

# City Council Meeting Agenda Request

Date of City Council Meeting:..... June 17, 2014  
Person Requesting.....Debbie Sanchez  
Department..... Finance  
Time Required for Agenda Item..... 15 minutes

## A G E N D A I T E M

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Discuss analysis of Culinary Water & Pressurized Irrigation Rates and consider adopting the  
**RESOLUTION AMENDING THE SCHEDULE OF WATER RATES FOR CULINARY WATER AND  
ESTABLISHING A RATE SCHEDULE FOR PRESSURIZED IRRIGATION WATER**

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### DISCUSSION

In an effort to encourage conservation of our water resources, I have been compiling and analyzing data over the past few months to try and establish fair and equitable Culinary Water and Pressurized Irrigation usage rates throughout the City.

Two open houses were held in an effort to inform the citizens as to the need for the revised water and pressurized irrigation rates. Numerous bills were calculated to help citizens prepare for the impact, and a Senior Citizen Waiver on the PI connection fee was adopted for qualifying seniors.

Trying to determine what would be fair and equitable has had its challenges considering that:

- Approximately 25% of the City's utility accounts are connected to the Pressurized Irrigation (PI) system.
- Approximately 25% of the City's utility accounts have access to Pressurized Irrigation (PI) but have not yet connected to the system. Therefore their usage could be measured.
- Approximately 50% of the City's utility accounts do not have Pressurized Irrigation (PI) available to them therefore they rely solely on Culinary Water for both indoor and outdoor use.
- Because PI users paid a flat monthly rate for PI their usage was unconstrained. Consequently past PI usage was not a good indicator of what future use would be once PI users were charged by usage. As such the use of PI usage data was very limited in this analysis.
- Water usage information from 2011, 2012, and 2013 was used to estimate PI usage.
- 7 months of winter and 5 months of summer usage was used to calculate an average monthly figure for both Culinary Water and PI usage.
- The City must continue receiving approximately \$620,000 in base Culinary Water revenue.
- The City must continue receiving approximately \$815,000 in Culinary Water usage revenue.

- The City must continue receiving approximately \$230,000 in Pressurized Irrigation revenue.
- Most users do not go over the 1<sup>st</sup> and 2<sup>nd</sup> Tiers

In addition the following assumptions were made:

- The number of PI users would increase
- Water usage from PI users would decrease
- PI usage from existing PI users would decrease now that they will be charged for usage

I have worked diligently to try and determine the most fair and equitable way to charge the different classes of users while also caring for the City's water resources and maintaining revenue.

Therefore I submit the tables that are presented to you tonight for ratification.

## **MOTION**

Move to adopt the

### **RESOLUTION AMENDING THE SCHEDULE OF WATER RATES FOR CULINARY WATER AND ESTABLISHING A RATE SCHEDULE FOR PRESSURIZED IRRIGATION WATER**

as presented.

# **RESOLUTION NO. 2014-**

## **A RESOLUTION OF THE CITY OF MAPLETON, UTAH AMENDING THE SCHEDULE OF WATER RATES FOR CULINARY WATER AND ESTABLISHING A RATE SCHEDULE FOR PRESSURIZED IRRIGATION WATER**

**WHEREAS**, A limited number of Mapleton City residents have been connected to the Pressurized Irrigation Water System for a set fixed monthly fee, thereby using an unconstrained amount of water; and

**WHEREAS**, Mapleton City has expanded its Pressurized Irrigation Water System and added meters to all homes where Pressurized Irrigation is available to hook up to; and

**WHEREAS**, Mapleton City, has reviewed different options in order to reconstruct the current culinary water rates and to establish rates for Pressurized Irrigation use,

**NOW THEREFORE**, be it resolved by the City Council of Mapleton, Utah, that the rate tables as presented in Exhibit A, Exhibit B, and Exhibit C, for Culinary Water and Pressurized Irrigation Water be adopted:

This resolution adopted this 17<sup>th</sup> day of June, 2014, by the City Council of Mapleton City, Utah with an effective date of July 1, 2014.

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Brian Wall  
Mayor

ATTEST:

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Camille Brown  
City Recorder

## Rate Tables for 3/4 inch & 1 inch Meters

**Rate Table for Culinary Water**  
**Culinary Water Rates for users w/out PI Access**

	3/4 inch & 1 inch Meters					
	Rate per		Gallons		\$ Dollar	
	1000 gal	Gallon	From	To	Min \$	Max \$
<b>Base</b>	\$ 30.00					
<b>1st Tier</b>	\$ 1.50	\$ 0.001500	-	8,000	1.50	12.00
<b>2nd Tier</b>	\$ 1.75	\$ 0.001750	8,001	100,000	13.75	161.00
<b>3rd Tier</b>	\$ 2.00	\$ 0.002000	100,001	200,000	163.00	200.00
<b>4th Tier</b>	\$ 2.50	\$ 0.002500	200,001	300,000	202.50	250.00
<b>5th Tier</b>	\$ 3.00	\$ 0.003000	300,001	100,000,000	253.00	299,100.00
<b>6th Tier</b>	\$ 3.50	\$ 0.003500	100,000,001	+	299,103.50	+

