

# **Kearny Municipal Utilities Authority Hudson County, New Jersey**

2024 Sanitary Sewer User Charge Study

May 2024

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# Kearny Municipal Utilities Authority Hudson County, New Jersey

## 2024 Sanitary Sewer User Charge Study

May 2024



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# 1 Introduction

The Kearny Municipal Utilities Authority (*KMUA*) provides sewer service to a portion of the Town of Kearny, known as South Kearny and the Kearny Meadowlands. Wastewater collected by KMUA from these areas flows to the Kearny Point Pumping Station (formerly the South Kearny Treatment Facility), which is located at the southern tip of the Kearny Point Peninsula. The wastewater receives preliminary treatment at the pump station and is then pumped to the Passaic Valley Sewerage Commission (*PVSC*) Treatment Facility in Newark via a 30-inch prestressed concrete pressure pipe force main for secondary treatment and discharge to the Upper New York Bay.

The South Kearny service area includes the original sewer system that dates to the early 1900's. These sewers originally received both sanitary and storm flows. Until 1998, this was the only tributary service area of the KMUA. In 1998, a new gravity sewer, sewage pump station and force main were constructed by the KMUA to provide sewer service to the Kearny Meadowlands. The collection system constructed in this district is a separate sanitary sewer system that conveys flow to the Harrison Avenue Pump Station, discharging to the South Kearny district.

Currently, the KMUA facilities consists of approximately ten (10) miles of sewers and five (5) pump stations. KMUA has the economic responsibility for the maintenance and operation of these facilities. A user charge system is required to provide the funds needed for the Authority's operations, maintenance and repayment of debt associated with these facilities. The user charge system is intended to recover the costs required to provide sewer service to the users that are within the KMUA service area. Accordingly, the KMUA has authorized Mott MacDonald to prepare this year's study to review the cost of system operation and current revenues for the purpose of establishing a sewer user charge system which equitably recoups the cost of the KMUA services from its users.

## 2 User Classifications

Currently, there are sixty-three (63) active KMUA customers. However, it is recognized that there are several users within the KMUA system whose nature of operation is such that there is much greater water consumption than actual sewer discharge or vice-versa. Accordingly, while most users will be billed based on municipal water meters, some users will require special water or sewage metering. The KMUA customers are separated into three (3) classes as follows:

- Class I            All customers with billing based on municipal water utility meters.
- Class II           Customers with billing based on private water meters.
- Class III          Customers with billing based on wastewater meters.

For 2024, forty-seven (47) customers will be Class I customers and will have their sewer bills based upon the previous year's water consumption. In cases where Veolia Water used an estimated consumption values in the past year, the customer's historical data will be reviewed and compared to the estimated usage. If the estimated usage is within the reasonable range of the customer's consumption, then the data will be accepted as is, otherwise an average of the past four years of actual historical data will be used in lieu of the estimated values provided by Veolia Water. In cases where Veolia Water used an estimated consumption value in the past two or more years and the estimates have been comparable, the estimated values provided by Veolia Water will be used for the purposes of this study.

In cases where a significant amount of water consumed by a customer is not returned to the sewer system as wastewater, a Class II customer is named. A Class II customer is allowed to install additional private water meters. These meters are placed to allow measurement of water consumption which generates wastewater. The anticipated Class II customers will include the following:

1. National Water Main Cleaning Co.
2. River Terminal - Jacobus Avenue Property (JAP)
3. River Terminal - Central Avenue Property (CAP)
4. Hugo Neu
5. Kuehne Chemical Company

Class II customer status is subject to review and approval of KMUA with the requirement that KMUA representatives are authorized to monitor and inspect all meters utilized for the measurement of water for billing purposes.

Customers that have flow meters measuring actual wastewater flow are classified as Class III customers. Other than the New Jersey Sports and Exposition Authority (NJSEA) and U.S. Postal Services, which provide their own flow data, most Class III customer flow information is monitored by PVSC and provided to KMUA for the purposes of this report. This data includes volume, BOD and TSS values, which are used to perform surcharge calculations shown in Table 3.

The Class III customers for 2024 are:

1. NJSEA – 1-A Landfill\*
2. NJSEA – Keegan Landfill\*
3. NJ Transit Meadows Maintenance Complex
4. U.S. Postal Service
5. NJDEP MSLA 1-D Landfill
6. Hartz Mountain Landfill
7. Spectraserv, Inc.
8. OJ Food Grade Tank Truck Wash, Inc.
9. Hudson County Correctional Facility (Hudson County Jail)
10. Talbot Hall (Community Education Corporation)
11. Hugo Neu Cooperative Laundry

\* NJSEA is not assessed PVSC fees based upon April 2004 EnCAP Agreement.

Under the user charge system, a consistent charge per unit volume of water/wastewater will be applied to the water consumption (Class I and II) or wastewater generation (Class III) of each customer. Since the municipal water utility meters report units of volume in Hundred Cubic Feet (*HCF*), it is recommended that this measurement unit also be used by the KMUA for wastewater charges.



### 3 KMUA Revenue Requirements

The costs of operating the KMUA are summarized in the annual KMUA budget. Table 1 of this report shows the annual KMUA budgets for the years 2019 – 2024 and provides the breakdown of revenues, expenses, and debt service from the KMUA for this time. The corresponding Charts 1 through 5 also predict the KMUA budget and revenue requirements through 2025.

**Table 1**

Table 1 shows that the annual revenue requirement. In 2024, the budget is approximately \$4.195 million. This has decreased by approximately 0.58% since 2019. In 2019, the budget was approximately \$4.220 million.

Charts 1 to 5 show the average percent increases of total revenue, total operating cost, total debt service, total appropriations, and total revenue requirement. These charts are prepared by reviewing trends on historical data from 2019 – 2024 and forecasting the data into year 2025. This data depends on KMUA’s debt service, which can vary depending on how repayment of the debt is structured and will need to be adjusted if additional debt is incurred during any one year. The total debt service for this year is \$1,145,142.00. This includes bond and note interest.

Another significant cost component to the KMUA’s operation is the amount paid to PVSC for wastewater treatment. The 2024 KMUA revenue requirement for PVSC charges is based on the Kearny Point Pump Station billing meter located at Kearny Point. This cost is variable as it depends on metered wastewater flows, the quantity of Biochemical Oxygen Demand (BOD), and Total Suspended Solids (TSS) contained in the wastewater. It shall be noted that the metered wastewater flows include infiltration and inflow components, which rise and fall depending on the rainfall amounts in any one year. The total PVSC charge for 2024 is \$994,243 based on KMUA’s PVSC 2023 bill to the Town of Kearny. It shall be noted that the amounts above are calculated to the KMUA as a share of the total PVSC bill to the Town of Kearny. For 2024, the unit costs that PVSC charges for discharge volume, BOD, and TSS are \$557.0411, \$438.5771, and \$479.6407, respectively. The below table highlights PVSC charges for these items since 2019.

**PVSC charges on Volume, BOD and TSS from 2019 to 2024**

Year	Volume (per million gallons)	BOD (per 1,000 lbs.)	TSS (per 1,000 lbs.)
2024	\$557.0411	\$438.5771	\$479.6407
2023	\$523.0137	\$433.4064	\$477.6874
2022	\$502.6464	\$434.2983	\$471.5685
2021	\$502.7203	\$434.6954	\$482.5278
2020	\$499.6369	\$430.6150	\$466.0827
2019	\$498.0567	\$432.9103	\$465.2176

As per the above table, the PVSC unit charges have increased in 2024. The PVSC unit cost for flow has increased by 6.51% from last year’s unit charge. Apart from the change from 2021 to 2022, the unit cost for flow has increased every year and has increased by 11.84% from 2019 to 2024.

This year’s BOD charge has increased by 1.19% from last year’s unit charge. The BOD charge has fluctuated within the past six (6) years but has increased 1.31% from 2019 to 2024.

The TSS unit cost has increased by 0.41% from last year's unit charge. Apart from the change from 2021 to 2022, the TSS charge has increased every year and has increased by 3.10% from 2019 to 2024.

## Table 2

Table 2 isolates the 2024 Summary of Budget Data for the purpose of establishing the 2024 KMUA revenue requirement through user charge reimbursement. The 2024 total KMUA revenue requirement is approximately \$4.195 million. The KMUA has also earned interest on investments and deposits in the amount of \$5,000.00. The total revenue earned in 2024 that qualifies for reimbursement through the user charge is approximately \$3.995 million.

