

WESTCHESTER JOINT WATER WORKS

Pre-Meeting Packet

For

Tuesday, March 23, 2021 at 3:30 p.m.

Board Meeting

NOTICE OF MEETING
WESTCHESTER JOINT WATER WORKS
BOARD OF TRUSTEES
MEETING

The Westchester Joint Water Works Board of Trustees Meeting has been scheduled for:

DATE: **March 23, 2021**

DAY: **Tuesday**

TIME: **3:30 p.m.**

LOCATION: **Westchester Joint Water Works**
 1625 Mamaroneck Avenue
 Mamaroneck, NY 10543

Due to coronavirus concerns and in accordance with the Governor's Executive Order 202.1, the public will be able to attend the meeting remotely through an audio conference – access information to be provided in advance of the meeting on WJWW's website, www.wjww.com

If you have any questions, please call (914) 698-3500, extension 610.

WESTCHESTER JOINT WATER WORKS BOARD OF TRUSTEES MEETING AGENDA

Tuesday, March 23, 2021 at 3:30 p.m.

In

Main Office Conference Room

Due to coronavirus concerns and in accordance with the Governor's Executive Order 202.1, the public will be able to attend the meeting remotely through an audio conference – access information to be provided in advance of the meeting on WJWW's website, www.wjww.com and can also be accessed via the Zoom link below:

Join Zoom Meeting

<https://zoom.us/j/92913064695?pwd=eVV5VGRzMFEQwRGx6MnZQazVVaklJdz09>

Meeting ID: 929 1306 4695

Password: 002934

Dial by your location: +1 929 205 6099 US (New York)

I. APPROVAL OF MINUTES

- March 9, 2021 Board Meeting

II. FINANCIAL REPORTS AND APPROVALS

- Bank Balances
- Approval of Claims
- General Administration
 - SCADA System Upgrades and Security Enhancements Phased-In Proposal – Woodard & Curran
 - Rye Lake Filtration Plant
 - o SEQRA
 - Resolution to Adopt Draft Scope of Filtration Plant EIS and Set Public Scoping Session
 - o Presentation of Filtration Plant Microsite - Co-Communications

III. OLD BUSINESS

- Project Updates

IV. MANAGER'S REPORT

V. NEW BUSINESS

VI. CONSIDERATION OF EXECUTIVE SESSION

VII. DATE OF NEXT MEETING - TBD

WESTCHESTER JOINT WATER WORKS

Board of Trustees Meeting

Tuesday, March 9, 2021 at 3:30 p.m.

The meeting was called to order at 3:35 p.m. with the following members present (via video conference):

Present:

- Trustees: Ron Belmont, Tom Murphy, Nancy Seligson
- Lori Lee Dickson, General Counsel
- Paul Kutzy, Manager
- David Birdsall, Business Director
- Frank Arcara, Chief Water Treatment Plant Operator 1-B
- Jacqueline Briggs, Assistant Civil Engineer
- Zach Wasp, Junior Civil Engineer

Approval of Minutes

Trustee Murphy made a motion to approve the minutes of the February 23, 2021 Board meeting, with the following correction: Paul Kutzy, Manager, reported on the Claims and not David Birdsall, Business Director, who was not in attendance. Trustee Belmont seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

Financial Reports and Approvals

David Birdsall, Business Director, reviewed bank balances and presented claims to the Board highlighting significant items, among them: NYC Water Purchases, Filtration Plant Engineering Services, Payroll Related Items, Partial Release of Project A-1310 Retainage and Annual Maintenance Agreement for Plant Analyzers.

Approval of Claims: Trustee Belmont made a motion to approve 150 claims totaling \$1,202,300.00. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

General Administration:

- UV Facility: David Birdsall, Business Director, reported that there were three bidders for the electrical component of this project, with bids ranging from approximately \$1,050,000 to \$1,549,243. Filingeri Electric came in as the low bidder, with an estimated total base bid amount of \$1,050,000. An independent evaluation of the Filingeri Electric proposal by H2M Architects and Engineers, found them to be qualified, experienced and successful with projects similar in size and complexities to WJWW's project. Trustee Belmont made a motion to award the electrical construction bid to Filingeri Electric in the estimated total base bid amount of \$1,050,000. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

- Resolution to Appoint a Hearing Officer: Approval of a Resolution to appoint a Hearing Officer to conduct a Section 75 Hearing for a WJWW disciplinary matter, related to Employee Number 0126, was requested. Lori Lee Dickson, General Counsel, explained that a qualified Hearing Officer, with experience in cases similar to the WJWW matter, has been appointed, pending the Board's approval. The Hearing Officer will conduct the hearing, provide a report and recommendation for the Board, who will then take appropriate action. It was explained that this process is mandated by law. Trustee Belmont made a motion to approve the Resolution to Appoint a Hearing Officer to Conduct a Section 75 Hearing for a WJWW Disciplinary Matter, related to Employee Number 0126. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

