

# **NORTHWEST BERGEN COUNTY UTILITIES AUTHORITY**

## **Northwest Bergen County Utilities Authority**

**PLEASE TAKE NOTICE** the Northwest Bergen County Utilities Authority does hereby notify the public that the Work Session and the Regular Meeting scheduled for Wednesday, September 18, 2024 at 7:00 p.m. will be held at the Authority's offices located at 30 Wyckoff Avenue, Waldwick, New Jersey. Formal action will be taken. The agendas will be placed on the Authority website, [nbcua.com](http://nbcua.com), at least 48 hours prior to the meeting.

Northwest Bergen County  
Utilities Authority

September 4, 2024

# **NORTHWEST BERGEN COUNTY UTILITIES AUTHORITY**

## **NORTHWEST BERGEN COUNTY UTILITIES AUTHORITY**

### WORK SESSION AGENDA SUBJECTS FOR DISCUSSION September 18, 2024

1. Meeting called to Order
2. Open Public Meetings Act Statement
3. Roll Call:  
  
Commissioners: Frank Kelaher  
Matthew Jordan  
John P. Biale  
Dennis Bonagura  
Stephen LoIacono  
Marianne Ortega  
Berge Tombalakian  
Yogi Virk
4. Chairman's Remarks
5. COMMITTEES:
  - A. Finance Committee: Stephen Lo Iacono, Chair
    1. Approval of vouchers, payroll transfers, payroll tax deposits and pensions and benefits transfers (Resolution 64-2024)
  - B. Personnel Committee: Matthew Jordan, Chair
  - C. Insurance Committee: Stephen LoIacono
    1. Authorization To Renew Membership in The New Jersey Utilities Joint Insurance Fund (Resolution 71-2024)
  - D. Operating Committee: Berge Tombalakian, Chair
    1. Operating Committee Report
  - E. Strategic Plan Committee: Dennis Bonagura, Chair
  - F. Buildings & Grounds Committee: Marianne Ortega, Chair

# **NORTHWEST BERGEN COUNTY UTILITIES AUTHORITY**

- G. General Counsel: Douglas Bern, Esq.
  - 1. Monthly Counsel Report
- H. Consulting Engineer: T&M Associates
  - 1. Monthly Engineer Report
- I. Executive Director: Robert Laux
  - 1. Authorization To Renew Membership To The National Association of Clean Water Agencies (Resolution 72-2024)
  - 2. Appointing Qualified Purchasing Agent (73-2024)
- J. Authority Engineer: Howard Hurwitz
  - 1. Committed Flow Report
- K. Superintendent: Robert Genetelli
  - 1. Authorization To Enter into A Shared Services Agreement with The Borough of Midland Park (Resolution 65-2024)
  - 2. Authorization To Enter into A Shared Services Agreement with The Borough of Dumont (Resolution 66-2024)
  - 3. Authorization of Sludge Thickener Tank Rehabilitation NJIB Loan No. S340700-22 (Resolution 67-2024)
  - 4. Authorization To Approve a Sewer Connection/Extension for Premises Located At The Ravine PFAS Treatment Facility, Ridgewood Water, 451 Goffle Road (Resolution 68-2024)
  - 5. Authorization To Award Iron Hills Construction Inc. Contract No. 306, Replacement of Sludge Incinerator Air Blower (Resolution 69-2024)
  - 6. Authorization of CP Engineers To Provide Engineering Professional Services for the Replacement of Aeration Blowers (Project #1176) (Resolution 70-2024)
  - 7. Update – Safety and IPP Programs
  - 8. NJPDES Permit Conformance Report
  - 9. Sludge Metal Analysis