**Rate Tables for Water and Pressurized Irrigation**  
**Culinary Water Rates for users with PI Access**

	3/4 inch & 1 inch Meters					
	Rate per		Gallons		\$ Dollar	
	1000 gal	Gallon	From	To	Min \$	Max \$
<b>Base</b>	\$ 15.00					
<b>1st Tier</b>	\$ 1.50	\$ 0.001500	-	8,000	1.50	12.00
<b>2nd Tier</b>	\$ 3.00	\$ 0.003000	8,001	100,000	15.00	276.00
<b>3rd Tier</b>	\$ 4.00	\$ 0.004000	100,001	200,000	280.00	400.00
<b>4th Tier</b>	\$ 5.00	\$ 0.005000	200,001	300,000	405.00	500.00
<b>5th Tier</b>	\$ 6.00	\$ 0.006000	300,001	100,000,000	506.00	598,199.99
<b>6th Tier</b>	\$ 7.00	\$ 0.007000	100,000,001	+	598,206.99	+

**Rate Tables for Water and Pressurized Irrigation**  
**Pressurized Irrigation Rates for users with PI Access**

	3/4 inch & 1 inch Meters					
	Rate per		Gallons		\$ Dollar	
	1000 gal	Gallon	From	To	Min \$	Max \$
<b>Base</b>	\$ 15.00					
<b>1st Tier</b>	\$ 1.50	\$ 0.001500	-	8,000	1.50	12.00
<b>2nd Tier</b>	\$ 1.75	\$ 0.001750	8,001	100,000	13.75	161.00
<b>3rd Tier</b>	\$ 2.00	\$ 0.002000	100,001	200,000	163.00	200.00
<b>4th Tier</b>	\$ 2.50	\$ 0.002500	200,001	300,000	202.50	250.00
<b>5th Tier</b>	\$ 3.00	\$ 0.003000	300,001	100,000,000	253.00	299,100.00
<b>6th Tier</b>	\$ 3.50	\$ 0.003500	100,000,001	+	299,103.50	+

**Rate Table for Culinary Water w/Irrigation Usage**  
**Culinary Water Rates for users with PI Access that DO NOT Use it**

	3/4 inch & 1 inch Meters					
	Rate per		Gallons		\$ Dollar	
	1000 gal	Gallon	From	To	Min \$	Max \$
<b>Base</b>	\$ 30.00					
<b>1st Tier</b>	\$ 1.50	\$ 0.001500	-	8,000	1.25	12.00
<b>2nd Tier</b>	\$ 3.00	\$ 0.003000	8,001	100,000	15.00	276.00
<b>3rd Tier</b>	\$ 4.00	\$ 0.004000	100,001	200,000	280.00	400.00
<b>4th Tier</b>	\$ 5.00	\$ 0.005000	200,001	300,000	405.00	500.00
<b>5th Tier</b>	\$ 6.00	\$ 0.006000	300,001	100,000,000	506.00	598,199.99
<b>6th Tier</b>	\$ 7.00	\$ 0.007000	100,000,001	+	598,206.99	+

## Rate Tables for 1.5 inch Meter

### Rate Table for Culinary Water

**TABLE A-1.5 Culinary Water Rates for users w/out PI Access**

Base	1.5 inch Meter					
	\$	37.50				
	Rate per 1000 gal	Rate per Gallon	Gallons From	To	\$ Dollar Min \$	Max \$
1st Tier	\$ 1.50	\$ 0.001500	-	8,000	1.50	12.00
2nd Tier	\$ 1.75	\$ 0.001750	8,001	100,000	13.75	161.00
3rd Tier	\$ 2.00	\$ 0.002000	100,001	200,000	163.00	200.00
4th Tier	\$ 2.50	\$ 0.002500	200,001	300,000	202.50	250.00
5th Tier	\$ 3.00	\$ 0.003000	300,001	100,000,000	253.00	299,100.00
6th Tier	\$ 3.50	\$ 0.003500	100,000,001	+	299,103.50	+

### Rate Tables for Water and Pressurized Irrigation

**TABLE B-1.5 Culinary Water Rates for users with PI Access**

Base	1.5 inch Meter					
	\$	18.75				
	Rate per 1000 gal	Rate Per Gallon	Gallons From	To	\$ Dollar Min \$	Max \$
1st Tier	\$ 1.50	\$ 0.001500	-	8,000	1.50	12.00
2nd Tier	\$ 3.00	\$ 0.003000	8,001	100,000	15.00	276.00
3rd Tier	\$ 4.00	\$ 0.004000	100,001	200,000	280.00	400.00
4th Tier	\$ 5.00	\$ 0.005000	200,001	300,000	405.00	500.00
5th Tier	\$ 6.00	\$ 0.006000	300,001	100,000,000	506.00	598,199.99
6th Tier	\$ 7.00	\$ 0.007000	100,000,001	+	598,206.99	+

