

ORDINANCE NO. 8018

AN ORDINANCE AMENDING SECTIONS 705.040 AND 710.260 OF THE CODE OF THE CITY OF ST. PETERS, MISSOURI RELATING TO THE WATER AND SEWER RATES

BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF ST. PETERS, MISSOURI AS FOLLOWS:

SECTION NO. 1 - That Subsection (A) of Section 705.040 Water Rate Structure of the St. Peters City Code shall be amended to read as follows:

- A. Occupants and owners of premises connected to the water system of the City shall pay for water drawn from the water system of the City bi-monthly according to readings of the meters in each particular case as follows:

BI-MONTHLY FIXED FEE SCHEDULE

Meter Size	Fixed Charge
5/8"	\$ 30.56
3/4"	\$ 30.56
1"	\$ 76.39
1 1/2"	\$ 152.79
2"	\$ 244.46
3"	\$ 458.36
4"	\$ 763.93
6"	\$ 763.93
8"	\$ 763.93

- B. All water usage will be charged at \$2.46 for each one thousand gallons of water metered.

SECTION NO. 2 - That Subsection (C) of Section 710.260 Sewer Rate Structure of the St. Peters City Code shall be amended to read as follows:

- C. (Reference is made to Appendix A of this Ordinance, which is on file in the City offices.) The minimum bi-monthly charge shall be \$6.33 of which \$3.16 is for billing and collection, \$3.57 is for treatment of Infiltration and Inflow, and -\$0.39 is for miscellaneous revenue deductions. In addition, each contributor shall pay a user charge rate of \$4.20 per 1,000 gallons of water (or wastewater) as determined in Section 6 of Appendix A to this Ordinance, of which \$3.74 is for operation and maintenance, \$0.58 is for debt service, and -\$0.49 is for miscellaneous revenue deductions.

SECTION NO. 3 - That Subsection (D) of Section 710.260 Sewer Rate Structure of the St. Peters City Code shall be amended to read as follows:

- D. (Reference is made to Appendix A, which is on file in the City offices.) For those customers who

contribute wastewater, the strength of which is greater than normal domestic sewage, a surcharge in addition to the normal user charge will be collected. The Manager may opt to surcharge for COD if the ratio of COD:BOD exceeds 3:1. The surcharge for operation and maintenance including replacement is:

- \$0.95..... per pound BOD
- \$0.51..... per pound SS
- \$0.47..... per pound COD
- \$1.00..... per pound of Ammonia-N

SECTION NO. 4 - This Ordinance shall be in full force and effect for bills issued after October 1, 2024.

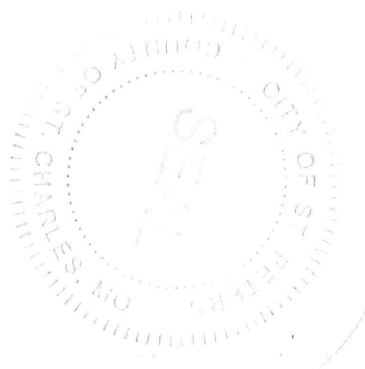
SECTION NO. 5. Savings Clause

Nothing contained herein shall in any manner be deemed or construed to alter, modify, supersede, supplant or otherwise nullify any other Ordinance of the City or the requirements thereof whether or not relating to or in any manner connected with the subject matter hereof, unless expressly set forth herein.

SECTION NO. 6. Severability Clause

If any term, condition, or provision of this Ordinance shall, to any extent, be held to be invalid or unenforceable, the remainder hereof shall be valid in all other respects and continue to be effective and each and every remaining provision hereof shall be valid and shall be enforced to the fullest extent permitted by law, it being the intent of the Board of Aldermen that it would have enacted this Ordinance without the invalid or unenforceable provisions. In the event of a subsequent change in applicable law so that the provision which had been held invalid is no longer invalid, said provision shall thereupon return to full force and effect without further action by the City and shall thereafter be binding.

Read two times, passed and approved this 22<sup>ND</sup> day of August, 2024.



  
Len Pagano, As Presiding Officer and as Mayor

Attest:   
Lisa L. Schroeder, City Clerk

## APPENDIX "A" TO SEWER USER CHARGE ORDINANCE

This appendix presents the methodology to be used in calculating user charge rates and surcharges and illustrates the calculations followed in arriving at the first year's user charges and surcharges. The unit costs established in this appendix are based on estimates of expenses and loadings. The actual expenses and loadings that occur may differ from these estimates and certainly they will change as time passes. Therefore, the unit costs must be reestablished whenever necessary to reflect actual expenses and loadings. Once the system is in use, the expenses and loadings can be determined from operating records and the unit costs can be adjusted based on these figures.

1. Expenses: The total annual expenses associated with the treatment works, as defined in Section 2(k) (8) of Ordinance No. 573, are estimated as follows:

	Wastewater	Water	Combined Customer Surcharge	Total
Billing and Collection	380,407	233,125	-	613,531
Administrative	486,161	296,444	1,490	784,094
Utilities	523,135	307,966	1,548	832,648
Labor	3,772,194	2,103,658	208,054	6,083,905
Material Costs	175,000	2,602,256	13,077	2,790,332
Replacement Costs	1,102,415	668,856	20,686	1,791,957
Debt Service	2,041,219	415,787	-	2,457,006
Purchase of Equipment	1,411,694	543,621	-	1,955,315
Other	884,522	456,404	14,116	1,355,042
Sub-Total	10,776,747	7,628,115	258,970	18,663,832