## 4 Revenue Sources

The KMUA continues to have three (3) primary sources of revenue under the current sewer rate structure. They are as follows:

1. Base Sewer Rate per Hundred Cubic Feet (HCF) of water consumption (Class I & Class II) or Hundred Cubic Feet (HCF) of wastewater discharged (Class III).
2. Surcharges on Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS).
3. Connection Fees charged to new customers of the KMUA.

### Table 3

Table 3 has been prepared to establish the surcharges on BOD and TSS. This table presents the volume discharge (in million gallons), BOD, and TSS loads, which are monitored by PVSC and billed to the Town of Kearny. PVSC monitors nine (9) industries within the KMUA sewer district. PVSC provides KMUA with the monitoring results for these industries including flow (in million gallons), BOD (per 1,000 lbs.), and TSS (per 1,000 lbs.). The bill provided to the Town of Kearny for wastewater has concentrations of 167.81 milligrams per liter of BOD and 146.40 milligrams per liter of TSS. It shall be noted that typical wastewater contains both BOD and TSS and that the quantities billed are based on average concentrations. Customers within the KMUA sewer district may contribute amounts higher or lower than these concentrations and this should be assessed as part of the KMUA user charge.

We have computed the BOD and TSS concentrations for each of PVSC's monitored industries for the purpose of determining which industries contribute higher than the average concentration. These industries will have excess of BOD and TSS concentration in their wastewater, and therefore, a surcharge will be assessed and applied to their user charge. Where the BOD or TSS are less than the Town of Kearny average for these industries, no surcharge will be assessed or applied.

Based upon this analysis, the KMUA can anticipate \$29,911.14 in BOD surcharge and \$5,149.04 in TSS surcharge, which totals \$35,060.18. This revenue will defray a portion of the total PVSC bill of \$994,243.00. Accordingly, the remaining PVSC charge of \$959,182.82 will need to be funded through the flow-based user charge rate along with the other operations, maintenance and debt service requirements listed in Table 2.

## 5 2024 User Charge

To arrive at the base sewer rate per one hundred cubic feet, we have totalized the flow records of all users within the KMUA sewer district for total annual water consumption (Class I and II) and wastewater generation (Class III). The total for this amount is 550,456 HCF as shown in Table 4.

In 2004, an agreement was made between the New Jersey Meadowlands Commission (*EnCAP*) and PVSC which stated that the New Jersey Meadowlands Commission was not to be assessed PVSC user charges from that point forward. The New Jersey Sports and Exposition Authority (*NJSEA*) is the successor to New Jersey Meadowlands Commission. To comply with this agreement, the user rate was calculated by separating the total KMUA revenue requirement from all service charges of \$4,194,899.10 into two components. These include the KMUA local revenue requirement of \$3,200,656.10 and the PVSC charges of \$994,243.00. The first component applies to all KMUA users including the NJSEA. The PVSC charges are partially defrayed by the BOD/TSS surcharges of \$35,060.18. The remaining PVSC charge (\$959,182.82) is recovered from all KMUA users except the NJSEA through the user charge.

The KMUA local revenue requirement of \$3,200,656.10 is then divided by the total volume of 550,456 HCF, resulting in a whole rate of \$5.82/HCF. The KMUA volume, excluding the NJSEA volume, is 262,712 HCF. The PVSC charges of \$959,182.82 are then divided by the 262,712 HCF and results in the whole rate of \$3.66/HCF. Accordingly, the 2024 KMUA user charge is \$9.48/HCF to all KMUA customers except for the NJSEA, where the applicable rate is \$5.82/HCF.

Table 4 provides for this calculation and for the 2024 charge for the individual KMUA users. Columns 1 - 5 provide a description of the customer. Column 6 identifies their flow in HCFY. Column 7 provides their charge based upon \$5.82/HCF. Column 8 provides their PVSC charge based upon \$3.66/HCF. Where BOD or TSS surcharge has been identified for a monitored industry in Table 3, Column 9 identifies their surcharge. Column 10 is the summation of Columns 7 – 9, as applicable and is the total charge for those users.

The local revenue component of the rate of \$5.82/HCF represents a 13.39% decrease from the rate of \$6.72 in 2023. The PVSC component of the rate of \$3.66/HCF represents a 4.19% decrease to the rate of \$3.82 in 2023. The overall rate of \$9.48/HCF represents a decrease of 10.06% from the 2023 rate of \$10.54/HCF.

### Recommendation

It is our understanding that the KMUA anticipates several capital improvement projects to be constructed during 2024. Additionally, there have been recent discussions of a full 100% cap of the Keegan Landfill, a large contributor to flow in KMUA's service district (based on this year's user charge study, the landfill would have had an anticipated sewer bill of approximately \$320,000, assessed at \$9.48/HCF). Given the quarterly billing cycle employed by the KMUA, it has been determined that this revenue may not be realized. By anticipating a full cap of the Keegan Landfill, zeroing the discharge for this customer would equal a total whole rate of \$10.12/HCF, which represents a 3.9% decrease from the 2023 rate of \$10.54/HCF. As per the published Consumer Price Index provided by the U.S. Department of Labor Bureau of Labor Statistic used to measure inflation, the average annual inflation rate for 2023 was 4.1%. This is slightly higher than the anticipated decrease in the rate with zero flow from Keegan Landfill. To prevent revenue strain on the Authority per the abovementioned reasons, it is recommended

that the KMUA hold the user charge rate for 2024 at \$10.54/HCF. Table 5 provides the anticipated customer charges for 2024 at this rate.

## 6 Connection Fee

The method for establishing the connection fee is established through regulation and should be computed annually based upon taking the total of the past capital expenditures by the Authority. The capital expenditures should include funds taken from annual general revenues to pay for capital improvements, as well as debt service (principal and interest) paid by the KMUA for improvements to the system and dividing this amount by the total number of flowed EDUs within the system.

In 2023, there were two (2) new connections made to the system. Based upon the total number of flowed EDUs within the KMUA's system of 7,136 EDU's and the total debt service paid through December 31, 2023, of \$42,130,203.00, the connection fee for 2024 is \$5,903.90/EDU. The number of EDUs are calculated based on the PVSC billing meter installed at Kearny Point Pump Station for the period of October 31, 2022, to November 1, 2023. The total debt service paid is reflecting the total debt incurred by KMUA, including the \$1,145,142.00 budgeted for this year.

It is emphasized that only the cost that has already been paid by the existing customers is included in this computation to represent the investment that these customers have made to the system. The connection fee is intended to allow a new customer to connect to the system with an investment of similar magnitude. It is recommended that the Authority annually update the connection fee. As the Authority pays principal and interest on bonds each year, the connection fee will increase incrementally each year. The connection fees can be used as a revenue source which can either defray future operating costs or can accelerate the repayment of debt. In either case, it has a stabilizing effect on user fees.

**Kearny Municipal Utilities Authority  
Hudson County, New Jersey  
2024 User Charge Setting Report  
Table 1 - Summary of Budget Data (2019-2024)**