- Resolution to Revoke an Interim Conflict of Interest Policy Pertaining to Backflow Prevention Device Testing within District by WJWW Employees: On January 3, 1994, WJWW adopted an Interim Conflicts of Interest Policy pertaining to backflow prevention device testing, which conditionally permitted WJWW employees (independently certified by NYS) to conduct testing of backflow prevention devices within the WJWW system, including cross connection control devices of its customers. Lori Lee Dickson, General Counsel, explained that a review of this Interim Policy no longer aligns with modern public policy, creates a potential appearance of impropriety and does not meet with current ethical standards. A Resolution, to become effective October 1, 2021, was presented to the Board for consideration which would revoke this Interim Policy and prohibit WJWW employees from testing backflow prevention devices within the WJWW system, including cross connection control devices of its customers. Trustee Belmont made a motion to approve the Resolution as presented. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

The Trustees requested that the description of this resolution on the BOT meeting agenda be clarified. To be clear, the current Resolution is revoking a January 3, 1994 Interim Conflicts of Interest Policy related to backflow prevention device testing by WJWW employees within WJWW's service area. The requirement that WJWW customers have their backflow devices tested annually is still in effect and only modified to the extent that the certified backflow tester performing the test cannot be an employee of WJWW.

- Audit, Budget and Multi-Year Plan: David Birdsall, Business Director, reported that the audit, which is being conducted remotely, is nearing its end. The finalized audited statements will be completed in the next couple of weeks. Preliminarily, the numbers are as expected. Lower spending was offset by lower revenues. A draft revised budget with reflecting proposed rate increases and adjustments, will be circulated within the next week or so. Last year WJWW received funding from NYCDEP, in the amount of \$250,000, to cover residual costs that were not going to be covered by the budget. WJWW recently learned that this funding will not be available this year. It was explained that deferring the AMI any longer will not be in WJWW best interest. A plan to upgrade transmitters will be possible if the funding becomes available in the future. The Multi-Year Plan will be updated to reflect new timing on various capital projects and will address proposed rate increases. The increases will encompass SCADA, as the base line budget did account for some SCADA upgrades. Woodard & Curran are still working on a three-year, phase-in plan for SCADA security upgrades and will present at the next BOT meeting, if the proposal is

submitted. David Birdsall, Business Director, encouraged the Board to submit questions or comments related to the budget to him, via email.

- **Rye Lake Filtration Plant:** Paul Kutzy, Manager, explained to the Board that because a Nexus Creative proposal related to architectural design services was left off the last Board packet, it was circulated ahead of this meeting, in order to give the Trustees time to review. In the early planning stages of the Filtration Plant project, it was decided to not have one consulting firm perform all tasks, but to hire those who are specialized in their fields. WJWW hired, for example, Hazen and Sawyer, engineering consultants that specialize in the SEQRA process, to perform the required SEQRA environmental reviews. In the same way, WJWW hired Nexus, a specialized architectural design firm, with experience in the region and who understand the importance of this project blending in with the local neighborhood.

A Nexus proposal in the amount of \$25,000, already approved by the Board, carried the project through the early design stage. Now deep into project design, a second, Phase 2 Architectural Design, Planning and Supporting Consultant Services Proposal has been submitted, in the amount of \$143,500, which will enable Nexus to continue their work on this important project. The consideration of this proposal is time sensitive, because at any moment a decision by the NYSDEC Commissioner regarding lead agency status is expected, and WJWW wants be prepared to “jump out of the gate” when the decision comes. Lori Lee Dickson, General Counsel, reminded the Board that Nexus, along with other consultants, offered a comprehensive presentation to the Trustees at the January 12th BOT meeting, that outlined proposed architectural design elements, landscaping and buffering options. Trustee Belmont made a motion to approve the Nexus Creative Phase 2 Architectural Design, Planning and Supporting Consultant Services Proposal, in the amount of \$143,500. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	“aye”
Trustee Belmont	“aye”
Trustee Murphy	“aye”

Lori Lee Dickson, General Counsel, reminded the Board that WJWW has been working with Co-Communications to develop a microsite dedicated to the Filtration Plant, which will be an educational tool for the public. The microsite will also function as a repository for all necessary notices and documentation related to the ongoing environmental review, which will lead toward the preparation of an Environmental Impact Statement. A link to the draft microsite was circulated to the Trustees prior to the BOT meeting and some of the comments included that the microsite was “effective, well presented, and read well” and that it “answered questions as to what happened in the past”. It was decided that Co-Communications should be invited to the next BOT meeting to present the microsite and provide a walkthrough of the site, including how to navigate.

Old Business

Frank Arcara, Chief Water Treatment Plant Operator 1-B, updated the Board on the following:

- **WCDOH Sanitary Survey:** WCDOH staff performed a routine Sanitary Survey of WJWW system and it went well. TTHM and HAA5 results have come back within normal ranges.
- **Howard Avenue/VOM:** A shut down to cut in Tee’s will be performed Thursday night into Friday morning. Work is expected to be completed in one week from that time. Residents will receive notification and Trustee Murphy would like to be notified when this work begins, as well.
- **WJWW Distribution staff** were involved with 9 service line renewals, 7 water main repairs, responded to 140 service calls and backflow inspections, did mark-outs as needed, continued to

read District 3 meters and performed weekly/monthly flushing. Operations staff were busy, taking 100 samples, including 21 other special samples. All results have come back within normal ranges.

