



Informational Meeting

Willmar Municipal Code Chapter 16 Sanitary Sewer and Rate Structure

- I. Major Changes
- II. Impact to Residential Community
- III. Impact to Commercial/Industrial Community
- IV. Proposed Rate Structure
- V. Questions and Answers

I. Major Changes

- Housekeeping
- Requirements
- Prohibited discharges to collection system
- Required Pretreatment Facilities
- *New Grease Management*

I. Major Changes

- New Grease Management

- Purpose

- Establishes uniform permitting
 - Prevent excessive amounts of fats, oils and grease (fog) into the system
 - Prevent clogging or blocking of the system
 - Cost recovery

Food Service Institutions

- **Consequences improper FOG management:**
 - Plumber's costs
 - Business loss
 - Environmental hazards
 - Increased sewer bills



II. Impact to Residential Community

- Prohibited discharges to collection system
 - Education, property owner responsibility
 - Medical waste disposal
- Grease Management
 - Proper disposal of household grease
- Rates

III. Impact to Commercial/Industrial Community

- Prohibited discharges to collection system
- Grease Management
- Rates

IV. Proposed Rate Structure

*Major Changes in Rate Structure-
Shifts a portion of the Debt Services Cost
into the Usage Charge*

- Rate Schedule Sewer Service Charges
- Exhibit A to Rate Schedule
- Proposed User Rates

IV. Proposed Rate Structure

Sewer service charges will be billed for the following described items, as applicable to a given user, at rates set out on the Table of Sewer Rates set out as Exhibit A to this Rate Schedule.

1. Administration (Billing) Charge
A charge on each account for administration and billing costs.
2. Utility Improvement Charge
A fixed charge on each account for utility improvement.
3. Usage Charge (basic metered rate)
A user charge based on water usage, with one unit equal to 1,000 gallons or 100 cubic feet, which may alternatively be expressed as a rate.
4. Meter Charge
A fee charged per meter determined by the size of meter in service.
5. Surcharge
A fee charged users discharging waste in excess of normal domestic strength for that portion of waste above normal domestic strength.
6. Non-Metered Rates
A charge for those customers whose separate, individual flow is not metered or measured and must be estimated, and is determined by using a numerical representative average for the type of user or customer.
7. Non-Compliance Fine
A measured or calculated value that falls outside the allowable values in the User's Industrial Wastewater Discharge Permit. This value is non-compliant and the User is subject to a Non-Compliance Fines.
8. Violation Fine
An amount to recover the related cost per violation of Chapter 16, Article III - Sanitary Sewer System, or any contractual agreement or Wastewater Discharge Permit.
9. Sump Pump User Fee
Permitted sump pumps discharging ground water during winter months

IV. Proposed Rate Structure

EXHIBIT A TO RATE SCHEDULE – SEWER SERVICE CHARGES
TABLE OF SEWER RATES

	2009	2010	2011	2012
1 Administration (Billing) Charge	\$2.26	\$2.35	\$2.44	\$2.54
2 Utility Improvement Charge ***	4.00	4.00	4.00	4.00
3 Usage Charge (basic metered rate)				
1 Unit = 1,000 Gallons				
Usage 0-1,200 units	1.37	1.85	2.32	2.90
Usage > 1,200 units	2.11	2.84	3.56	4.45
1 Unit = 100 Cubic Feet				
Usage 0-1,605 units	1.02	1.38	1.74	2.17
Usage > 1,605 units	1.58	2.12	2.66	3.33
4 Meter Charge				
5/8 inch	9.25	12.00	14.81	18.00
3/4 inch	13.88	18.00	22.22	27.00
1 inch	23.13	30.00	37.03	45.00
1.5 inch	46.25	60.00	74.05	90.00
2.0 inch	74.00	96.00	118.48	144.00
3.0 inch	148.00	192.00	236.96	288.00
4.0 inch	231.25	300.00	370.25	450.00
6.0 inch	462.50	600.00	740.50	900.00
5 Surcharge				
BOD & TSS charge per pound over 250 mg/l				
250mg/l – 299 mg/l	0.05	0.09	0.12	0.15
300 mg/l – 399 mg/l	0.06	0.10	0.13	0.16
400 mg/l – 499 mg/l	0.07	0.11	0.14	0.17
500 mg/l – 599 mg/l	0.08	0.12	0.15	0.18
600 mg/l – 699 mg/l	0.09	0.13	0.16	0.19
Over 700 mg/l	0.10	0.14	0.17	0.20
TKN per pound over 40 mg/l*	0.29	0.40	0.52	0.63
TP per pound over 5 mg/l*	0.28	0.57	0.85	1.13
Unpolluted water	\$100	\$100	\$100	\$100
6 Non-Metered Rates				
Residential	\$28.14	\$35.00	\$41.87	\$50.00
Commercial/Industrial **	46.21	57.49	68.76	82.12
Eagle Lake	28.10	36.19	44.36	53.87
<p>* Note charges only apply when TKN & TP removal are in place. ** Maximum charge; may be increased if Director of Public Works determines that flow and/or strength of sewage to be more than the average commercial/industrial user. *** Utility Improvement Charge of \$4.00: \$1 water, \$1 sanitary sewer, \$1 storm sewer, \$1 miscellaneous</p>				
7 Non-Compliance Fine				
a. Maximum Day Loading		\$1,000/day		
b. Maximum Month Loading		\$5,000		
c. Maximum 12-month rolling average		\$20,000		
d. Instantaneous Maximum		\$1,000/occurrence/day		
8 Violation Fine - \$100 to \$25,000				
9. Sump Pump Users Fee		\$10.00/month		