TABLE 1-SUMMARY OF BUDGET DATA 2019-2024						
	2019 BUDGET <sup>†</sup>	2020 BUDGET <sup>†</sup>	2021 BUDGET <sup>†</sup>	2022 BUDGET <sup>†</sup>	2023 BUDGET <sup>†</sup>	2024 BUDGET <sup>†</sup>
<b>REVENUES</b>						
<b>Operating Revenues</b>						
Service Charges	\$ 4,175,537.00	\$ 4,163,102.00	\$ 3,709,546.00	\$ 3,738,312.00	\$ 3,941,718.00	\$ 3,990,142.00
Connection Fees						
Parking Fees						
Other Operating Revenues						
<b>Non-Operating Revenues</b>						
Op Grants & Entitlements						
Local Subsidies & Donations						
Interest on investments & deposits	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00
Other Non-Op Revenues						
<b>Total Revenues</b>	<b>\$ 4,177,537.00</b>	<b>\$ 4,165,102.00</b>	<b>\$ 3,711,546.00</b>	<b>\$ 3,740,312.00</b>	<b>\$ 3,943,718.00</b>	<b>\$ 3,995,142.00</b>
<b>APPROPRIATIONS</b>						
<b>Administration</b>						
Salaries and Wages	\$ 190,000.00	\$ 160,000.00	\$ 150,000.00	\$ 150,000.00	\$ 180,000.00	\$ 185,000.00
Employees Benefits (Fringe)	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 120,000.00	\$ 130,000.00
Other Legal/Admin Expenses	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 160,000.00
Total Administration	\$ 440,000.00	\$ 410,000.00	\$ 400,000.00	\$ 400,000.00	\$ 450,000.00	\$ 475,000.00
<b>Cost of Providing Services (COPS)</b>						
Total Non-PVSC COPS*	\$ 985,000.00	\$ 1,038,000.00	\$ 1,187,000.00	\$ 1,210,000.00	\$ 1,380,000.00	\$ 1,380,757.00
Passaic Valley SC	\$ 1,090,000.00	\$ 1,062,000.00	\$ 963,000.00	\$ 965,000.00	\$ 945,000.00	\$ 994,243.00
Total Operations	\$ 2,075,000.00	\$ 2,100,000.00	\$ 2,150,000.00	\$ 2,175,000.00	\$ 2,325,000.00	\$ 2,375,000.00
<b>Debt Service</b>						
Bond Principal Payments	\$ 915,868.00	\$ 931,306.00	\$ 953,426.00	\$ 974,204.48	\$ 998,637.00	\$ 990,215.72
Bond and Note Interest	\$ 746,669.00	\$ 723,796.00	\$ 208,120.00	\$ 191,107.52	\$ 173,405.00	\$ 154,926.28
Total Debt Service	\$ 1,662,537.00	\$ 1,655,102.00	\$ 1,161,546.00	\$ 1,165,312.00	\$ 1,172,042.00	\$ 1,145,142.00
<b>Total Appropriations</b>	<b>\$ 4,177,537.00</b>	<b>\$ 4,165,102.00</b>	<b>\$ 3,711,546.00</b>	<b>\$ 3,740,312.00</b>	<b>\$ 3,947,042.00</b>	<b>\$ 3,995,142.00</b>
<b>MISCELLANEOUS ADJUSTMENTS</b>						
Fund Balance Applied	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retained Earnings Appropriated	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Sub Total Appropriations</b>	<b>\$ 4,177,537.00</b>	<b>\$ 4,165,102.00</b>	<b>\$ 3,711,546.00</b>	<b>\$ 3,740,312.00</b>	<b>\$ 3,947,042.00</b>	<b>\$ 3,995,142.00</b>
<b>CONTINGENCY AMOUNT**</b>	<b>\$ 41,775.37</b>	<b>\$ 1,249,530.60</b>	<b>\$ 371,154.60</b>	<b>\$ 374,031.20</b>	<b>\$ 197,352.10</b>	<b>\$ 199,757.10</b>
<b>TOTAL REVENUE REQUIREMENT</b>	<b>\$ 4,219,312.37</b>	<b>\$ 5,414,632.60</b>	<b>\$ 4,082,700.60</b>	<b>\$ 4,114,343.20</b>	<b>\$ 4,144,394.10</b>	<b>\$ 4,194,899.10</b>

\* Includes Grit Removal, Equipment Repairs and Supplies, Fees and Permits, Consulting Fees, Laboratory, Education, Utilities, Property Lease, Trustee Fees.

\*\* 2024 Contingency is 5%

<sup>†</sup>In 2011, KMUA budget line items were revised to implement a new accounting system.

Prepared by Mott MacDonald, March 2024

**Kearny Municipal Utilities Authority  
Hudson County, New Jersey  
2024 User Charge Setting Report  
Table 2 - Summary of Budget Data 2024**

DESCRIPTION	2024 BUDGET
<b>REVENUES</b>	
<b>Operating Revenues</b>	
Service Charges	\$ 3,990,142.00
Connection Fees	
Parking Fees	
Other Operating Revenues	
<b>Non-Operating Revenues</b>	
Op Grants & Entitlements	
Local Subsidies & Donations	
Interest on investments & deposits	\$ 5,000.00
Other Non-Op Revenues	\$ -
<b>Total Revenues</b>	<b>\$ 3,995,142.00</b>
<b>APPROPRIATIONS</b>	
<b>Administration</b>	
Salaries and Wages	\$ 185,000.00
Employees Benefits (Fringe)	\$ 130,000.00
Other Legal/Admin Expenses	\$ 160,000.00
<b>Total Administration</b>	<b>\$ 475,000.00</b>
<b>Cost of Providing Services (COPS)</b>	
Total Non-PVSC COPS*	\$ 1,380,757.00
Passaic Valley SC	\$ 994,243.00
<b>Total Operations</b>	<b>\$ 2,375,000.00</b>
<b>DEBT SERVICE</b>	
Bond Principal Payments	\$ 990,215.72
Bond and Note Interest	\$ 154,926.28
Total Debt Service	\$ 1,145,142.00
Adjustments and Fund Balance Adjustment	\$ -
<b>SUBTOTAL APPROPRIATIONS</b>	<b>\$ 3,995,142.00</b>
<b>CONTINGENCY AMOUNT</b>	<b>\$ 199,757.10</b>
<b>TOTAL KMUA REVENUE REQUIREMENT</b>	<b>\$ 4,194,899.10</b>
<b>Less PVSC Charges-BOD &amp; SS Surcharges (Table 3)</b>	<b>\$ 35,060.18</b>
<b>KMUA REVENUE REQ'D (WITH PVSC NON -SURCHARGES)</b>	<b>\$ 4,159,838.92</b>
<b>Less PVSC Charges-Non-Surcharges (Table 3)</b>	<b>\$ 959,182.82</b>
<b>KMUA REVENUE REQ'D (NO PVSC CHARGES)</b>	<b>\$ 3,200,656.10</b>
<b>Plus Total PVSC Charges (Table 3)</b>	<b>\$ 994,243.00</b>
<b>AMOUNT TO BE RECOVERED BY USER CHARGES</b>	<b>\$ 4,194,899.10</b>

\*Includes Grit Removal, Equipment repairs & supplies, Fees and Permits, Consulting Fees, Lab, Education, Utilities, Property Lease, Trustee Fees



**Kearny Municipal Utilities Authority  
Hudson County, New Jersey  
2024 User Charge Setting Report  
Table 3 - Summary of KMUA Surcharge Calculation 2024**

DESCRIPTION	VOL	TH lbs	*BOD	EXCESS	BOD	TH lbs	SS	EXCESS	SS	TOTAL
	VOLUME	BOD	CONC	BOD	EXCESS	SS	CONC	SS	EXCESS	BOD/SS
	(MG)	(TH #)	(mg/L)	(TH #)	CHARGE	(TH #)	(mg/L)	(TH #)	CHARGE	SURCHARGE
<b>TOWN OF KEARNY TOTAL</b>	<b>2903.179</b>	<b>4063.206</b>	<b>167.81</b>	<b>N/A</b>	<b>N/A</b>	<b>3,544.734</b>	<b>146.40</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>MONITORED INDUSTRIES KMUA</b>										
KEUHNE CHEMICAL	8.694	0.790	10.90	0.00	\$ -	1.769	24.40	0.00	\$ -	\$ -
NJ TRANSIT MEADOWS MAINTENANCE COMPLEX	12.074	31.572	313.53	14.67	\$ 6,435.49	13.950	138.53	0.00	\$ -	\$ 6,435.49
NJDEP MSLA 1-D LANDFILL	11.795	3.871	39.35	0.00	\$ -	4.240	43.10	0.00	\$ -	\$ -
HARTZ MOUNTAIN LANDFILL	0.036	0.004	13.32	0.00	\$ -	0.031	103.25	0.00	\$ -	\$ -
SPECTRASERV, INC.	0.074	0.101	163.65	0.00	\$ -	0.088	0.00	0.00	\$ -	\$ -
OJ FOOD GRADE TANK TRUCK WASH, INC.	13.620	72.589	639.04	53.53	\$ 23,475.65	27.365	240.91	10.74	\$ 5,149.04	\$ 28,624.69
HUDSON CO CORR FAC (HUDSON COUNTY JAIL)	53.640	72.898	162.95	0.00	\$ -	63.593	142.15	0.00	\$ -	\$ -
TALBOT HALL (COMMUNITY CORRECTIONS CORPORATION)	0.058	0.079	163.32	0.00	\$ -	0.069	142.64	0.00	\$ -	\$ -
HUGO NEU - COOPERATIVE LAUNDRY	46.155	44.830	116.46	0.00	\$ -	23.038	59.85	0.00	\$ -	\$ -
<b>TOTAL SURCHARGES</b>					<b>\$ 29,911.14</b>				<b>\$ 5,149.04</b>	<b>\$ 35,060.18</b>
						<b>TOTAL 2024 TOWN OF KEARNY CHARGE TO KMUA</b>				<b>\$ 994,243.00</b>
					<b>REMAINDER FEES TO BE RECOVERED THROUGH FLOW CHARGES</b>					<b>\$ 959,182.82</b>