- Rye Lake Pump Station: Electricians are working with General Electric to obtain a Buss bar, a specialty item that must be custom built and custom drilled. WJWW expects that the Buss bar will be on-site in the next couple of weeks. The Board will be notified when the repair will be made. An emergency generator that was being rented, at a cost of \$36,000 a month, was no longer needed at this time and was returned early, resulting in a reduction of expected total cost by more than half. The emergency generator will be needed at the site again when the Buss bar is delivered, so that the station can be safely operated during the installation of the equipment.

Manager's Report

No Manager's Report needed at this time.

New Business

No New Business to discuss at this time.

Executive Session

At 4:18 p.m., Trustee Belmont made a motion to go into Executive Session to discuss personnel matters concerning qualifications of a particular individual. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

At 4:30 p.m., Trustee Murphy made a motion to leave Executive Session and return to the regular Board meeting. Trustee Belmont seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

Date of Next Meeting

The next Board of Trustees meeting is scheduled for March 23, 2021 at 3:30 p.m.

With no further business to discuss, Trustee Murphy made a motion to adjourn the meeting. Trustee Belmont seconded the motion:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

The meeting adjourned at 4:34 p.m.

[illegible][illegible]

WESTCHESTER JOINT WATER WORKS
CLAIMS LISTING FOR APPROVAL BY BOARD OF TRUSTEES
TUESDAY, MARCH 23, 2021

DATE OF MEETING	01/12/21	01/28/21	02/09/21	02/23/21	03/09/21	03/23/21	TOTAL
TOTAL NUMBER OF CLAIMS:	167	92	149	141	150	94	793
TOTAL NUMBER OF CHECKS:	150	83	140	133	141	86	733
AMOUNT OF CLAIMS & CHECKS	\$1,187,044	\$519,856	\$1,610,918	\$1,356,134	\$1,202,300	\$409,957	\$6,286,209
MAJOR CATEGORIES							
PAYROLL & BENEFITS	\$233,314	\$180,176	\$140,582	\$134,878	\$131,105	\$116,978	\$937,033
CHEMICALS, MATERIALS, PARTS	\$45,226	\$98,919	\$70,668	\$85,832	\$64,659	\$74,140	\$439,444
PERMITS/INSURANCES	\$98,466	\$5,400	\$0	\$89,508	\$14,924	\$108,669	\$318,167
PROFESSIONAL/ENGINEERING/LEGAL	\$89,267	\$2,838	\$14,272	\$86,017	\$17,502	\$39,231	\$229,127
NYC WATER BOARD/UNITED WATER	\$510,524	\$0	\$0	\$468,005	\$455,060	\$0	\$1,433,589
OFFICE & COMPUTER	\$11,495	\$320	\$25,493	\$9,095	\$10,524	\$27,371	\$84,298
UTILITIES & TELEPHONES	\$37,100	\$3,527	\$35,139	\$32,548	\$9,394	\$33,039	\$150,747
EMPLOYEE EDUCATION/EXPENSE	\$4,538	\$0	\$0	\$132	\$10,254	\$0	\$14,924
MEDICARE REIMBURSEMENTS	\$0	\$0	\$0	\$0	\$18,444	\$0	\$18,444
CUSTOMER REFUNDS	\$653	\$62,785	\$10,042	\$39	\$621	\$50	\$74,190
BLDGSGROUNDS IMPROVEMENTS	\$19,741	\$9,704	\$3,600	\$2,063	\$48,851	\$1,160	\$85,119
TAXES	\$0	\$33,809	\$4,030	\$0	\$7,642	\$0	\$45,481
AUTHORIZATIONS	\$155,720	\$122,204	\$45,550	\$79,608	\$336,502	\$3,449	\$745,033
O/S CONTRACTORS	\$0	\$174	\$660,693	\$388,409	\$74,818	\$5,670	\$1,109,764
TOTAL CLAIMS/CHECKS:	\$1,187,044	\$519,856	\$1,610,918	\$1,356,134	\$1,202,300	\$409,957	\$5,685,360
REIMB. FOR SEWER RENTS	\$0	\$0	\$0	\$0	\$0	\$0	\$600,849
DISTRIBUTIONS TO MUNIS	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GRAND TOTAL:	\$1,187,044	\$519,856	\$1,610,918	\$1,356,134	\$1,202,300	\$409,957	\$6,286,209

