total Revenues at Current Rates \$ 4,398,244

PGA Rate (NEMO)	\$ 0.54904
PGA Rate (WEMO)	\$ 0.86923
PGA Rate (SEMO)	\$ 0.48712

Proposed Consolidated Rates - Medium General Service

Average Monthly Bill	NEMO	WEMO	SEMO
Average monthly use (CCF)	980	980	980
Proposed rates			
Customer Charge	\$ 180.00	\$ 180.00	\$ 180.00
ISRS Charge	\$ -	\$ -	\$ -
Delivery Charge	378.22	378.22	378.22
PGA Charge	538.06	851.85	477.38
Total	\$ 1,096.28	\$ 1,410.06	\$ 1,035.60

Proposed rates			
Customer Charge	\$ 136.13	\$ 136.13	\$ 140.00
ISRS Charge	\$ 18.63	\$ 18.63	\$ 20.44
Delivery Charge	271.57	271.57	234.28
PGA Charge	538.06	851.85	477.38
Total	\$ 964.39	\$ 1,278.17	\$ 872.10

Base Rate Difference \$ 131.89 \$ 131.89 \$ 163.50
30.9% 30.9% 41.4%

Total Bill Difference \$ 131.89 \$ 131.89 \$ 163.50
13.7% 10.3% 18.7%

Bill Impact Analysis - Medium General Service (NEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
113	26.6%	0.7%	\$ 224	\$ 186	\$ 38	20.2%	\$ 286	\$ 248	\$ 38	15.1%	
282	38.6%	2.7%	\$ 289	\$ 233	\$ 56	24.0%	\$ 444	\$ 388	\$ 56	14.4%	
564	52.9%	7.9%	\$ 398	\$ 311	\$ 87	27.8%	\$ 707	\$ 621	\$ 87	14.0%	
846	63.8%	14.7%	\$ 507	\$ 389	\$ 117	30.1%	\$ 971	\$ 854	\$ 117	13.7%	
1,128	71.5%	21.3%	\$ 615	\$ 467	\$ 148	31.7%	\$ 1,235	\$ 1,087	\$ 148	13.6%	
1,410	77.2%	27.7%	\$ 724	\$ 545	\$ 179	32.8%	\$ 1,498	\$ 1,320	\$ 179	13.5%	
1,692	81.0%	32.8%	\$ 833	\$ 624	\$ 209	33.6%	\$ 1,762	\$ 1,553	\$ 209	13.5%	
2,256	86.2%	41.8%	\$ 1,051	\$ 780	\$ 271	34.7%	\$ 2,289	\$ 2,019	\$ 271	13.4%	
3,384	92.3%	56.7%	\$ 1,486	\$ 1,092	\$ 394	36.0%	\$ 3,344	\$ 2,950	\$ 394	13.3%	
4,512	95.1%	66.2%	\$ 1,921	\$ 1,405	\$ 516	36.7%	\$ 4,399	\$ 3,882	\$ 516	13.3%	

Bill Impact Analysis - Medium General Service (WEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
113	26.6%	0.7%	\$ 224	\$ 186	\$ 38	20.2%	\$ 322	\$ 284	\$ 38	13.2%	
282	38.6%	2.7%	\$ 289	\$ 233	\$ 56	24.0%	\$ 534	\$ 478	\$ 56	11.7%	
564	52.9%	7.9%	\$ 398	\$ 311	\$ 87	27.8%	\$ 888	\$ 801	\$ 87	10.8%	
846	63.8%	14.7%	\$ 507	\$ 389	\$ 117	30.1%	\$ 1,242	\$ 1,125	\$ 117	10.4%	
1,128	71.5%	21.3%	\$ 615	\$ 467	\$ 148	31.7%	\$ 1,596	\$ 1,448	\$ 148	10.2%	
1,410	77.2%	27.7%	\$ 724	\$ 545	\$ 179	32.8%	\$ 1,950	\$ 1,771	\$ 179	10.1%	
1,692	81.0%	32.8%	\$ 833	\$ 624	\$ 209	33.6%	\$ 2,304	\$ 2,094	\$ 209	10.0%	
2,256	86.2%	41.8%	\$ 1,051	\$ 780	\$ 271	34.7%	\$ 3,012	\$ 2,741	\$ 271	9.9%	
3,384	92.3%	56.7%	\$ 1,486	\$ 1,092	\$ 394	36.0%	\$ 4,427	\$ 4,034	\$ 394	9.8%	
4,512	95.1%	66.2%	\$ 1,921	\$ 1,405	\$ 516	36.7%	\$ 5,843	\$ 5,327	\$ 516	9.7%	

