Marquette Board of Light & Power
Rate Design 2008
30-Sep-07

Utility Financial Solutions, LLC

City of Marquette
Rate Design - 2007/2008

	Current	Proposed	% Increase
Residential Rate U1	3,458,317	3,519,836	1.78%
Residential Rate All Electric U2	461,326	475,938	3.17%
City General Service U3	1,506,853	1,556,061	3.27%
General Service All Electric U4	272,048	286,897	5.46%
City Power Service - U5	2,284,859	2,411,964	5.56%
City Large Power Service - U6	3,779,293	3,880,177	2.67%
Rural Residential Rate R1	3,437,664	3,507,009	2.02%
Rural Residential Rate All Electric R2	593,944	607,265	2.24%
Rural Seasonal Rate R8	10,793	11,811	9.43%
Rural General Service R3	757,633	774,250	2.19%
Rural General Service All Electric R4	260,459	270,808	3.97%
Rural Power Service R5	1,491,037	1,569,006	5.23%
Service to Other Utilities	1,041,223	1,172,170	12.58%
Rural Large Power Service - R6	1,135,402	1,194,864	5.24%
New Rate Above 5000 kW Primary Metere	2,520,599	2,571,447	2.02%
Street Lighting	336,644	358,526	6.50%
Total	**$ 23,348,094**	**$ 24,168,028**	**3.50%**

City of Marquette

Rate Design 2008

Residential Rate U1

Current Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 4.90	$ 0.0705	$ 0.0545

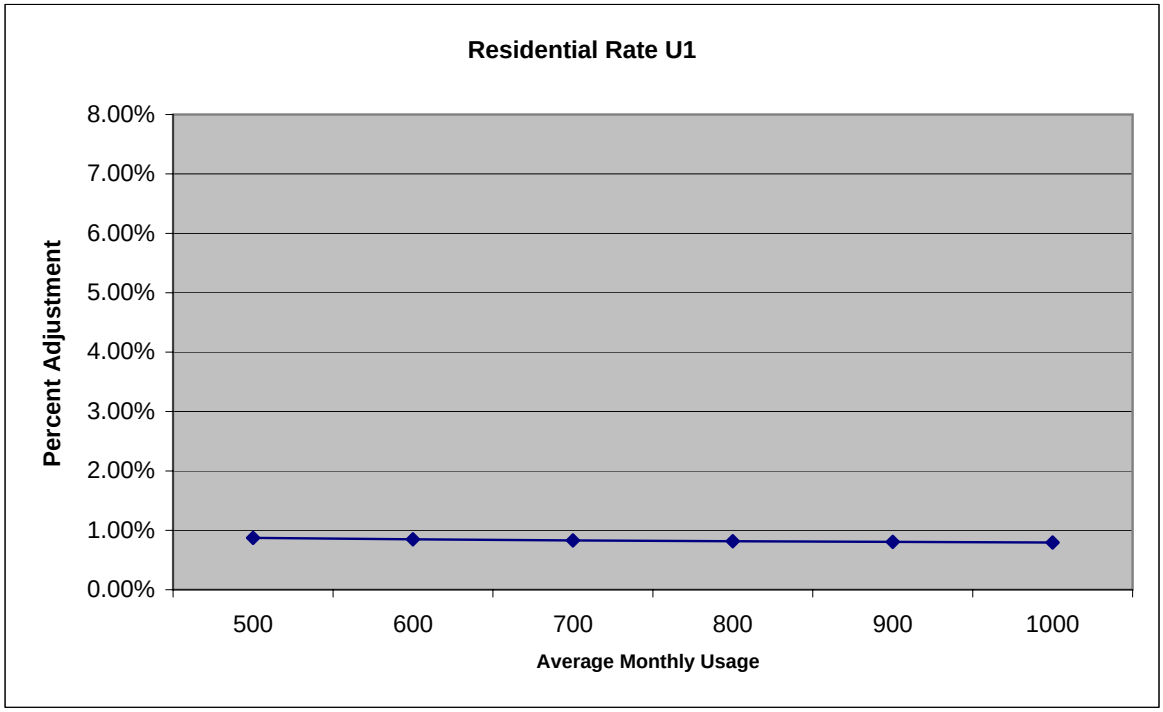
Proposed Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 5.00	$ 0.0710	$ 0.0620

Dollar Impact of Rate Design

	Usage	Monthly Impact	Usage	Monthly Impact
Average Monthly Usage	**500**	**$ 0.35**	800	0.50
	600	0.40	900	0.55
	700	0.45	1000	$ 0.60

Estimated Change in Revenues

Current Revenues	$ 3,458,317
Proposed Revenues	3,519,836
Percentage Change	1.8%



City of Marquette

Rate Design 2008

Residential Rate All Electric U2

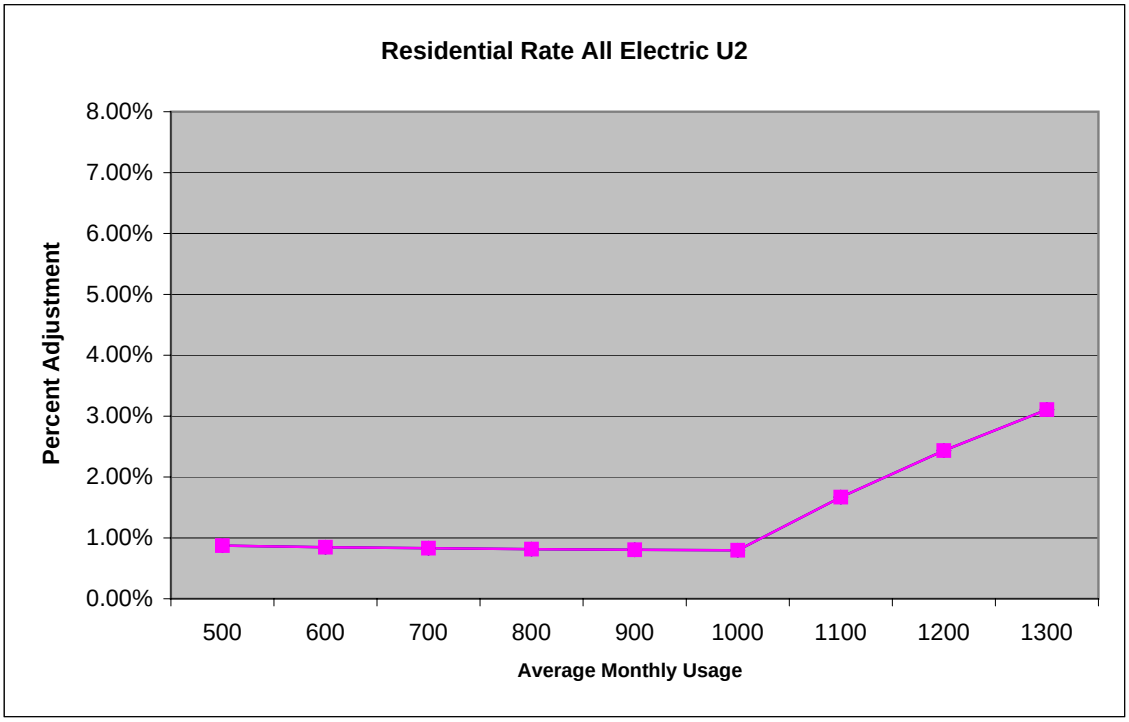
	Monthly Rate	First kWh's 1,000	All Over 1,000
Current Rate			
All Season	$ 4.90	$ 0.0705	$ 0.0545

	Monthly Rate	First kWh's 1,000	All Over 1,000
Proposed Rate			
All Season	$ 5.00	$ 0.0710	$ 0.0620

	Usage	Monthly Impact	Usage	Monthly Impact
	500	0.35	1000	0.60
	600	0.40	1100	1.35
	700	0.45	1200	2.10
Average Monthly Usage	**800**	**0.50**	1300	2.85
	900	0.55		

Estimated Change in Revenues

Current Revenues	$ 461,326
Proposed Revenues	475,938
Percentage Change	3.2%



City of Marquette

Rate Design 2008

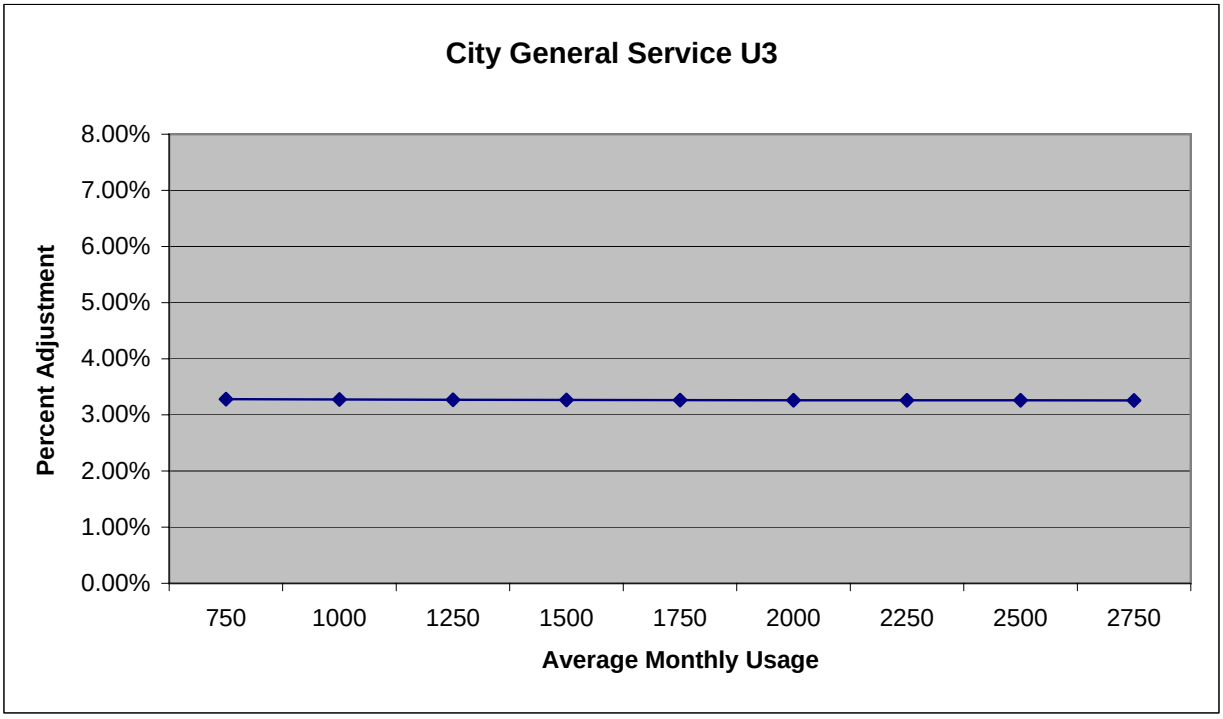
City General Service U3

Current Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ -	$ 0.1200	$ 0.1007	$ 0.0770	$ 0.0652
Summer	$ -	$ 0.1200	$ 0.1007	$ 0.0770	$ 0.0652

Proposed Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ 5.00	$ 0.0990	$ 0.0990	$ 0.0795	$ 0.0682
Summer	$ 5.00	$ 0.0990	$ 0.0990	$ 0.0795	$ 0.0682

Estimated Change in Revenues

Current Revenues	$ 1,506,853
Proposed Revenues	1,556,061
Percentage Change	3.3%



City of Marquette

Rate Design 2008

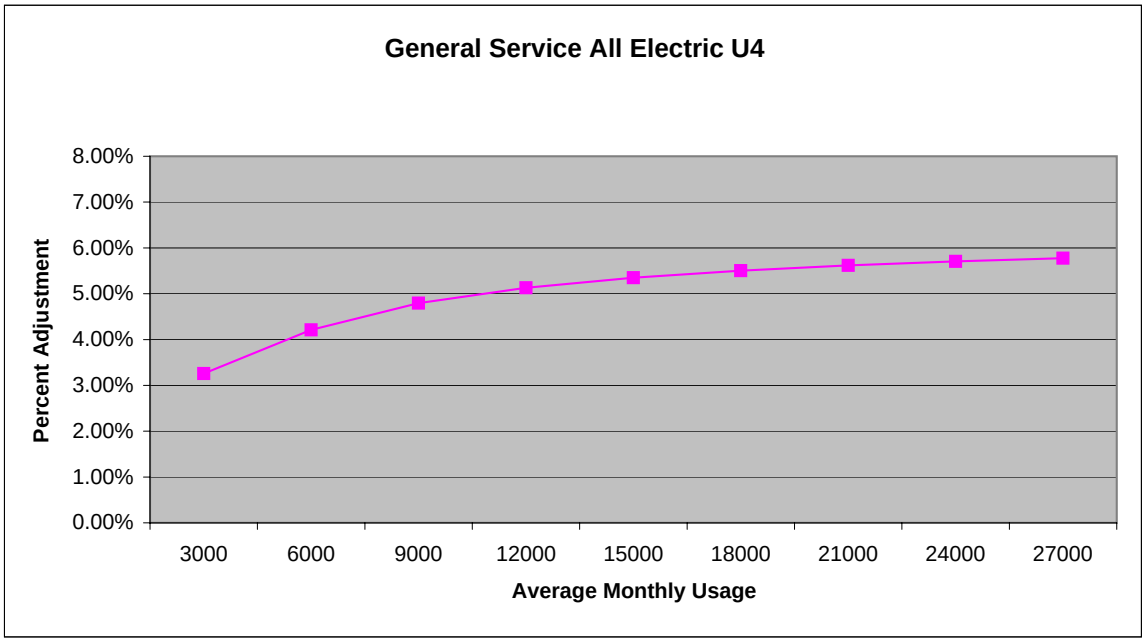
General Service All Electric U4

Current Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ -	$ 0.1200	$ 0.1007	$ 0.0770	$ 0.0501
Summer	$ -	$ 0.1200	$ 0.1007	$ 0.0770	$ 0.0501

Proposed Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ 5.00	$ 0.0990	$ 0.0990	$ 0.0795	$ 0.0533
Summer	$ 5.00	$ 0.0990	$ 0.0990	$ 0.0795	$ 0.0533

Estimated Change in Revenues

Current Revenues	$ 272,048
Proposed Revenues	286,897
Percentage Change	5.5%



City of Marquette

Rate Design 2008

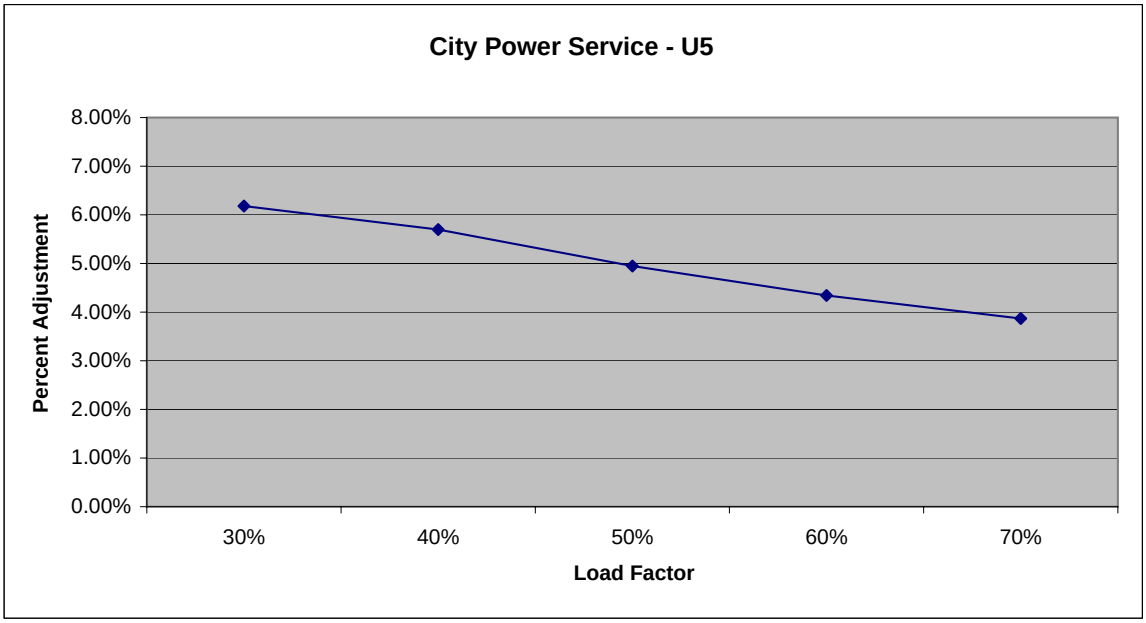
City Power Service - U5

Current Rate	**Demand Under 25**	**Demand >25**	**First kWh's 1,500**	**Next 13,500**	**Next 15,000**	**All Additional**
Winter Rate	$ 150.00	$ 6.00	$ 0.0679	$ 0.0503	$ 0.0473	$ 0.0473
Summer	$ 150.00	$ 6.00	$ 0.0679	$ 0.0503	$ 0.0473	$ 0.0473

Proposed Rate	**Demand Under 25**	**Demand >25**	**First kWh's 1,500**	**Next 13,500**	**Next 15,000**	**All Additional**
Winter Rate	$ 175.00	$ 7.00	$ 0.0600	$ 0.0520	$ 0.0473	$ 0.0473
Summer	$ 175.00	$ 7.00	$ 0.0600	$ 0.0520	$ 0.0473	$ 0.0473