2023 PVSC USER CHARGE PER MG \$ 557.0411  
2023 PVSC USER CHARGE FOR BOD/ 1000# \$ 438.5771  
2023 PVSC USER CHARGE FOR SS/ 1000# \$ 479.6407

\* BOD CONC DETERMINED BY: 
$$\frac{\text{Thousand \#s BOD} \times 1000 \#}{Q \times 8.34} = \text{BOD (mg/L)}$$

\* SS CONC DETERMINED BY: 
$$\frac{\text{Thousand \#s SS} \times 1000 \#}{Q \times 8.34} = \text{SS (mg/L)}$$

Note 1 NJMC not assessed PVSC fees based upon April 2004 Agreement between EnCAP and PVSC  
Note 2 Surcharge rate is based on the PVSC invoice

Prepared by Mott MacDonald, March 2024

**Kearny Municipal Utilities Authority  
Hudson County, New Jersey**

**2024 User Charge Setting Report  
Table 4 - Customer Charges 2024**

BLOCK	LOT	ACCOUNT	CLASS	USER NAME	HCFY	Charge	PVSC	Surcharge	TOTAL	NOTES
205	26.01	106-0	1	MARTINO BROS CORP	592	\$ 535.44	\$ 336.72	\$ -	\$ 872.16	
271	1	1032-0	1	BRIDGEVIEW INVESTORS	730	\$ 4,300.98	\$ 2,704.74	\$ -	\$ 7,005.72	
284	3.002	1061-0	1	VINELAND CONSTRUCTION CO. - WAWA	1,370	\$ 7,973.40	\$ 5,014.20	\$ -	\$ 12,987.60	
284	3.02		1	VINELAND - AUTOZONE	73	\$ 424.86	\$ 267.18	\$ -	\$ 692.04	
284	4	1050-0	1	WALMART	3,416	\$ 19,881.12	\$ 12,502.56	\$ -	\$ 32,383.68	
284	4.02	1062-0	1	VINELAND - MJY BRAND LLC	1,394	\$ 8,113.08	\$ 5,102.04	\$ -	\$ 13,215.12	
284	4.021	1062-0	1	VINELAND - STRIP MALL	128	\$ 744.96	\$ 468.48	\$ -	\$ 1,213.44	
284	48	1035-0	1	SUNSET CAHUENGA	1,217	\$ 7,082.94	\$ 4,454.22	\$ -	\$ 11,537.16	
284	49	1036-0	1	CSX INTERMODEL INC. - 63498	2,846	\$ 16,563.72	\$ 10,416.36	\$ -	\$ 26,980.08	
284	51	1010-0	1	KEARNY FIDELCO ASSOC.	107	\$ 622.74	\$ 391.62	\$ -	\$ 1,014.36	
286	4	1066-0	1	HARTZ MOUNTAIN	765	\$ 4,452.30	\$ 2,799.90	\$ -	\$ 7,252.20	
286	38	1047-0	1	GAS MOTOR EQUIP. CO.	996	\$ 5,796.72	\$ 3,645.36	\$ -	\$ 9,442.08	
286	45.01	1044-0	1	ORANGEWOOD MERT	1,067	\$ 6,209.94	\$ 3,905.22	\$ -	\$ 10,115.16	
286	45.03	1045-0	1	SAFER DEVELOPMENT	813	\$ 4,731.66	\$ 2,975.58	\$ -	\$ 7,707.24	
288	4	1021-0	1	VECKRIDGE CHEMICAL CO.	631	\$ 3,672.42	\$ 2,309.46	\$ -	\$ 5,981.88	
288	5.678	1006-0	1	JAC JON ASSOCIATES	60	\$ 349.20	\$ 219.60	\$ -	\$ 568.80	
288	1, 2, 3, 3.01	1069-0	1	SPQ CENTRAL AVE LLC	1,205	\$ 7,013.10	\$ 4,410.30	\$ -	\$ 11,423.40	
289	9.01	1005-0	1	J.G. RIES & SONS	243	\$ 1,414.26	\$ 889.38	\$ -	\$ 2,303.64	
289	16	1012-0	1	MAC PRODUCTS	919	\$ 5,348.58	\$ 3,363.54	\$ -	\$ 8,712.12	
289	14.01, 17.02	1014-0	1	CLEAN EARTH NJ - S&W WASTE	646	\$ 3,759.72	\$ 2,364.36	\$ -	\$ 6,124.08	
290	1	1004-0	1	B&G INC. - EIGHTEEN WHEEL	8	\$ 46.56	\$ 29.28	\$ -	\$ 75.84	
290	16	1025-0	1	DYNAMIC DELIVERY CORP.	7,408	\$ 43,114.56	\$ 27,113.28	\$ -	\$ 70,227.84	
290	19	1039-0	1	58 J LLC	151	\$ 878.82	\$ 552.66	\$ -	\$ 1,431.48	
290	5-4	1027-0	1	61 LINCOLN HWY CORP.	1,329	\$ 7,734.78	\$ 4,864.14	\$ -	\$ 12,598.92	
291	1	1022-0	1	SIXTY SK CORP	345	\$ 2,007.90	\$ 1,262.70	\$ -	\$ 3,270.60	
291	2-B	1029-2	1	KEPHART TRUCKING	252	\$ 1,466.64	\$ 922.32	\$ -	\$ 2,388.96	
292	2	1034-0	1	JAMES LOMMA	363	\$ 2,112.06	\$ 1,328.58	\$ -	\$ 3,440.64	
293	1	1039-0	1	PJT TRANSPORT	56	\$ 325.92	\$ 204.96	\$ -	\$ 530.88	
294	1.02	1068-0	1	HAVENCK ASSOC (SMITH SONDY)	10,586	\$ 61,688.72	\$ 38,781.36	\$ -	\$ 100,470.08	
294	11	1068-0	1	HUDSON COUNTY JUNEAU BUILDING	202	\$ 1,175.64	\$ 739.32	\$ -	\$ 1,914.96	
294	13.01	1031-0	1	EDEN WOOD	1,745	\$ 10,155.90	\$ 6,386.70	\$ -	\$ 16,542.60	
294	14	1043-0	1	CSX TRANS - 52538	1,806	\$ 10,510.92	\$ 6,609.96	\$ -	\$ 17,120.88	
294	14.01	1049-0	1	TOWN OF KEARNY	105	\$ 611.10	\$ 384.30	\$ -	\$ 995.40	
294	15	1016-0	1	URBAN RENEWAL CORP.	505	\$ 2,939.10	\$ 1,846.30	\$ -	\$ 4,785.40	
294	14, 5	1026-0	1	TULLO COMPANY LTD LLC	188	\$ 1,094.16	\$ 688.08	\$ -	\$ 1,782.24	
295	3	1000-0	1	101 LINCOLN HWY	36	\$ 209.52	\$ 131.76	\$ -	\$ 341.28	
295	4	1002-0	1	85 LINCOLN HWY ASSOC.	125	\$ 727.50	\$ 457.50	\$ -	\$ 1,185.00	
295	8	1011-0	1	LEEDS TERMINAL	542	\$ 3,154.44	\$ 1,983.72	\$ -	\$ 5,138.16	
295	8	1037-0	1	ESTES EXPRESS	107	\$ 622.74	\$ 391.62	\$ -	\$ 1,014.36	
295	11	1039-0	1	JJ DEPOT LLC	25	\$ 145.50	\$ 91.50	\$ -	\$ 237.00	
295	13	1007-0	1	ROADWAY EXPRESS	45	\$ 261.90	\$ 164.70	\$ -	\$ 426.60	
295	6	1053-0	1	RIVER TERMINAL/NORTH HACKENSACK	47	\$ 273.54	\$ 172.02	\$ -	\$ 445.56	
296	2	1023-0	1	SOUTH KEARNY ASSOCIATES	1,001	\$ 5,825.82	\$ 3,663.66	\$ -	\$ 9,489.48	
298	7.01	1064-0	1	NEW PENN	407	\$ 2,368.74	\$ 1,489.62	\$ -	\$ 3,858.36	
298	14	1009-0	1	EPSTEIN, BERNARD R ETAL	362	\$ 2,106.84	\$ 1,324.92	\$ -	\$ 3,431.76	
298	19.03	1040-0	1	PSE&G	17,756	\$ 103,339.92	\$ 64,986.96	\$ -	\$ 168,326.88	
298	19.02	1013-0	1	TERRENO 97 THIRD LLC	835	\$ 4,859.70	\$ 3,056.10	\$ -	\$ 7,915.80	
286	40	1046-0	2	NATIONAL WATER MAIN CLEANING CO.	224	\$ 1,303.68	\$ 819.84	\$ -	\$ 2,123.52	
288	10	1055-0	2	RIVER TERMINAL JAP	210	\$ 1,222.20	\$ 768.60	\$ -	\$ 1,990.80	
288	10	1055-1	2	RIVER TERMINAL CAP	4,487	\$ 26,114.34	\$ 16,422.42	\$ -	\$ 42,536.76	
294	12.20	1055-2	2	HUGO NEU	5,978	\$ 34,792.19	\$ 21,879.63	\$ -	\$ 56,671.82	
298	10	1056-0	2	KUEHNE CHEMICAL CO.	12,722	\$ 74,042.04	\$ 46,562.52	\$ -	\$ 120,604.56	
284	33	1059-0	3	U S POSTAL SERVICE	5,823	\$ 33,889.86	\$ 21,312.18	\$ -	\$ 55,202.04	
284	21.01	1052-0	3	NJ TRANSIT MEADOWS MAINT CMLPX	16,140	\$ 93,934.80	\$ 59,072.40	\$ 6,435.49	\$ 159,442.69	
285	2		3	NJDEP MSLA 1-D LANDFILL	15,767	\$ 91,763.94	\$ 57,707.22	\$ -	\$ 149,471.16	
286	4	1067-0	3	HARTZ MOUNTAIN LANDFILL	48	\$ 280.07	\$ 176.13	\$ -	\$ 456.20	
289	11	1057-0	3	SPECTRASERV INC.	99	\$ 576.18	\$ 362.34	\$ -	\$ 938.52	
290	3	1051-0	3	OJ TRUCK WASH	18,206	\$ 105,959.63	\$ 66,834.41	\$ 28,624.69	\$ 201,218.72	
294	15	1049-0	3	HUDSON COUNTY CORRECTIONAL	71,702	\$ 417,303.57	\$ 262,428.02	\$ -	\$ 679,731.59	
294	19	1054-0	3	TALBOT HALL (CCC)	78	\$ 451.22	\$ 283.76	\$ -	\$ 734.98	
294	12.20	1055-3	3	HUGO NEU - COOPERATIVE LAUNDRY	46,155	\$ 268,622.10	\$ 168,927.30	\$ -	\$ 437,549.40	
175	1	1056-0	3	NJ SPORTS AND EXPOSITION AUTHORITY (NJ MEADOWLANDS COMMISSION)	232,860	\$ 1,355,245.20	\$ -	\$ -	\$ 1,355,245.20	
205	18	1058-1	3	NJ SPORTS AND EXPOSITION AUTHORITY (NJ MEADOWLANDS COMMISSION)-KEEGAN LANDFILL	54,884	\$ 319,424.88	\$ -	\$ -	\$ 319,424.88	
63	Accounts			<b>TOTAL</b>	<b>550,456</b>	<b>\$ 3,203,656.59</b>	<b>\$ 961,627.60</b>	<b>\$ 35,060.18</b>	<b>\$ 4,200,244.36</b>	