DATE OF MEETING	01/12/21	01/28/21	02/09/21	02/23/21	03/09/21	03/23/21	TOTAL
TOTAL NUMBER OF CLAIMS:	167	92	149	141	150	94	793
TOTAL NUMBER OF CHECKS:	150	83	140	133	141	86	733
AMOUNT OF CLAIMS & CHECKS	\$1,187,044	\$519,856	\$1,610,918	\$1,356,134	\$1,202,300	\$409,957	\$6,286,209
MAJOR CATEGORIES							
PAYROLL & BENEFITS	\$233,314	\$180,176	\$140,582	\$134,878	\$131,105	\$116,978	\$937,033
CHEMICALS, MATERIALS, PARTS	\$45,226	\$98,919	\$70,668	\$85,832	\$64,659	\$74,140	\$439,444
PERMITS/INSURANCES	\$98,466	\$5,400	\$0	\$89,508	\$14,924	\$108,669	\$318,167
PROFESSIONAL/ENGINEERING/LEGAL	\$89,267	\$2,838	\$14,272	\$86,017	\$17,502	\$39,231	\$229,127
NYC WATER BOARD/UNITED WATER	\$510,524	\$0	\$0	\$468,005	\$455,060	\$0	\$1,433,589
OFFICE & COMPUTER	\$11,495	\$320	\$25,493	\$9,095	\$10,524	\$27,371	\$84,298
UTILITIES & TELEPHONES	\$37,100	\$3,527	\$35,139	\$32,548	\$9,394	\$33,039	\$150,747
EMPLOYEE EDUCATION/EXPENSE	\$4,538	\$0	\$0	\$132	\$10,254	\$0	\$14,924
MEDICARE REIMBURSEMENTS	\$0	\$0	\$0	\$0	\$18,444	\$0	\$18,444
CUSTOMER REFUNDS	\$653	\$62,785	\$10,042	\$39	\$621	\$50	\$74,190
BLDGSGROUNDS IMPROVEMENTS	\$19,741	\$9,704	\$3,600	\$2,063	\$48,851	\$1,160	\$85,119
TAXES	\$0	\$33,809	\$4,030	\$0	\$7,642	\$0	\$45,481
AUTHORIZATIONS	\$155,720	\$122,204	\$45,550	\$79,608	\$336,502	\$3,449	\$745,033
O/S CONTRACTORS	\$0	\$174	\$660,693	\$388,409	\$74,818	\$5,670	\$1,109,764
TOTAL CLAIMS/CHECKS:	\$1,187,044	\$519,856	\$1,610,918	\$1,356,134	\$1,202,300	\$409,957	\$5,685,360
REIMB. FOR SEWER RENTS	\$0	\$0	\$0	\$0	\$0	\$0	\$600,849
DISTRIBUTIONS TO MUNIS	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GRAND TOTAL:	\$1,187,044	\$519,856	\$1,610,918	\$1,356,134	\$1,202,300	\$409,957	\$6,286,209

**WESTCHESTER JOINT WATER WORKS
GENERAL FUND ACCOUNTS
TUESDAY, MARCH 23, 2021**

CASH BALANCE IN STERLING NATIONAL BANK:

GENERAL FUND	3/1/2021	\$	3,991,925.20
MONEY MARKET	3/1/2021	\$	1,207,069.72
TOTAL:		\$	5,198,994.92

**NET ACTIVITY: FROM 3/1/2021 TO 3/23/2021
STERLING NATIONAL BANK**

\$	(321,652.47)
\$	(321,652.47)

CASH AVAILABLE TO PAY CLAIMS:

GENERAL FUND:	3/23/2021	\$	3,670,272.73
MONEY MARKET	3/23/2021	\$	1,207,069.72
TOTAL:		\$	4,877,342.45

LESS: UNAPPROVED CLAIMS:

\$ (292,979.19)

OUTSTANDING CHECKS PRIOR PERIODS:

\$ (753,131.50)

CASH BALANCE AFTER PAYING CLAIMS: \$ 3,831,231.76

CLAIMS PAYABLE:

DATE	FROM	TO	
10-Mar-21	2103113	2103128	\$ 99,491.21
Check Nos.	61483	61497	
16-Mar-21	2103129	2103178	\$ 128,921.95
Check Nos.	61498	61547	
17-Mar-21	2103184	2103202	\$ 64,566.03
Check Nos.	61548	61566	
TOTAL CLAIMS PAYABLE:			\$ 292,979.19

PAYROLL CLAIMS

(ZERO BALANCE CHECKING ACCOUNT)

DATE	FROM	TO	
10-Mar-21	2103108	2103112	\$ 57,408.56
Check Nos.	2254	2254	
17-Mar-21	2103179	2103183	\$ 59,569.43
Check Nos.	2255	2255	

