

**ROCKAWAY VALLEY REGIONAL**  
**SEWERAGE AUTHORITY**  
**SCHEDULE OF THREE YEAR AVERAGE DAILY**  
**WASTEWATER METER READINGS**  
**AND CHARGES TO EACH PARTICIPATING**  
**MUNICIPALITY FOR THE PERIOD ENDED**  
**SEPTEMBER 30, 2021, 2020 and 2019**



# WIELKOTZ & COMPANY LLC

CERTIFIED PUBLIC ACCOUNTANTS

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Chairman and Commissioners of the  
Rockaway Valley Regional Sewerage Authority  
99 Green Bank Road  
Boonton, New Jersey 07005

Ladies and Gentlemen:

We have applied certain agreed-upon procedures, as discussed below, with respect to the schedule of three year average daily wastewater meter readings and charges to each participating municipality of the Rockaway Valley Regional Sewerage Authority (the "Authority") for the twelve-month period ended September 30, 2021, 2020 and 2019. It should be noted that on November 14, 2002 the Authority passed a resolution amending the user charge system basis of preparing annual user charges. The methodology of calculation changed from a one year actual annual flow to a three year actual flow for purposes of calculating the distribution of budgeted costs to the participants.

During the 2021 fiscal year, the Authority reexamined meter readings and flow rates for all municipalities. It was concluded that the 2021 municipal flow data the Authority requested contained inconsistencies and conditions that required adjustment. The Authority requested that the Authority Engineers, Mott MacDonald, perform a thorough review of FY 2021 meter data and make necessary adjustments for missing or inaccurate data.

Mott MacDonald proposed several updates to user charge formulas which were detailed in their December 13, 2021 letter to the Authority and discussed at the Authority's December 9, 2021 Authority Rate Hearing. On December 9, 2021, the Authority passed Resolution 21-139 which details the amendments made to the user charge system basis for preparing annual estimates for submission to the participants and customers (see Attachment 2 of the report). Mott MacDonald applied their updated formulas for their review procedures. After Mott MacDonald's review, it was noted that there were several instances where corrections or adjustments were necessary. Adjustments were necessary primarily due to communication errors with the Mission Communications Cloud System that is used to track meter operation and flow data.

These formulas were utilized in the calculation for the participants' credit or additional charge for the year ending September 30, 2021 (see Schedule 1 of the report).



The Authority is allocating budgeted costs as operating, maintenance, repair and upkeep expenses under paragraph 6(c) of the Stipulation of Settlement Agreement dated August 17, 1984 (see Attachment 1 of the report).

This report is solely for your information and is not to be referred to or distributed for any purpose to anyone who is not a member of the Board of the Authority or management of the participating municipalities. The procedures we performed are summarized as follows:

- a) We obtained from management the adjusted system summary meter flow data prepared by Mott MacDonald for each meter, the monthly flow calculation worksheets and a schedule of adjusted weighted average daily flow, for the period October 1, 2020 to September 30, 2021.
- b) We compared the adjusted system summary meter flow data as adjusted by Mott MacDonald to the wastewater flow calculation metered flow and adjusted unmetered units worksheet.
- c) We agreed the weighted average daily flows used to allocate the original budgeted 2021 sewer charges to each participating municipality to the actual three year average daily flows of the participating municipalities for the three year period ended September 30, 2021, 2020 and 2019.
- d) We reviewed the calculation by recalculating the schedule of adjusted weighted average daily flow by multiplying the number of days in the month and the millions of gallons per day for each participating municipality. We added twelve months of flow for the period October 1, 2020 to September 30, 2021. After obtaining a total for each municipality for the period, we recalculated the percentage applicable to each participating municipality.
- e) We agreed the total budgeted 2021 sewer charges of \$10,246,710 to the budget submitted to the Division of Local Government Services and allocated the total to each of the participating municipalities based on the three year actual weighted average daily flow for the three year period ended September 30, 2021.
- f) We verified the calculation by recalculating the credit or additional charge due to or from each participating municipality or Jersey City.
- g) We recalculated the average of the actual flows for the years ended September 30, 2021, 2020 and 2019.