Estimated Change in Revenues

Current Revenues	$ 2,284,859
Proposed Revenues	2,411,964
Percentage Change	5.6%



City of Marquette

Rate Design 2008

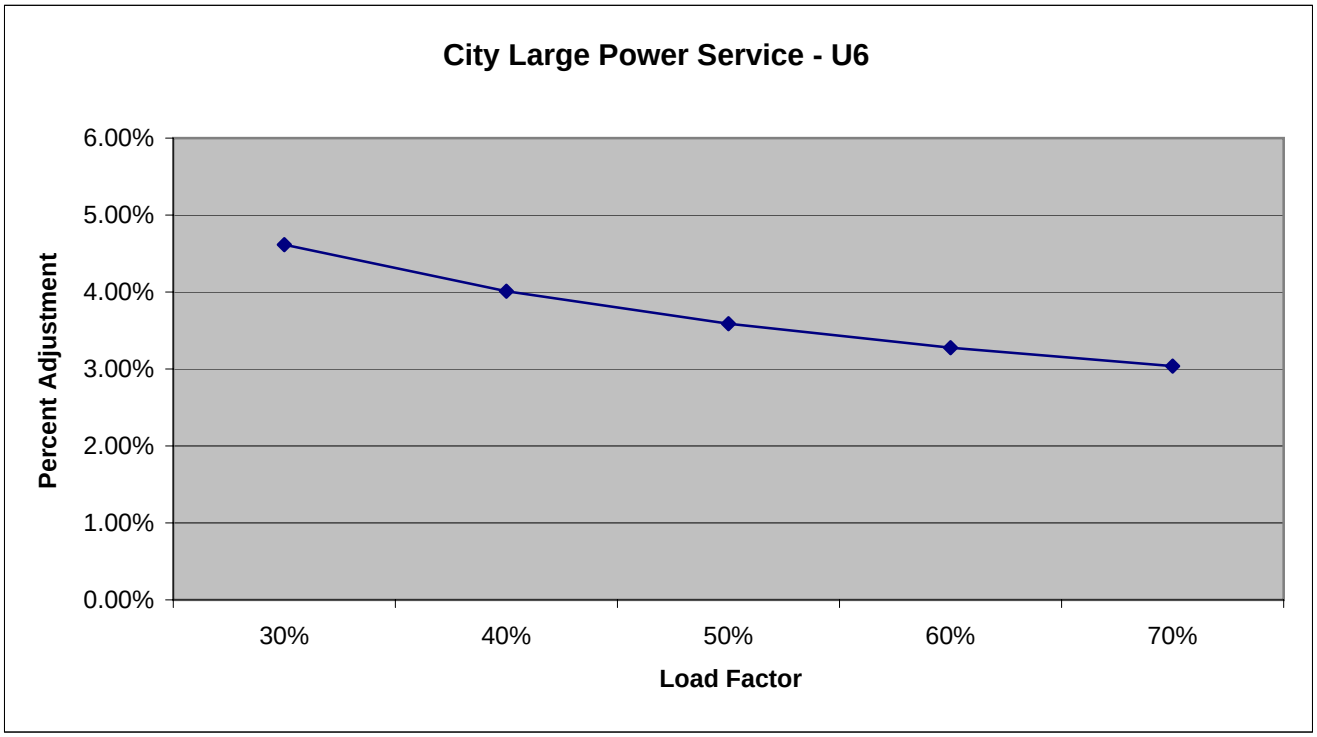
City Large Power Service - U6

Current Rate	**Demand Under 200**	**Demand >200**	**All kWh**
Winter Rate	$ 1,200.00	$ 5.55	$ 0.0494
Summer	$ 1,200.00	$ 5.55	$ 0.0494

Proposed Rate	**Demand Under 200**	**Demand >200**	**All kWh**
Winter Rate	$ 1,300.00	$ 6.50	$ 0.0500
Summer	$ 1,300.00	$ 6.50	$ 0.0500

Estimated Change in Revenues

Current Revenues	$ 3,779,293
Proposed Revenues	3,880,177
Percentage Change	2.7%



City of Marquette

Rate Design 2008

Rural Residential Rate R1

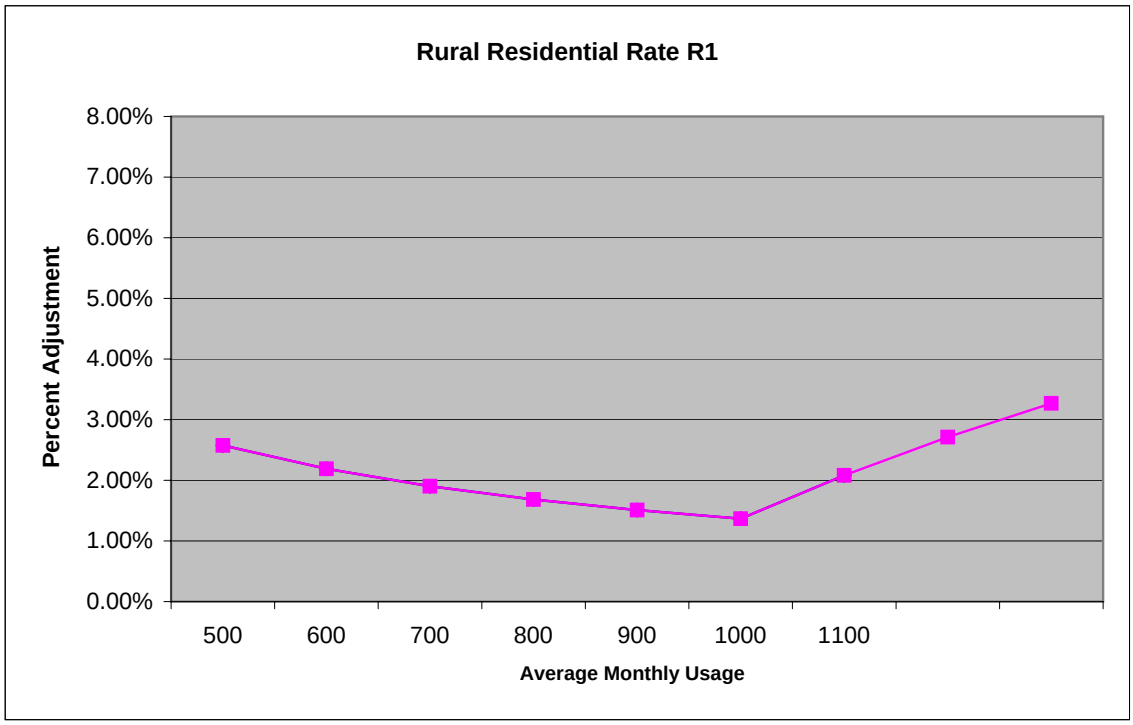
Current Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 4.90	$ 0.0755	$ 0.0551
Plus Utility Review	$ 0.05		

Proposed Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 6.00	$ 0.0755	$ 0.0620
Plus Utility Review	$ 0.05		

Estimated Change in Revenues

Current Revenues	$ 3,437,664
Proposed Revenues	3,507,009
Percentage Change	2.0%

Usage	Monthly Impact	Usage	Monthly Impact
500	$ 1.10	900	$ 1.10
600	$ 1.10	1000	$ 1.10
700	$ 1.10	1100	$ 1.79
Average Monthly Usage 800	**$ 1.10**		



City of Marquette

Rate Design 2008

Rural Residential Rate All Electric R2

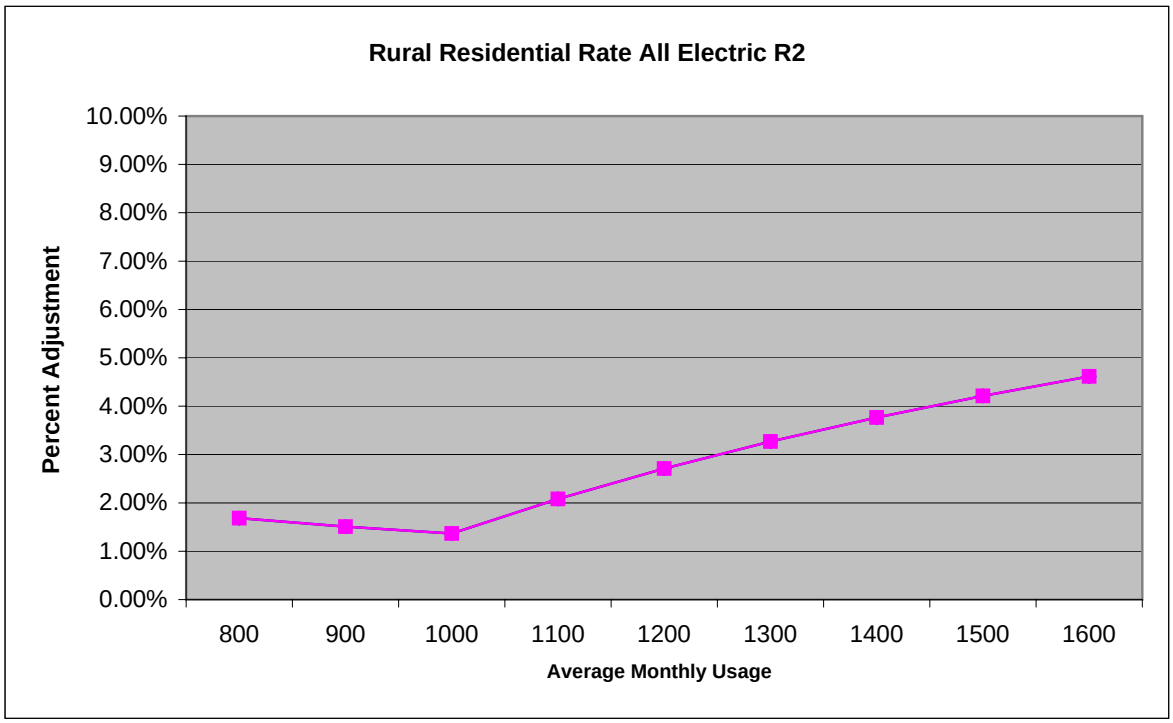
Current Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 4.90	$ 0.0755	$ 0.0551
Plus Utility Review	$ 0.05		

Proposed Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 6.00	$ 0.0755	$ 0.0620
Plus Utility Review	$ 0.05		

Estimated Change in Revenues

Current Revenues	$ 593,944
Proposed Revenues	607,265
Percentage Change	2.2%

	Usage	Monthly Impact	Usage	Monthly Impact
	800	$ 1.10	1200	$ 2.48
	900	$ 1.10	1300	$ 3.17
	1000	$ 1.10	1400	$ 3.86
Average Monthly Usage	**1100**	**$ 1.79**		



City of Marquette

Rate Design 2008

Rural Seasonal Rate R8

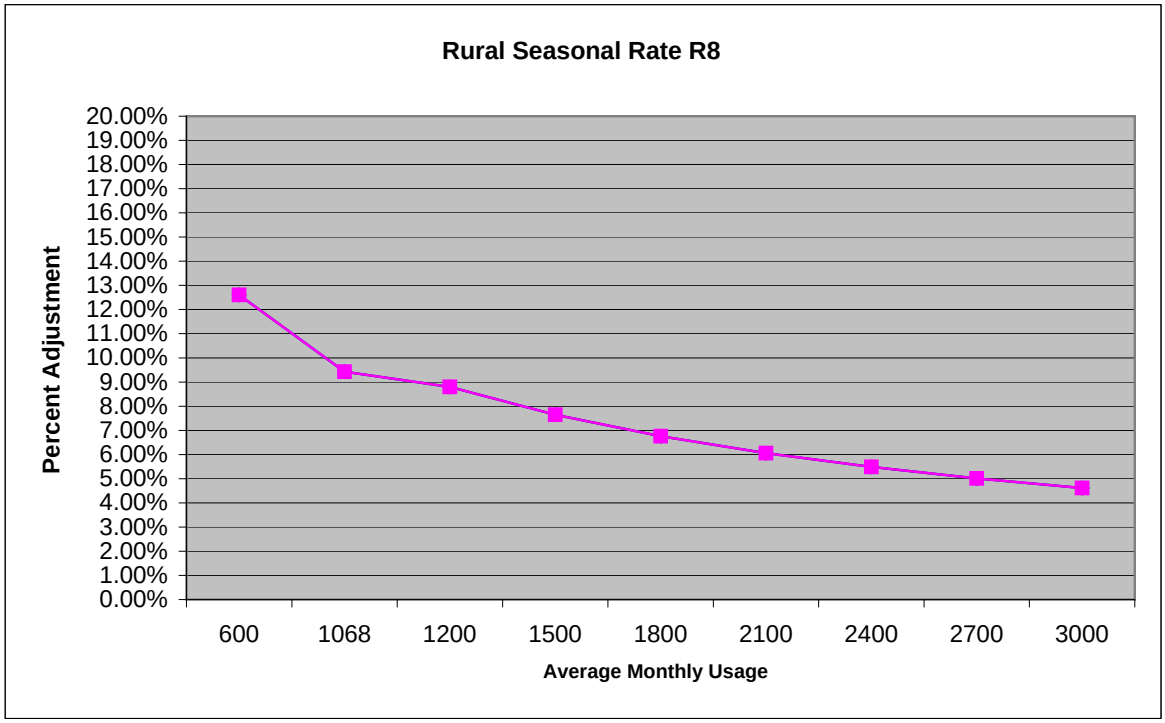
Current Rate	Annual Charge	First kWh's 12,000	All Over 12,000
All Season	$ 58.80	$ 0.0755	$ 0.0551
Utility Review	$ 0.60		

Proposed Rate	Annual Charge	First kWh's 12,000	All Over 12,000
All Season	$ 72.00	$ 0.0755	$ 0.0620
Utility Review	$ 0.60		

Estimated Change in Revenues

Current Revenues	$ 10,793
Proposed Revenues	11,811
Percentage Change	9.4%

	Usage	Monthly Impact	Usage	Monthly Impact
Average Monthly Usage	**1068**	**$ 13.20**	2100	$ 13.20
	1200	$ 13.20	2400	$ 13.20
	1500	$ 13.20	2700	$ 13.20
	1800	$ 13.20		



City of Marquette

Rate Design 2008

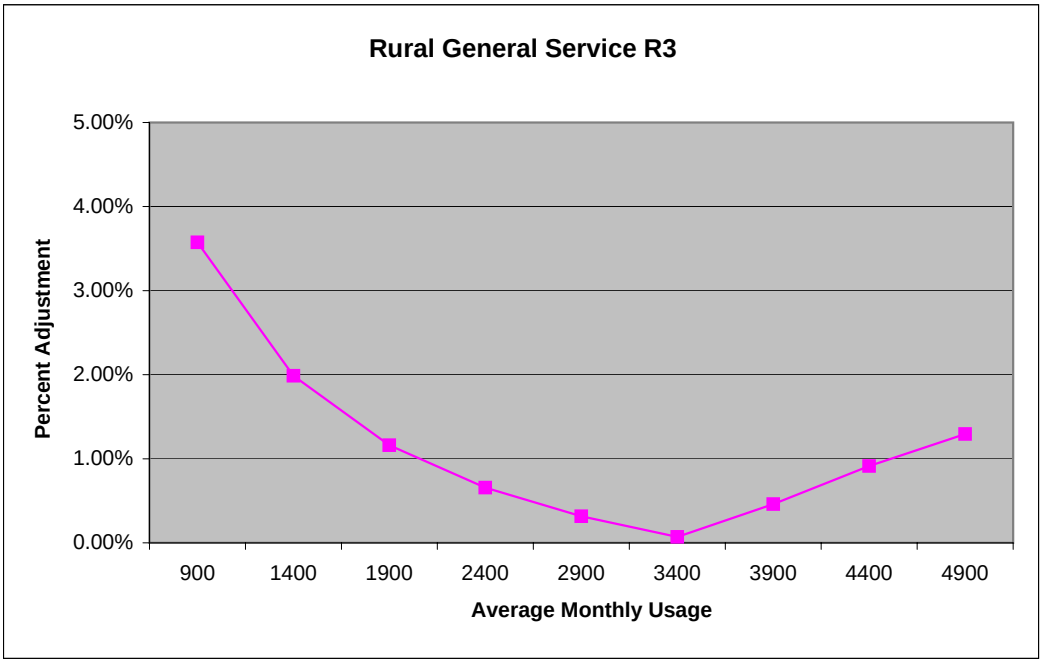
Rural General Service R3

		First kWh's	Next	Next	All
Current Rate	**Customer Charge**	**100**	**500**	**2,900**	**Additional**
Winter Rate	$ -	$ 0.1233	$ 0.1050	$ 0.0832	$ 0.0646
Summer	$ -	$ 0.1233	$ 0.1050	$ 0.0832	$ 0.0646
Utility Review Committee	0.10				

		First kWh's	Next	Next	All
Proposed Rate	**Customer Charge**	**100**	**500**	**2,900**	**Additional**
Winter Rate	$ 9.00	$ 0.0990	$ 0.0990	$ 0.0820	$ 0.0682
Summer	$ 9.00	$ 0.0990	$ 0.0990	$ 0.0820	$ 0.0682
Utility Review Committee	0.10				