	2024	2024
	BASE KMUA	PVSC
REVENUE REQUIREMENT	\$ 3,200,656.10	\$ 959,182.82
ATTRIBUTABLE FLOW (HCF)	550,456	262,712
COST PER HCF	\$ 5.8145	\$ 3.6511
WHOLE RATE	\$ 5.82	\$ 3.66

2024 Rate Summary			
CLASS DESCRIPTION	2024 Base Charge	2024 PVSC Charge	2024 Total
User Class 1	\$ 5.82	\$ 3.66	\$ 9.48
User Class 2	\$ 5.82	\$ 3.66	\$ 9.48
User Class 3	\$ 5.82	\$ 3.66	\$ 9.48

Note 1 NJSEA (formerly NJMC) not assessed PVSC fees based upon April 2004 Agreement between EnCAP and PVSC  
 Note 2 Utilized averaged water consumption data from 2015 Study to 2019 Study. Estimated water consumption data  
 Note 3 KMUA did not receive private water meter reading from customer. Used Suez Water consumption data.

**Kearny Municipal Utilities Authority  
Hudson County, New Jersey**

**2024 User Charge Setting Report  
Table 5 - Customer Charges 2024 (Proposed Rates)**

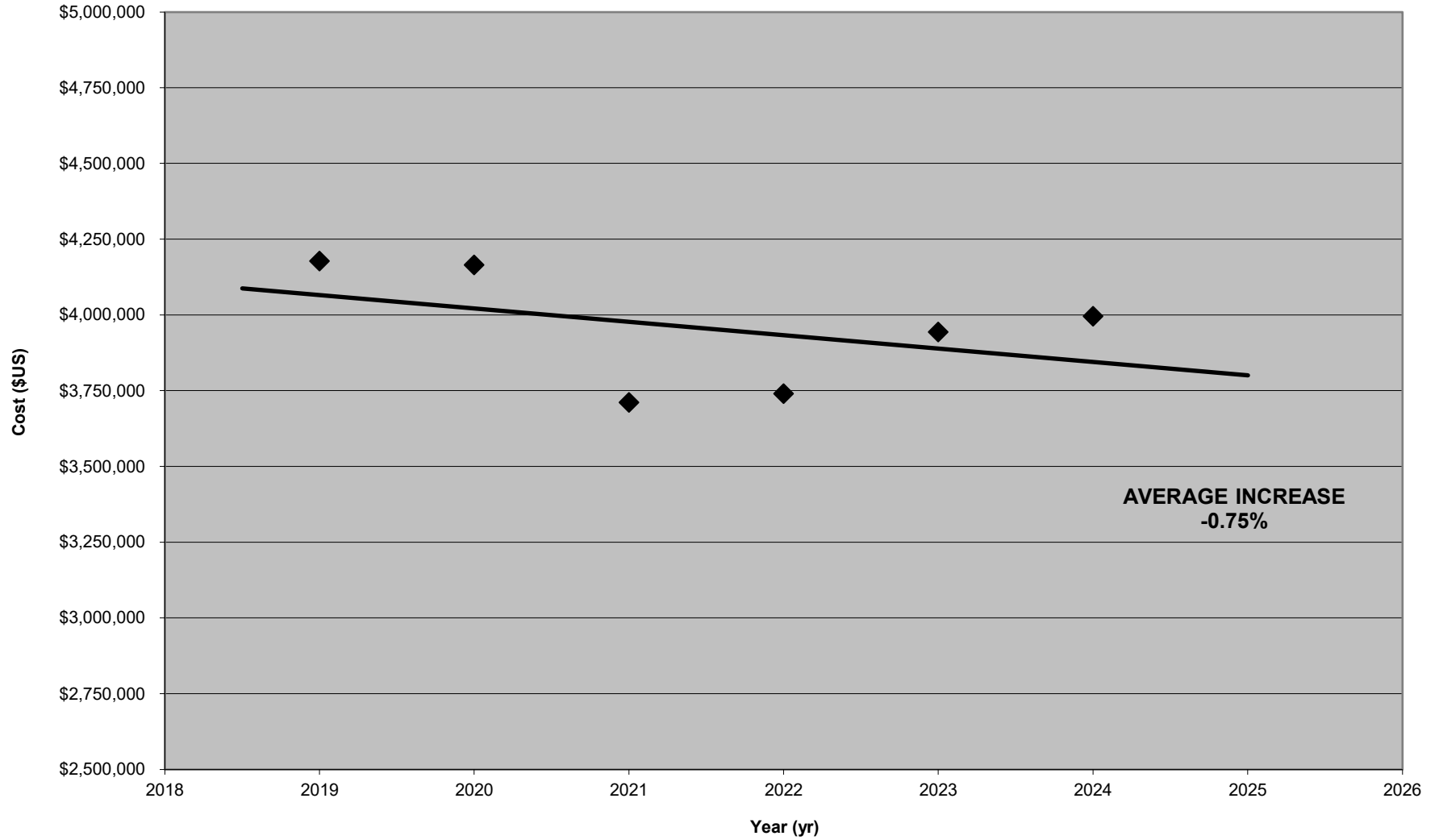
BLOCK	LOT	ACCOUNT	CLASS	USER NAME	HCFY	Charge	PVSC	Surcharge	TOTAL	NOTES
205	26.01	1063-0	1	MARTINO BROS CORP	92	\$ 618.24	\$ 351.44	\$ -	\$ 969.68	
271	1	1032-0	1	BRIDGEVIEW INVESTORS	739	\$ 4,966.08	\$ 2,822.98	\$ -	\$ 7,789.06	
284	3.002	1061-0	1	VINELAND CONSTRUCTION CO. - WAWA	1,370	\$ 9,206.40	\$ 5,233.40	\$ -	\$ 14,439.80	
284	3.02	1061-0	1	VINELAND - AUTOZONE	73	\$ 490.56	\$ 278.86	\$ -	\$ 769.42	
284	4	1050-0	1	WALMART	3,416	\$ 22,955.02	\$ 13,040.12	\$ -	\$ 36,004.64	
284	4.02	1062-0	1	VINELAND - MUY BRAND LLC	1,394	\$ 9,367.68	\$ 5,325.08	\$ -	\$ 14,692.76	
284	4.021	1062-0	1	VINELAND - STRIP MALL	128	\$ 860.16	\$ 488.96	\$ -	\$ 1,349.12	
284	48	1035-0	1	SUNSET CAHUENGA	1,217	\$ 8,178.24	\$ 4,648.94	\$ -	\$ 12,827.18	
284	49	1036-0	1	CSX INTERMODEL INC. - 63498	2,846	\$ 19,125.12	\$ 10,871.72	\$ -	\$ 29,996.84	
284	51	1010-0	1	KEARNY FIDELCO ASSOC.	107	\$ 719.04	\$ 408.74	\$ -	\$ 1,127.78	
286	4	1066-0	1	HARTZ MOUNTAIN	765	\$ 5,140.80	\$ 2,922.30	\$ -	\$ 8,063.10	
286	38	1047-0	1	G&S MOTOR EQUIP. CO.	996	\$ 6,693.12	\$ 3,804.72	\$ -	\$ 10,497.84	
286	45.01	1044-0	1	ORANGEWOOD MERIT	1,067	\$ 7,170.24	\$ 4,075.94	\$ -	\$ 11,246.18	
286	45.03	1045-0	1	SAFER DEVELOPMENT	813	\$ 5,463.36	\$ 3,105.66	\$ -	\$ 8,569.02	
288	4	1021-0	1	VECKRIDGE CHEMICAL CO.	631	\$ 4,240.32	\$ 2,410.42	\$ -	\$ 6,650.74	
288	5.678	1006-0	1	JAC JON ASSOCIATES	60	\$ 403.20	\$ 229.20	\$ -	\$ 632.40	
288	1, 2, 3, 3.01	1069-0	1	SPG CENTRAL AVE LLC	1,205	\$ 8,097.60	\$ 4,603.10	\$ -	\$ 12,700.70	
289	9.01	1005-0	1	J.G. RIES & SONS	243	\$ 1,632.96	\$ 928.28	\$ -	\$ 2,561.22	
289	16	1012-0	1	MAC PRODUCTS	919	\$ 6,175.68	\$ 3,510.58	\$ -	\$ 9,686.26	
289	14.01, 17.02	1014-0	1	CLEAN EARTH NJ - S&W WASTE	646	\$ 4,341.12	\$ 2,467.72	\$ -	\$ 6,808.84	
290	1	1004-0	1	B&G INC. - EIGHTEEN WHEEL	8	\$ 53.76	\$ 30.56	\$ -	\$ 84.32	
290	16	1025-0	1	DYNAMIC DELIVERY CORP.	7,408	\$ 49,781.76	\$ 28,298.56	\$ -	\$ 78,080.32	
290	19	1038-0	1	SB J LLC	151	\$ 1,014.72	\$ 576.82	\$ -	\$ 1,591.54	
290	5-4	1027-0	1	81 LINCOLN HWY CORP.	1,329	\$ 8,930.88	\$ 5,076.78	\$ -	\$ 14,007.66	
291	1	1022-0	1	SIXTY SK CORP	345	\$ 2,318.40	\$ 1,317.90	\$ -	\$ 3,636.30	
291	2-B	1029-2	1	KEPHART TRUCKING	252	\$ 1,693.44	\$ 962.64	\$ -	\$ 2,656.08	
292	2	1034-0	1	JAMES LOMMA	363	\$ 2,439.36	\$ 1,386.66	\$ -	\$ 3,826.02	