September 4, 2024

**List of Bills - (01101010001) CASH-OPERATING 13494TD  
OPERATING FUND**

Check#	Vendor	Description	Payment	Check Total
50372	2029 - ACCSES NJ	PO 725 OFFICE CLEANING FOR JULY 2024	381.78	381.78
50373	1454 - ADP, INC.	PO 709 Payroll Services	1,498.26	1,498.26
50374	1016 - AIRGAS USA, LLC.	PO 693 Argon gas	1,841.03	1,841.03
50375	1802 - ALL MAINTENANCE PRODUCTS, INC.	PO 706 6 Mil Black Nitrile Powder Free Gloves -	1,140.00	1,140.00
50376	1783 - ALLIED-LOCKE INDUSTRIES	PO 774 Old PO 430419	23,615.87	23,615.87
50377	2048 - AMERICAN WEAR UNIFORMS	PO 695 Blanket PO for Employee Uniforms year 20	507.10	
		PO 719 Blanket PO for Employee Uniforms year 20	507.10	
		PO 742 Blanket PO for Employee Uniforms year 20	491.28	
		PO 762 Blanket PO for Employee Uniforms year 20	491.28	1,996.76
50378	1881 - BCN TELECOM, INC.	PO 722 Monthly Service	550.51	550.51
50379	1958 - BERN AND ASSOCIATES	PO 769 general counsel 2024	3,332.89	3,332.89
50380	1810 - BOMARK INSTRUMENTS, INC.	PO 746 Shipping costs for PO 659	50.00	50.00
50381	1706 - BUGTECH, INC.	PO 705 Spraying for bugs	85.00	
		PO 735 Removal of Large Hornets' Nest Above Tr	275.00	360.00
50382	1088 - CHAVOND-BARRY ENGINEERING CORP.	PO 712 General Advice	66,750.50	66,750.50
50383	1092 - CLEAN ALL TEC CORP.	PO 732 40x60 XXHD Black Flag Garbage Bags 100/c	1,134.00	1,134.00
50384	1971 - CORE & MAIN	PO 556 For Sand Silo: 4 FLG 90 C110 IMP Elbow	437.02	437.02
50385	1126 - DIVITA BALANCE SERVICE CO., LLC	PO 654 Ohaus MB120 Moisture Analyzer	3,881.00	3,881.00
50386	1269 - EASTERN INDUSTRIAL AUTOMATION	PO 426 For final tank 5 collector drive: TBW 3J	75.00	75.00
50387	2070 - EMERSON LLLP	PO 663 Field tech cost to calibrate Rosemount m	8,274.00	8,274.00
50388	1578 - ERA - A WATERS COMPANY	PO 305 Lab proficiency tests invoice 068080	1,080.80	1,080.80
50389	1149 - ERIC M. BERNSTEIN & ASSOCIATES, LLC	PO 696 Legal Services	1,080.00	
		PO 790 Legal Services	2,367.60	3,447.60
50390	1156 - FELDMAN BROTHERS ELECT. SUPPLY CO.	PO 748 Conduit for Aeration tank mag meters	87.92	87.92
50391	1164 - Fisher Scientific Co., LLC	PO 298 P282500 Potassium Persulfate	1,061.49	
		PO 702 Shipping owed from 4/26/2024 order	142.30	1,203.79
50392	1382 - Grainger, Inc.	PO 660 For Safety: EMI LED Safety Baton: LED Tr	296.24	
		PO 671 Canopy Tent: Polyester, Steel, 10ft x 10	996.56	
		PO 758 Split-Ring Hanger: Swivel Loop, Electro-	870.50	2,163.30
50393	1416 - HOME HARDWARE LLC	PO 694 Black Spray Head for Admin Building Sink	186.71	
		PO 707 33lb Forklift Tank Refill	91.98	
		PO 738 For Meters: 2025 Battery for OCM III's	298.07	
		PO 745 For Pump Station Sump Pump Pit Repairs	189.19	765.95
50394	1416 - HOME HARDWARE LLC	PO 768 Paint for Plant Grounds	624.01	624.01
50395	2024 - NEC CLOUD COMMUNICATIONS AMERICA	PO 787	1,223.21	1,223.21
50396	1010 - NJ FAMILY SUPPORT PAYMENT CENTER	PO 749 CS91102580A MS	551.00	551.00
50397	1010 - NJ FAMILY SUPPORT PAYMENT CENTER	PO 750 CS91102580A MS	551.00	551.00
50398	1010 - NJ FAMILY SUPPORT PAYMENT CENTER	PO 751 CS91519289A TP	923.08	923.08
50399	1010 - NJ FAMILY SUPPORT PAYMENT CENTER	PO 752 CS91519289A TP	923.08	923.08
50400	1024 - NOBEL SYSTEMS INC.	PO 786 GeoViewer Online Hosting subscription	6,000.00	6,000.00
50401	1206 - NORTH JERSEY MEDIA GROUP, INC.	PO 728 July Legal Advertising	508.49	508.49
50402	1537 - P & A AUTO PARTS, INC.	PO 669 For Truck 1108: Battery-GOLD BEP 96R-3	191.07	
		PO 698 Windshield Fluid WWS F2001	42.80	233.87
50403	1131 - P S E & G	PO 704 Franklin Lakes Generator	24.44	
		PO 723 Goffle Road Electric	1,806.39	
		PO 739 Plant Electric	76,303.49	
		PO 740 Ho-Ho-Kus Electric	3,458.87	

### List of Bills - (01101010001) CASH-OPERATING 13494TD OPERATING FUND

Check#	Vendor	Description	Payment	Check Total
		PO 767 Midland Park Pump Station	11,460.90	
		PO 773 Backflow Preventer	12.43	93,066.52
50404	1173 - POLYDYNE, INC.	PO 743 Clarifloc EA-192	6,846.00	6,846.00
50405	1792 - POWER TECHNOLOGY, INC.	PO 610 Network Camera- License Plate Reader	615.00	615.00
50406	1184 - PREMIER MAGNESIA, LLC	PO 717 8-7-2024 DPS thio delivery 43,066 x .295	12,704.47	
		PO 737 Goffle rd. P.S. thio delivery 44,070 x .	13,000.65	
		PO 747 8-26-2024 DPS thio delivery 43,106 x .29	12,716.27	38,421.39
50407	1185 - PRESTIGE LOCK & HOME, LLC	PO 701 May 8, 2024 BiAxle Key	274.97	274.97
50408	1199 - RACHLES/MICHELE'S OIL CO. INC.	PO 724 FUEL OIL #2 FOR INCIN- BLANKET PO	11,871.51	
		PO 731 87 Octane Fuel Delivery 8/5/24 Ticket 41	3,242.95	
		PO 736 Red Dyed ULSD- Diesel Fuel Delivery 8/7/	844.00	15,958.46
50409	1000 - Ready Refresh	PO 788 Water Delivery	16.47	16.47
50410	1215 - ROCKLAND ELECTRIC CO.	PO 730 Monthly Electric Bill Franklin Ave Pump	717.50	
		PO 772 July 26 - Aug. 27, 2024 Ramsey/Allendale	14,853.54	15,571.04
50411	1228 - SAF-GARD SAFETY SHOE COMPANY	PO 741 Old PO 440138	4,419.67	4,419.67
50412	2025 - Solve Networks, LLC	PO 715 Monthly Service Charge	281.66	281.66
50413	1247 - Staples	PO 666 Staples 2" 3-Ring View Binders, White, 1	275.13	275.13
50414	1253 - T&M ASSOCIATES	PO 783 Aerial Survey Service Waldwick WWTP	9,631.49	9,631.49
50415	1992 - THE PIZZUTO GROUP	PO 676 High back chairs	1,046.00	1,046.00
50416	1300 - THOMSON REUTERS - WEST	PO 733 Annual Subscription	1,150.00	1,150.00
50417	1902 - TROJAN UV	PO 687 New board : SRV PCB KIT, 07UV3+ CCB MAIN	3,949.40	3,949.40
50418	1334 - TWSP. OF MAHWAH WATER DEPT.	PO 771 Quarterly Water Bill	2,449.33	2,449.33
50419	1617 - UPS	PO 710 Weekly Service Fees	9.96	9.96
50420	1281 - UTILITY SUPPLY OF AMERICA, INC.	PO 462 WEG 182/4TC 3x230/460 2P 3HP W 6 TEFC	1,409.00	
		PO 480 Sludge Judge- Raven Coretaker 16' B10104	427.32	1,836.32
50421	1283 - VALLEY PHYSICIAN SERVICES	PO 697 INVOICE 5906K5622	65.00	65.00
50422	1290 - Verizon Communications	PO 700 Midland Park Pump Station	165.11	
		PO 703 FIOS bundle	856.43	
		PO 720 Franklin Lakes Pump Station	83.37	
		PO 729 Ho-Ho-Kus Pump Station	181.39	
		PO 765 Darlington Pump Station	146.12	
		PO 766 Goffle Road Pump Station	96.22	1,528.64
50423	1291 - VERIZON WIRELESS	PO 744 Wireless Bundle	1,266.36	1,266.36
50424	1733 - W.B. MASON CO., INC.	PO 690 Quartet Glass Dry Erase Desktop Computer	560.44	560.44
50425	1298 - WEF Membership	PO 753 Membership Renewal	182.00	182.00
TOTAL			-----	335,026.97