Estimated Change in Revenues

Current Revenues	$ 757,633
Proposed Revenues	774,250
Percentage Change	2.2%



City of Marquette

Rate Design 2008

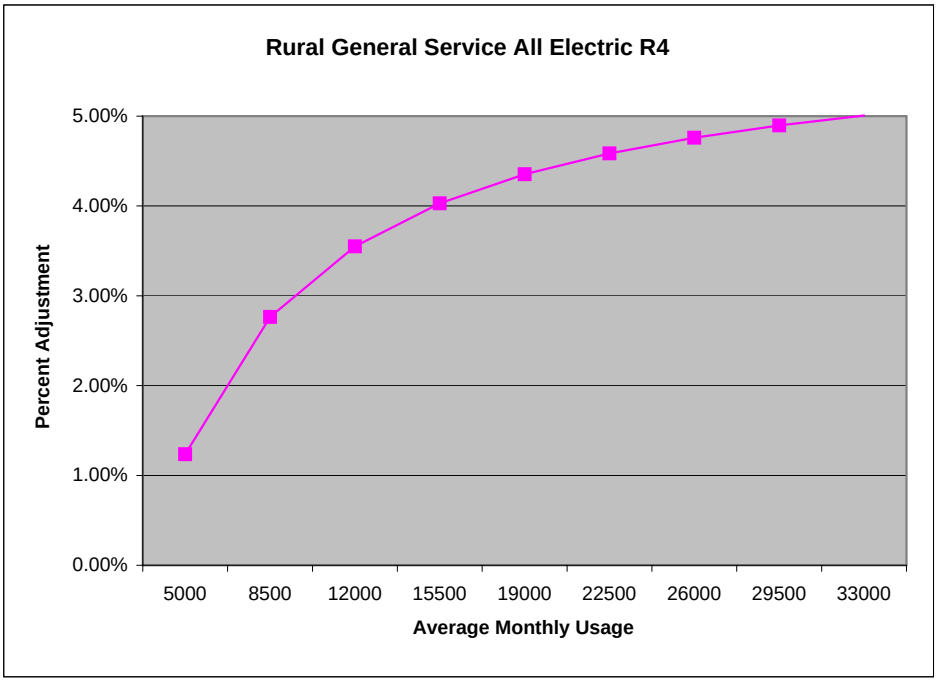
Rural General Service All Electric R4

		First kWh's	Next	Next	All
Current Rate	**Customer Charge**	**100**	**500**	**2,900**	**Additional**
Winter Rate	$ -	$ 0.1233	$ 0.1050	$ 0.0832	$ 0.0516
Summer	$ -	$ 0.1233	$ 0.1050	$ 0.0832	$ 0.0516
Utility Review Committee	0.10				

		First kWh's	Next	Next	All
Proposed Rate	**Customer Charge**	**100**	**500**	**2,900**	**Additional**
Winter Rate	$ 9.00	$ 0.0990	$ 0.0990	$ 0.0820	$ 0.0547
Summer	$ 9.00	$ 0.0990	$ 0.0990	$ 0.0820	$ 0.0547
Utility Review Committee	0.10				

Estimated Change in Revenues

Current Revenues	$ 260,459
Proposed Revenues	270,808
Percentage Change	4.0%



City of Marquette

Rate Design 2008

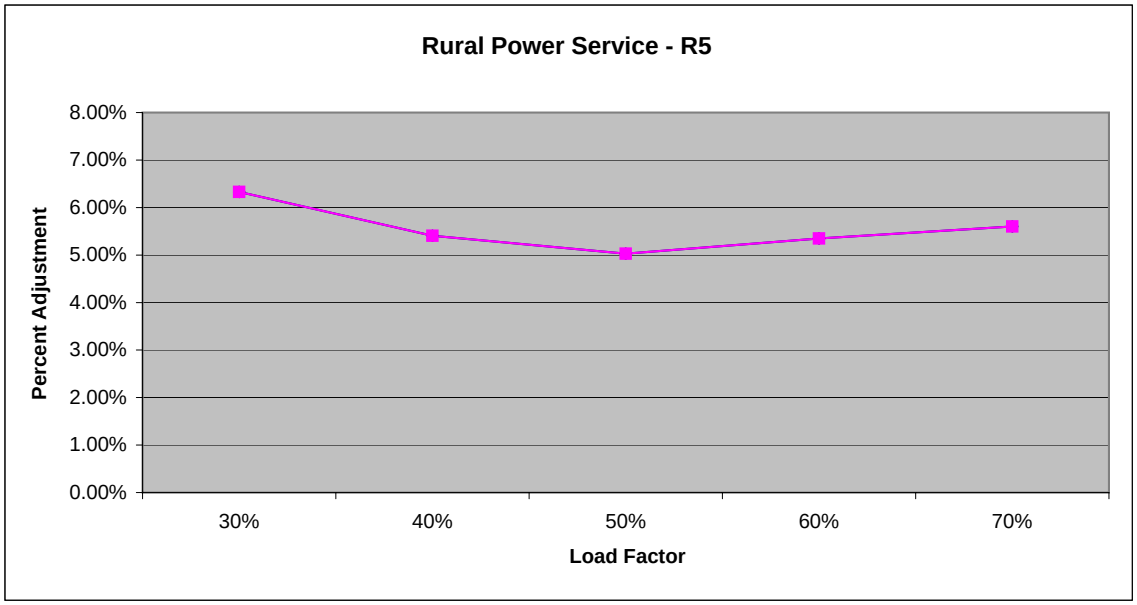
Rural Power Service R5

			First kWh's	Next	Next (all over)	All
Current Rate	**Demand Under 25**	**Demand >25**	**1,500**	**13,500**	**15,000**	**Additional**
Winter Rate	$ 150.00	$ 6.00	$ 0.0647	$ 0.0471	$ 0.0441	$ 0.0441
Summer	$ 150.00	$ 6.00	$ 0.0647	$ 0.0471	$ 0.0441	$ 0.0441
Utility Review Per kW	$ 2.00					

			First kWh's	Next	Next	All
Proposed Rate	**Demand Under 25**	**Demand >25**	**1,500**	**13,500**	**15,000**	**Additional**
Winter Rate	$ 175.00	7.00	$ 0.0647	$ 0.0475	$ 0.0475	$ 0.0475
Summer	$ 175.00	7.00	$ 0.0647	$ 0.0475	$ 0.0475	$ 0.0475
Utility Review	$ 2.00					

Estimated Change in Revenues

Current Revenues	$ 1,491,037
Proposed Revenues	1,569,006
Percentage Change	5.2%



City of Marquette

Rate Design 2008

Service to Other Utilities

Current Rate	Monthly Charge	Demand Charge	kWh Charge First 200	Excess kWh's
Winter Rate	$ -	$ 6.20	0.051	0.051
Summer	$ -	$ 6.20	0.051	0.051

Proposed Rate	Monthly Charge	Demand Charge	kWh Charge First 200	Excess kWh's
Winter Rate	0.00	$ 9.98	0.0510	0.0510
Summer Rate	0.00	$ 9.98	0.0510	0.0510

Estimated Change in Revenues

Current Revenues	$ 1,041,223
Proposed Revenues	1,172,170
Percentage Change	12.6%

City of Marquette

Rate Design 2008

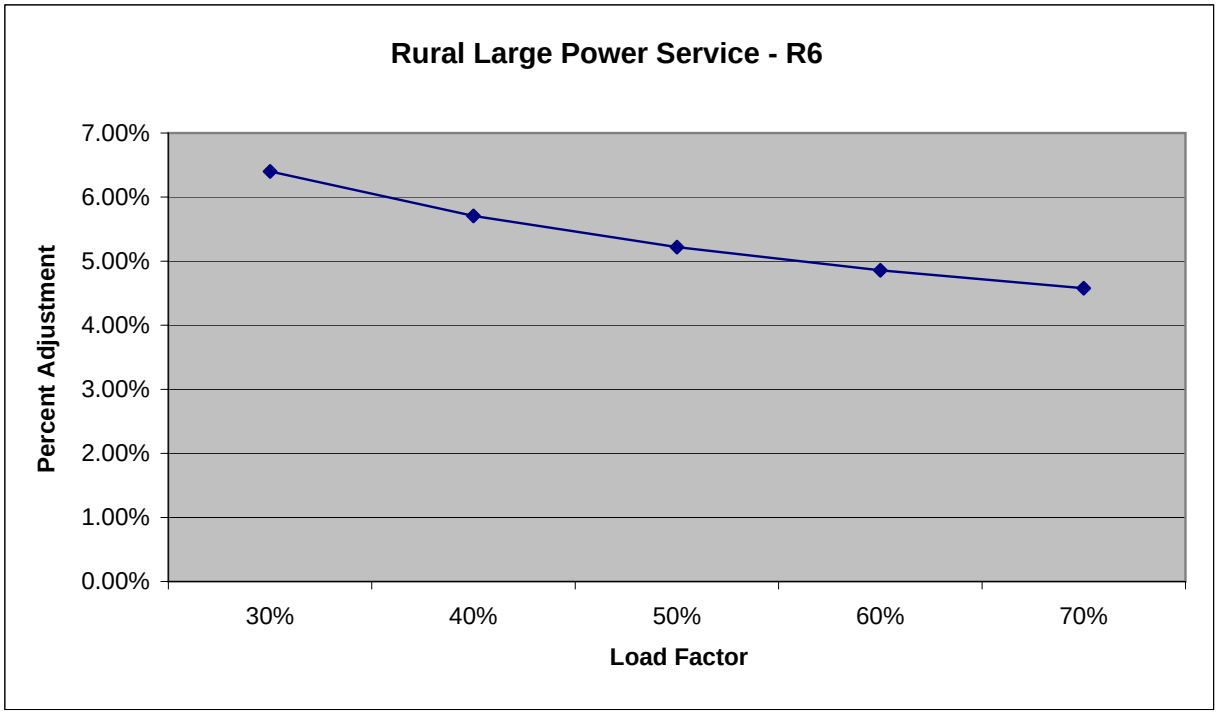
Rural Large Power Service - R6

Current Rate	**Demand Under 200**	**Demand >200**	**All kWh**
Winter Rate	$ 1,200.00	$ 5.55	$ 0.0454
Summer	$ 1,200.00	$ 5.55	$ 0.0454
Utility Review	2.00		

Proposed Rate	**Demand Under 200**	**Demand >200**	**All kWh**
Winter Rate	$ 1,300.00	$ 6.50	$ 0.0465
Summer	$ 1,300.00	$ 6.50	$ 0.0465
Utility Review	2.00		

Estimated Change in Revenues

Current Revenues	$ 1,135,402
Proposed Revenues	1,194,864
Percentage Change	5.2%



City of Marquette

Rate Design 2008

New Rate Above 5000 kW Primary Metered

Current Rate	**Demand**		**All kWh**	
Winter Rate	$	5.55	$	0.0494
Summer	$	5.55	$	0.0494

Proposed Rate	**Demand**		**All kWh**	
Winter Rate	$	6.370	$	0.0490
Summer	$	6.370	$	0.0490

Estimated Change in Revenues		
Current Revenues	$	2,520,599
Proposed Revenues		2,571,447
Percentage Change		2.0%

City of Marquette

Rate Design 2008

Street Lighting

Current Rate	**9 or Fewer Lights**	**10 Or More**	**All kWh**
Municipal Street Lighting "MU"			$ 0.1254
Dusk to Dawn Outdoor Lighting (100 Watt)	$ 6.76	$ 6.24	

Proposed Rate	**9 or Fewer Lights**	**10 Or More**	**All kWh**
Municipal Street Lighting "MU"			$ 0.1336
Dusk to Dawn Outdoor Lighting (100 Watt)	$ 7.20	$ 6.65	

Estimated Change in Revenues	
Current Revenues	$ 336,644
Proposed Revenues	358,526
Percentage Change	6.5%

Marquette Board of Light & Power
Rate Design 2009
30-Sep-07

Utility Financial Solutions, LLC

City of Marquette
Rate Design 2009

	Current	Proposed	% Increase
Residential Rate U1	3,458,317	3,566,250	3.12%
Residential Rate All Electric U2	461,326	476,622	3.32%
City General Service U3	1,506,853	1,544,934	2.53%
General Service All Electric U4	272,048	287,134	5.55%
City Power Service - U5	2,284,859	2,408,967	5.43%
City Large Power Service - U6	3,779,293	3,903,982	3.30%
Rural Residential Rate R1	3,437,664	3,561,253	3.60%
Rural Residential Rate All Electric R2	593,944	608,907	2.52%
Rural Seasonal Rate R8	10,793	12,484	15.66%
Rural General Service R3	757,633	779,293	2.86%
Rural General Service All Electric R4	260,459	274,217	5.28%
Rural Power Service R5	1,491,037	1,569,882	5.29%
Service to Other Utilities	1,041,223	1,041,223	0.00%
Rural Large Power Service - R6	1,135,402	1,175,843	3.56%
New Rate Above 5000 kW Primary Metere	2,520,599	2,612,406	3.64%
Street Lighting	358,526	381,830	6.50%
Total	**$ 23,369,976**	**$ 24,205,226**	**3.50%**

City of Marquette

Rate Design 2009

Residential Rate U1

Current Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 5.00	$ 0.0710	$ 0.0620

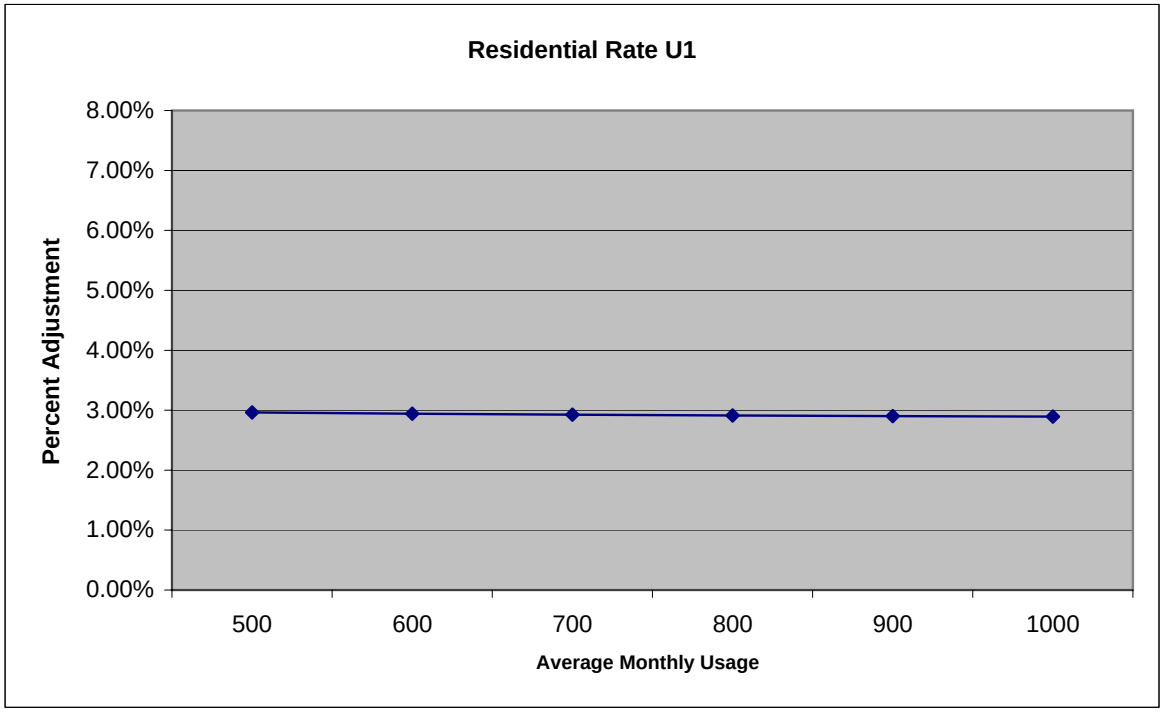
Proposed Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 5.20	$ 0.0730	$ 0.0650

Dollar Impact of Rate Design

	Usage	Monthly Impact	Usage	Monthly Impact
Average Monthly Usage	**500**	**$ 1.20**	800	1.80
	600	1.40	900	2.00
	700	1.60	1000	$ 2.20