293	1	1039-0	1	RJT TRANSPORT	68	\$ 476.32	\$ 213.92	\$ -	\$ 690.24	
294	1.02	1039-0	1	HAVENICK ASSOC (SMITH SONDY)	10,596	\$ 71,205.12	\$ 40,476.72	\$ -	\$ 111,681.84	
294	11	1068-0	1	HUDSON COUNTY JUNEAU BUILDING	202	\$ 1,357.44	\$ 771.64	\$ -	\$ 2,129.08	
294	13.01	1031-0	1	EDEN WOOD	1,745	\$ 11,726.40	\$ 6,665.90	\$ -	\$ 18,392.30	
294	14	1043-0	1	CSX TRANS - 50338	1,806	\$ 12,536.32	\$ 6,898.92	\$ -	\$ 19,035.24	
294	14.01	1049-0	1	TOWN OF KEARNY	105	\$ 705.60	\$ 401.10	\$ -	\$ 1,106.70	
294	15	1016-0	1	URBAN RENEWAL CORP.	505	\$ 3,393.60	\$ 1,929.10	\$ -	\$ 5,322.70	
294	1, 4, 5	1028-0	1	TULLO COMPANY LTD LLC	188	\$ 1,263.36	\$ 718.16	\$ -	\$ 1,981.52	
295	3	1000-0	1	101 LINCOLN HWY	36	\$ 241.02	\$ 137.52	\$ -	\$ 379.44	
295	4	1002-0	1	85 LINCOLN HWY ASSOC.	125	\$ 840.00	\$ 477.50	\$ -	\$ 1,317.50	
295	8	1011-0	1	LEEDS TERMINAL	542	\$ 3,642.24	\$ 2,070.44	\$ -	\$ 5,712.68	
295	8	1037-0	1	ESTES EXPRESS	107	\$ 719.04	\$ 408.74	\$ -	\$ 1,127.78	
295	11	1030-0	1	JJ DEPOT LLC	25	\$ 168.00	\$ 95.50	\$ -	\$ 263.50	
295	13	1007-0	1	ROADWAY EXPRESS	45	\$ 302.40	\$ 171.90	\$ -	\$ 474.30	
295	6	1053-0	1	RIVER TERMINAL/NORTH HACKENSACK	47	\$ 315.84	\$ 175.54	\$ -	\$ 491.38	
296	2	1023-0	1	SOUTH KEARNY ASSOCIATES	1,001	\$ 6,726.72	\$ 3,823.82	\$ -	\$ 10,550.54	
298	7.01	1064-0	1	NEW PENN	407	\$ 2,735.04	\$ 1,554.74	\$ -	\$ 4,289.78	
298	14	1009-0	1	EPSTEIN, BERNARD RETAL	362	\$ 2,432.64	\$ 1,382.84	\$ -	\$ 3,815.48	
298	19.03	1040-0	1	PROEG	17,765	\$ 119,320.32	\$ 67,827.92	\$ -	\$ 187,148.24	
298	19.02	1013-0	1	TERRENO 97 THIRD LLC	835	\$ 5,611.20	\$ 3,189.70	\$ -	\$ 8,800.90	
286	40	1046-0	2	NATIONAL WATER MAIN CLEANING CO.	224	\$ 1,505.28	\$ 855.68	\$ -	\$ 2,360.96	
288	10	1055-0	2	RIVER TERMINAL JAP	210	\$ 1,411.20	\$ 802.20	\$ -	\$ 2,213.40	
288	10	1055-1	2	RIVER TERMINAL CAP	4,487	\$ 30,152.64	\$ 17,140.34	\$ -	\$ 47,292.98	
294	12.20	1055-2	2	HUGO NEU	5,978	\$ 40,172.43	\$ 22,836.11	\$ -	\$ 63,008.54	
298	10	1056-0	2	KUEHNE CHEMICAL CO.	12,722	\$ 85,491.84	\$ 48,598.04	\$ -	\$ 134,089.88	
284	33	1059-0	3	U S POSTAL SERVICE	5,823	\$ 39,130.56	\$ 22,243.86	\$ -	\$ 61,374.42	
284	21.01	1052-0	3	NJ TRANSIT MEADOWS MAINT CMLPX	16,140	\$ 108,460.80	\$ 61,854.80	\$ 6,435.49	\$ 176,551.09	
285	2	1067-0	3	NUDEP MSLA 10 LANDFILL	15,767	\$ 105,654.24	\$ 60,229.94	\$ -	\$ 166,184.18	
286	4	1067-0	3	HARTZ MOUNTAIN LANDFILL	48	\$ 323.38	\$ 183.83	\$ -	\$ 507.20	
289	11	1057-0	3	SPECTRASERV INC.	99	\$ 665.28	\$ 378.18	\$ -	\$ 1,043.46	
290	3	1051-0	3	OJ TRUCK WASH	18,206	\$ 122,345.14	\$ 69,547.39	\$ 28,624.69	\$ 220,517.21	
294	15	1049-0	3	HUDSON COUNTY CORRECTIONAL	71,702	\$ 481,835.05	\$ 273,900.28	\$ -	\$ 755,735.33	
294	19	1054-0	3	TALBOT HALL (CCC)	78	\$ 521.00	\$ 295.16	\$ -	\$ 816.16	
294	12.20	1055-3	3	HUGO NEU - COOPERATIVE LAUNDRY	46,155	\$ 310,161.60	\$ 176,312.10	\$ -	\$ 486,473.70	
175	1	1058-0	3	NJ SPORTS AND EXPOSITION AUTHORITY (NJ MEADOWLANDS COMMISSION)	232,860	\$ 1,564,819.20	\$ -	\$ -	\$ 1,564,819.20	1
205	18	1058-1	3	NJ SPORTS AND EXPOSITION AUTHORITY (NJ MEADOWLANDS COMMISSION)-KEEGAN LANDFILL	54,884	\$ 368,820.48	\$ -	\$ -	\$ 368,820.48	1, 4
<b>Accounts</b>					<b>TOTAL</b>	<b>550,456</b>	<b>\$ 3,699,067.40</b>	<b>\$ 1,003,561.98</b>	<b>\$ 35,060.18</b>	<b>\$ 4,737,889.17</b>