**TABLE C-1.5 Pressurized Irrigation Rates for users with PI Access**

Base	1.5 inch Meter					
	\$	18.75				
	Rate per 1000 gal	Rate per Gallon	Gallons From	To	\$ Dollar Min \$	Max \$
1st Tier	\$ 1.50	\$ 0.001500	-	8,000	1.50	12.00
2nd Tier	\$ 1.75	\$ 0.001750	8,001	100,000	13.75	161.00
3rd Tier	\$ 2.00	\$ 0.002000	100,001	200,000	163.00	200.00
4th Tier	\$ 2.50	\$ 0.002500	200,001	300,000	202.50	250.00
5th Tier	\$ 3.00	\$ 0.003000	300,001	100,000,000	253.00	299,100.00
6th Tier	\$ 3.50	\$ 0.003500	100,000,001	+	299,103.50	+

### Rate Table for Culinary Water w/Irrigation Usage

**TABLE D-1.5 Culinary Water Rates for users with PI Access that DO NOT Use it**

Base	1.5 inch Meter					
	\$	37.50				
	Rate per 1000 gal	Rate Per Gallon	Gallons From	To	\$ Dollar Min \$	Max \$
1st Tier	\$ 1.50	\$ 0.001500	-	8,000	1.25	12.00
2nd Tier	\$ 3.00	\$ 0.003000	8,001	100,000	15.00	276.00
3rd Tier	\$ 4.00	\$ 0.004000	100,001	200,000	280.00	400.00
4th Tier	\$ 5.00	\$ 0.005000	200,001	300,000	405.00	500.00
5th Tier	\$ 6.00	\$ 0.006000	300,001	100,000,000	506.00	598,199.99
6th Tier	\$ 7.00	\$ 0.007000	100,000,001	+	598,206.99	+

## Rate Tables for 2 inch Meter

**Rate Table for Culinary Water**  
**TABLE A-2.0 Culinary Water Rates for users w/out PI Access**

Base	\$ 90.00 2 inch Meter					
	Rate per 1000 gal	Rate per Gallon	Gallons From To		\$ Dollar Min \$ Max \$	
1st Tier	\$ 1.50	\$ 0.001500	-	8,000	1.50	12.00
2nd Tier	\$ 1.75	\$ 0.001750	8,001	100,000	13.75	161.00
3rd Tier	\$ 2.00	\$ 0.002000	100,001	200,000	163.00	200.00
4th Tier	\$ 2.50	\$ 0.002500	200,001	300,000	202.50	250.00
5th Tier	\$ 3.00	\$ 0.003000	300,001	100,000,000	253.00	299,100.00
6th Tier	\$ 3.50	\$ 0.003500	100,000,001	+	299,103.50	+

### Rate Tables for Water and Pressurized Irrigation

**TABLE B-2.0 Culinary Water Rates for users with PI Access**

Base	\$ 45.00 2 inch Meter					
	Rate per 1000 gal	Rate Per Gallon	Gallons From To		\$ Dollar Min \$ Max \$	
1st Tier	\$ 1.50	\$ 0.001500	-	8,000	1.50	12.00
2nd Tier	\$ 3.00	\$ 0.003000	8,001	100,000	15.00	276.00
3rd Tier	\$ 4.00	\$ 0.004000	100,001	200,000	280.00	400.00
4th Tier	\$ 5.00	\$ 0.005000	200,001	300,000	405.00	500.00
5th Tier	\$ 6.00	\$ 0.006000	300,001	100,000,000	506.00	598,199.99
6th Tier	\$ 7.00	\$ 0.007000	100,000,001	+	598,206.99	+

**TABLE C-2.0 Pressurized Irrigation Rates for users with PI Access**

Base	\$ 45.00 2 inch Meter					
	Rate per 1000 gal	Rate per Gallon	Gallons From To		\$ Dollar Min \$ Max \$	
1st Tier	\$ 1.50	\$ 0.001500	-	8,000	1.50	12.00
2nd Tier	\$ 1.75	\$ 0.001750	8,001	100,000	13.75	161.00
3rd Tier	\$ 2.00	\$ 0.002000	100,001	200,000	163.00	200.00
4th Tier	\$ 2.50	\$ 0.002500	200,001	300,000	202.50	250.00
5th Tier	\$ 3.00	\$ 0.003000	300,001	100,000,000	253.00	299,100.00
6th Tier	\$ 3.50	\$ 0.003500	100,000,001	+	299,103.50	+

### Rate Table for Culinary Water w/Irrigation Usage

**TABLE D-2.0 Culinary Water Rates for users with PI Access that DO NOT Use it**

Base	\$ 90.00 2 inch Meter					
	Rate per 1000 gal	Rate Per Gallon	Gallons From To		\$ Dollar Min \$ Max \$	
1st Tier	\$ 1.50	\$ 0.001500	-	8,000	1.25	12.00
2nd Tier	\$ 3.00	\$ 0.003000	8,001	100,000	15.00	276.00
3rd Tier	\$ 4.00	\$ 0.004000	100,001	200,000	280.00	400.00
4th Tier	\$ 5.00	\$ 0.005000	200,001	300,000	405.00	500.00
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