Bill Impact Analysis - Medium General Service (SEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
87	30.5%	0.7%	\$ 214	\$ 181	\$ 32	17.8%	\$ 256	\$ 224	\$ 32	14.5%	
219	42.1%	2.7%	\$ 265	\$ 213	\$ 52	24.3%	\$ 371	\$ 319	\$ 52	16.2%	
437	55.7%	7.8%	\$ 349	\$ 265	\$ 84	31.6%	\$ 562	\$ 478	\$ 84	17.5%	
656	65.9%	14.4%	\$ 433	\$ 317	\$ 116	36.5%	\$ 753	\$ 637	\$ 116	18.2%	
874	73.1%	20.8%	\$ 517	\$ 369	\$ 148	40.1%	\$ 943	\$ 795	\$ 148	18.6%	
1,093	78.6%	27.2%	\$ 602	\$ 422	\$ 180	42.7%	\$ 1,134	\$ 954	\$ 180	18.9%	
1,311	82.4%	32.6%	\$ 686	\$ 474	\$ 212	44.8%	\$ 1,325	\$ 1,112	\$ 212	19.1%	
1,748	87.8%	42.3%	\$ 855	\$ 578	\$ 276	47.8%	\$ 1,706	\$ 1,430	\$ 276	19.3%	
2,622	93.1%	55.6%	\$ 1,192	\$ 787	\$ 405	51.4%	\$ 2,469	\$ 2,064	\$ 405	19.6%	
3,496	95.8%	65.0%	\$ 1,529	\$ 996	\$ 533	53.5%	\$ 3,232	\$ 2,699	\$ 533	19.7%	

Liberty Utilities (Midstates Natural Gas): MO
Large General Service
Rate Design Workpaper

Revenues	Base Revenues	PGA Revenues	Total Revenues
Target Revenues	6,432,471	3,095,372	9,527,842
Current Revenues	4,879,778	3,095,372	7,975,150
\$ Difference	1,552,693	-	1,552,693
% Difference	31.8%	0.0%	19.5%

	Total Use	NEMO/WEMO	SEMO
Annual Usage (CCF)	22,752,220	5,988,865	16,763,355
Number of Bills	514	208	306
Average Annual Use (CCF)	531,180	345,511	657,386

Large General Service	Rate	Units	Revenues
Proposed Rates			
Customer Charge	\$ 900.00	514	\$ 462,600
ISRS Charge	\$ -	514	\$ -
Delivery Charge	\$ 0.26239	22,752,220	5,969,871
Other Revenues			-
Revenue at Proposed Rates			\$ 6,432,471

Current Rates (NEMO/WEMO)			
Customer Charge	\$ 750.00	208	\$ 156,000
ISRS Charge	\$ 102.63	208	21,347
Delivery Charge	0.17276	5,988,865	1,034,636

Current Rates (SEMO)			
Customer Charge	\$ 750.00	306	\$ 229,500
ISRS Charge	\$ 109.49	306	33,505
Delivery Charge	0.20334	16,763,355	3,408,661

WNAR Revenues			\$ -
Total Revenues at Current Rates			\$ 4,883,649

PGA Rate (NEMO)	\$ 0.54904
PGA Rate (WEMO)	\$ 0.86923
PGA Rate (SEMO)	\$ 0.48712

Proposed Consolidated Rates - Large General Service				
Average Monthly Bill	Proposed	Current NEMO/WEMO	Current SEMO	
Average monthly use (CCF)	44,265	44,265	44,265	
Proposed rates				
Customer Charge	\$ 900.00	\$ 900.00	\$ 900.00	
ISRS Charge	\$ -	\$ -	\$ -	
Delivery Charge	11,614.53	11,614.53	11,614.53	
PGA Charge	24,303.26	38,476.47	21,562.37	
Total	\$ 36,817.79	\$ 50,991.00	\$ 34,076.90	
Current rates				
Customer Charge	\$ 750.00	\$ 750.00	\$ 750.00	
ISRS Charge	\$ 102.63	\$ 102.63	\$ 109.49	
Delivery Charge	7,647.22	7,647.22	9,000.85	
PGA Charge	24,303.26	38,476.47	21,562.37	
Total	\$ 32,803.11	\$ 46,976.32	\$ 31,422.70	