	<b>2024</b>	<b>2024</b>
	<b>BASE KMUA</b>	<b>PVSC</b>
<b>REVENUE REQUIREMENT</b>	<b>REVENUE</b>	<b>REVENUE</b>
<b>ATTRIBUTABLE FLOW (HCF)</b>	<b>REQUIREMENT</b>	<b>REQUIREMENT</b>
	\$ 3,200,656.10	\$ 959,182.82
<b>PROPOSED RATE</b>	550,456	262,712
	\$ 6.72	\$ 3.82

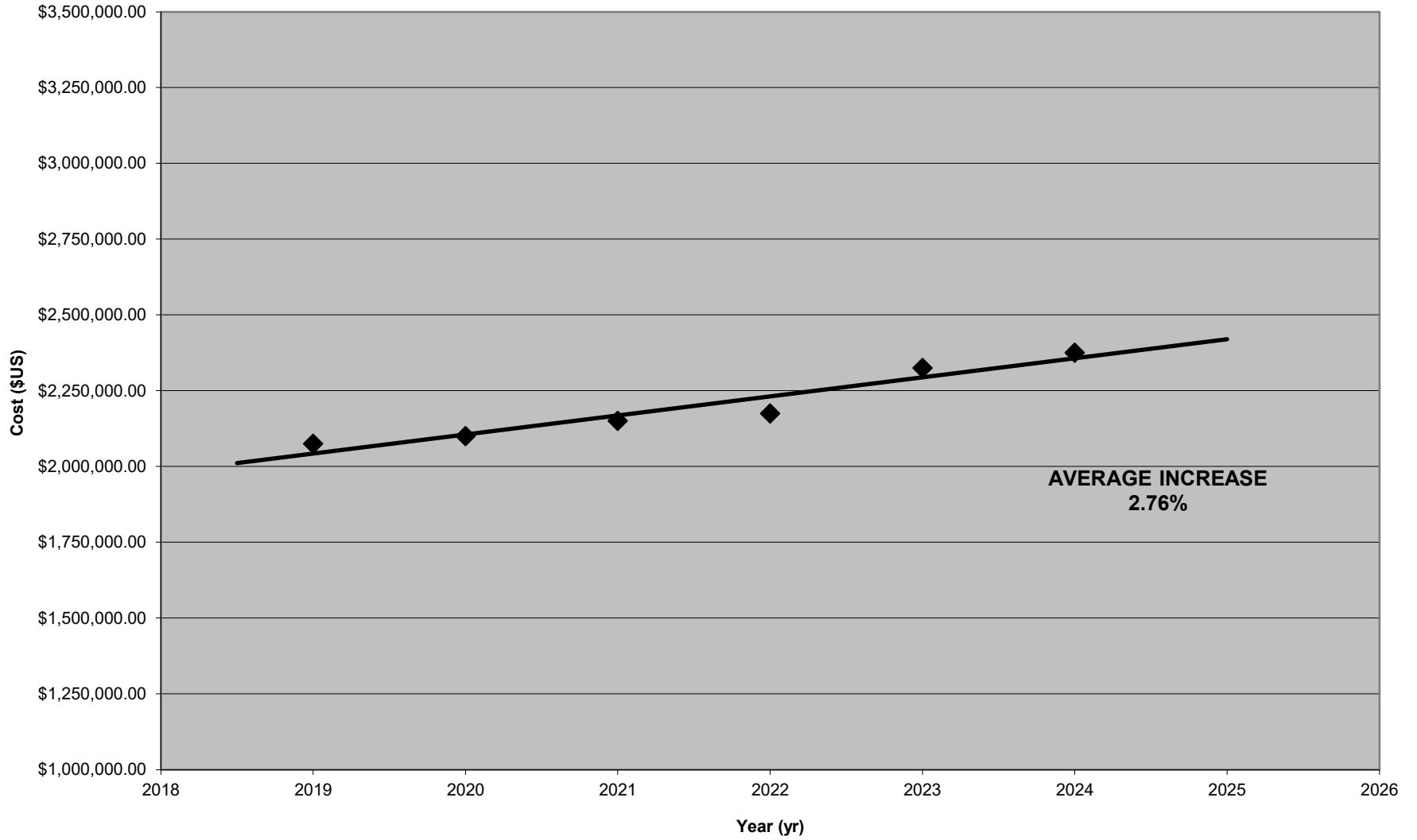
2024 Rate Summary			
CLASS DESCRIPTION	2024 Base Charge	2024 PVSC Charge	2024 Total
User Class 1	\$ 6.72	\$ 3.82	\$ 10.54
User Class 2	\$ 6.72	\$ 3.82	\$ 10.54
User Class 3	\$ 6.72	\$ 3.82	\$ 10.54

Note 1 NJSEA (formerly NJMC) not assessed PVSC fees based upon April 2004 Agreement between EnCAP and PVSC  
Note 2 Utilized averaged water consumption data. Estimated water consumption data  
Note 3 KMUA did not receive private water meter reading from customer. Used Base Water consumption data.  
Note 4 Proposed 100% cap of Keegan Landfill anticipated in 2024. Quarterly billing may not be realized.