Summary By Account

ACCOUNT	DESCRIPTION	CURRENT YR	APPROP. YEAR	NON-BUDGETARY	CREDIT
01-101-01-000-0	CASH				
01-150-01-040-0	PROPERTY AND EQUIPMENT			0.00	335,026.97
01-201-01-200-000	FRINGE BENEFITS	65.00		1,046.00	
01-201-01-300-000	PROFESSIONALS	16,411.98			
01-201-01-400-000	COMMUNICATION	7,850.45			

ACCOUNT	DESCRIPTION	CURRENT YR	APPROP. YEAR	NON-BUDGETARY	CREDIT
01-201-01-600-000	MANAGEMENT	3,190.26			
01-201-05-200-000	FRINGE BENEFITS	6,416.43			
01-201-05-300-000	UTILITIES	115,080.84			
01-201-05-500-000	VEHICLES	4,586.74			
01-201-05-600-000	COLLECTION SYSTEM	40,778.37			
01-201-05-700-000	SEWAGE TREATMENT PLANT & LABORATORY	38,986.30			
01-201-05-800-000	SOLIDS DISPOSAL	94,262.74			
01-201-05-900-000	BUILDINGS & GROUNDS / ROADS	3,403.70			
01-205-01-000-0	OTHER LIABILITIES			2,948.16	
<b>TOTALS FOR</b>	<b>OPERATING FUND</b>	<b>331,032.81</b>	<b>0.00</b>	<b>3,994.16</b>	<b>335,026.97</b>

Total to be paid from Fund 01 OPERATING FUND

335,026.97

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335,026.97

## List of Bills - (06101010001) CASH-GEN IMPROV TD 31783 CAPITAL PROJECTS

Check#	Vendor	Description	Payment	Check Total
29	2071 - Activated Carbon Corporation	PO 789 Supply of 30,000 lbs of carbon	85,500.00	85,500.00
30	1088 - CHAVOND-BARRY ENGINEERING CORP.	PO 711 IDI Repairs	3,010.00	3,010.00
31	1431 - IRON HILLS CONSTRUCTION, INC.	PO 713 Labor for Aeration tanks 4&5 flowmeter r	38,700.00	38,700.00
32	1527 - J. FLETCHER CREAMER & SON, INC.	PO 664 Emergency repair of water main	26,871.53	26,871.53
33	1187 - PROFESSIONAL SECURITY CONS., INC.	PO 770 Alarm Panel permit: Waldwick Boro	523.00	523.00
34	1253 - T&M ASSOCIATES	PO 776 Consulting Engineering General Service 7	14,169.50	
		PO 777 Rehabilitation of Allendale Brook Manhol	63.75	
		PO 778 Intercepto Manhole Inspection Phase 1	14,329.75	
		PO 779 Oakland Sewer Service Analysis	598.00	
		PO 780 Force Main Repairs	21,544.50	
		PO 781 Thickener Repair Project	26,127.75	
		PO 782 Engineering Services for Water Main Repl	7,644.26	
		PO 784 Interceptor Manhole Inspections Phase 2	44,175.75	128,653.26
35	1253 - T&M ASSOCIATES	PO 785 Investigation & Analysis of Force Mains	3,887.00	3,887.00
TOTAL				287,144.79

Summary By Account

ACCOUNT	DESCRIPTION	CURRENT YR	APPROP. YEAR	NON-BUDGETARY	CREDIT
06-101-01-000-0	CASH			90,649.03	287,144.79
06-215-00-000-6610	Improvement			110,995.76	
06-215-00-000-6620	Construction Capital EXP.			85,500.00	
TOTALS FOR CAPITAL PROJECTS		0.00	0.00	287,144.79	287,144.79

Total to be paid from Fund 06 CAPITAL PROJECTS

287,144.79

287,144.79

**NORTHWEST BERGEN COUNTY UTILITIES AUTHORITY**

:

**SEPTEMBER 18, 2024**

**PAYROLL OPERATING ACCOUNT**

<b><u>VENDOR AND DESCRIPTION</u></b>	<b><u>AMOUNT</u></b>
PAYROLL TRANSFERS/PEBSCO WIRE TRANSFERS PAYROLL TRANSFERS FOR THE MONTH OF MAY 2024 FROM OPERATING ACCOUNT TO PAYROLL ACCOUNT	\$283,938.96