Base Rate Difference	\$ 4,014.68	\$ 4,014.68	\$ 2,654.19
	47.2%	47.2%	26.9%

Total Bill Difference	\$ 4,014.68	\$ 4,014.68	\$ 2,654.19
	12.2%	8.5%	8.4%

Bill Impact Analysis - Large General Service (NEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
2,879	18.7%	0.7%	\$ 1,655	\$ 1,350	\$ 305	22.6%	\$ 3,236	\$ 2,931	\$ 305	10.4%	
7,198	33.0%	3.1%	\$ 2,789	\$ 2,096	\$ 693	33.0%	\$ 6,741	\$ 6,048	\$ 693	11.4%	
14,396	62.7%	13.7%	\$ 4,677	\$ 3,340	\$ 1,338	40.1%	\$ 12,581	\$ 11,244	\$ 1,338	11.9%	
21,594	74.6%	20.9%	\$ 6,566	\$ 4,583	\$ 1,983	43.3%	\$ 18,422	\$ 16,439	\$ 1,983	12.1%	
28,793	79.9%	25.6%	\$ 8,455	\$ 5,827	\$ 2,628	45.1%	\$ 24,263	\$ 21,635	\$ 2,628	12.1%	
35,991	84.2%	30.6%	\$ 10,344	\$ 7,070	\$ 3,273	46.3%	\$ 30,104	\$ 26,831	\$ 3,273	12.2%	
43,189	85.2%	32.1%	\$ 12,232	\$ 8,314	\$ 3,918	47.1%	\$ 35,945	\$ 32,026	\$ 3,918	12.2%	
57,585	85.6%	33.2%	\$ 16,010	\$ 10,801	\$ 5,209	48.2%	\$ 47,626	\$ 42,417	\$ 5,209	12.3%	
86,378	88.0%	38.9%	\$ 23,564	\$ 15,775	\$ 7,789	49.4%	\$ 70,989	\$ 63,200	\$ 7,789	12.3%	
115,170	90.4%	47.8%	\$ 31,119	\$ 20,749	\$ 10,370	50.0%	\$ 94,352	\$ 83,982	\$ 10,370	12.3%	

Bill Impact Analysis - Large General Service (WEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
2,879	18.7%	0.7%	\$ 1,655	\$ 1,350	\$ 305	22.6%	\$ 4,158	\$ 3,853	\$ 305	7.9%	
7,198	33.0%	3.1%	\$ 2,789	\$ 2,096	\$ 693	33.0%	\$ 9,045	\$ 8,353	\$ 693	8.3%	
14,396	62.7%	13.7%	\$ 4,677	\$ 3,340	\$ 1,338	40.1%	\$ 17,191	\$ 15,853	\$ 1,338	8.4%	
21,594	74.6%	20.9%	\$ 6,566	\$ 4,583	\$ 1,983	43.3%	\$ 25,336	\$ 23,353	\$ 1,983	8.5%	
28,793	79.9%	25.6%	\$ 8,455	\$ 5,827	\$ 2,628	45.1%	\$ 33,482	\$ 30,854	\$ 2,628	8.5%	
35,991	84.2%	30.6%	\$ 10,344	\$ 7,070	\$ 3,273	46.3%	\$ 41,628	\$ 38,355	\$ 3,273	8.5%	
43,189	85.2%	32.1%	\$ 12,232	\$ 8,314	\$ 3,918	47.1%	\$ 49,773	\$ 45,855	\$ 3,918	8.5%	
57,585	85.6%	33.2%	\$ 16,010	\$ 10,801	\$ 5,209	48.2%	\$ 66,064	\$ 60,856	\$ 5,209	8.6%	
86,378	88.0%	38.9%	\$ 23,564	\$ 15,775	\$ 7,789	49.4%	\$ 98,647	\$ 90,858	\$ 7,789	8.6%	
115,170	90.4%	47.8%	\$ 31,119	\$ 20,749	\$ 10,370	50.0%	\$ 131,228	\$ 120,859	\$ 10,370	8.6%	