Estimated Change in Revenues

Current Revenues	$ 3,458,317
Proposed Revenues	3,566,250
Percentage Change	3.1%



City of Marquette

Rate Design 2009

Residential Rate All Electric U2

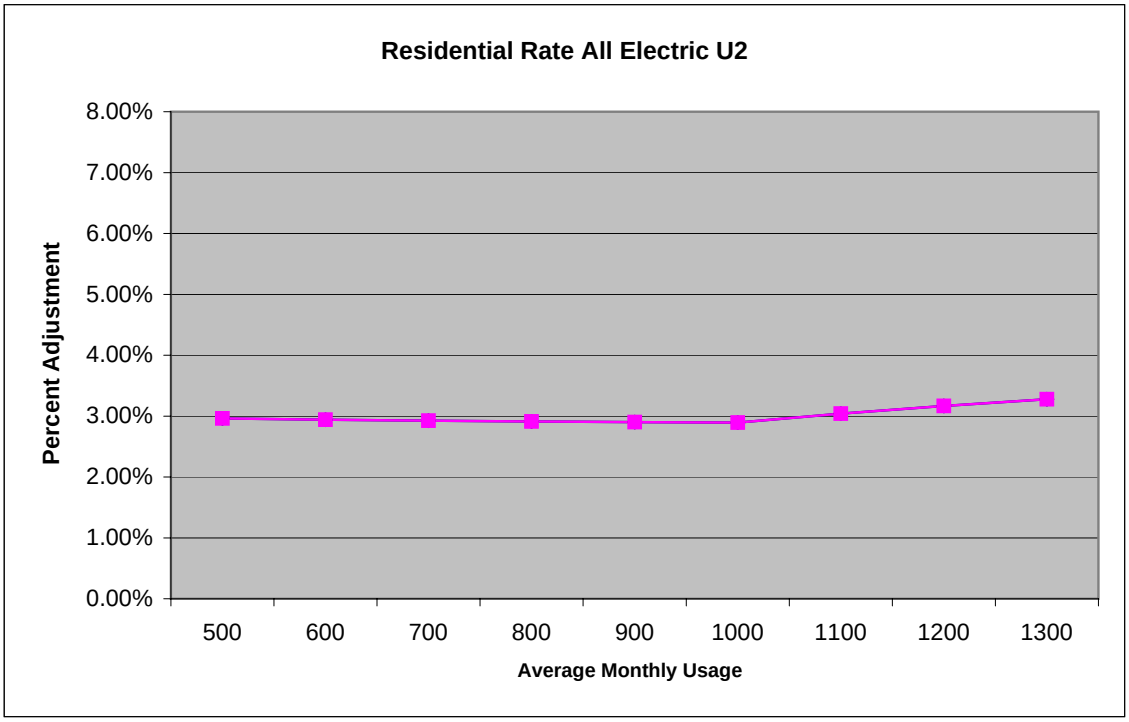
	Monthly Rate	First kWh's 1,000	All Over 1,000
Current Rate			
All Season	$ 5.00	$ 0.0710	$ 0.0620

	Monthly Rate	First kWh's 1,000	All Over 1,000
Proposed Rate			
All Season	$ 5.20	$ 0.0730	$ 0.0650

	Usage	Monthly Impact	Usage	Monthly Impact
	500	1.20	1000	2.20
	600	1.40	1100	2.50
	700	1.60	1200	2.80
Average Monthly Usage	**800**	**1.80**	1300	3.10
	900	2.00		

Estimated Change in Revenues

Current Revenues	$ 461,326
Proposed Revenues	476,622
Percentage Change	3.3%



City of Marquette

Rate Design 2009

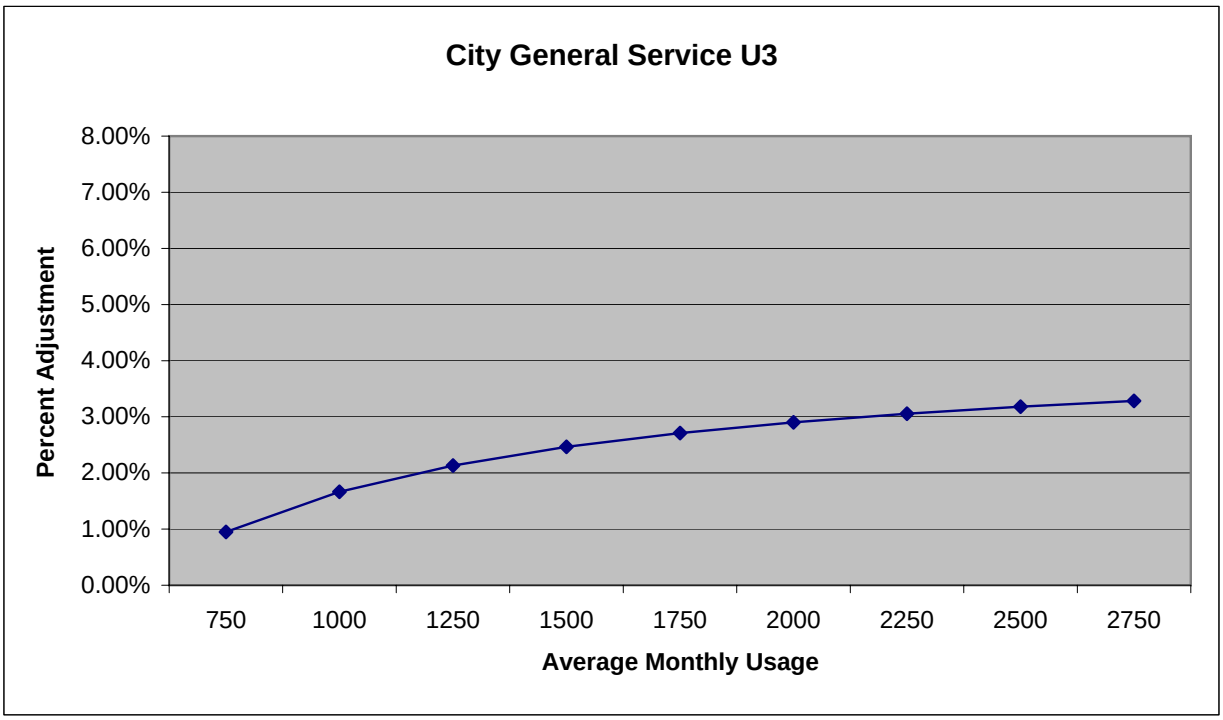
City General Service U3

Current Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ 5.00	$ 0.0990	$ 0.0990	$ 0.0795	$ 0.0682
Summer	$ 5.00	$ 0.0990	$ 0.0990	$ 0.0795	$ 0.0682

Proposed Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ 10.00	$ 0.0910	$ 0.0910	$ 0.0830	$ 0.0750
Summer	$ 10.00	$ 0.0910	$ 0.0910	$ 0.0830	$ 0.0750

Estimated Change in Revenues

Current Revenues	$ 1,506,853
Proposed Revenues	1,544,934
Percentage Change	2.5%



City of Marquette

Rate Design 2009

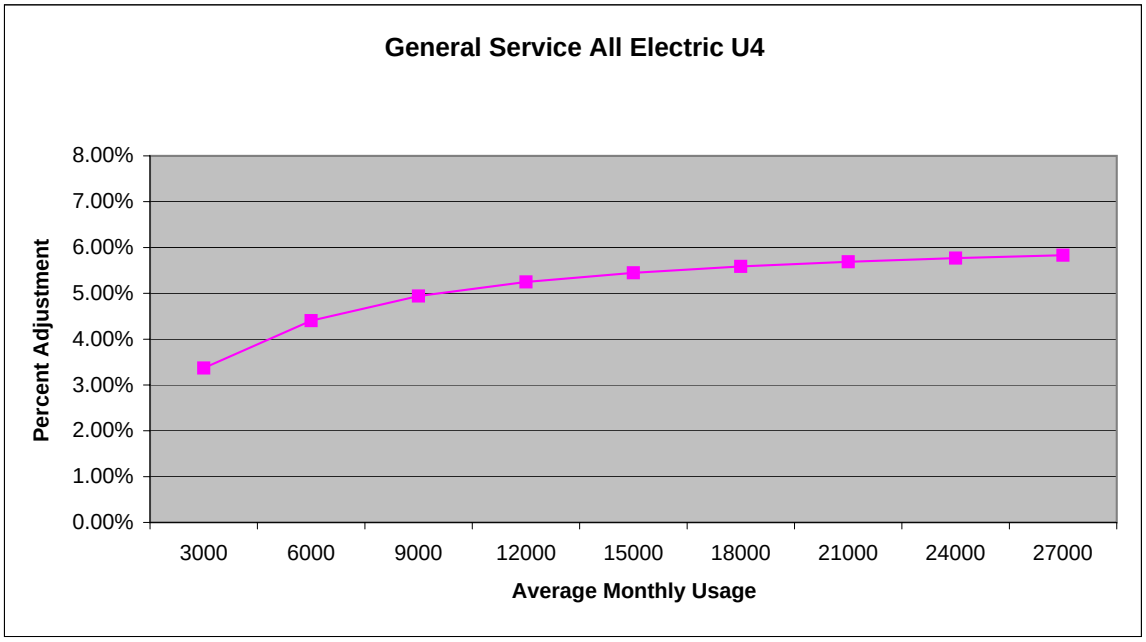
General Service All Electric U4

Current Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ 5.00	$ 0.0990	$ 0.0990	$ 0.0795	$ 0.0533
Summer	$ 5.00	$ 0.0990	$ 0.0990	$ 0.0795	$ 0.0533

Proposed Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ 10.00	$ 0.0910	$ 0.0910	$ 0.0830	$ 0.0567
Summer	$ 10.00	$ 0.0910	$ 0.0910	$ 0.0830	$ 0.0567

Estimated Change in Revenues

Current Revenues	$ 272,048
Proposed Revenues	287,134
Percentage Change	5.5%



City of Marquette

Rate Design 2009

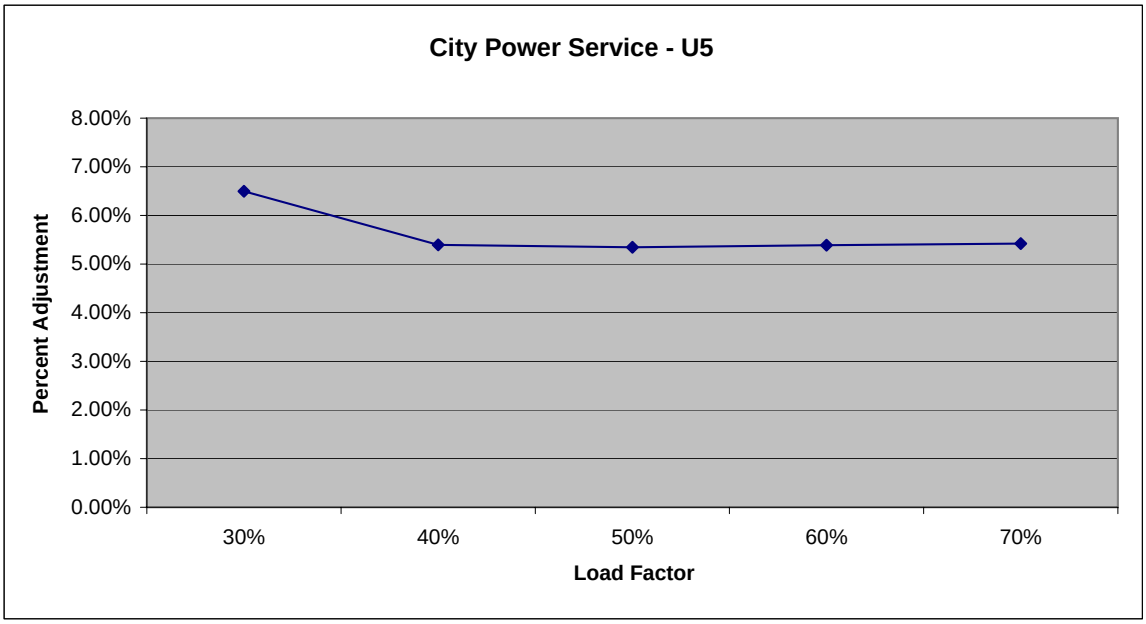
City Power Service - U5

Current Rate	**Demand Under 25**	**Demand >25**	**First kWh's 1,500**	**Next 13,500**	**Next 15,000**	**All Additional**
Winter Rate	$ 175.00	$ 7.00	$ 0.0600	$ 0.0520	$ 0.0473	$ 0.0473
Summer	$ 175.00	$ 7.00	$ 0.0600	$ 0.0520	$ 0.0473	$ 0.0473

Proposed Rate	**Demand Under 25**	**Demand >25**	**First kWh's 1,500**	**Next 13,500**	**Next 15,000**	**All Additional**
Winter Rate	$ 211.25	$ 8.45	$ 0.0520	$ 0.0520	$ 0.0500	$ 0.0500
Summer	$ 211.25	$ 8.45	$ 0.0520	$ 0.0520	$ 0.0500	$ 0.0500

Estimated Change in Revenues

Current Revenues	$ 2,284,859
Proposed Revenues	2,408,967
Percentage Change	5.4%



City of Marquette

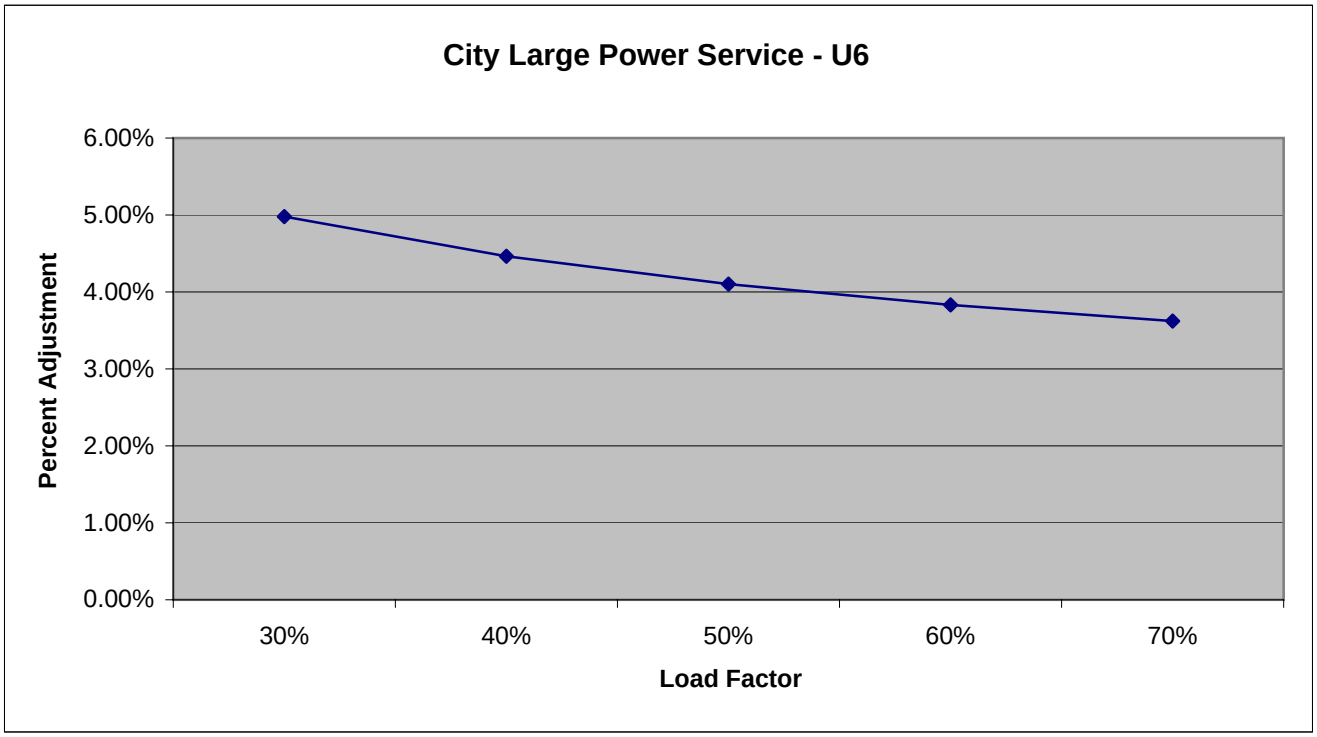
Rate Design 2009

City Large Power Service - U6

Current Rate	**Demand Under 200**	**Demand >200**	**All kWh**
Winter Rate	$ 1,300.00	$ 6.50	$ 0.0500
Summer	$ 1,300.00	$ 6.50	$ 0.0500

Proposed Rate	**Demand Under 200**	**Demand >200**	**All kWh**
Winter Rate	$ 1,430.00	$ 7.15	$ 0.0510
Summer	$ 1,430.00	$ 7.15	$ 0.0510

Estimated Change in Revenues	
Current Revenues	$ 3,779,293
Proposed Revenues	3,903,982
Percentage Change	3.3%



City of Marquette

Rate Design 2009

Rural Residential Rate R1

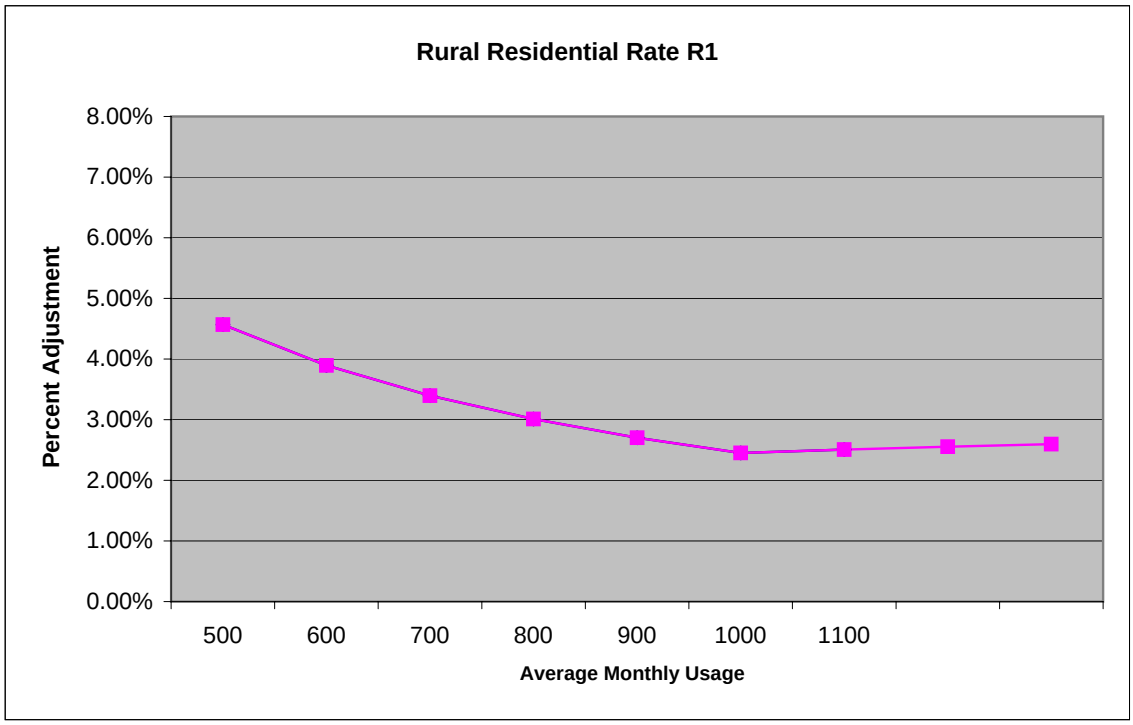
Current Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 6.00	$ 0.0755	$ 0.0620
Plus Utility Review	$ 0.05		