**FEDERAL & STATE DEPOSITS/PAYROLL**

<b><u>VENDOR AND DESCRIPTION</u></b>	<b><u>AMOUNT</u></b>
FEDERAL & STATE PAYROLL TAX DEPOSITS/PAYROLL FEDERAL AND STATE PAYROLL TAX DEPOSITS FOR THE MONTH OF MAY 2024	117,722.96

**PENSIONS & BENEFITS ELECTRONIC FUNDS**

<b><u>VENDOR AND DESCRIPTION</u></b>	<b><u>AMOUNT</u></b>
PUBLIC EMPLOYEE'S RETIREMENT SYSTEM AND PERS CONTRIBUTORY GROUP INSURANCE PREMIUM FUND FOR THE MONTH OF MAY 2024	\$ 27,871.04

**STATE OF N.J. STATE HEALTH BENEFITS**

<b><u>VENDOR AND DESCRIPTION</u></b>	<b><u>AMOUNT</u></b>
NEW JERSEY HEALTH BENEFITS FOR ELECTRONIC FUNDS EMPLOYER CONTRIBUTION FOR JUNE 2024	\$140,299.73
NEW JERSEY HEALTH BENEFITS FOR ELECTRONIC FUNDS EMPLOYEE CONTRIBUTION FOR JUNE 2024	\$ 3,808.19
NEW JERSEY DENTAL BENEFITS FOR ELECTRONIC FUNDS FOR JUNE 2024	\$ 3,451.58



**INTENDED FOR MANAGEMENT USE ONLY**

**Northwest Bergen County Utilities Authority**

**August 2024**

1. Plant Operations – Plant average flow increased to 9.4 MGD, from last month’s average of 8 MGD. The cause was the result of several periods of rain during the month. Plant operation was satisfactory. There was one odor complaint this month from Mr. LaPorta who complained of an odor at the top of our driveway.
2. Thickener Rehabilitation - The plant solid waste thickeners require maintenance which includes repair of the concrete shell and lining and replacement of some structural steel. The Authority has approved proposal from T&M Associates in the not-to-exceed amount of \$182,500 for Engineering Services in connection with the planning and design as well as funding and bidding assistance for the Sludge Thickener Tank Rehabilitation Project, NBCUA Project #1168.

Draft plans and specifications were submitted to the Authority and initial comments have been addressed. The Environmental Planning Document has been finalized and will be uploaded along with the Letter of Intent shortly. Upon electronic approval from the Authority, T&M will initiate the loan application and submission of the draft design documents in early September.

3. Plant Aeration Blower Replacement - The Authority operates, controls, and maintains the activated sludge treatment system by supplying sufficient oxygen to the biological process utilizing Hoffman Centrifugal blowers (original equipment) and Atlas Cop Co turbine blowers (added several ago). The air supplied by these blowers is vital to the proper operation of the system and our permit compliance. It is the intention of the Authority to replace and upgrade the two existing Hoffman Centrifugal Blowers due to their age and continual maintenance issues.

The Authority has requested a Proposal from CP Engineers (CPE) for Conceptual Design Services, Preliminary Design Services and Design Phase Services for this proposed project. CPE has responded with a proposal for a 4-month program to perform the indicated scope at a cost of \$86,300. This is expected to be on the agenda at the next meeting.

4. Incinerators

- a. NIRO Incinerator – The unit was brought online on June 6, 2023, and has been in operation since except for several minor interruptions. The unit was taken out of service to replace the activated carbon material in the mercury adsorber which was necessary prior to air emission testing later this summer. Replacement was completed on July 27 and the incinerator was brought back into operation.

There was a problem that arose with the contract. Activated Carbon was unable to utilize their identified disposal site requiring a change in the disposal location and packaging. The issue was investigated by our Purchasing Agent and Public Agency Compliance Officer and has been partially resolved. The used carbon has been removed from our site, but our contract may need to be revised.

- b. IDI Incinerator – With the startup of the NIRO incinerator, the IDI unit has been shut down. The unit has been inspected, and the Authority has approved a proposal from Chavond-Barry Engineering Corp. for professional engineering services in connection with the preparation of specifications and construction services for IDI incinerator repairs NBCUA Project #1166. NBCUA-C-24-003 “Incinerator Refractory Lining Replacement” is presently out for bid with the bid due date September 13, 2024.
- c. Incinerator Blowers – The Replacement of Existing Sludge Incinerator Combustion Air Blower - Contract No. NBCUA-C-24-002 – The project consists of the replacement of one multi-stage centrifugal fluidizing air blower at our facility, which will allow either blower to

## INTENDED FOR MANAGEMENT USE ONLY

service either incinerator. Bid specifications were issued on July 1 and bids were received on August 7. The low bidder was Iron Hills Construction with a price of \$478,000. The bid award will be on the agenda at the next meeting.

- d. Air Emission Permit - Our air operating permit expired in July 2022. DEP has issued a Pre-Draft Permit for our review and has highlighted specific items that require additional information. Our consultant prepared responses to DEP. After a significant delay, the stack test protocols were approved, and the test was conducted the week of August 5th. We hope that the Permit will be issued following the acceptance of the successful test but there may be some issues related to the Sludge Cake Receiving Facility emissions.
5. Sludge Cake Receiving Facility – With the continuing shortfall in sludge solids for incineration, we are investigating the installation of a facility to accept delivery of dewatered sludge cake at the Authority. CME has been retained to prepare the engineering design and bid specifications for the project.

NJDEP has issued a Treatment Works Approval No. 23-0336, Sludge Cake Receiving Facility, for this project and we are awaiting approval of funding from I Bank. CME continues to respond to questions from NJ Bureau of Environmental, Engineering, and Permitting as we move closer to approval for the project to go to bid.