How to calculate Residential 2009 sewer bill?

- From Exhibit A to Rate Schedule
 - Each property is charged each of the following:
 1. Admin (Billing) Charge
 2. Utility Improvement Charge
 3. Usage Charge (basic metered rate)
 4. Meter Charge

1. Admin (Billing) Charge

A charge on each account for administration and billing costs.

\$2.26 in 2009

2. Utility Improvement Charge

A fixed charge on each account for utility improvements.

\$4.00

(\$1.00 water, \$1.00 sanitary sewer,
\$1.00 storm sewer, \$1.00 miscellaneous utility work)

3. Usage Charge (basic metered rate)

A user charge based on water usage, with one unit equal to 1,000 gallons or 100 cubic feet, which may alternatively be expressed as a rate. \$1.37/unit in 2009

- Average homeowner uses 6,500 gallons/month
- 6,500 gallons/1000 gallons/unit=6.5 units
- 6.5 units * \$1.37=\$8.91

4. Meter Charge

A fee charge per meter determined by the size of meter in service.

Average homeowner's meter size is 5/8 inch

\$9.25 in 2009

Residential 2009 sewer monthly bill

1. Admin (Billing) Charge	\$2.26
2. Utility Improvement Charge	\$4.00
3. Usage Charge (basic metered rate)	\$8.91
4. Meter Charge	<u>\$9.25</u>
Total Monthly Sewer Bill	\$24.42

IV. Proposed Rate Structure

Average Resident	2008	2009	2010	2011	2012
1. Administration Charge	\$2.17	\$2.26	\$2.35	\$2.44	\$2.54
2. Utility Improvement Charge	\$4.00	\$4.00	\$4.00	\$4.00	\$4.00
3. Usage Charge (Ave use 6500gal = 6.5 units)	\$8.91	\$8.91	\$12.03	\$15.08	\$18.85
4. Subtotal	\$15.08	\$15.17	\$18.38	\$21.52	\$25.39
5. Meter Charge	\$7.66	\$9.25	\$12.00	\$14.81	\$18.00
Total	\$22.74	\$24.42	\$30.38	\$36.33	\$43.39

Rates increased based on Average Resident % increase							
		% rate increased in 2008	2008	2009	2010	2011	2012
Non-metered Rates							
Resident	\$24.64	6.33%	\$26.20	\$28.14	\$35.00	\$41.87	\$50.00
Commercial/Industrial	\$40.46	6.35%	\$43.03	\$46.21	\$57.49	\$68.76	\$82.12
Eagle Lake	26.51	6.34%	\$28.19	\$30.27	\$37.66	\$45.05	\$53.80