2. Allocation of Expenses: The total operation and maintenance including replacement expense is allocated to the appropriate pollutants in the following manner:

Annual \$ to Treat Annual Flow = % annual cost allocated to flow x (total annual O & M budget minus billing & collection, treatment of I & I, and debt service) (30%) = \$2,377,536

Annual \$ to Treat Annual BOD = % annual cost allocated to BOD x (total annual O & M budget minus billing and collection, treatment of I & I, and debt service) (45%) = \$3,566,304

Annual \$ to Treat Annual SS = % annual cost allocated to SS x (total annual O & M budget minus billing & collection, treatment of I & I, and debt service) (25%) = \$1,981,280

3. Loadings:

The hydraulic loading is estimated to be 2,129,410,000 gal/year

The BOD loading is estimated to be 3,762,007 pounds/yr

The SS loading is estimated to be 3,907,041 pounds/yr

4. Unit Costs:

Initial unit cost for Debt Service in \$/Gals =

<u>Annual Debt Service</u>	2,041,219	=	\$0.96 /M
Est. Annual Hydraulic Loading	2,129,410		

Initial unit cost for Flow in \$/Gals =

<u>Annual Cost to Treat Annual Flow</u>	2,377,536	=	\$1.12 /M
Est. Annual Hydraulic Loading	2,129,410		

Initial unit cost for BOD in \$/Pound =

<u>Annual Cost to Treat Annual BOD</u>	3,566,304	=	\$0.95 /lb
Est. BOD Treatment (lbs)	3,762,007		

Initial unit cost for SS in \$/Pound =

<u>Annual Cost to Treat Annual SS</u>	1,981,280	=	\$0.51 /lb
Est. SS Treatment (lbs)	3,907,041		

The unit cost for BOD and SS are to be inserted in Section 6 of this Appendix.

5. Minimum Charge:

Annual Billing and Collection Cost	380,407
Annual cost to treat inflow/infiltration (assumed clear water) including c	430,000
Misc. Non-Rate Revenue Deduction	(47,056)
Total Annual Minimum Cost	763,351

Minimum Charge / User / Billing Period	
(763,351/20,089/6)	6.33

This minimum charge/user/billing period is to be inserted in Section 2 of this Ordinance.

6. Residential User Unit Charge: The maximum residential user unit charge is calculated as follows using the pollutant concentration defining normal domestic wastewater in Section 2 (k) (2), of Ordinance No. 573. The Residential User Charge could be up to, but no greater than the amount calculated below.

Debt Service Unit Charge = unit flow charge (Debt Service/Total Loading)	\$0.96 /M
Residential Unit Charge = unit flow charge (Flow Cost/Total Loading)	\$1.12 /M
BOD Unit Charge = unit flow charge (BODND)212(0.00834)	\$1.67 /M
SS Unit Charge = unit flow charge (TSSND)220(0.00834)	\$0.93 /M
Misc. Non-Rate Revenue Deduction	-\$0.49 /M
Total Variable Rate	\$4.20

Where: Residential unit charge is in \$/1000 gal.

\* Unit flow charge is in \$/1000 gal. from Paragraph 4

\* Unit BOD charge is in \$/1000 gal from Paragraph 4

\* Unit SS charge is in \$/1000 gal from Paragraph 4

This total residential unit charge is to be inserted in Section 3 of this Ordinance.

7. Extra Strength Users: For users who contribute wastewater that has greater strength than normal domestic wastewater, the users charge will be calculated as follows:

Total bi-monthly charge is extra strength user =  
charge to residential user + surcharge for BOD (if appropriate) + surcharge for SS (if appropriate) + surcharge for COD (if appropriate)

Total bi-monthly charge to extra strength users:

minimum charge

+v(residential unit charge)

+v(unit BOD charge) (BOD<sub>ES</sub> - BOD<sub>ND</sub>) (.00834)

+v(unit SS charge) (SS<sub>ES</sub> - SS<sub>ND</sub>) (.00834)

+v(unit COD charge) (COD<sub>reported</sub> - COD<sub>limit</sub>) (.00834)

Where: Total bi-monthly charge to extra strength user is in dollars.

\* Minimum charge is in dollars as calculated in paragraph 5

\* v is the volume of wastewater in 1000 gallons discharged by the extra strength user during the billing period.

\* Residential unit charge is in \$/1000 gal. as calculated in paragraph 6.

\* Unit BOD charge is in \$/lb. BOD from paragraph 4.

\* Unit SS charge is in \$/lb. SS from paragraph 4.

\* Unit COD Surcharge Rate (\$/lb) = 50% of BOD Rate (\$/lb)

\* BOD<sub>ES</sub> is the reported BOD concentration in milligrams per liter (mg/l) contributed by the extra strength user during the billing period.

\* SS<sub>ES</sub> is the reported SS concentration in mg/l contributed by the extra strength user during the billing period.

\* BOD<sub>ND</sub> is the normal domestic BOD strength in milligrams liter (mg/l) as defined in Section 710.010 of the Code of the City of St Peters and .00834 is a unit conversion factor.

\* SS<sub>ND</sub> is the normal domestic SS strength in mg/l as defined in Section 710.010 of the Code of the City of St Peters and .00834 is a unit conversion factor.

\* COD<sub>reported</sub> is the reported COD strength in mg/l as reported by the extra strength user in accordance to their Industrial Wastewater Discharge Permit.

\* COD<sub>limit</sub> is the local COD limit as defined in Section 710.010 of the Code of the City of St Peters and .00834 is a unit conversion factor