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Department of Utilities  
Wastewater Treatment Plant  
2006 East Newberry Street  
Appleton, Wisconsin 54915 – 2758  
920 – 832 – 5945 tel.  
920 – 832 – 5949 fax

To: Chairperson Baranowski and Members of the Utilities Committee

From: Director of Utilities Chris Shaw  
Deputy Director of Utilities Chris Stempa  
Enterprise Fund Accounting Manager Kelli Rindt

Date: October 4, 2018

RE: *Approval of a 1% Rate Increase for Receiving Station Waste Haulers effective January 1, 2019*

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**BACKGROUND:**

The Wastewater Facility "Receiving Station" is an environmentally managed disposal site for hauled wastes generated outside of the City of Appleton. The Receiving Station Program was approved by the Wisconsin Department of Natural Resources (WDNR) in 1999 with the understanding that the wastes accepted would not have adverse effects on the Wastewater Treatment Plant operation nor introduce any harmful pollutants that could pass-through to the Fox River. This program relies on utilizing excess treatment capacity by introducing wastes directly into the 4.4 million gallon anaerobic digesters.

The Receiving Station site opened in late summer 1999. At that time the decision was made to solicit wastes from the dairy industry. Since that time, other wastes have been accepted and are from the food industry, landfill leachate, and other wastewater treatment plants. The program currently includes 30 approved wastes that are transported by 6 permitted waste haulers.

**REVENUE:**

On January 1, 2010 the rate structure was changed from a single rate to a five-tier system based on the characteristics of the waste. TSS is a parameter tested for and is believed to be the most representative indicator of treatment costs incurred by the AWWTP. The range in TSS concentrations generalizes other important treatment characteristics of authorized hauled wastes. These characteristics include biological oxygen demand (BOD), nitrogen, and phosphorus. Each of these parameters has a specific treatment cost associated with them.

Since 1999 there have been five rate increases for the permitted haulers. Table 1 summarizes rate increases since 1999. Table 2 depicts receiving station revenue generated annually since 2009.

**Table 1: Receiving Station Rate Increases**

Year	Increase	Cost/Ton
1999	Starting Rate	\$4.80
2003	3.00%	\$4.94
2006	5.25%	\$5.20
2010	Began Tier Fee Structure	Variable
2015	10%	Variable
2018	3%	Variable

**Table 2: Receiving Station Revenue**

Year	Revenue
2009	\$498,089
2010	\$643,217
2011	\$591,805
2012	\$666,890
2013	\$643,934
2014	\$1,050,250
2015	\$1,473,124
2016	\$2,161,440
2017	\$2,701,593

**BASIS FOR PROPOSED RATE INCREASE:**

Receiving Station wastes enter directly to the facility’s anaerobic digesters or to headworks based on treatability characteristics. These are physical, chemical, and biological treatment processes which rely upon direct costs associated with electrical, natural gas, and chemical usage to sustain them. In addition to the aforementioned treatment costs, the majority of the wastes are generated from food based industries that are high in salts (i.e. chlorides). Therefore, tanks, piping, pumps, and even concrete structures are subject to degradation and maintenance. A number of projects have been completed over the history of the program to ensure proper waste treatment. The following are a list of major projects: \$35,000 to add an additional receiving waste station to the headworks and \$160,000 to refurbish the concrete floor of the primary clarifiers #1 - #4.

Additionally, the dewatered end product, biosolids, must be transported for land spreading to an approved agricultural site. The hauling and application of biosolids tends to be the greatest cost variable for biosolids. Over the next three years there will be a 3% contractual increase in hauling rates.

**RECOMMENDATION:**

I am requesting approval of a nominal rate increase for Receiving Station Waste Haulers of 1% (see Table 3) effective January 1, 2019. The rate increase is estimated to provide approximately \$36,000 of additional revenue to the Wastewater Utility on an annual basis. This increase helps ensure that the Utility is covering treatment, maintenance, replacement, and operational related expenses. This rate change does not require authorization outside of the City of Appleton.

**Table 3: Proposed Tier Rate Structure**

<b>Tier</b>	<b>2017 Rate</b>	<b>2018 Rate</b>	<b>2019 Proposed Rate</b>
1	\$5.25	\$5.40	\$5.45
2	\$7.30	\$7.50	\$7.60
3	\$12.00	\$12.40	\$12.50
4	\$16.50	\$17.00	\$17.20
5	\$22.00	\$22.70	\$22.95