The latest update in the approval process is a request from the NJDEP, DAQ, Bureau of Stationary Sources, Operating Permit Section for details of the Project, all of which, we believe, have previously been submitted. We will, of course, respond to the request.

6. Water Main Replacement – We have experienced several breaks in the potable water piping servicing plant. T&M has prepared an engineering proposal to investigate our repair/replace/relocate the 8-inch water supply piping system. The Authority has awarded a contract for professional engineering services in connection with the planning and design as well as funding & bidding assistance for the Water Main Replacement Project, NBCUA Project #1164. T&M has completed a review of all available site plans and potential improvements proposed by the Authority. Additionally, ground penetrating radar (GPR) has been completed. Aerial images have been collected in the field via drone. Once the review is completed, T&M will initiate the design of the proposed improvements.
7. Interceptor System Rehabilitation (NJEIT Project No. S340700-19) – This is a multi-faceted program which includes inspection, evaluation and repair of both force and gravity mains (including manholes) within our system. The Authority has an existing application for funding consideration of various sanitary sewer interceptor rehabilitation and repair work based on ongoing evaluation of the system. The Authority is applying for a new loan to cover future collection system rehabilitation projects.

T&M is managing the overall program. The main components of the program are:

- a. Force Main Repairs - The Authority has conducted a program of force main inspections designed to determine whether any defects are present. Pure Technologies, a division of Xylem, Inc., was retained to conduct the program. Three of our force mains have been evaluated as a part of this program.

The Authority has approved the proposal from T&M Associates in the not-to- exceed amount of \$432,000 for Engineering services in connection with the planning and design as well as funding and bidding assistance for the Force Main Repair Project.

- The Midland Park Force Main Repair - Evaluation of the 5,386 ft. long 20-inch Midland Park Force Main by Pure Technologies concluded that no leaks or gas pockets were present. One (1)

## INTENDED FOR MANAGEMENT USE ONLY

pipe was identified with one (1) electromagnetic anomaly characteristic of wall loss. As reported previously, field repairs were conducted and no additional work is required.

- Darlington Force Main Repair – The 3-mile force main was electromagnetically inspected on June 14, and June 15, 2022, using Pure Technologies’ proprietary PipeDiver®. The purpose of the electromagnetic inspections was to locate and identify pipes with indications of corrosion-induced pipe wall thinning or “wall loss.”

A total of eleven electromagnetic anomalies characteristic of wall loss were detected across a total of ten pipes. The pipes affected had between one (1) and two (2) wall loss anomalies per pipe.

1. Area of wall loss ranged from 9 to 16 square inches.
2. Wall loss anomalies were quantified with an estimated depth ranging from 25percent to 50 percent of the nominal pipe wall thickness.

Draft plans have been finalized and submitted to the Authority for review and comment. Preparation of specifications is in progress.

- b. Phase 1 Gravity Main Manhole Repairs - T&M along with their subcontractor, Vortex, has conducted manhole inspections for the Goffle Brook North & South, Franklin Lakes, Pulis Avenue and Trunk Sewer East interceptors. The purpose of the assessment was to evaluate the condition of the 164 associated manholes. The data has been analyzed to identify those manholes requiring attention and T&M has provided a report among with a cost estimate for the repair work. Their estimate is \$1,100,000 to make the recommended repairs to eliminate the defects observed from the manhole inspections. The Authority authorized the design of the recommended repairs and T&M is in the process of finalizing the specifications and contract drawings for the selected/recommended improvements.
  - c. Phase 2 Gravity Main Manhole Inspections – T&M has proposed a Phase 2 program to conduct manhole inspections at three additional NBCUA Interceptors: Ramapo River Interceptor (Stage II, Phase I), Masconicus Brook Interceptor (Stage II, Phase I) and Chapel Road / Southerly Drive Interceptor (Stage II Phase II Interceptor. The Authority has authorized the initiation of Phase 2 of the manhole inspection program and the initial site inspections of the selected manholes are ongoing.
  - d. SAN Manhole #50 Repair– The inspection of the Franklin Lakes force main discharge at MH #50 showed significant deterioration. It was determined that the repair/replacement of this manhole should be addressed separately, instead of including this work in a major construction contract. T&M has prepared plans and specifications and has submitted to New Jersey Environmental Infrastructure Financing Program (NJEIFP) for approval of the financing cost of \$450,000. Technical comments have been addressed and project certification is pending approval from the Environmental Reviewer.
6. Expanding Service - Oakland - The NJDEP has defined a Sewer Service Area which will primarily serve Ramapo Valley Road and adjacent properties, and the Borough has prepared details of the proposed project. Discussions on the project are on hold.
7. Miscellaneous
- a. Chapel Road Emergency Sewer Repair – NJDEP has finally agreed to reimburse NBCUA for costs associated with the emergency created by the manhole failure (the bypass) but not the subsequent repairs to the system. Copies of the bypass system receipts have been uploaded to the NJDEP for approval and reimbursement. If all goes according to plan the costs will be included in our loan closing.

**INTENDED FOR MANAGEMENT USE ONLY**

- b. Annual Report – The Authority is in the process of preparing Annual Reports for C/Y 2021 and 2023. T&M has issued Draft Reports which are under review.