Bill Impact Analysis - Large General Service (SEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
5,478	23.1%	0.4%	\$ 2,337	\$ 1,973	\$ 364	18.4%	\$ 5,006	\$ 4,642	\$ 364	7.8%	
13,696	41.6%	3.2%	\$ 4,494	\$ 3,644	\$ 849	23.3%	\$ 11,165	\$ 10,316	\$ 849	8.2%	
27,391	59.7%	8.2%	\$ 8,087	\$ 6,429	\$ 1,658	25.8%	\$ 21,430	\$ 19,772	\$ 1,658	8.4%	
41,087	69.5%	13.1%	\$ 11,681	\$ 9,214	\$ 2,467	26.8%	\$ 31,695	\$ 29,228	\$ 2,467	8.4%	
54,782	74.0%	16.1%	\$ 15,274	\$ 11,999	\$ 3,275	27.3%	\$ 41,960	\$ 38,684	\$ 3,275	8.5%	
68,478	77.6%	19.4%	\$ 18,868	\$ 14,784	\$ 4,084	27.6%	\$ 52,225	\$ 48,141	\$ 4,084	8.5%	
82,173	85.1%	27.6%	\$ 22,461	\$ 17,569	\$ 4,893	27.8%	\$ 62,489	\$ 57,597	\$ 4,893	8.5%	
109,564	87.7%	31.1%	\$ 29,648	\$ 23,138	\$ 6,510	28.1%	\$ 83,019	\$ 76,509	\$ 6,510	8.5%	
164,347	88.6%	33.1%	\$ 44,022	\$ 34,278	\$ 9,745	28.4%	\$ 124,079	\$ 114,335	\$ 9,745	8.5%	
219,129	89.0%	34.1%	\$ 58,396	\$ 45,417	\$ 12,979	28.6%	\$ 165,139	\$ 152,159	\$ 12,979	8.5%	

**Liberty Utilities (Midstates Natural Gas): MO
Large Volume
Rate Design Workpaper**

Revenues	Base Revenues	PGA Revenues	Total Revenues
Target Revenues	451,314	574,814	1,026,128
Current Revenues	347,136	574,814	921,951
\$ Difference	104,178	-	104,178
% Difference	30.0%	0.0%	11.3%

	Total Use	NEMO/WEMO	SEMO
Annual Usage (CCF)	1,692,770	1,034,360	658,410
Number of Bills	48	24	24
Average Annual Use (CCF)	423,193	517,180	329,205

Large Volume

	Rate	Units	Revenues
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Proposed Rates

Customer Charge	\$ 900.00	48	\$ 43,200
ISRS Charge	\$ -	48	\$ -
Delivery Charge	\$ 0.24109	1,692,770	408,114
Other Revenues			-

Revenue at Proposed Rates		\$	451,314
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Current Rates (NEMO/WEMO)

Customer Charge	\$ 650.00	24	\$ 15,600
ISRS Charge	\$ 88.95	24	2,135
Delivery Charge	0.17002	1,034,360	175,862

Current Rates (SEMO)

Customer Charge	\$ 750.00	24	\$ 18,000
ISRS Charge	\$ 110.05	24	2,641
Delivery Charge	0.20179	658,410	132,861

WNAR Revenues		\$	-
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Total Revenues at Current Rates		\$	347,098
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PGA Rate (NEMO)	\$ 0.44219
PGA Rate (WEMO)	\$ 0.81032
PGA Rate (SEMO)	\$ 0.36314

Proposed Consolidated Rates - Large Volume

Average Monthly Bill	Proposed	Current NEMO/WEMO	Current SEMO
Average monthly use (CCF)	35,266	35,266	35,266
Proposed rates			
Customer Charge	\$ 900.00	\$ 900.00	\$ 900.00
ISRS Charge	\$ -	\$ -	\$ -
Delivery Charge	8,502.36	8,502.36	8,502.36
PGA Charge	15,594.27	28,576.75	12,806.50
Total	\$ 24,996.63	\$ 37,979.11	\$ 22,208.86