Proposed Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 8.00	$ 0.0755	$ 0.0640
Plus Utility Review	$ 0.05		

Estimated Change in Revenues

Current Revenues	$ 3,437,664
Proposed Revenues	3,561,253
Percentage Change	3.6%

	Usage	Monthly Impact	Usage	Monthly Impact
	500	$ 2.00	900	$ 2.00
	600	$ 2.00	1000	$ 2.00
	700	$ 2.00	1100	$ 2.20
Average Monthly Usage	**800**	**$ 2.00**		



City of Marquette

Rate Design 2009

Rural Residential Rate All Electric R2

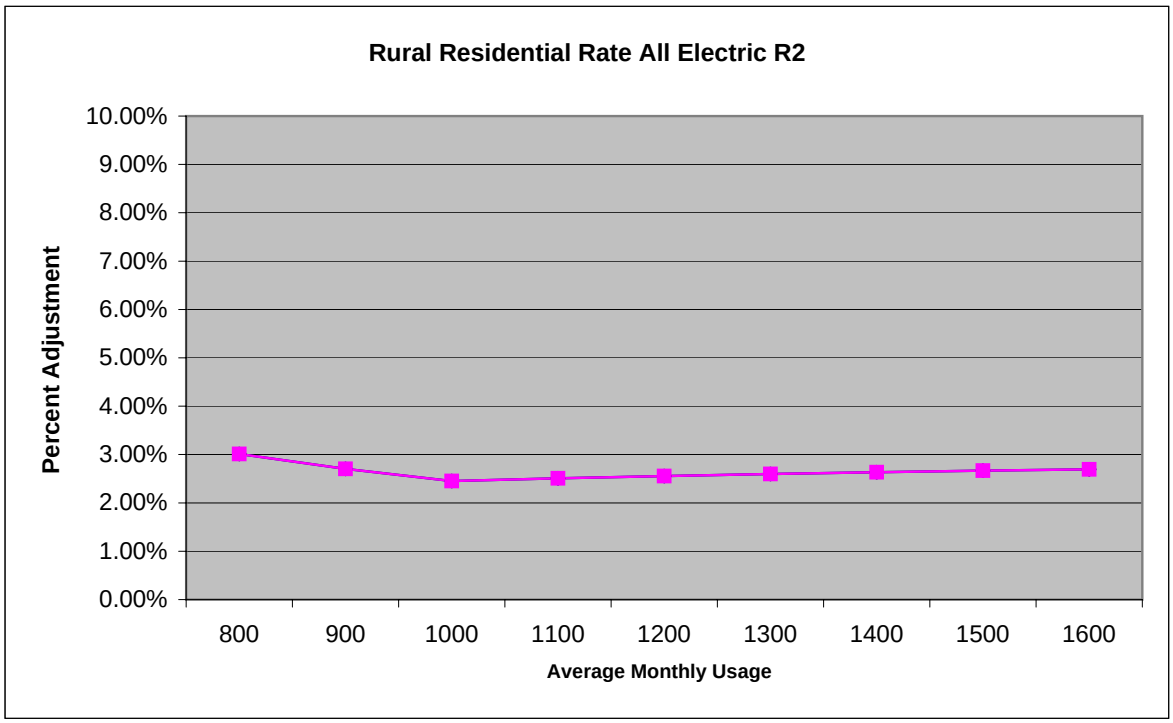
Current Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 6.00	$ 0.0755	$ 0.0620
Plus Utility Review	$ 0.05		

Proposed Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 8.00	$ 0.0755	$ 0.0640
Plus Utility Review	$ 0.05		

Estimated Change in Revenues

Current Revenues	$ 593,944
Proposed Revenues	608,907
Percentage Change	2.5%

	Usage	Monthly Impact	Usage	Monthly Impact
	800	$ 2.00	1200	$ 2.40
	900	$ 2.00	1300	$ 2.60
	1000	$ 2.00	1400	$ 2.80
Average Monthly Usage	**1100**	**$ 2.20**		



City of Marquette

Rate Design 2009

Rural Seasonal Rate R8

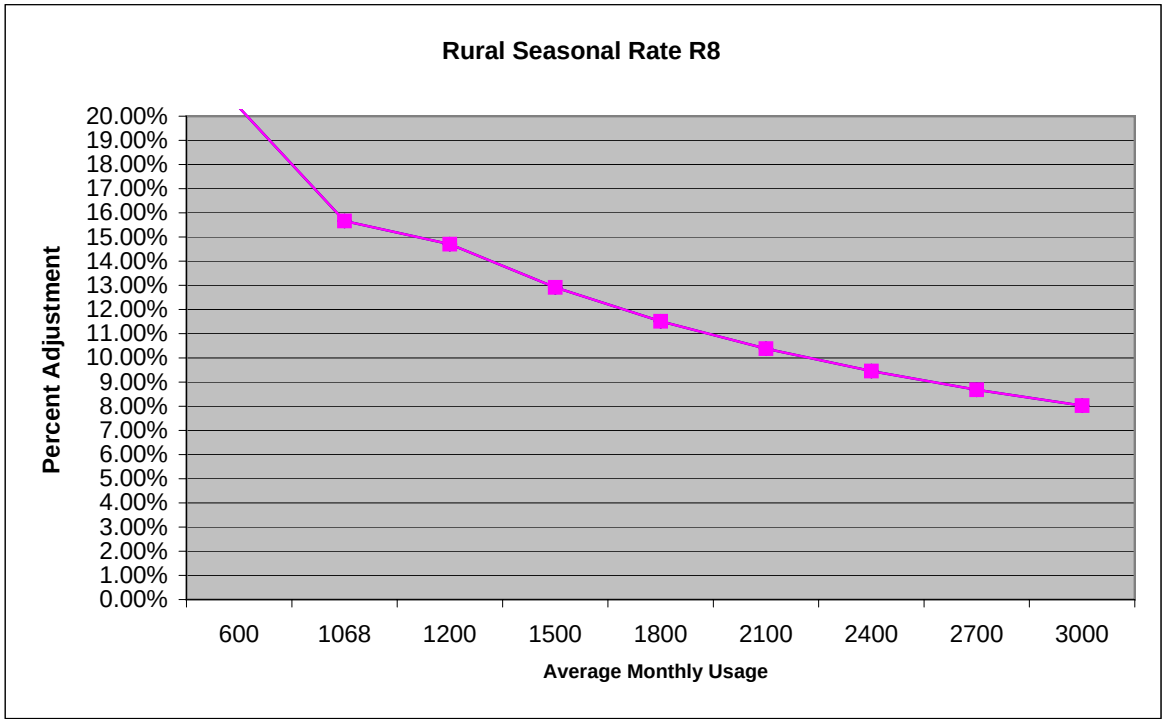
Current Rate	Annual Charge	First kWh's 12,000	All Over 12,000
All Season	$ 72.00	$ 0.0755	$ 0.0620
Utility Review	$ 0.60		

Proposed Rate	Annual Charge	First kWh's 12,000	All Over 12,000
All Season	$ 96.00	$ 0.0755	$ 0.0640
Utility Review	$ 0.60		

Estimated Change in Revenues

Current Revenues	$ 10,793
Proposed Revenues	12,484
Percentage Change	15.7%

	Usage	Monthly Impact	Usage	Monthly Impact
Average Monthly Usage	**1068**	**$ 24.00**	2100	$ 24.00
	1200	$ 24.00	2400	$ 24.00
	1500	$ 24.00	2700	$ 24.00
	1800	$ 24.00		



City of Marquette

Rate Design 2009

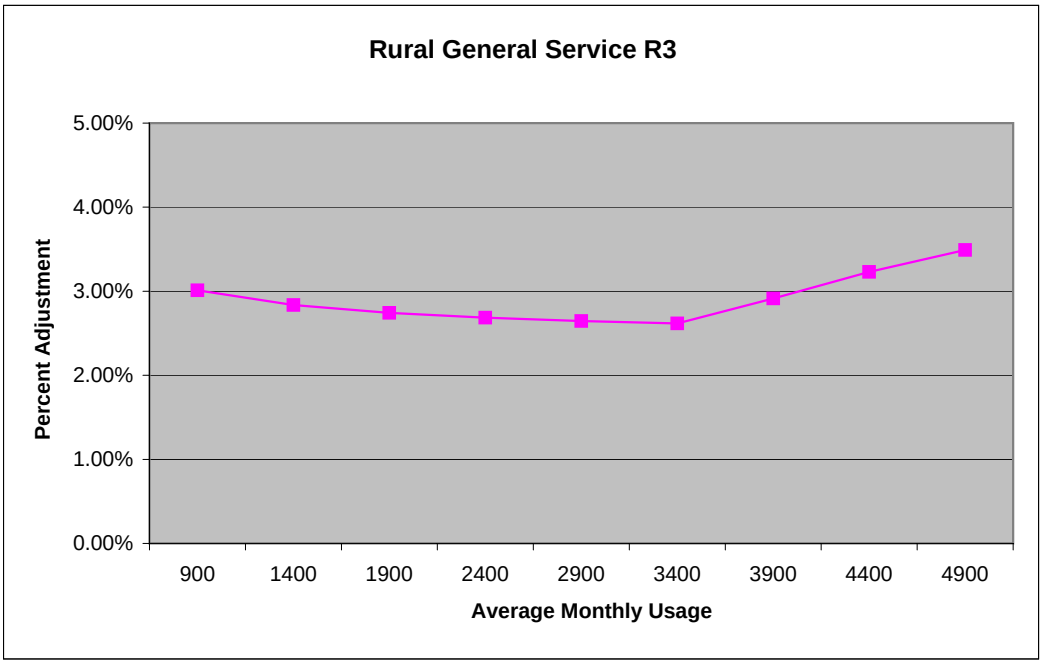
Rural General Service R3

		First kWh's	Next	Next	All
Current Rate	**Customer Charge**	**100**	**500**	**2,900**	**Additional**
Winter Rate	$ 9.00	$ 0.0990	$ 0.0990	$ 0.0820	$ 0.0682
Summer	$ 9.00	$ 0.0990	$ 0.0990	$ 0.0820	$ 0.0682
Utility Review Committee	$ 0.10				

		First kWh's	Next	Next	All
Proposed Rate	**Customer Charge**	**100**	**500**	**2,900**	**Additional**
Winter Rate	$ 16.00	$ 0.0910	$ 0.0910	$ 0.0840	$ 0.0725
Summer	$ 16.00	$ 0.0910	$ 0.0910	$ 0.0840	$ 0.0725
Utility Review Committee	0.10				

Estimated Change in Revenues

Current Revenues	$ 757,633
Proposed Revenues	779,293
Percentage Change	2.9%



City of Marquette

Rate Design 2009

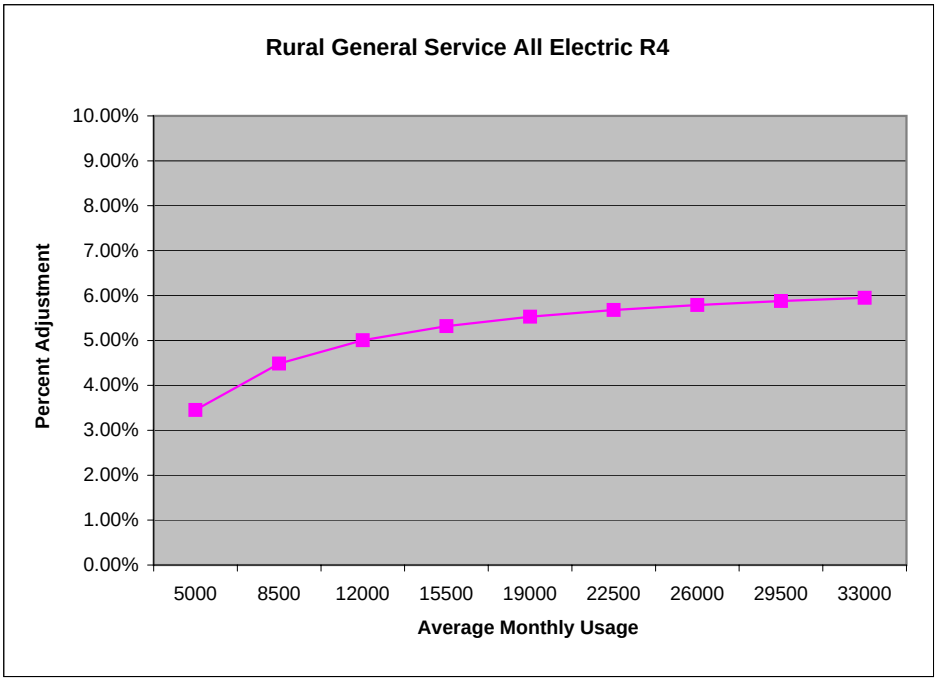
Rural General Service All Electric R4

		First kWh's	Next	Next	All
Current Rate	**Customer Charge**	**100**	**500**	**2,900**	**Additional**
Winter Rate	$ 9.00	$ 0.0990	$ 0.0990	$ 0.0820	$ 0.0547
Summer	$ 9.00	$ 0.0990	$ 0.0990	$ 0.0820	$ 0.0547
Utility Review Committee	$ 0.10				

		First kWh's	Next	Next	All
Proposed Rate	**Customer Charge**	**100**	**500**	**2,900**	**Additional**
Winter Rate	$ 16.00	$ 0.0910	$ 0.0910	$ 0.0840	$ 0.0583
Summer	$ 16.00	$ 0.0910	$ 0.0910	$ 0.0840	$ 0.0583
Utility Review Committee	0.10				

Estimated Change in Revenues

Current Revenues	$ 260,459
Proposed Revenues	274,217
Percentage Change	5.3%



City of Marquette

Rate Design 2009

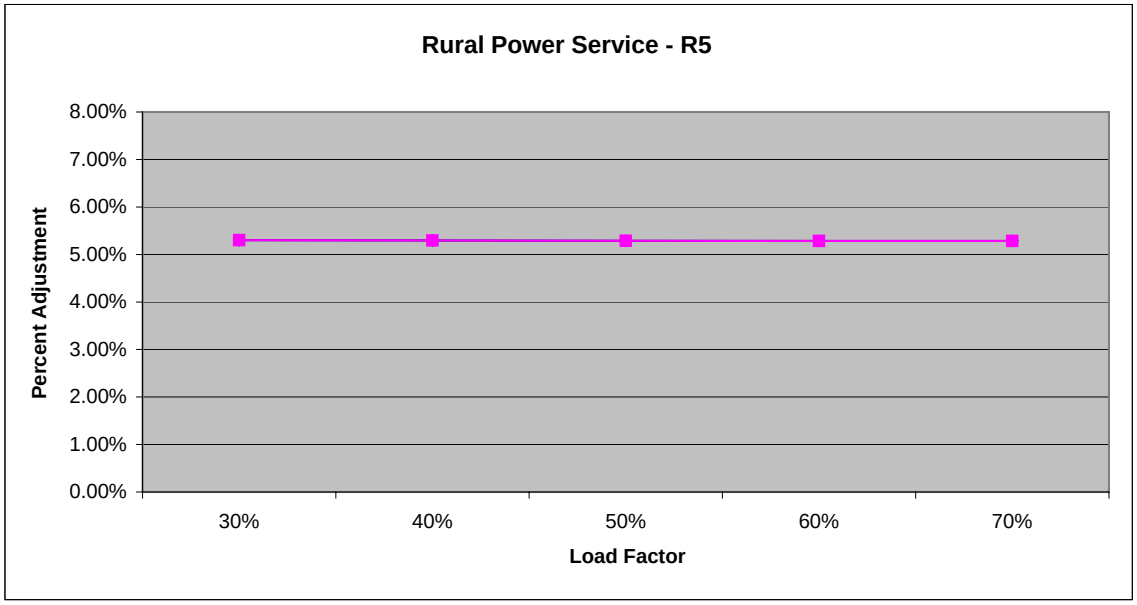
Rural Power Service R5

			First kWh's	Next	Next (all over)	All
Current Rate	**Demand Under 25**	**Demand >25**	**1,500**	**13,500**	**15,000**	**Additional**
Winter Rate	$ 175.00	$ 7.00	$ 0.0647	$ 0.0475	$ 0.0475	$ 0.0475
Summer	$ 175.00	$ 7.00	$ 0.0647	$ 0.0475	$ 0.0475	$ 0.0475
Utility Review Per kW	$ 2.00					