TOTAL PAYROLL CLAIMS: \$ 116,977.99

TOTAL ALL CLAIMS: \$ 409,957.18

Prepared by: _____ David Birdsall, Business Director

Submitted by: _____ David Birdsall, Business Director

Approved by: _____ Nancy Seligson, Chairperson
Board of Trustees

VB REFERENCE	VENDOR NAME.....	AMOUNT DUE	DESCRIPTION
002103184	AIRGAS, INC	196.84	(4) CYLINDERS LEASE/DISTRIBUTION
002103129	AAA EMERGENCY SUPPLY C	1,152.00	(4) 3.5 SPECIAL FEMALE SWIVEL/DISTRIBUTION
002103130	B & A AUTOMOTIVE INC	47.90	2/2/21 16 FORD EXPLORER/WIPER BLADES
002103131	B & A AUTOMOTIVE INC	90.65	2/3/21 20 FORD TRANSIT 150 / OIL CHANGE
002103132	B & A AUTOMOTIVE INC	1,277.07	2/3/21 14 FORD EXPL/TRANSM SRV;TUNEUP;INSP;OIL CH
002103133	B & A AUTOMOTIVE INC	564.90	2/12/21 07 GMC SIER/ROAD SERVICE/BATTERIES DEAD
002103134	B & A AUTOMOTIVE INC	2,658.85	2/16/21 07 GMC/TRANSMISSION SERV/TIRES//REVERS TI
002103135	B & A AUTOMOTIVE INC	43.90	2/18/21 11 FORD F-350 SD/WIPER BLADES
002103136	B & A AUTOMOTIVE INC	1,931.27	2/19/21 19 FORD F-350 BRAKES/TIRES/ALIGNMENT/OIL
002103137	B & A AUTOMOTIVE INC	1,301.62	2/22/21 14 FORD ESC/BALANCE/TIRES ROTATE/LOW COOLA
002103138	BURQUIP TRUCK BODIES &	185.00	1) 8' FISHER CUTTING EDGE
002103113	CABLEVISION LIGHTPATH,	1,375.79	2/1/21-2/28/21 INTERNET WJWW OFFICE
002103139	CARMEL WINWATER WORKS	4,828.50	HYMAX CLM 4X15;8X15;6X15 / INVENTORY
002103140	CARMEL WINWATER WORKS	93.50	GASKET KIT, UNIPLANGE/WOODSIDE TANK
002103185	CITIBANK	306.97	FEBRUARY 2021 APPLE; ADOBE EXPORT; GAS-P.KUTZY
002103141	CITY OF YONKERS	7,581.00	MONTHLY BACTERIOLOGICAL WATER SAMPLES
002103142	CONCRETE EXPRESS OF NY	13,975.50	K-CRETE FOR ROAD REPAIRS/VARIOUS LOCATIONS
002103143	CONCRETE EXPRESS OF NY	18,253.25	K-CRETE FOR ROAD REPAIR / VARIOUS LOCATIONS
002103114	CON EDISON -PRV DISTR	61.18	1/22/21-2/23/21 ELECTRICITY PRV PURITAN RD
002103144	CON EDISON -PRV DISTR	306.67	1/22/21-2/23/21 TIMBER TRAIL PRV ELECTRICITY
002103186	CON EDISON -PRV DISTR	404.81	2/8/21-3/10/21 ELECTRICITY 1000 WESTCHESTER PRV
002103187	CORE & MAIN LP	523.72	PIPE;VENT SCR - ANDERSON H R & LAKE ST VAULTS
002103188	CORE & MAIN LP	1,800.00	(12) METER ADAPTERS
002103145	COYNE CHEMICAL CO., IN	2,849.09	(48) ACCUTABS SI WEAVER ST PLANT
002103189	DAKOTA SUPPLY CORP	1,616.00	CONCRETE V/M 525 FENIMORE RD/SERVICE RENEWAL
002103146	DOLPH ROTFELD ENGINEER	210.00	A1364 JOINT RYE LAKE FILTRATION FACILITY
002103115	FEDERAL EXPRESS CORP.	126.60	2/26/21 & 3/2/21 FEDEX STERLING BANK;ENGINEERED FL
002103147	FEDERAL EXPRESS CORP.	94.47	3/3/21;3/8/21;3/11/21 STERLING NAT. BANK/KLICK & P
002103190	FERGUSON ENTERPRISES,	4,186.00	(13) 1 METER YOKE
002103191	GREATAMERICA FINANCIAL	206.22	2/1/21-2/28/21 XEROX C8045 COPIER AGREEMENT
002103192	THE T/V OF HARRISON	12,450.00	T/H PURCHASE ST/REPLACE HYDRANT/POLICE TRAFFIC
002103148	HOME DEPOT	262.85	JANUARY 2021 TAPCON,CUTTER;HOSE;EXT CORD
002103149	HUNTINGTON POWER	1,707.00	LABOR WINGED FOOT GOLF CLUB/BATTERY/POST TERMINALS
002103150	K.R.B.VAC & JANITORIAL	588.30	FEBRUARY 2021 MISC ITEMS FOR DISTRIBUTION/PLANTS
002103151	LANZA'S ELECTRICAL CON	1,260.00	2/25/21& 2/26/21 PARK LANE/WALL PACKS TO LED SPOTS
002103152	LANZA'S ELECTRICAL CON	4,410.00	2/19-2/26 RYE LAKE PUMP/LOSS POWER/ELECTRIC HEATER
002103116	W.B. MASON CO.INC.	3,263.69	FEBRUARY 2021 OFFICE SUPPLIES/CABLE, PAPER, INK,TON
002103117	MATRIX IMAGING SOLUTIO	2,118.53	FEBRUARY 21 BASE/ADD PAGES;PUBLIC NOTIFICATION
002103153	MATRIX IMAGING SOLUTIO	7,500.00	MARCH 2021 POSTAGE ACCOUNT
002103118	MCCARTHY FINGAR LLP	4,583.33	APRIL 2021 PROF SERVICES /ANNUAL RETAINER
002103119	STATE OF NEW YORK	80,258.32	APRIL 2021 HEALTH INSURANCE PREMIUM
002103193	NY POWER AUTHORITY	27,252.67	FEBRUARY 21 ELECTRICAL POWER/ALL FACILITIES
002103154	PKF O'CONNOR DAVIES, L	19,000.00	AUDIT OF FINANCIAL STATEMENT OF WJWW END DEC31,20
002103194	PARACO GAS	1,567.48	2/19/21 (920) PROPANE RYE LAKE HEAT
002103155	MARY POLVERE	168.00	UNITED STATES POSTAL SERVICES
002103156	POLLARDWATER	3,657.60	PILOT BLADE DUAL/TRUCK FLUSHER/HYDRANT FLUSHING
002103195	POLLARDWATER	30.50	(2) LF 3/4 TO 1 ADAPTER/METER PARTS
002103120	U.S. POSTAL SERVICE	245.00	2021 FEE FOR PRIVILEGE TO MAIL AT PRESORTED PRICE
002103196	PRINTCRAFT, INC	195.14	(2,500) WINDOW ENVELOPES
002103121	PATRICK REYNOLDS	50.31	CUST REFUND DUE OVERPAYMENT ON ACCOUNT
002103157	ROCKET SOFTWARE INC	1,920.00	(15) D3 CLIENT MAINTENANCE RENEWAL 06/1/21-5/31/22
002103158	SIGNS PLUS CORP	110.00	(2) PUBLIC NOTICE FOR TOWN OF HARRISON
002103159	SIGNS PLUS CORP	270.00	60"X30" SIGN FOR RYE LAKE FACILITY
002103160	SHANNON CHEMICAL CORP	9,472.00	WATER TREATMENT COMPOUND / RYE LAKE