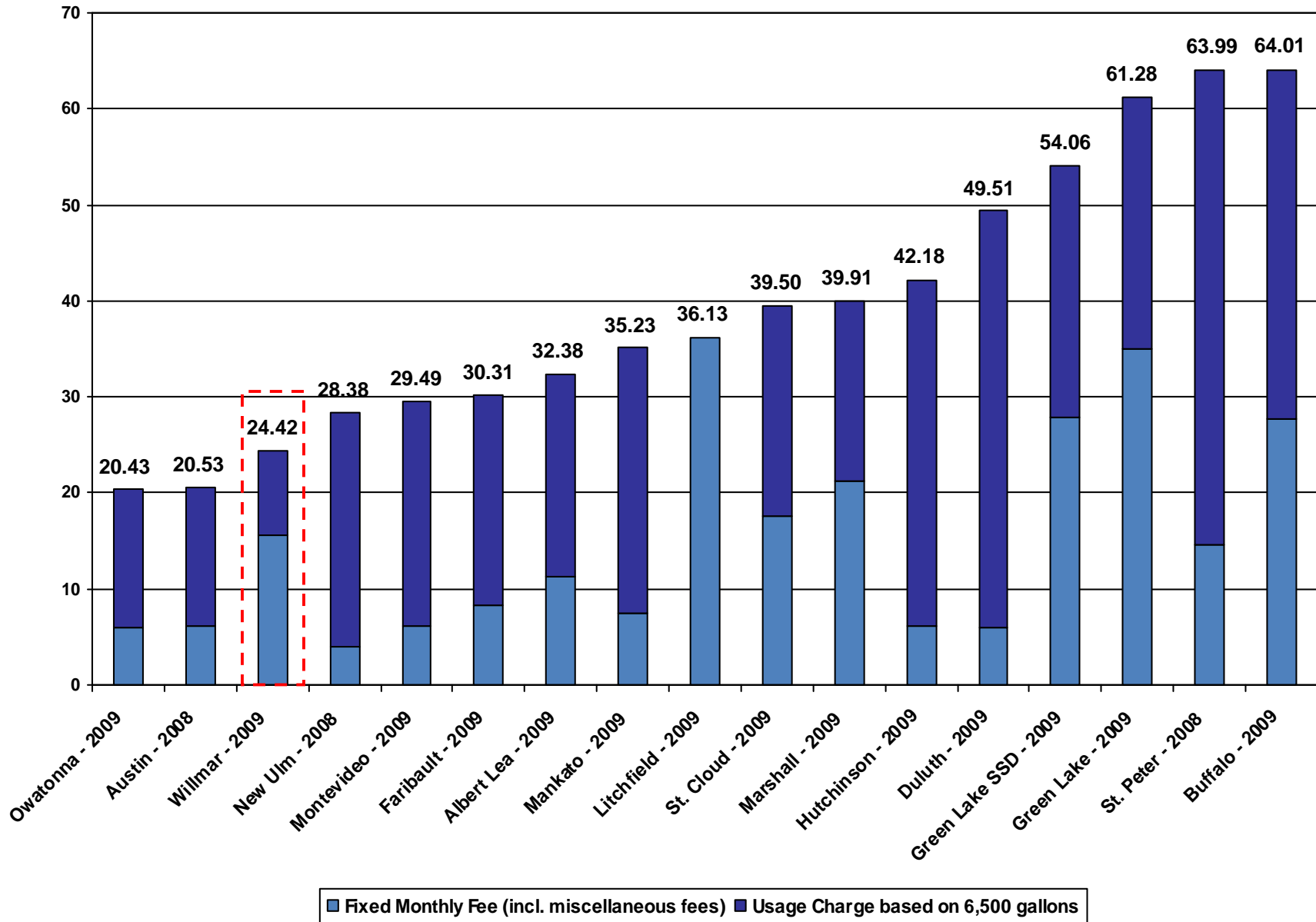
IV. Proposed Rate Structure

Retail				
375,750 gal/Month				
	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
1. Administration Charge	\$2.26	\$2.35	\$2.44	\$2.54
2. Utility Improvement Charge	\$4.00	\$4.00	\$4.00	\$4.00
3. Usage Charge 375.8 units, average use	\$514.78	\$695.14	\$871.74	\$1,089.68
4. Subtotal	\$521.04	\$701.49	\$878.18	\$1,096.22
5. Meter Charge (1 times 2inch meter)	\$74.00	\$96.00	\$118.48	\$144.00
Total	\$595.04	\$797.49	\$996.66	\$1,240.22