			First kWh's	Next	Next	All
Proposed Rate	**Demand Under 25**	**Demand >25**	**1,500**	**13,500**	**15,000**	**Additional**
Winter Rate	$ 200.00	8.00	$ 0.0500	$ 0.0500	$ 0.0500	$ 0.0500
Summer	$ 200.00	8.00	$ 0.0500	$ 0.0500	$ 0.0500	$ 0.0500
Utility Review	$ 2.00					

Estimated Change in Revenues

Current Revenues	$ 1,491,037
Proposed Revenues	1,569,882
Percentage Change	5.3%



City of Marquette

Rate Design 2009

Service to Other Utilities

Current Rate	Monthly Charge	Demand Charge	kWh Charge First 200	Excess kWh's
Winter Rate	$ -	$ 9.98	$ 0.0510	$ 0.0510
Summer	$ -	$ 9.98	$ 0.0510	$ 0.0510

Proposed Rate	Monthly Charge	Demand Charge	kWh Charge First 200	Excess kWh's
Winter Rate	0.00	$ 9.98	0.0510	0.0510
Summer Rate	0.00	$ 9.98	0.0510	0.0510

Estimated Change in Revenues

Current Revenues	$ 1,041,223
Proposed Revenues	1,041,223
Percentage Change	0.0%

City of Marquette

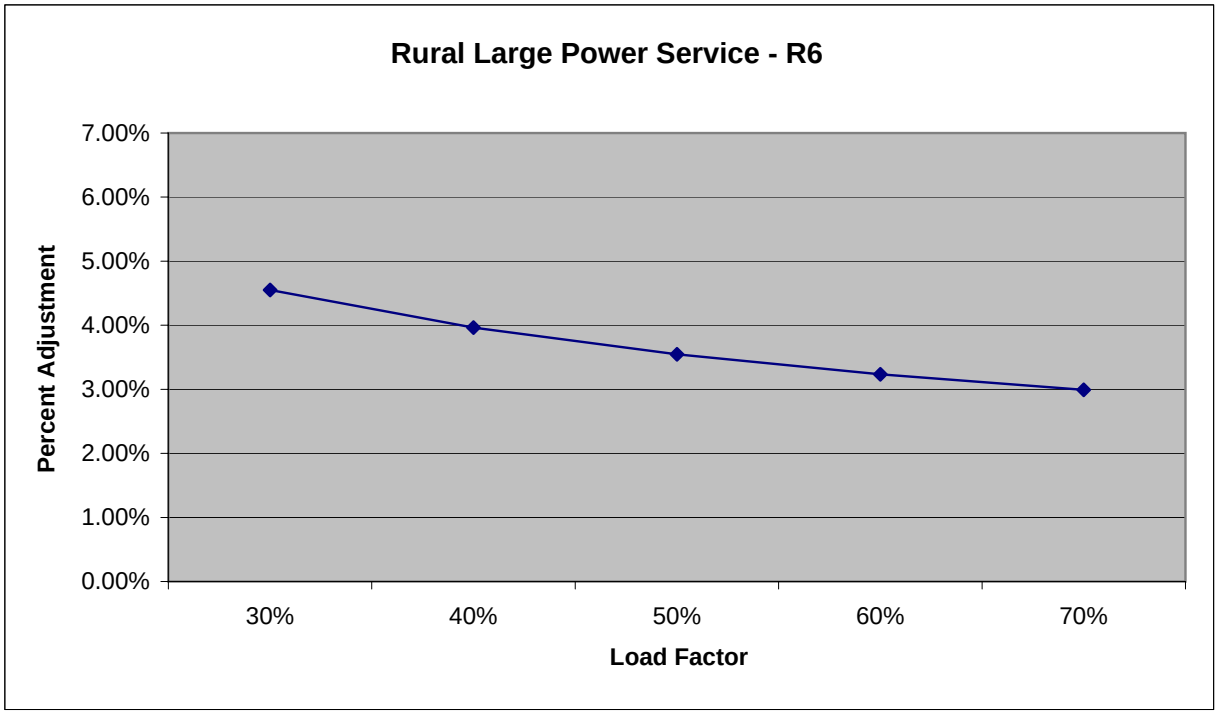
Rate Design 2009

Rural Large Power Service - R6

Current Rate	**Demand Under 200**	**Demand >200**	**All kWh**
Winter Rate	$ 1,300.00	$ 6.50	$ 0.0465
Summer	$ 1,300.00	$ 6.50	$ 0.0465
Utility Review	2.00		

Proposed Rate	**Demand Under 200**	**Demand >200**	**All kWh**
Winter Rate	$ 1,430.00	$ 7.15	$ 0.0470
Summer	$ 1,430.00	$ 7.15	$ 0.0470
Utility Review	2.00		

Estimated Change in Revenues	
Current Revenues	$ 1,135,402
Proposed Revenues	1,175,843
Percentage Change	3.6%



City of Marquette

Rate Design 2009

New Rate Above 5000 kW Primary Metered

Current Rate	**Demand**		**All kWh**	
Winter Rate	$	6.37	$	0.0490
Summer	$	6.37	$	0.0490

Proposed Rate	**Demand**		**All kWh**	
Winter Rate	$	7.010	$	0.0500
Summer	$	7.010	$	0.0500

Estimated Change in Revenues		
Current Revenues	$	2,520,599
Proposed Revenues		2,612,406
Percentage Change		3.6%

City of Marquette

Rate Design 2009

Street Lighting

Current Rate	**9 or Fewer Lights**	**10 Or More**	**All kWh**
Municipal Street Lighting "MU"			$ 0.1336
Dusk to Dawn Outdoor Lighting (100 Watt)	$ 7.20	$ 6.65	

Proposed Rate	**9 or Fewer Lights**	**10 Or More**	**All kWh**
Municipal Street Lighting "MU"			$ 0.1422
Dusk to Dawn Outdoor Lighting (100 Watt)	$ 7.67	$ 7.08	

Estimated Change in Revenues	
Current Revenues	$ 358,526
Proposed Revenues	381,830
Percentage Change	6.5%

Marquette Board of Light & Power
Rate Design 2010
30-Sep-07

Utility Financial Solutions, LLC

City of Marquette
Rate Design 2010

	Current	Proposed	% Increase
Residential Rate U1	3,458,317	3,557,110	2.86%
Residential Rate All Electric U2	461,326	477,014	3.40%
City General Service U3	1,506,853	1,577,843	4.71%
General Service All Electric U4	272,048	287,559	5.70%
City Power Service - U5	2,284,859	2,405,670	5.29%
City Large Power Service - U6	3,779,293	3,896,834	3.11%
Rural Residential Rate R1	3,437,664	3,527,139	2.60%
Rural Residential Rate All Electric R2	593,944	608,522	2.45%
Rural Seasonal Rate R8	10,793	11,889	10.16%
Rural General Service R3	757,633	781,136	3.10%
Rural General Service All Electric R4	260,459	269,929	3.64%
Rural Power Service R5	1,491,037	1,570,036	5.30%
Service to Other Utilities	1,041,223	1,041,223	0.00%
Rural Large Power Service - R6	1,135,402	1,195,586	5.30%
New Rate Above 5000 kW Primary Metere	2,520,599	2,609,180	3.51%
Street Lighting	381,830	406,649	6.50%
Total	**$ 23,393,280**	**$ 24,223,319**	**3.50%**

City of Marquette

Rate Design 2010

Residential Rate U1

Current Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 5.20	$ 0.0730	$ 0.0650

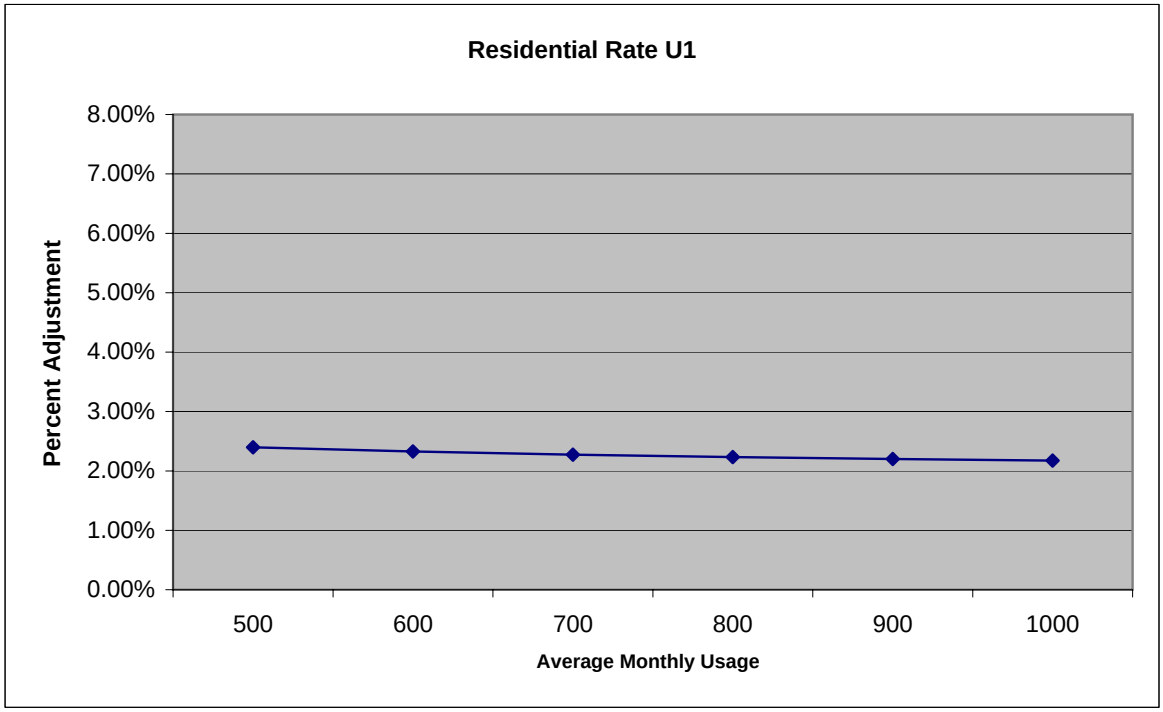
Proposed Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 5.50	$ 0.0744	$ 0.0700

Dollar Impact of Rate Design

	Usage	Monthly Impact	Usage	Monthly Impact
Average Monthly Usage	**500**	**$ 1.00**	800	1.42
	600	1.14	900	1.56
	700	1.28	1000	$ 1.70

Estimated Change in Revenues

Current Revenues	$ 3,458,317
Proposed Revenues	3,557,110
Percentage Change	2.9%



City of Marquette

Rate Design 2010

Residential Rate All Electric U2

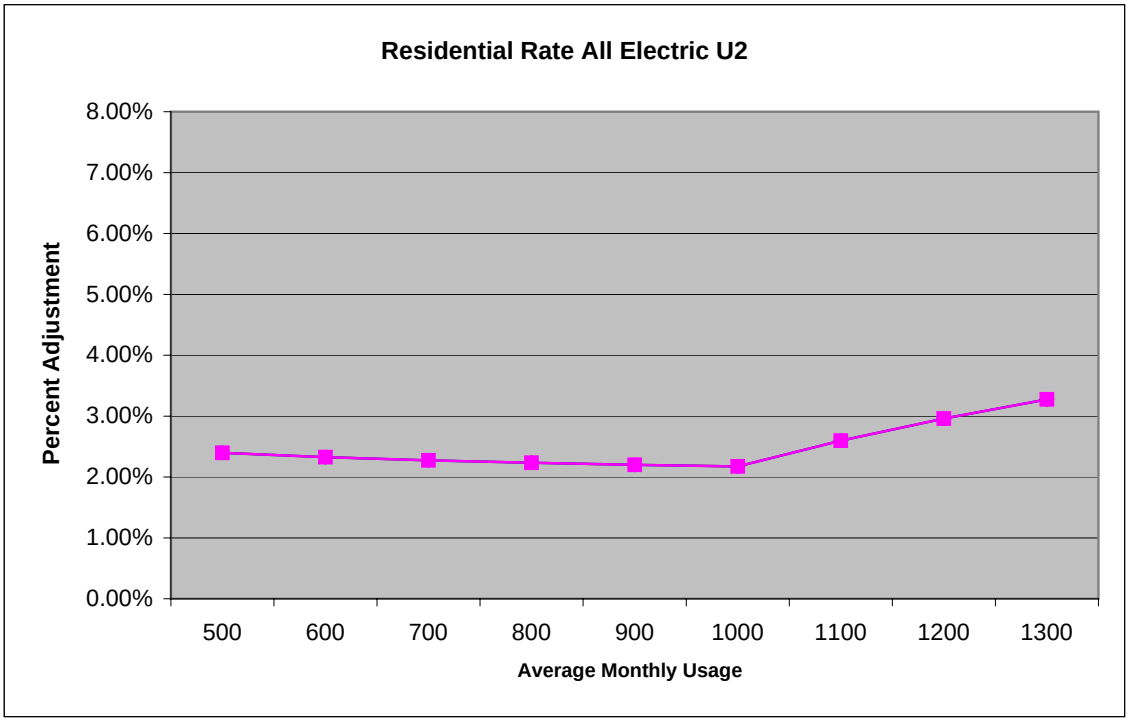
	Monthly Rate	First kWh's 1,000	All Over 1,000
Current Rate			
All Season	$ 5.20	$ 0.0730	$ 0.0650

	Monthly Rate	First kWh's 1,000	All Over 1,000
Proposed Rate			
All Season	$ 5.50	$ 0.0744	$ 0.0700

	Usage	Monthly Impact	Usage	Monthly Impact
	500	1.00	1000	1.70
	600	1.14	1100	2.20
	700	1.28	1200	2.70
Average Monthly Usage	**800**	**1.42**	1300	3.20
	900	1.56		

Estimated Change in Revenues

Current Revenues	$ 461,326
Proposed Revenues	477,014
Percentage Change	3.4%



City of Marquette

Rate Design 2010

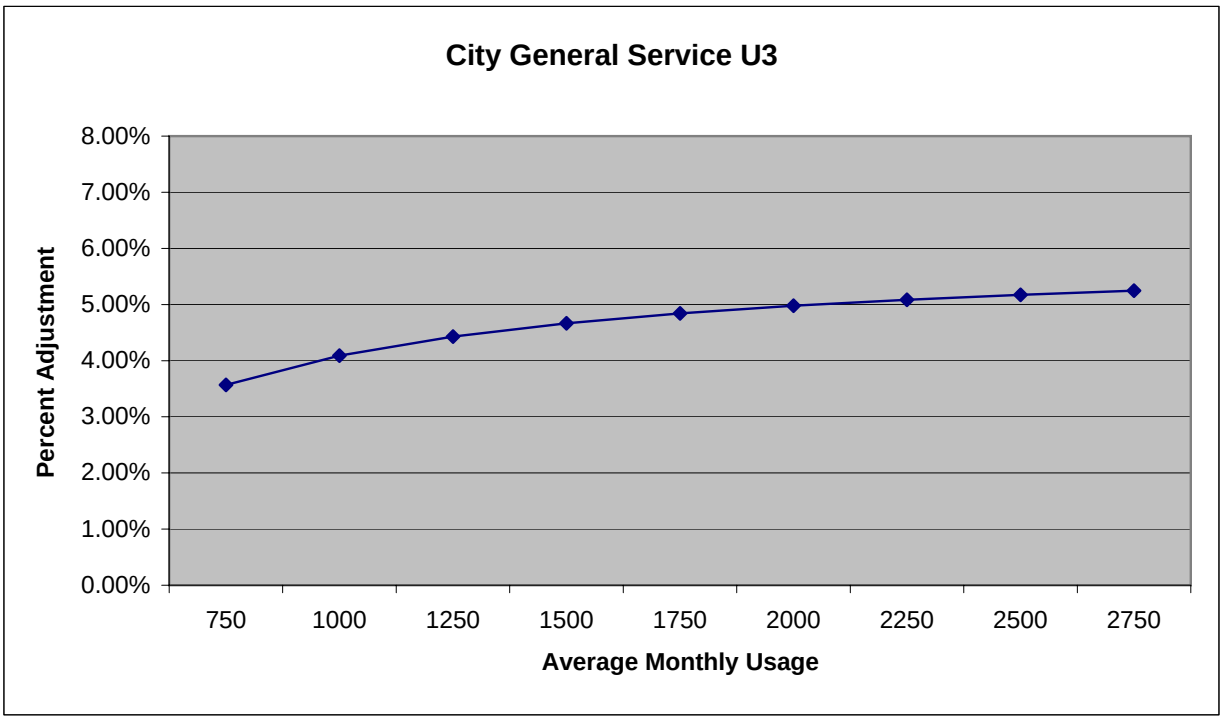
City General Service U3

Current Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ 10.00	$ 0.0910	$ 0.0910	$ 0.0830	$ 0.0750
Summer	$ 10.00	$ 0.0910	$ 0.0910	$ 0.0830	$ 0.0750

Proposed Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ 13.80	$ 0.0880	$ 0.0880	$ 0.0880	$ 0.0880
Summer	$ 13.80	$ 0.0880	$ 0.0880	$ 0.0880	$ 0.0880