Proposed rates			
Customer Charge	\$ 650.00	\$ 650.00	\$ 750.00
ISRS Charge	\$ 88.95	\$ 88.95	\$ 110.05
Delivery Charge	5,995.93	5,995.93	7,116.33
PGA Charge	15,594.27	28,576.75	12,806.50
Total	\$ 22,329.14	\$ 35,311.62	\$ 20,782.87

Base Rate Difference	\$ 2,667.49	\$ 2,667.49	\$ 1,425.98
	39.6%	39.6%	17.9%

Total Bill Difference	\$ 2,667.49	\$ 2,667.49	\$ 1,425.98
	11.9%	7.6%	6.9%

Bill Impact Analysis - Large Volume (NEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
4,310	4.2%	0.5%	\$ 1,939	\$ 1,472	\$ 467	31.8%	\$ 3,845	\$ 3,378	\$ 467	13.8%	
10,775	20.8%	3.6%	\$ 3,498	\$ 2,571	\$ 927	36.1%	\$ 8,262	\$ 7,336	\$ 927	12.6%	
21,549	29.2%	8.1%	\$ 6,095	\$ 4,403	\$ 1,693	38.4%	\$ 15,624	\$ 13,931	\$ 1,693	12.1%	
32,324	33.3%	11.5%	\$ 8,693	\$ 6,235	\$ 2,458	39.4%	\$ 22,986	\$ 20,528	\$ 2,458	12.0%	
43,098	58.3%	33.9%	\$ 11,291	\$ 8,067	\$ 3,224	40.0%	\$ 30,348	\$ 27,124	\$ 3,224	11.9%	
53,873	70.8%	49.0%	\$ 13,888	\$ 9,898	\$ 3,990	40.3%	\$ 37,710	\$ 33,721	\$ 3,990	11.8%	
64,648	83.3%	68.0%	\$ 16,486	\$ 11,730	\$ 4,756	40.5%	\$ 45,073	\$ 40,317	\$ 4,756	11.8%	
86,197	100.0%	100.0%	\$ 21,681	\$ 15,394	\$ 6,287	40.8%	\$ 59,797	\$ 53,510	\$ 6,287	11.7%	
129,295	100.0%	100.0%	\$ 32,072	\$ 22,722	\$ 9,350	41.2%	\$ 89,245	\$ 79,895	\$ 9,350	11.7%	
172,393	100.0%	100.0%	\$ 42,463	\$ 30,049	\$ 12,413	41.3%	\$ 118,693	\$ 106,280	\$ 12,413	11.7%	

Bill Impact Analysis - Large Volume (WEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
4,310	4.2%	0.5%	\$ 1,939	\$ 1,472	\$ 467	31.8%	\$ 5,432	\$ 4,964	\$ 467	9.4%	
10,775	20.8%	3.6%	\$ 3,498	\$ 2,571	\$ 927	36.1%	\$ 12,229	\$ 11,302	\$ 927	8.2%	
21,549	29.2%	8.1%	\$ 6,095	\$ 4,403	\$ 1,693	38.4%	\$ 23,557	\$ 21,864	\$ 1,693	7.7%	
32,324	33.3%	11.5%	\$ 8,693	\$ 6,235	\$ 2,458	39.4%	\$ 34,886	\$ 32,427	\$ 2,458	7.6%	
43,098	58.3%	33.9%	\$ 11,291	\$ 8,067	\$ 3,224	40.0%	\$ 46,214	\$ 42,990	\$ 3,224	7.5%	
53,873	70.8%	49.0%	\$ 13,888	\$ 9,898	\$ 3,990	40.3%	\$ 57,543	\$ 53,553	\$ 3,990	7.5%	
64,648	83.3%	68.0%	\$ 16,486	\$ 11,730	\$ 4,756	40.5%	\$ 68,872	\$ 64,116	\$ 4,756	7.4%	
86,197	100.0%	100.0%	\$ 21,681	\$ 15,394	\$ 6,287	40.8%	\$ 91,529	\$ 85,241	\$ 6,287	7.4%	
129,295	100.0%	100.0%	\$ 32,072	\$ 22,722	\$ 9,350	41.2%	\$ 136,842	\$ 127,492	\$ 9,350	7.3%	
172,393	100.0%	100.0%	\$ 42,463	\$ 30,049	\$ 12,413	41.3%	\$ 182,156	\$ 169,743	\$ 12,413	7.3%	