Bern & Associates LLC  
39 Park Place, Suite 204  
Englewood, New Jersey 07631  
Tel: 201.431.5000 • Fax: 201.735.8940

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THIS DOCUMENT IS SUBJECT TO THE  
ATTORNEY-CLIENT PRIVILEGE AND  
WORK-PRODUCT DOCTRINE  
NOT SUBJECT TO DISCLOSURE UNDER THE  
OPEN PUBLIC RECORDS ACT (OPRA)

# MEMO

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**To:** Northwest Bergen County Utilities Authority Commissioners

**Cc:** Robert Laux, Interim Executive Director  
John Danubio, Assistant Executive Director

**From:** Douglas M. Bern, Esq. 

**Date:** September 9, 2024

**RE:** Monthly Counsel Report

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1. **Oakland Sewer Project:** Monitoring and further discussions regarding collection system expansion are ongoing.
2. **Wyckoff/Knolls Project:** On hold pending Wyckoff action. Alternate Wyckoff plans are in the discussion phase.
3. **NBCUA/Suez Dispute/Chapel Road Project (Mahwah Property):** Concluded: Resolved reimbursement issue; Administration is finalizing arrangement with the NJDEP to obtain grant/reimbursement.
4. **Personnel:** Attention to various personnel matters; administrative matters;

5. **General Administrative Matters:** Review of meeting minutes; draft and review of Resolutions for meetings; attention and responses to OPRA Request(s); review and provide certifications of minutes and submissions to County Executive.
6. **Waste Management Contract Issue:** Concluded: No further action by Waste Management.
7. **Atlas Copco:** Confirmed: Review correspondence and invoices from Atlas Copco; Discussions with NBCUA regarding same. Attention to accounts of engineering issues to fact-find and address dispute; review proposed maintenance agreement.
8. **Tomar Close Out Issues:** No further response at this time from Tomar.
9. **Nauset Lane, Ridgewood, NJ:** Attention to illegal dumping at the site by Denny Wiggers Landscape; Cease & Desist letter sent to Denny Wiggers via Certified Mail (RRR) and was received by Denny Wiggers on August 5, 2024; no response to date; follow up with NJDEP and Denny Wiggers.
10. **Tort Claim:** Attention to claim for damages arising from a bicycle accident on East Allendale Road, Saddle River. Seeking dismissal vs. NBCUA;
11. **Ridgewood Water PFAS Treatment Ravine Treatment Facility:** Receipt and review of TWA application; preparation of Resolution;
12. **General Consulting:** General consulting on ongoing legal matters for Administration.





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NBUA-G2401

August 30, 2024

Robert E. Laux, Esq., Executive Director  
Northwest Bergen County Utilities Authority  
30 Wyckoff Avenue at Authority Drive  
P.O. Box 255  
Waldwick, New Jersey 07463

**Re: Monthly Report – August 2024**

Dear Mr. Laux:

The following is a brief summary of T&M's activities during the month of August.

- 1. Interceptor System Rehabilitation Funding Application (T&M Project No. 00649; PM-Rose Santos)** – T&M is providing general engineering services to prepare and submit a New Jersey Infrastructure Bank finance application to fund potential improvements. This work includes preparation and online submission of the Project Information Form, Letter of Intent, Level 1 Environmental Planning Document and loan application.

Status Update

- In late February, a submission of the final invoice for costs associated with Chapel Road was submitted to the NJDEP and IBank for review and consideration. A formal response was issued to the Authority on March 8, 2024 indicating that only the bypass system work associated with the Chapel Road emergency repair would be eligible for reimbursement.
- An email submission of all collated invoices related to the bypass work gathered by T&M was forwarded to the NJDEP by the Authority. NJDEP requested that all submissions be processed through the H2loans portal.
- T&M worked with NJDEP and a construction project for the approved work was established under the H2loans portal. Copies of the bypass system receipts were recently uploaded to the NJDEP for formal approval and reimbursement.
- Once reimbursement of the Chapel Road Bypass System invoices are completed, this project will be removed from the monthly status report.

- 2. Annual Report (T&M Project No. G2102; PM-Mubashar Malik)** – T&M is providing engineering services for the inspection of the Authority's treatment infrastructure and preparation of the annual report per the Authority's Trust Indenture.

Status Update

- Comments on the 2021 draft report were received and the report updated. Final copy pending Authority approval.



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- Draft copies of the annual reports for years 2022 and 2023 have been forwarded to the Authority Engineer for review and approval.

- 3. Interceptor Manhole Inspections - NBCUA Project 1167 (T&M Project No. 00655; PM - Vito Spadavecchia)** – T&M along with their subcontractor is completing “Level 2” manhole inspections for the Goffle Brook North & South, Franklin Lakes, Pulis Avenue and Trunk Sewer East interceptors.

Status Update

- Phase 0 (Contract #1): Design for Contract #1, which is the replacement of MH #50 on Pulis Avenue and other miscellaneous improvements along Pulis Avenue, has been completed. Copies of the draft design documents have been issued to Authority and the NJDEP for comment. Technical comments on the design documents have been addressed. The final engineering agreement has also been drafted and issued to the Authority for signatory approval. Environmental review comments on the Environmental Planning Document have been addressed and we are awaiting issuance of the Environmental Decision Document (EDD). Project certification to be issued once the EDD is issued, the engineering agreement is signed off and the contract documents are deemed complete from an environmental review perspective.
- Phase 1 (Contract #2): The assessment and preparation of recommended improvements for Contract #2, which includes improvements to manholes along the Goffle Brook North and South, Franklin Lakes, Pulis Avenue and Trunk Sewer East interceptors has been completed. The Authority authorized the design of the recommended improvements outlined in the draft report and work has been initiated. T&M is in the process of finalizing the specifications and contract drawings for the selected/recommended improvements.
- Phase 2 (Contract #3): Refer to line item #8 of this report for additional project details.

- 4. Oakland Expansion (T&M Project No. 00656; PM – Rose Santos)** – T&M is providing assistance to the Authority in developing concept design and costs for the potential sewer expansion in Oakland.

Status Update

- T&M continues to meet with the Authority and Oakland representatives to discuss potential flow projections and infrastructure needs.
- Current flow to the Franklin Lakes PS appears to be under capacity from the original design based on the Authority Engineer’s calculations.