Certified Public Accountants



**Rockaway Valley Regional Sewerage Authority**  
**Schedule of Three Year Average Daily Wastewater Meter Readings**  
**And Charges To Each Participating Municipality For The Period Ended**  
**Three Years Ended September 30, 2021, 2020 And 2019**

Date: 12/14/21

Participant	Budget Three Years Average		Actual Three Years Average		Budget Estimated Charges			Actual Adjusted Charges			(Credit)/ Additional Charge
	Average Daily Flow (Gallons)	Percentage of Total Average Daily Flow	Average Daily Flow (Gallons)	Percentage of Total Average Daily Flow	Total	Jersey City	Municipalities	Total	Jersey City	Municipalities	
Town of Boonton	882,894	8.808%	836,685	8.285%	\$902,514	\$513,889	\$388,626	\$848,936	\$510,168	\$338,769	(\$49,857)
Boonton Township	121,608	1.213%	121,107	1.199%	\$124,310	\$43,931	\$80,380	\$122,880	\$43,613	\$79,268	(\$1,112)
Township of Denville	1,342,749	13.395%	1,592,337	15.768%	\$1,372,588	\$732,521	\$640,067	\$1,615,653	\$727,217	\$888,436	\$248,368
Town of Dover	2,427,492	24.217%	2,378,990	23.557%	\$2,481,437	\$1,455,847	\$1,025,590	\$2,413,825	\$1,445,306	\$968,519	(\$57,072)
Randolph Township	1,180,551	11.777%	1,109,854	10.990%	\$1,206,786	\$220,676	\$986,110	\$1,126,105	\$219,078	\$907,027	(\$79,083)
Rockaway Borough	663,183	6.616%	643,108	6.368%	\$677,921	\$545,560	\$132,361	\$652,525	\$541,609	\$110,915	(\$21,446)
Rockaway Township	2,251,891	22.465%	2,268,973	22.468%	\$2,301,934	\$581,317	\$1,720,617	\$2,302,197	\$577,108	\$1,725,088	\$4,472
Victory Gardens	204,517	2.040%	202,052	2.001%	\$209,062	\$98,078	\$110,984	\$205,011	\$97,368	\$107,643	(\$3,341)
Borough of Wharton	949,066	9.468%	945,731	9.365%	\$970,157	\$405,594	\$564,563	\$959,579	\$402,657	\$556,922	(\$7,641)
<b>Total</b>	<b>10,023,951</b>	<b>100.000%</b>	<b>10,098,837</b>	<b>100.000%</b>	<b>\$10,246,710</b>	<b>\$4,597,412</b>	<b>\$5,649,298</b>	<b>\$10,246,710</b>	<b>\$4,564,124</b>	<b>\$5,682,586</b>	<b>\$33,288</b>

(A)

(B)

(C)

(A) Based on The Average of The Actual Flows For The Year of 20, 19, 18

(B) Based on The Average of The Actual Flows For The Year of 21, 20, 19

(C) Allocated Based on Stipulation of Settlement.

Jersey City (Credit)/Charge

(\$33,288)

ATTACHMENT 1

having submitted Answers thereto; and

WHEREAS, Jersey City, the Authority and all other Defendants have adopted formal resolutions approving the basic terms of the settlement herein set forth.

NOW THEREFORE IT IS HEREBY AGREED AND STIPULATED by the respective parties through their duly appointed legal counsel, that the Stipulation be amended as follows:

1. Paragraph 6 of the Stipulation shall be amended to read as follows:

6: Jersey City shall pay over to the Authority, at such time as shall be determined by the Authority, the following amounts:

(a) A capital or principal amount equivalent to an amount that bears the same ratio to the total and complete local cost of the project that 4.5 million gallons per day bears to the total daily treatment capacity of the New Treatment Facilities, (Segments I and II), less Five Hundred Thousand (\$500,000) Dollars,

i.e.: Jersey City Share =

Total Local Cost x  $\left(\frac{4.5 \text{ mgd}}{12 \text{ mgd}}\right)$  - \$500,000  
Treatment Plant  
(including Segment II)

(b) A capital or principal amount equivalent to an amount which bears the same ratio to the total and complete local cost of the New Interceptor that 4.5 million gallons per day bears to the total daily capacity of the New Interceptor,

i.e.: Jersey City Share =

$$\frac{\text{Total Local Cost}}{\text{New Interceptor}} \times \frac{4.5 \text{ mgd}}{21 \text{ mgd}}$$

(c) An amount which represents Jersey City's share of the operating maintenance, repair and upkeep expenses of the New Treatment Facilities and New Interceptor, bearing the same ratio to the total annual operating, maintenance, repair that 4.5 million gallons per day bears to the average daily plant flow,

i.e.: Jersey City Share =

$$\frac{\text{Total Annual Operation, Repair, Maintenance and Upkeep Expenses}}{\text{Average Daily Plant Flow}} \times 4.5 \text{ mgd}$$



**Resolution 21-139 REVISED****RESOLUTION AUTHORIZING ADOPTION OF AMENDMENTS  
TO THE ROCKAWAY VALLEY REGIONAL SEWERAGE AUTHORITY  
USER CHARGE SYSTEM**