Bill Impact Analysis - Large Volume (SEMO)											
Monthly Use	Cumulative Bills	Cumulative Use	Annual Bill (w/o PGA)				Annual Bill (w/ PGA)				
			Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	Proposed Monthly Bill	Current Monthly Bill	Difference (\$)	Difference (%)	
2,743	4.2%	1.0%	\$ 1,561	\$ 1,414	\$ 148	10.5%	\$ 2,557	\$ 2,410	\$ 148	6.1%	
6,858	20.8%	6.8%	\$ 2,553	\$ 2,244	\$ 309	13.8%	\$ 5,044	\$ 4,734	\$ 309	6.5%	
13,717	33.3%	16.1%	\$ 4,207	\$ 3,628	\$ 579	16.0%	\$ 9,188	\$ 8,609	\$ 579	6.7%	
20,575	83.3%	64.8%	\$ 5,860	\$ 5,012	\$ 849	16.9%	\$ 13,332	\$ 12,483	\$ 849	6.8%	
27,434	87.5%	71.6%	\$ 7,514	\$ 6,396	\$ 1,118	17.5%	\$ 17,476	\$ 16,358	\$ 1,118	6.8%	
34,292	95.8%	89.4%	\$ 9,168	\$ 7,780	\$ 1,388	17.8%	\$ 21,620	\$ 20,233	\$ 1,388	6.9%	
41,151	95.8%	89.4%	\$ 10,821	\$ 9,164	\$ 1,657	18.1%	\$ 25,765	\$ 24,107	\$ 1,657	6.9%	
54,868	100.0%	100.0%	\$ 14,128	\$ 11,932	\$ 2,196	18.4%	\$ 34,053	\$ 31,857	\$ 2,196	6.9%	
82,301	100.0%	100.0%	\$ 20,742	\$ 17,468	\$ 3,275	18.7%	\$ 50,629	\$ 47,354	\$ 3,275	6.9%	
109,735	100.0%	100.0%	\$ 27,356	\$ 23,003	\$ 4,353	18.9%	\$ 67,205	\$ 62,853	\$ 4,353	6.9%	

Liberty Utilities (Midstates Natural Gas): MO Customer-related Costs	Total Company	Residential RS	Small General Srv SGS	Medium General Srv MGS	Large General Srv LGS	Large Volume LV
Fully Allocated Customer Costs						
Rate Base	\$ 109,709,646	\$ 85,481,049	\$ 12,792,924	\$ 8,890,128	\$ 2,314,612	\$ 230,933
Net Income after taxes	9,159,460	7,136,659	1,068,058	742,221	193,243	19,280
Add: Income Taxes	2,867,162	2,233,970	334,332	232,335	60,490	6,035
Net income before taxes & interest	\$ 9,370,628	\$ 9,370,628	\$ 1,402,390	\$ 974,556	\$ 253,733	\$ 25,315
Add: O&M	\$ 12,089,420	\$ 9,756,152	\$ 1,437,394	\$ 711,291	\$ 167,698	\$ 16,884
Add: Depreciation	7,214,917	5,508,564	878,085	667,270	147,352	13,647
Add: Amortization	466,079	364,777	55,529	35,332	9,555	885
Add: Interest on Customer Deposits	161,613	66,328	50,925	28,624	15,737	-
Add: Taxes other than income	3,766,788	2,965,612	448,247	276,248	70,181	6,500
Required Customer Revenues	\$ 33,069,446	\$ 28,032,061	\$ 4,272,569	\$ 2,693,322	\$ 664,257	\$ 63,232
Number of Customers	52,711	45,817	5,954	893	43	4
Monthly cost per customer	\$ 52.28	\$ 50.99	\$ 59.80	\$ 251.24	\$ 1,292.33	\$ 1,317.33