- 5. Thickener Repairs – NBCUA Project 1168 (T&M Project No. 00657; PM – Mark Andras)** – T&M is providing engineering assistance to evaluate and prepare design documents for repairs to the Authority’s existing thickener.

Status Update

- Draft plans and specifications were submitted to the Authority and initial comments have been addressed.





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- The Environmental Planning Document has been finalized and will be uploaded along with the Letter of Intent shortly. Upon electronic approval from the Authority, T&M will initiate the loan application and submission of the draft design documents in early September.

- 6. Force Main Repairs (T&M Project No. 00658; PM – Mubashar Malik)** – T&M is providing design, contract administration and field inspection services for various improvements to its existing force mains based on deficiencies observed by Pure Technologies as part of their force main analysis work.

Status Update

- Draft plans have been finalized and submitted to the Authority for review and comment.
- Specifications are in progress.

- 7. Treatment Plant Potable Water Main Replacement – NBCUA Project 1164 (T&M Project No. 00659; PM – Mubashar Malik)** – T&M is providing design, contract administration and field inspection services for replacement of the existing potable water main within the Authority treatment plant.

Status Update

- The new aerial survey recently completed by the Authority is being used to supplement collected field survey and basemap information to confirm existing features within the treatment plant.
- Draft design plans are being finalized and shall be submitted to the Authority for review and comment shortly.

- 8. Interceptor Manhole Inspections Phase 2 (T&M Project No. 00661; PM – Andrew Filippi)** – T&M is providing design services associated with manhole inspections for the Ramapo River, Masconicus Brook and the Chapel Road / Southerly Drive interceptors.

Status Update

- The initial site inspections of the selected manholes are ongoing.

- 9. Ridgewood Raw Water Main – (T&M Project No. G2401 / Phase B; PM – Mubashar Malik)** – T&M is providing assistance to the Authority to determine potential impacts of proposed improvements by others.

Status Update

- Mott McDonald has provided additional design plans, which have been reviewed and discussed with Authority personnel.
- No change this past month, T&M will continue to work with the consultant and the Authority on Ridgewood's water expansion plans as directed.



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If you have any questions or require additional information, please call.

Very truly yours,

T&M ASSOCIATES

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NICHOLAS C. ROTONDA, P.E.  
VICE PRESIDENT

NCR:RRS

cc: Authority OPS Commissioners  
John Danubio, Assistant Executive Director  
Howard Hurwitz, Authority Engineer  
Robert Genetelli, Superintendent

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# MEMORANDUM

## NORTHWEST BERGEN COUNTY UTILITIES AUTHORITY

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**Date:** September 10, 2024  
**To:** Robert Laux, Executive Director  
**From:** Samuel N Brewer, Technical Advisor

**Subject: Committed Flow Report** based upon August plant flows

This month's report reflects plant flow experiences through the end of August 2024. The anticipated flows presented in this report are from sewer extensions and connections approved by the Authority, but which have not yet been reported as in operation. The table that follows is a compilation of data reflecting the NJPDES permit flow limitations that were updated May 15, 2017, and plant flow trends for the last twelve months as they relate to these limitations for the periods indicated. A graphic presentation is also provided, which illustrates flow trends since January 2013, and how they relate to the NJPDES permit limitations for flow during this period.

<b>MONITORING CRITERIA</b>	<b>July 2024</b>	<b>August 2024</b>
Averaged Daily Flow for Month (mgd)	8.043	9.338
NJPDES Limitation as a Monthly Average Daily Flow (mgd)	16.800	16.800
Anticipated Flows (mgd)	0.102♦	0.102♦
Average Daily Flow for the Twelve Consecutive Months {12 month average} (mgd)	10.958	11.188
Committed Flow (Sum of 12 Month Average Daily Flow and Anticipated Flow) (mgd)	11.060	11.290
Commitment of Plant Capacity based on Monthly Averaged Daily Flow Limitation	65.8%♦	67.2%♦
EDU's add by Extensions/Connections Approved Starting January 2024	210	210

This month's report includes the flows anticipated from the sewer extensions/connections approved by the Authority. The anticipated flow from the approved applications will increase the Authority's anticipated flow by 0 gallons per day. The approved applications were for the following projects:

No applications were submitted for approval

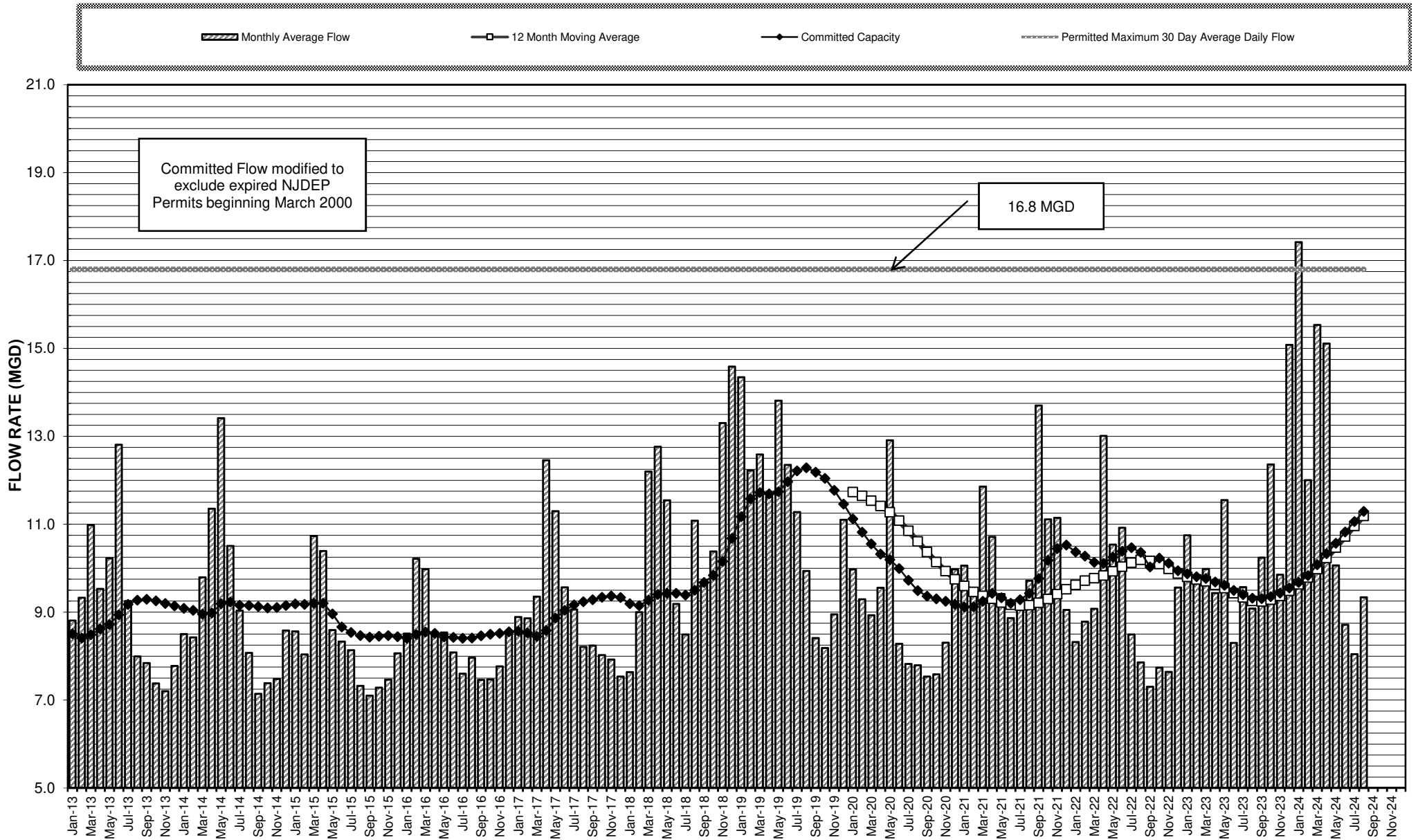
Utilizing the criteria specified by the current NJPDES permit flow limitations, the Authority's committed flow is 11.290 mgd. This is 67.2% of the plant's permitted capacity as defined by the criteria of the permit. At 67.2%, the permitted capacity utilization of the plant is below the threshold for implementing the Capacity Assurance Program (N.J.A.C. 7:14A-22.16).

♦Notes

The Committed Flow calculation has been updated to exclude expired NJDEP Permits. Expired permits will be purged annually, at the beginning of the Plant Data year.  
Capacity assurance program updated to reflect 49 N.J.R. 119(1a) starting with October 2022 plant flows  
Graph corrected to reflect above change

# REPORT for AUGUST 2024

## FLOW RATE TRENDS AT NBCUA WASTEWATER TREATMENT PLANT



Investments as of 09.18.2024

Maturity Date	Day	Fund	Bank	Account No.	Amount	Purchased On	Purchased From	Period, Days	Interest Rate	Interest Earned	Total At Maturity	CD Account #	Notes
10.02.2024	Wed	Renewal & IBK of NY		9333068400	\$ 5,232,500.00	07.16.2024	Unity Bank	78 Days	5.00%	\$ 56,685.42	\$ 5,289,185.42	3590003806	
10.02.2024	Wed	Bond Reserv BK of NY		9333048400	\$ 680,698.65	07.16.2024	Unity Bank	78 Days	5.00%	\$ 7,374.24	\$ 688,072.89	3590003798	
10.02.2024	Wed	Bond Servic BK of NY		9333058400	\$ 363,853.94	07.16.2024	Provident	78 Days	5.00%	\$ 3,941.75	\$ 367,795.69	9980002244	
10.02.2024	Wed	Revenue BK of NY		9333078400	\$ 6,000,000.00	07.16.2024	Provident	78 Days	5.00%	\$ 65,000.00	\$ 6,065,000.00	9980002234	
10.02.2024	Wed	Revenue BK of NY		9333078400	\$ 600,000.00	07.24.2024	Provident	70 Days	5.00%	\$ 5,833.33	\$ 605,833.33	9980002254	
10.02.2024	Wed	Revenue BK of NY		9333078400	\$ 600,000.00	07.29.2024	Unity Bank	65 Days	5.00%	\$ 5,416.67	\$ 605,416.67	3590003830	
10.02.2024	Wed	Revenue BK of NY		9333078400	\$ 450,000.00	07.31.2024	Provident	63 Days	5.00%	\$ 3,937.50	\$ 453,937.50	9980002264	
10.02.2024	Wed	Revenue BK of NY		9333078400	\$ 2,000,000.00	08.5.2024	Provident	58 Days	5.00%	\$ 16,111.11	\$ 2,016,111.11	9980002274	
10.02.2024	Wed	Revenue BK of NY		9333078400	\$ 659,095.78	8.8.2024	Unity Bank	55 Days	5.00%	\$ 5,034.76	\$ 664,130.54	3590003855	
10.02.2024	Wed	Revenue BK of NY		9333078400	\$ 1,020,000.00	9.3.2024	Provident	29 Days	5.00%	\$ 4,108.33	\$ 1,024,108.33	9980002284	
										\$ -	\$ -		

\$ 17,606,148.37

\$173,443.11 \$17,779,591.48

Interest Rate

General	TD Bank	11031783	\$ 335,101.61	3.00%	not invested
Operating	TD Bank	11031759	\$ 2,323,912.91	3.00%	not invested
Sewer Trust	TD Bank	11031791	\$ 123,329.62		not invested
Revenue	BK of NY	9333078400	\$ 87,114.49		not invested