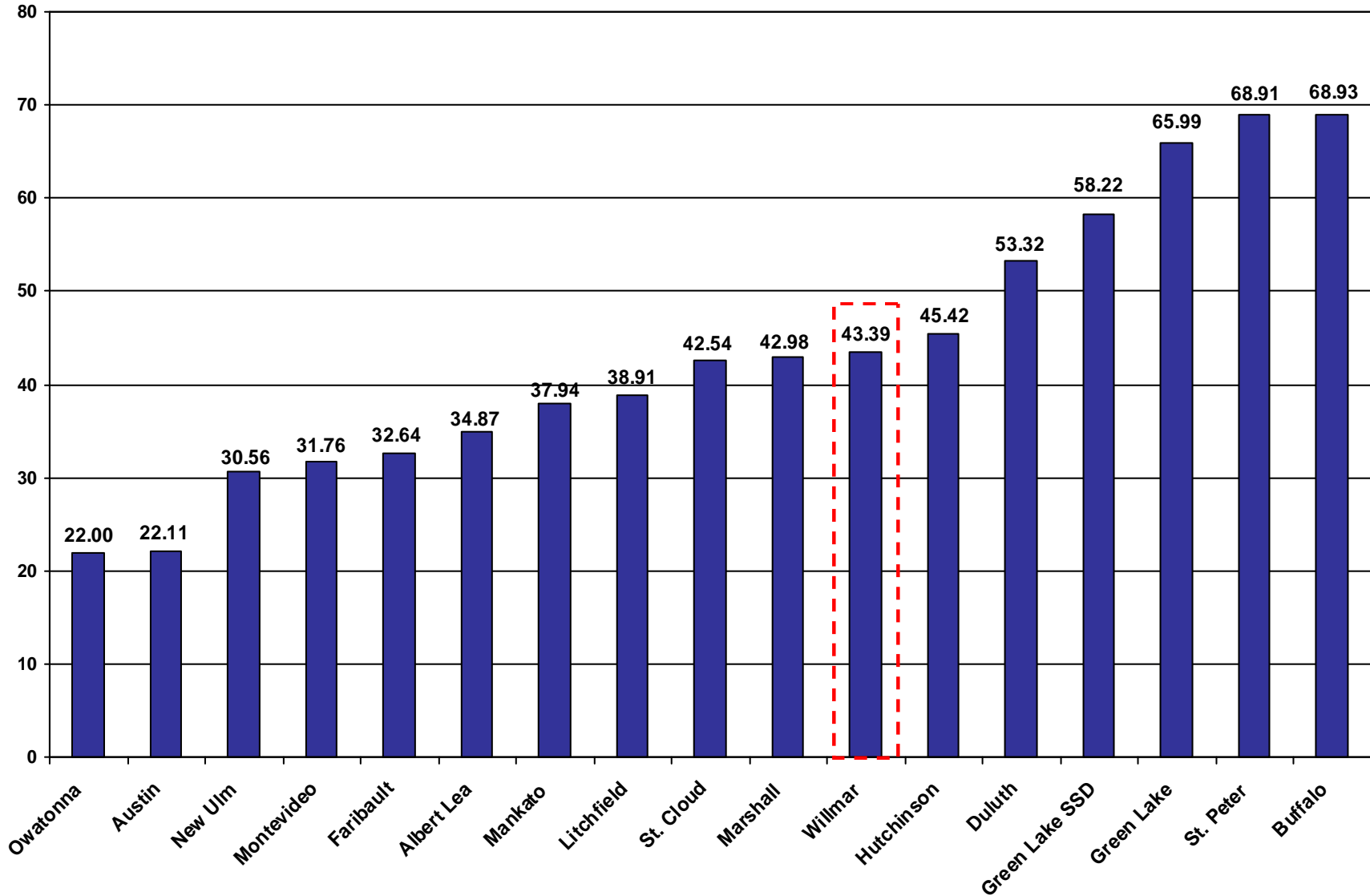
Restaurant				
56,100 gal/Month				
	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
1. Administration Charge	\$2.26	\$2.35	\$2.44	\$2.54
2. Utility Improvement Charge	\$4.00	\$4.00	\$4.00	\$4.00
3. Usage Charge 56.1 units, average use	\$76.86	\$103.79	\$130.15	\$162.69
4. Subtotal	\$83.12	\$110.14	\$136.59	\$169.23
5. Meter Charge (1 times 1 inch meter)	\$23.13	\$30.00	\$37.03	\$45.00
Total	\$106.25	\$140.14	\$173.62	\$214.23

Gas Station				
27,000 gal/Month				
	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
1. Administration Charge	\$2.26	\$2.35	\$2.44	\$2.54
2. Utility Improvement Charge	\$4.00	\$4.00	\$4.00	\$4.00
3. Usage Charge 27.0 units, average use	\$36.99	\$49.95	\$62.64	\$78.30
4. Subtotal	\$43.25	\$56.30	\$69.08	\$84.84
5. Meter Charge (1 times 1 inch meter)	\$23.13	\$30.00	\$37.03	\$45.00
Total	\$66.38	\$86.30	\$106.11	\$129.84

Sanitary Sewer Rate Comparison – Current Rates



Sanitary Sewer Estimated Rate Comparison 2012 Rates



■ 2012 Rate (Estimate based on 2.5% annual rate increase)

V. Questions and Answers