VB REFERENCE	VENDOR NAME.....	AMOUNT DUE	DESCRIPTION
002103161	SPRAGUE OPERATING RESO	584.46	2/18/21 (309) GALS OF BIOHEAT/LARCHMONT PLANT
002103162	TOTAL TECHNOLOGY SOLUT	742.50	MARCH 2021 HOSTED EMAIL W/OUTLOOK
002103163	TOTAL TECHNOLOGY SOLUT	3,745.00	APRIL 2021 ESP MANAGED SERVER & DECKTOP MAINTENANC
002103123	TYCO INTEGRATED SECURI	4,805.94	QUARTERLY SECURITY SYSTEM/VARIOUS LOCATIONS
002103124	TOLLS BY MAIL	4.16	1/12/21 NY BA1144/OPERATION - NEW ROCHELLE BR
002103164	TOWN OF MAMARONECK	905.74	2020 AUGUST 20 FENIMORE RD-EMERGENCY WATER MAIN BR
002103197	TOWN OF MAMARONECK	8,604.53	2020 T/M FENIMORE RD/EMERG WATER MAIN BREAK REP
002103165	TOWN OF HARRISON	600.00	FEBRUARY 21 ROAD OPENING PERMITS
002103166	U LINE	116.38	(6) 60" QUICK CHANGE MOP HANDLE-GRAY
002103167	UNITED METRO ENERGY CO	612.84	2/27/21 (300) GALS OF GASOLI/WJWW VEHICLES
002103125	VERIZON	176.99	2/28/21-3/27/21 FIOS INTERNET RYE LAKE
002103126	VERIZON	164.99	2/28/21-3/27/21 FIOS INTERNET 830 LAKE ST
002103168	VERIZON	231.53	3/7/21-4/6/21 INTERNET & TELEPHONE/PURCHASE ST
002103169	VERIZON	384.62	2/4/21-3/3/21 WEAVER ST PLANT/INTERNET & PHONE
002103198	VERIZON	201.99	3/11/21-4/10/21 ALARM OFFICE
002103127	VERIZON BUSINESS FIOS	169.99	2/28/21-3/27/21 FIOS INTERNET OFFICE
002103199	VERIZON BUSINESS FIOS	30.16	3/6/21-4/5/21 PHONE LINE FOR GENERATOR
002103128	VERIZON WIRELESS	2,086.39	2/27/21-3/26/21 WJWW EMPLOYEE MOBILE PHONES
002103170	VILLAGE OF MAMARONECK	6,050.00	2/4/21-2/8/21 HALSTEAD AVE/POLICE TRAFFIC CONTROL
002103171	VILLAGE PAINT SUPPLY I	117.94	PAINT FOR RYE LAKE STATION
002103172	VILLAGE PAINT SUPPLY I	69.95	PAINT FOR RYE LAKE PLANT / CHEMICAL ROOM
002103173	VITOLITE ELECTRIC SALE	727.85	A1373 JOINT PURCHASE BOOSTER STATION PRV MODIF
002103174	VITOLITE ELECTRIC SALE	371.34	ELECTRICAL SUPPLIES / PURCHASE BOOSTER STATION
002103175	VITOLITE ELECTRIC SALE	16.86	ELECTRICAL SUPPLIES / RYE LAKE STATION
002103176	VITOLITE ELECTRIC SALE	95.81	A1373 JOINT PURCHASE BOOSTER STATION PRV MODIF
002103177	WESTERN PEST SVCS	89.00	MARCH 2021 MONTHLY PEST CONTROLS SERVICE
002103200	WIDMER TIME RECORDER C	200.50	3/3/21 WID S-3 CHECK SIGNER SERVICE
002103178	WOODARD & CURRAN INC.	5,689.24	2021 SCADA SERVICE & OPERATION TECH ASS THRU 2/5
002103201	WASP ENGINEERING GROUP	2,377.50	3/1/21-3/15/21 PROF TECH SERVICES/VARIOUS LOCATION
002103202	WASP ENGINEERING GROUP	2,415.00	A1366 JOINT ANDERSON HILL ROAD PRV #1/PROF TECH SR