Estimated Change in Revenues

Current Revenues	$ 1,506,853
Proposed Revenues	1,577,843
Percentage Change	4.7%



City of Marquette

Rate Design 2010

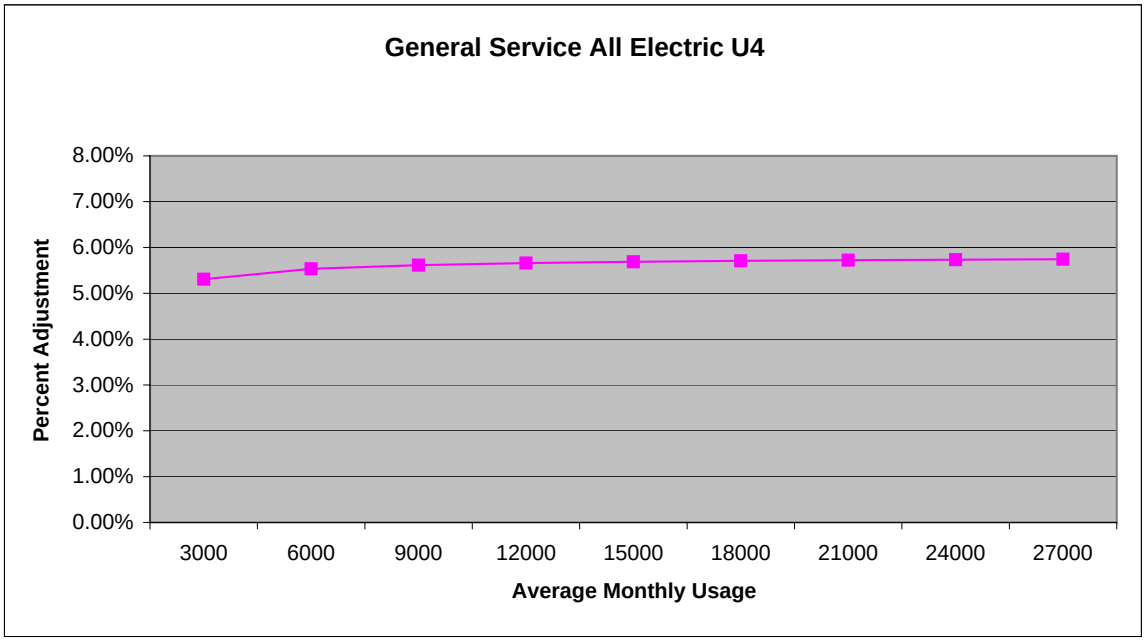
General Service All Electric U4

Current Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ 10.00	$ 0.0910	$ 0.0910	$ 0.0830	$ 0.0567
Summer	$ 10.00	$ 0.0910	$ 0.0910	$ 0.0830	$ 0.0567

Proposed Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ 13.80	$ 0.0880	$ 0.0880	$ 0.0880	$ 0.0600
Summer	$ 13.80	$ 0.0880	$ 0.0880	$ 0.0880	$ 0.0600

Estimated Change in Revenues

Current Revenues	$ 272,048
Proposed Revenues	287,559
Percentage Change	5.7%



City of Marquette

Rate Design 2010

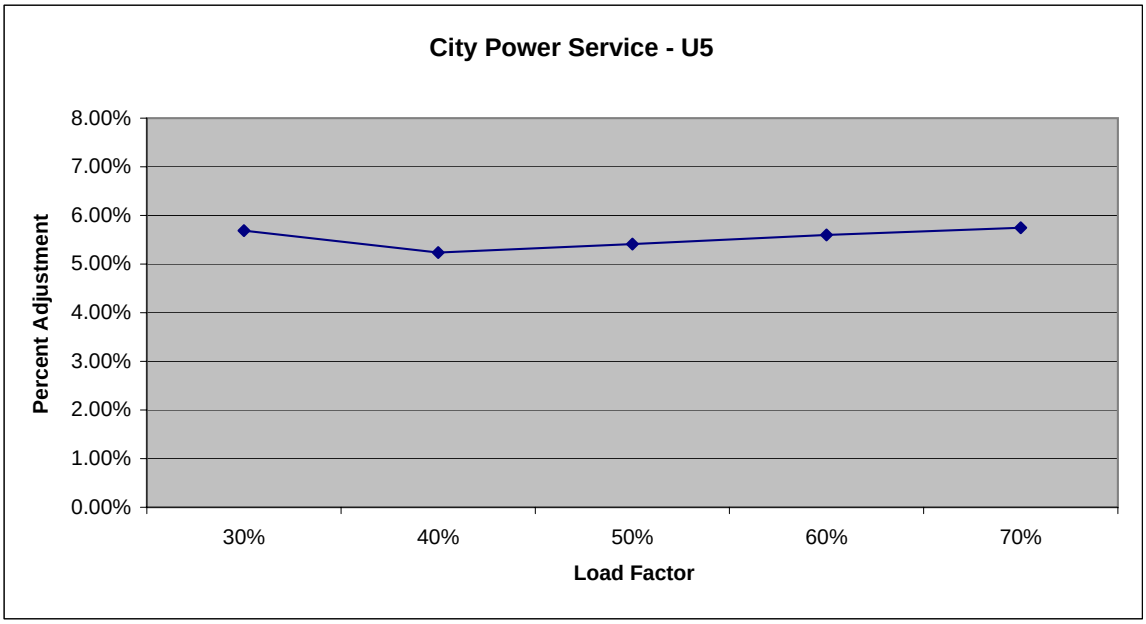
City Power Service - U5

Current Rate	**Demand Under 25**	**Demand >25**	**First kWh's 1,500**	**Next 13,500**	**Next 15,000**	**All Additional**
Winter Rate	$ 211.25	$ 8.45	$ 0.0520	$ 0.0520	$ 0.0500	$ 0.0500
Summer	$ 211.25	$ 8.45	$ 0.0520	$ 0.0520	$ 0.0500	$ 0.0500

Proposed Rate	**Demand Under 25**	**Demand >25**	**First kWh's 1,500**	**Next 13,500**	**Next 15,000**	**All Additional**
Winter Rate	$ 231.25	$ 9.25	$ 0.0535	$ 0.0535	$ 0.0535	$ 0.0535
Summer	$ 231.25	$ 9.25	$ 0.0535	$ 0.0535	$ 0.0535	$ 0.0535

Estimated Change in Revenues

Current Revenues	$ 2,284,859
Proposed Revenues	2,405,670
Percentage Change	5.3%



City of Marquette

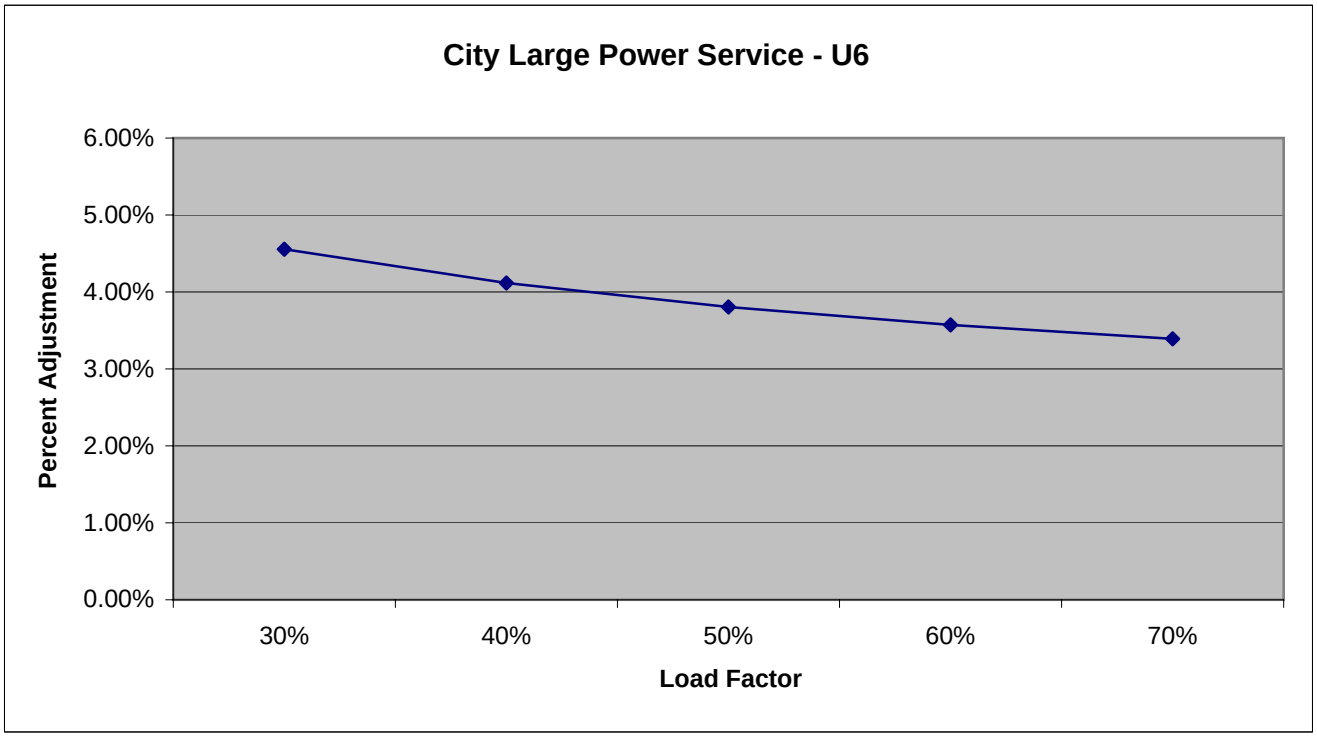
Rate Design 2010

City Large Power Service - U6

Current Rate	**Demand Under 200**	**Demand >200**	**All kWh**
Winter Rate	$ 1,430.00	$ 7.15	$ 0.0510
Summer	$ 1,430.00	$ 7.15	$ 0.0510

Proposed Rate	**Demand Under 200**	**Demand >200**	**All kWh**
Winter Rate	$ 1,550.00	$ 7.80	$ 0.0520
Summer	$ 1,550.00	$ 7.80	$ 0.0520

Estimated Change in Revenues	
Current Revenues	$ 3,779,293
Proposed Revenues	3,896,834
Percentage Change	3.1%



City of Marquette

Rate Design 2010

Rural Residential Rate R1

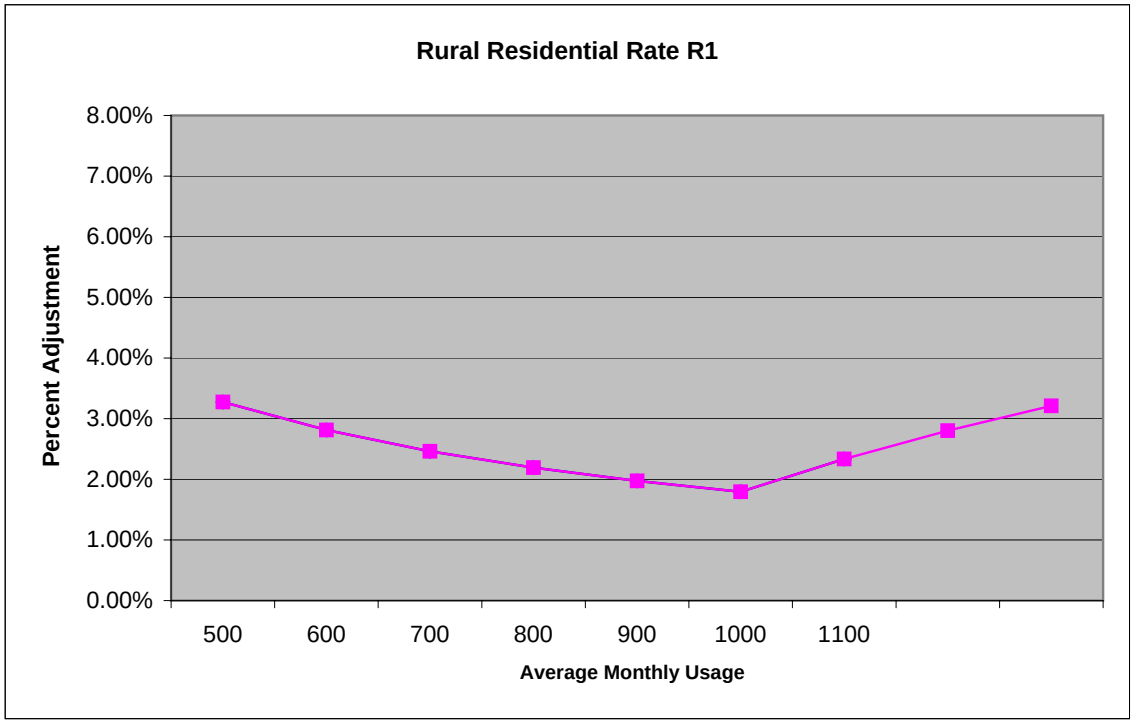
Current Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 8.00	$ 0.0755	$ 0.0640
Plus Utility Review	$ 0.05		

Proposed Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 9.50	$ 0.0755	$ 0.0700
Plus Utility Review	$ 0.05		

Estimated Change in Revenues

Current Revenues	$ 3,437,664
Proposed Revenues	3,527,139
Percentage Change	2.6%

	Usage	Monthly Impact	Usage	Monthly Impact
	500	$ 1.50	900	$ 1.50
	600	$ 1.50	1000	$ 1.50
	700	$ 1.50	1100	$ 2.10
Average Monthly Usage	**800**	**$ 1.50**		



City of Marquette

Rate Design 2010

Rural Residential Rate All Electric R2

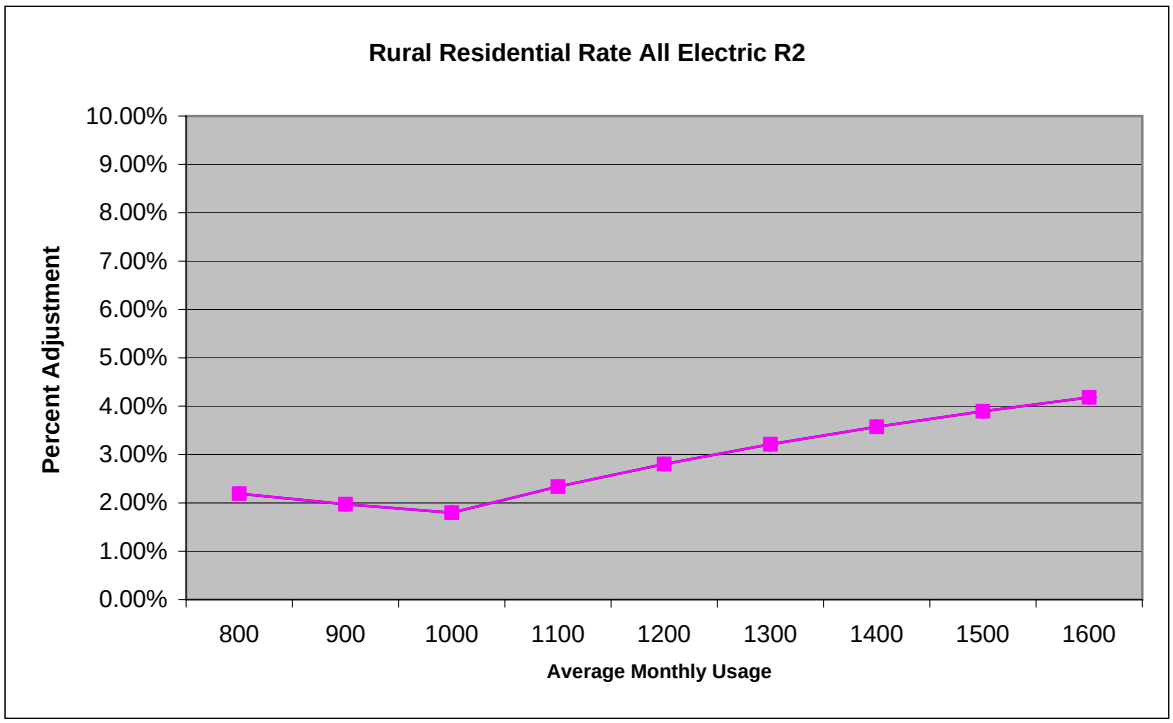
Current Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 8.00	$ 0.0755	$ 0.0640
Plus Utility Review	$ 0.05		

Proposed Rate	Monthly Rate	First kWh's 1,000	All Over 1,000
All Season	$ 9.50	$ 0.0755	$ 0.0700
Plus Utility Review	$ 0.05		

Estimated Change in Revenues

Current Revenues	$ 593,944
Proposed Revenues	608,522
Percentage Change	2.5%

	Usage	Monthly Impact	Usage	Monthly Impact
	800	$ 1.50	1200	$ 2.70
	900	$ 1.50	1300	$ 3.30
	1000	$ 1.50	1400	$ 3.90
Average Monthly Usage	**1100**	**$ 2.10**		