**WHEREAS**, in accordance with the requirements of the Federal Water Pollution Control Act Amendments of 1972, as amended by the Clean Water Act and consistent with the provisions of the Stipulation of Settlement between the City of Jersey City and the participants dated July 30, 1971, and the Service Contracts between the Rockaway Valley Regional Sewerage Authority (RVRSA) and its member municipalities and customers in December 1981 the RVRSA prepared, through its Consulting Engineer, Elson T. Killam Associates, Inc., a report entitled Rockaway Valley Regional Sewerage Authority, Morris County, New Jersey, USER CHARGE SYSTEM, dated December, 1981, which has been revised and amended from time to time; and

**WHEREAS**, it is necessary and desirable to amend a portion of the USER CHARGE SYSTEM to modify the basis for preparing annual estimates for submission to the participants and customers by updating Schedules "A", "B" "~~C~~" and Appendix "F: of the User Charge System as follows:

- **Schedule A:**
  - Updates have been made to certain non-residential properties in all towns to reflect current usage (see below). As such, all formulas have been reviewed to update EU counts;
  - The Denville and Randolph formulas have been updated to reflect the incorporation of the Den Brook Pump Station flow metering;
  - Randolph's formula has been updated to include the Mine Hill flow metering;



- Change to the Rockaway Borough formula to use the sum of meters upstream of M:RT3 in lieu of the reading at M:RT3.
- Added a value for Mine Hill Unmetered Flow and the reference to Appendix F
- **Schedule B**
  - Mine Hill flow meters described;
  - Den Brook Pump Station flow meter described.
- ~~Schedule C~~
  - ~~Changed to reflect all single family home be considered at 250 gpd~~
- **Appendix A**
  - Updated certain non-residential properties in all towns to reflect current usage;
  - Updated EU count for the Morris County Garage in Wharton;
  - Updated unmetered area tabulation itemized in both Randolph and Denville sections to address the use of the Den Brook Pump Station meter;
  - Updates to the Town of Boonton and Township of Boonton to reflect an additional residential unit in Township of Boonton tributary to the Town of Boonton;
  - Update to reflect the change to the Rockaway Borough flow formula.
- **Appendix F**
  - Updated list of unmetered areas in Mine Hill Township;
  - Added a value for Mine Hill Unmetered Flow
  - Updated descriptive text

A copy of the proposed revisions is attached hereto and made a part hereof. A report entitled, *User Charge Study Updates* prepared by Nancy C. Wohlleb P.E., C.M.E., Env Sp,

Vice-President, Mott McDonald, dated May 2021 (Revised June 2, 2021) is available at the offices of the RVRSA; and

**WHEREAS**, the RVRSA sought comments from the member municipalities, customers, and users of its System upon said USER CHARGE SYSTEM Amendments during a public comment period which closed on December 9, 2021. Comments were submitted on behalf of Mine Hill; and

**WHEREAS**, a public hearing, prior to adoption of the aforementioned amendments to the RVRSA User Charge System, was held on December 9, 2021.

**NOW THEREFORE BE IT RESOLVED BY THE ROCKAWAY VALLEY REGIONAL SEWERAGE AUTHORITY AS FOLLOWS:**

1. The attached amendments, with the exception of the proposed change to Schedule C, to the USER CHARGE SYSTEM, and subject to the administrative revision of all the calculations, if necessary, based on 1. Verification that certain lots in the Indian Falls area of Mine Hill are presently served by flow meters and 2. Verification that certain other lots located in Mine Hill which are identified as having a flow of 275-gpd may more appropriately be assigned a flow of 225-gpd, are hereby adopted.

2. The RVRSA Secretary is hereby authorized and directed to notify the RVRSA's Participants and Customers, in writing, and notify the general public by publication of a Notice in the RVRSA's designated newspapers, that the RVRSA has adopted amendments to its User Charge System.

CERTIFICATION

I hereby certify that this Resolution was adopted at a regular meeting of the Rockaway Valley Regional Sewerage Authority held on December 9, 2021:  
on motion of Commissioner Schorno second by Commissioner Howarth

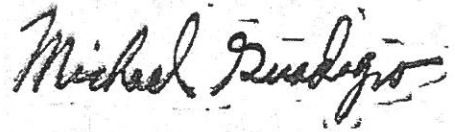
ROLL CALL VOTE:

Yeas: (9) Andes, Cegelka, Farrell, Guadagno, Howarth, Isselin, Recchia, Schorno, and Zuppa

Nays: (0) None

Abstain: (0) None

Absent: (1) Corbett



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Michael Guadagno  
Board Secretary