**

292,979.19

*

09 002103108	STERLING NATIONAL BANK	14,832.28	#10 P/E 3/06/21 FEDERAL PAYROLL TAXES WITHHOLDING
09 002103179	STERLING NATIONAL BANK	15,740.96	#11 P/E 3/13/21 FEDERAL PAYROLL TAXES WITHHOLDING
09 002103109	NYS DEFERRED COMPENSAT	2,625.39	#10 P/E 3/06/21 NYS DEFERRED COMP
09 002103180	NYS DEFERRED COMPENSAT	2,481.79	#11 P/E 3/13/21 NYS DEFERRED COMP
09 002103110	NYS INCOME TAX	2,745.44	#10 P/E 3/06/21 NYS PAYROLL TAXES WITHHOLDING
09 002103181	NYS INCOME TAX	2,915.32	#11 P/E 3/13/21 NYS PAYROLL TAXES WITHHOLDING
09 002103111	PAYROLL	36,741.85	#10 P/E 3/06/21 PAYROLL SUMMARY
09 002103182	PAYROLL	37,967.76	#11 P/E 3/13/21 PAYROLL SUMMARY
09 002103112	UTILITY WORKER UNION L	463.60	#10 P/E 3/06/21 UNION DUES
09 002103183	UTILITY WORKER UNION L	463.60	#11 P/E 3/13/21 UNION DUES

**

116,977.99

*

409,957.18

[405] 94 items listed out of 23146 items.

For Billings As Of: 3/18/2021
For Cash Received As Of: 3/18/2021

Date	Percentage of Receivable Balance Over 60 Days	Total # of Accts Over 60 Days	Total Balances Over 60 Days	Village of Mamaroneck		Town of Mamaroneck		Town/Village of Harrison		City of Rye		City of New Rochelle	
				# of Accts	Overdue Balance	# of Accts	Overdue Balance	# of Accts	Overdue Balance	# of Accts	Overdue Balance	# of Accts	Overdue Balance
11/21/19	17%	1,140	\$ 377,003	484	\$ 129,787	144	\$ 66,769	475	\$ 161,599	33	\$ 16,450	4	\$ 2,399
12/13/19	25%	1,168	\$ 390,067	365	\$ 100,741	177	\$ 54,526	601	\$ 218,308	19	\$ 13,943	6	\$ 2,548
01/10/20	18%	1,082	\$ 281,213	360	\$ 108,817	235	\$ 29,849	457	\$ 126,927	25	\$ 12,967	5	\$ 2,654
01/24/20	25%	1,369	\$ 362,513	515	\$ 136,121	177	\$ 11,000	636	\$ 197,363	37	\$ 15,090	4	\$ 2,938
02/07/20	25%	1,288	\$ 353,307	407	\$ 113,556	286	\$ 31,884	566	\$ 192,220	24	\$ 11,997	5	\$ 3,650
02/21/20	23%	1,384	\$ 361,472	533	\$ 135,968	209	\$ 6,870	599	\$ 205,690	39	\$ 10,464	4	\$ 2,480
03/06/20	24%	1,258	\$ 330,590	442	\$ 119,285	319	\$ 31,969	455	\$ 166,008	35	\$ 10,383	7	\$ 2,945
03/27/20	23%	1,360	\$ 372,036	503	\$ 131,077	229	\$ 17,923	589	\$ 209,838	33	\$ 10,446	6	\$ 2,752
04/09/20	26%	1,549	\$ 429,284	422	\$ 125,210	308	\$ 32,063	784	\$ 259,535	28	\$ 9,055	7	\$ 3,421
05/08/20	24%	1,663	\$ 298,710	466	\$ (13,119)	316	\$ 33,088	843	\$ 272,844	32	\$ 2,287	6	\$ 3,610
05/21/20	20%	1,415	\$ 337,119	455	\$ 19,396	222	\$ 27,457	700	\$ 274,797	33	\$ 11,761	5	\$ 3,709
06/05/20	16%	1,296	\$ 350,696	398	\$ 8,409	263	\$ 40,925	601	\$ 287,246	28	\$ 10,234	6	\$ 3,880
06/18/20	28%	1,238	\$ 538,921	433	\$ 55,064	215	\$ 35,243	565	\$ 435,010	21	\$ 9,942	4	\$ 3,663
07/10/20	16%	1,026	\$ 499,408	317	\$ 7,091	235	\$ 48,540	450	\$ 429,579	19	\$ 9,705	5	\$ 4,493
07/23/20	17%	1,096	\$ 573,745	407	\$ 34,341	187	\$ 40,861	475	\$ 483,299	23	\$ 11,534	4	\$ 3,710
08/10/20	17%	1,076	\$ 612,077	316	\$ 20,224	219	\$ 60,089	524	\$ 519,028	13	\$ 9,601	4	\$ 3,136
08/20/20	14%	1,242	\$ 602,277	396	\$ 54,087	376	\$ 52,359	451	\$ 480,623	15	\$ 11,939	4	\$ 3,269
09/03/20	18%	1,079	\$ 555,207	331	\$ 37,437	217	\$ 79,674	513	\$ 423,066	12	\$ 10,780	6	\$ 4,251
09/17/20	21%	1,061	\$ 689,958	403	\$ 66,343	155	\$ 55,045	473	\$ 549,349	24	\$ 14,978	6	\$ 4,243
10/08/20	21%	1,026	\$ 719,397	319	\$ 51,733	189	\$ 77,073	492	\$ 575,143	20	\$ 10,070	5	\$ 5,379
10/22/20	21%	923	\$ 664,856	368	\$ 98,423	136	\$ 55,660	390	\$ 493,389	24	\$ 12,946	5	\$ 4,438
11/05/20	26%	963	\$ 531,395	325	\$ 74,845	206	\$ 82,479	410	\$ 359,031	17	\$ 10,356	5	\$ 4,684
11/19/20	22%	914	\$ 576,828	320	\$ 86,008	150	\$ 59,801	415	\$ 409,867	24	\$ 17,176	5	\$ 3,977
12/10/20	33%	1,113	\$ 715,599	335	\$ 96,535	177	\$ 68,044	575	\$ 531,816	19	\$ 14,779	7	\$ 4,425
01/08/21	49%	858	\$ 717,116	246	\$ 117,309	90	\$ 29,348	500	\$ 557,384	18	\$ 14,097	4	\$ (1,021)
01/22/21	39%	974	\$ 729,309	372	\$ 138,995	54	\$ 20,011	509	\$ 553,650	39	\$ 18,005	1	\$ (1,352)
02/05/21	43%	814	\$ 681,554	263	\$ 125,359	152	\$ 28,754	360	\$ 512,685	31	\$ 15,858	8	\$ (1,103)
02/19/21	39%	941	\$ 703,002	362	\$ 142,086	98	\$ 10,975	447	\$ 540,133	29	\$ 11,124	5	\$ (1,317)