City of Marquette

Rate Design 2010

Rural Seasonal Rate R8

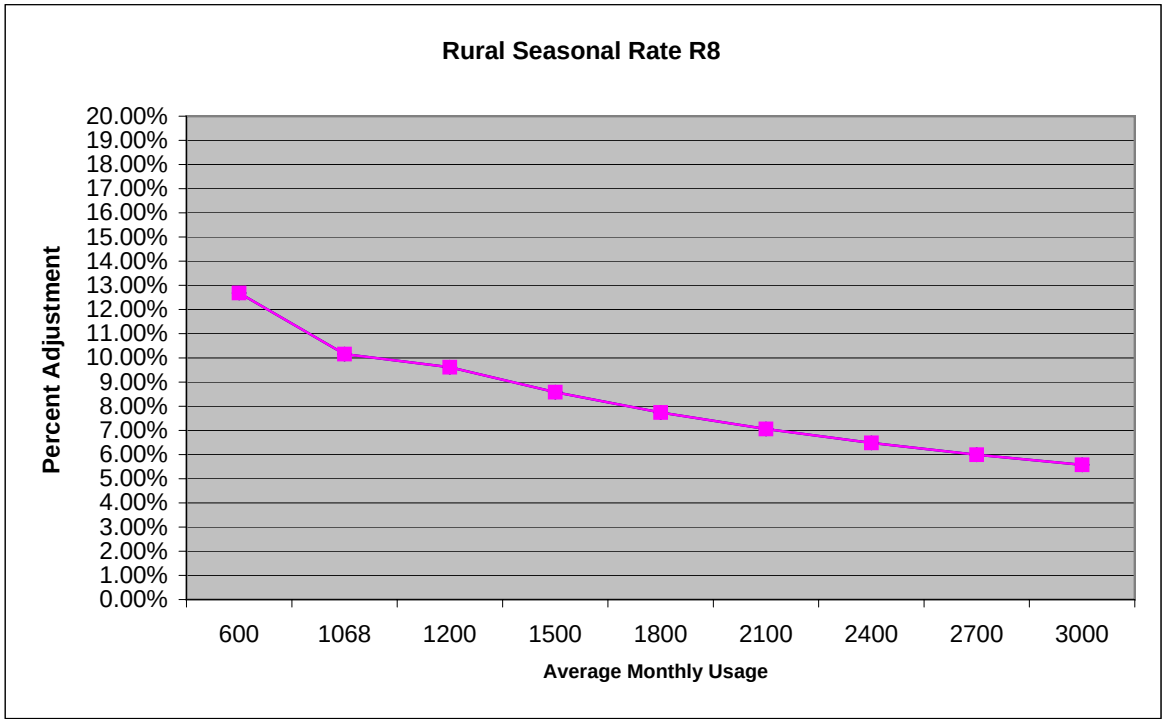
Current Rate	Annual Charge	First kWh's 12,000	All Over 12,000
All Season	$ 96.00	$ 0.0755	$ 0.0650
Utility Review	$ 0.60		

Proposed Rate	Annual Charge	First kWh's 12,000	All Over 12,000
All Season	$ 114.00	$ 0.0755	$ 0.0700
Utility Review	$ 0.60		

Estimated Change in Revenues

Current Revenues	$ 10,793
Proposed Revenues	11,889
Percentage Change	10.2%

	Usage	Monthly Impact	Usage	Monthly Impact
Average Monthly Usage	**1068**	**$ 18.00**	2100	$ 18.00
	1200	$ 18.00	2400	$ 18.00
	1500	$ 18.00	2700	$ 18.00
	1800	$ 18.00		



City of Marquette

Rate Design 2010

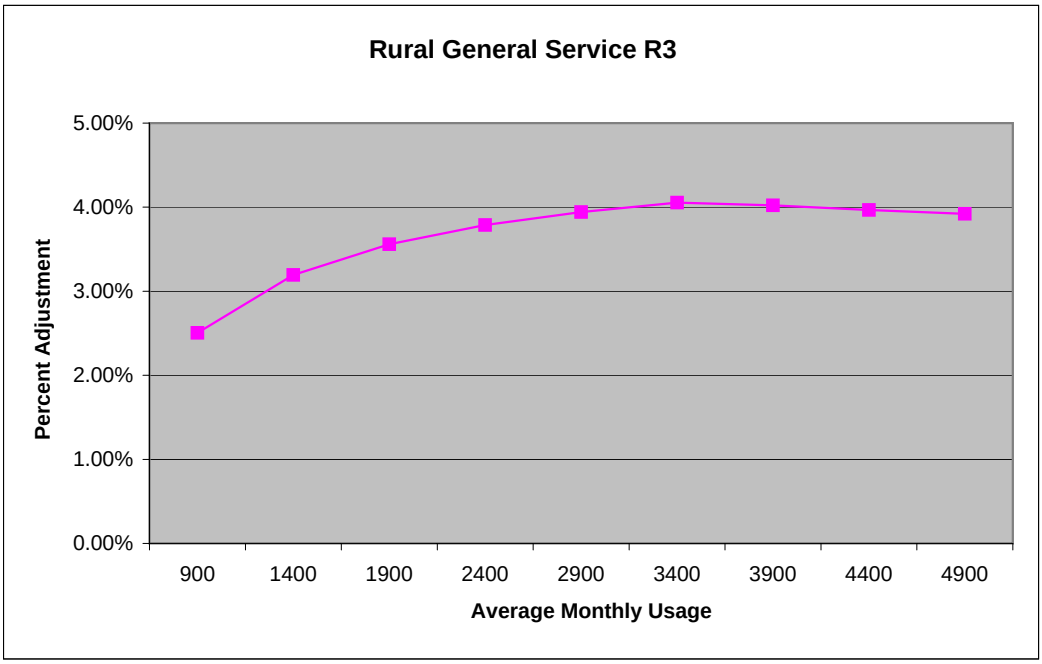
Rural General Service R3

		First kWh's	Next	Next	All
Current Rate	**Customer Charge**	**100**	**500**	**2,900**	**Additional**
Winter Rate	$ 16.00	$ 0.0910	$ 0.0910	$ 0.0840	$ 0.0725
Summer	$ 16.00	$ 0.0910	$ 0.0910	$ 0.0840	$ 0.0725
Utility Review Committee	$ 0.10				

		First kWh's	Next	Next	All
Proposed Rate	**Customer Charge**	**100**	**500**	**2,900**	**Additional**
Winter Rate	$ 19.00	$ 0.0880	$ 0.0880	$ 0.0880	$ 0.0750
Summer	$ 19.00	$ 0.0880	$ 0.0880	$ 0.0880	$ 0.0750
Utility Review Committee	0.10				

Estimated Change in Revenues

Current Revenues	$ 757,633
Proposed Revenues	781,136
Percentage Change	3.1%



City of Marquette

Rate Design 2010

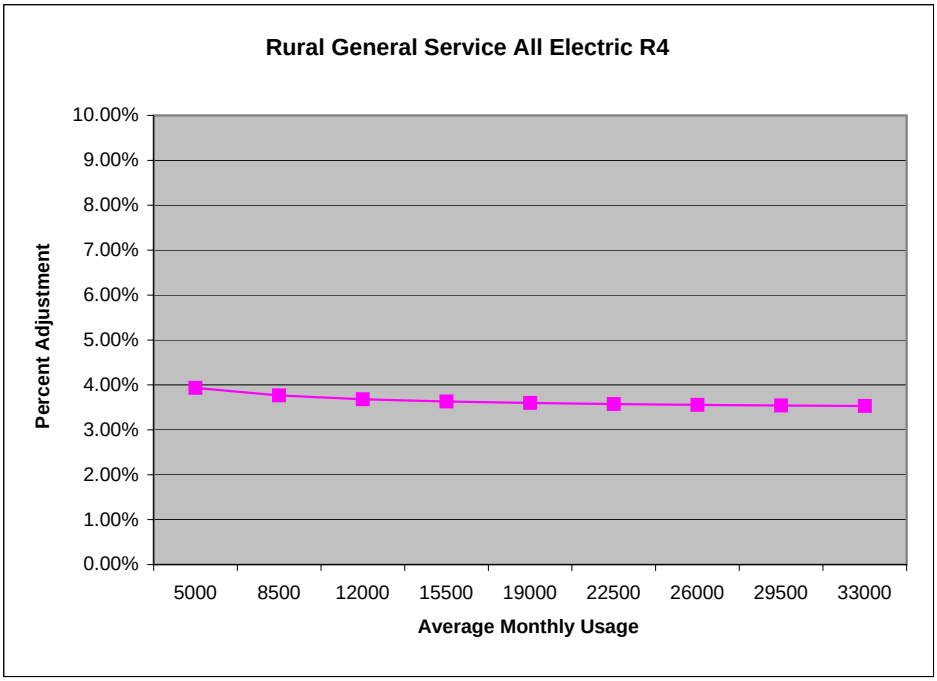
Rural General Service All Electric R4

Current Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ 16.00	$ 0.0910	$ 0.0910	$ 0.0840	$ 0.0583
Summer	$ 16.00	$ 0.0910	$ 0.0910	$ 0.0840	$ 0.0583
Utility Review Committee	$ 0.10				

Proposed Rate	**Customer Charge**	**First kWh's 100**	**Next 500**	**Next 2,900**	**All Additional**
Winter Rate	$ 19.00	$ 0.0880	$ 0.0880	$ 0.0880	$ 0.0603
Summer	$ 19.00	$ 0.0880	$ 0.0880	$ 0.0880	$ 0.0603
Utility Review Committee	0.10				

Estimated Change in Revenues

Current Revenues	$ 260,459
Proposed Revenues	269,929
Percentage Change	3.6%



City of Marquette

Rate Design 2010

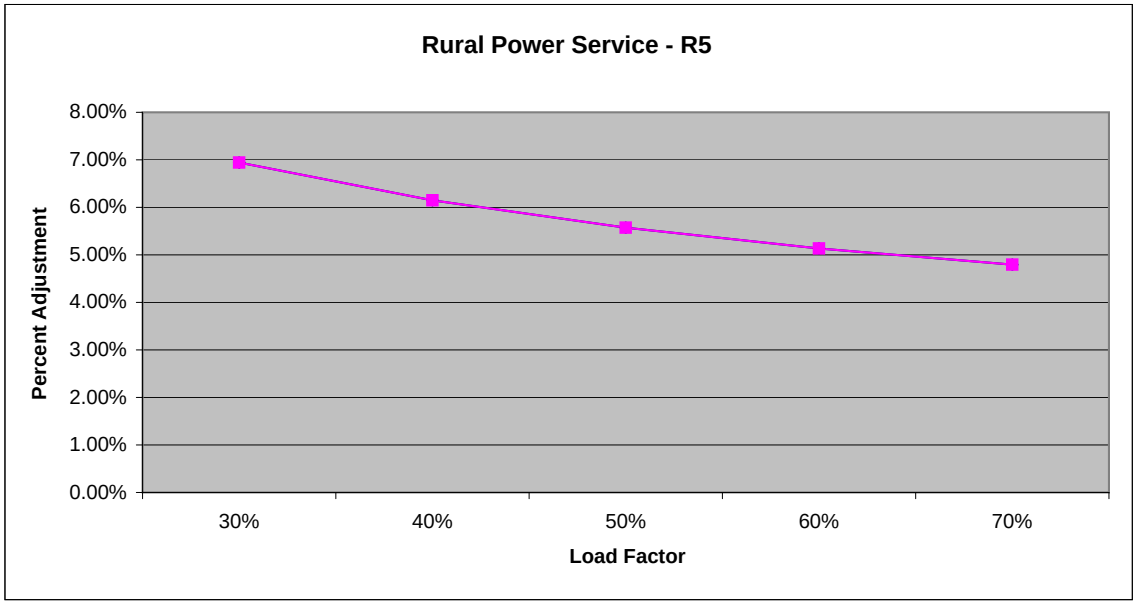
Rural Power Service R5

			First kWh's	Next	Next (all over)	All
Current Rate	**Demand Under 25**	**Demand >25**	**1,500**	**13,500**	**15,000**	**Additional**
Winter Rate	$ 200.00	$ 8.00	$ 0.0500	$ 0.0500	$ 0.0500	$ 0.0500
Summer	$ 200.00	$ 8.00	$ 0.0500	$ 0.0500	$ 0.0500	$ 0.0500
Utility Review Per kW	$ 2.00					

			First kWh's	Next	Next	All
Proposed Rate	**Demand Under 25**	**Demand >25**	**1,500**	**13,500**	**15,000**	**Additional**
Winter Rate	$ 227.50	$ 9.10	0.0510	0.0510	0.0510	0.0510
Summer	$ 227.50	9.10	0.0510	0.0510	0.0510	0.0510
Utility Review	$ 2.00					

Estimated Change in Revenues

Current Revenues	$ 1,491,037
Proposed Revenues	1,570,036
Percentage Change	5.3%



City of Marquette

Rate Design 2010

Service to Other Utilities

Current Rate	Monthly Charge	Demand Charge	kWh Charge First 200	Excess kWh's
Winter Rate	$ -	$ 9.980	$ 0.051	$ 0.051
Summer	$ -	$ 9.980	$ 0.051	$ 0.051

Proposed Rate	Monthly Charge	Demand Charge	kWh Charge First 200	Excess kWh's
Winter Rate	0.00	$ 9.98	0.0510	0.0510
Summer Rate	0.00	$ 9.98	0.0510	0.0510

Estimated Change in Revenues

Current Revenues	$ 1,041,223
Proposed Revenues	1,041,223
Percentage Change	0.0%

City of Marquette

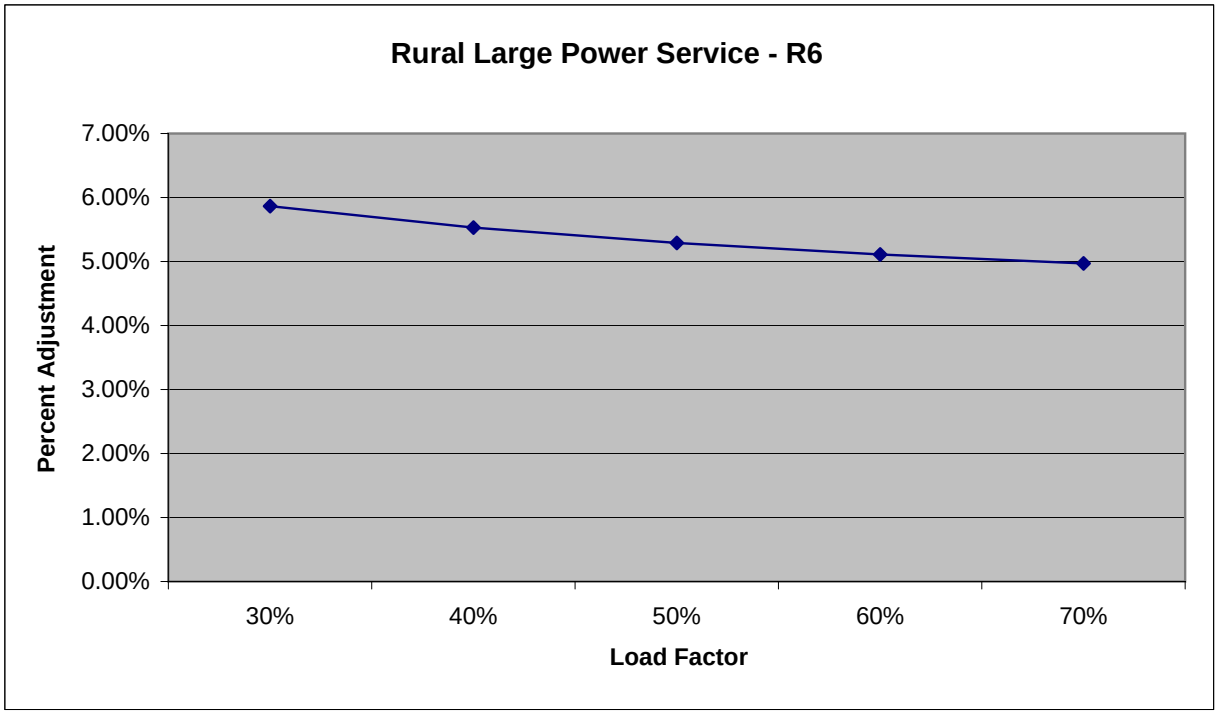
Rate Design 2010

Rural Large Power Service - R6

Current Rate	**Demand Under 200**	**Demand >200**	**All kWh**
Winter Rate	$ 1,430.00	$ 7.15	$ 0.0470
Summer	$ 1,430.00	$ 7.15	$ 0.0470
Utility Review	2.00		

Proposed Rate	**Demand Under 200**	**Demand >200**	**All kWh**
Winter Rate	$ 1,550.00	$ 7.80	$ 0.0488
Summer	$ 1,550.00	$ 7.80	$ 0.0488
Utility Review	2.00		

Estimated Change in Revenues	
Current Revenues	$ 1,135,402
Proposed Revenues	1,195,586
Percentage Change	5.3%



City of Marquette

Rate Design 2010

New Rate Above 5000 kW Primary Metered

Current Rate	**Demand**		**All kWh**	
Winter Rate	$	7.01	$	0.0500
Summer	$	7.01	$	0.0500

Proposed Rate	**Demand**		**All kWh**	
Winter Rate	$	7.6500	$	0.0510
Summer	$	7.650	$	0.0510

Estimated Change in Revenues		
Current Revenues	$	2,520,599
Proposed Revenues		2,609,180
Percentage Change		3.5%

City of Marquette

Rate Design 2010

Street Lighting

Current Rate	**9 or Fewer Lights**	**10 Or More**	**All kWh**
Municipal Street Lighting "MU"			$ 0.1422
Dusk to Dawn Outdoor Lighting (100 Watt)	$ 7.67	$ 7.08	

Proposed Rate	**9 or Fewer Lights**	**10 Or More**	**All kWh**
Municipal Street Lighting "MU"			$ 0.1515
Dusk to Dawn Outdoor Lighting (100 Watt)	$ 8.17	$ 7.54	

Estimated Change in Revenues	
Current Revenues	$ 381,830
Proposed Revenues	406,649
Percentage Change	6.5%