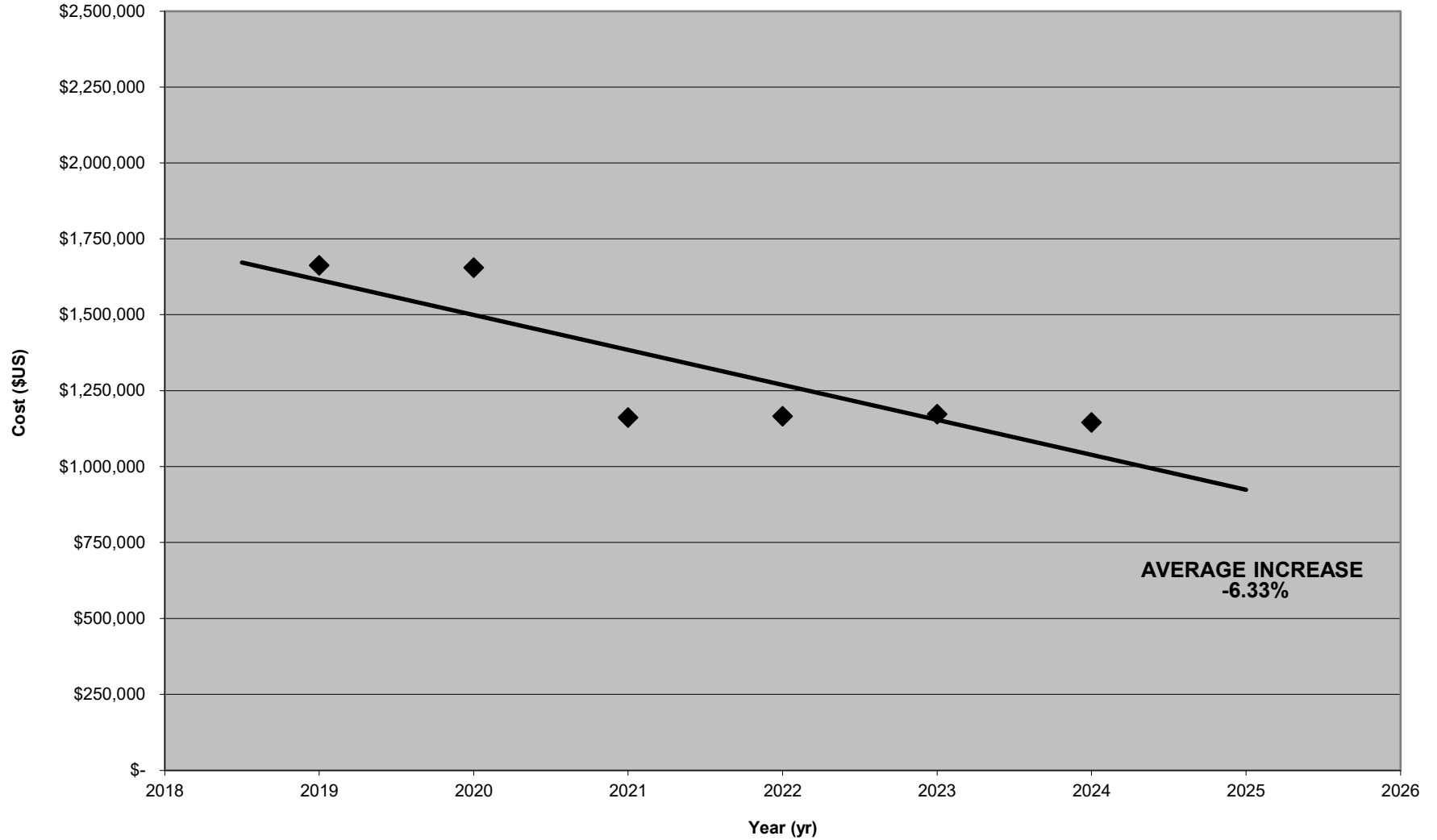
**KEARNY MUNICIPAL UTILITIES AUTHORITY  
CHART 1 - TOTAL REVENUE TREND (2019-2024)**



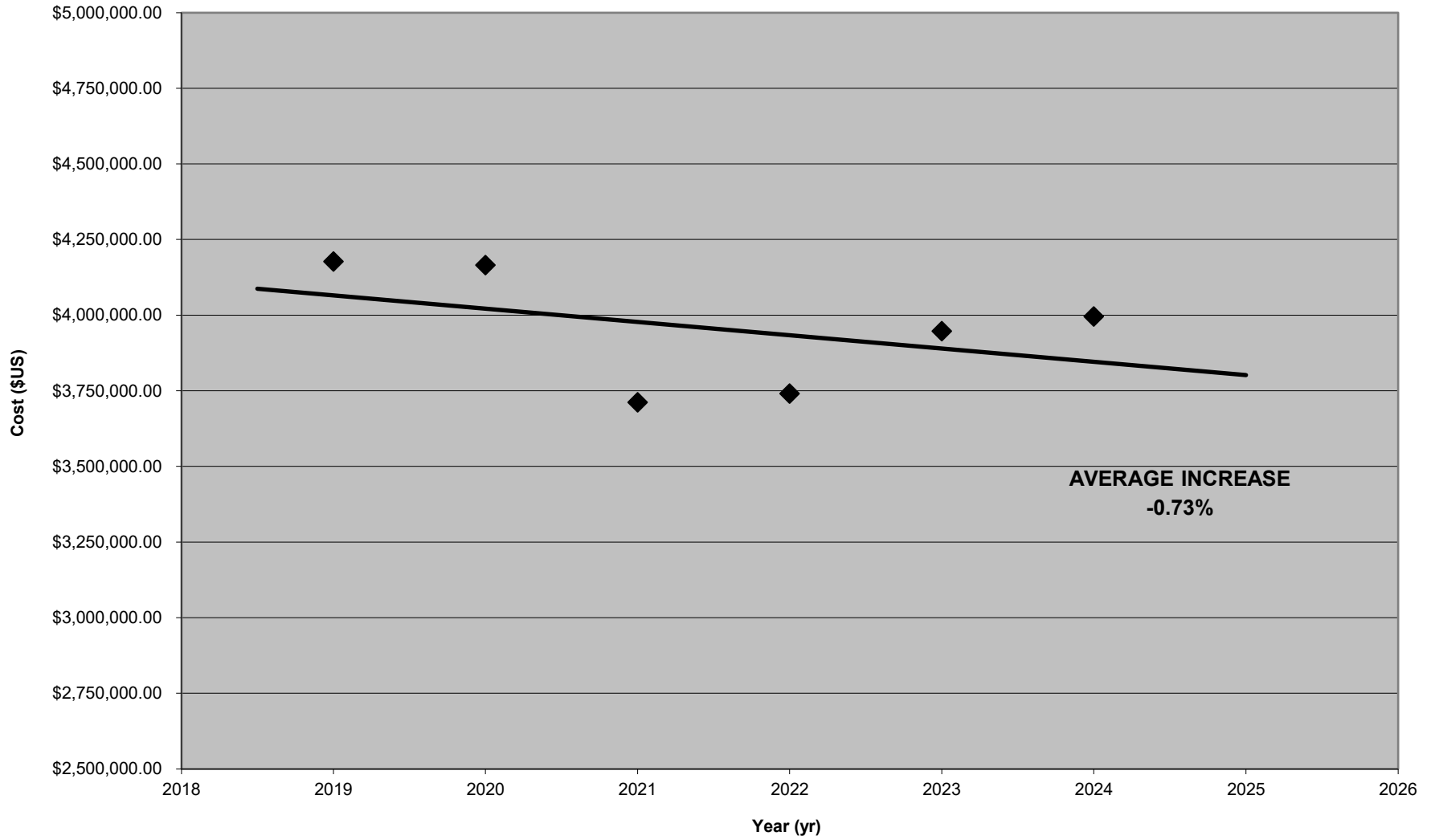
**KEARNY MUNICIPAL UTILITIES AUTHORITY  
CHART 2 - TOTAL OPERATING COST APPROPRIATIONS TREND (2019-2024)**



**KEARNY MUNICIPAL UTILITIES AUTHORITY  
CHART 3 - TOTAL DEBT SERVICE APPROPRIATIONS TREND (2019-2024)**



**KEARNY MUNICIPAL UTILITIES AUTHORITY  
CHART 4 - TOTAL APPROPRIATION COST TREND (2019-2024)**



**KEARNY MUNICIPAL UTILITIES AUTHORITY  
CHART 5-TOTAL REVENUE REQUIREMENT APPROPRIATIONS TRENDS (2019-2024)**