Commercial Backflow Status

3/18/2021

("Commercial" includes: Commercial, Industrial, Institutional, Apartment Buildings & Multi-family 3+ residences)

Hazard Category	Level	Has BFD	%	In Process of Applying for or Installing BFD	Ordered to Install BFD due to No Response	%	Under Review Based on Use/Activities	%	Requested Use Info	%	Totals
Dental/Veterinary/Medical Related Activities	High	54		0	2		0		0		56
Industrial/Chemical Using Related Activities	High	118		4	1		0		0		123
Subtotal High Hazard		172	96%	4	2%	2%	0	0%	0	0%	179
Auto or Repair/Boat Servicing Activities	Medium	85		0	3		0		0		88
Restaurant/Food/Club Related Activities	Medium	158		0	8		0		0		166
Office/Retail/Warehouse Related Activities	Medium	318		10	48		0		0		376
Subtotal Medium Hazard		561	89%	10	2%	9%	0	0%	0	0%	630
Apartment Building (3+ Units)	Low	82		3	4		0		260		349
Subtotal Low Hazard		82	23%	3	1%	1%	0	0%	260	74%	349
Use To Be Determined/Identified		0		0	17		0		0		17
Subtotal Use To Be Determined/Identified Hazard	TBD	0	0%	0	17	100%	0	0%	0	0%	17
Totals		815		17	83		0		260		1175
% of Total		69%		1%	7%		0%		22%		100%

Residential Backflow Status (Res-1 family & Res-2 family)

Municipality	Has BFD	%	In Process of Applying for or Installing	BFD	%	Communication Has occurred Between WJWW & Customer Regarding BFD	%	Under Review Based on Use/Activities	%	Totals
Village of Mamaroneck	425	12%	6	6	0%	295	8%	2938	80%	3664
Town of Mamaroneck	519	17%	9	9	0%	486	16%	1979	66%	2993
T/V of Harrison	1424	24%	25	25	0%	140	2%	4232	73%	5821
City of Rye	55	16%	0	0	0%	5	1%	278	82%	338
City of New Rochelle	2	3%	0	0	0%	0	0%	69	97%	71
Totals	2425		40	40		926		9496		12887
% of Total	19%		0%	0%		7%		74%		100%

**COMMITMENT & INTEGRITY
DRIVE RESULTS**

Woodard & Curran Engineering and
Geological Services P.A. P.C.
800 Westchester Avenue | Suite N507
Rye Brook, New York 10573
www.woodardcurran.com

T 800.807.4080
T 914.448.2266
F 914.448.0147

March 17, 2021



Paul Kutzy, P.E., Manager
Westchester Joint Water Works
1625 Mamaroneck Ave
Mamaroneck, NY 10543

Re: SCADA System Upgrades Proposal

Dear Mr. Kutzy:

Woodard & Curran Engineering and Geological Services P.A. P.C. (W&C) is pleased to provide the Westchester Joint Water Works (WJWW) with this proposal to upgrade the existing SCADA computer system. Our proposal includes procuring, configuring, and implementing new SCADA computer hardware, computer and SCADA software, and networking and security devices.

This proposal consists of background information, a base scope that we recommend be done to assure the security, reliability, and integrity of the SCADA system, and additional options that can be done as desired to improve operational efficiencies.

BACKGROUND

Enhanced Security and SCADA Computer Upgrades

From a security perspective, the existing equipment is outdated (installed in 2012) and does not include the latest security capability and threat definitions. The threat landscape is always changing, and Next Generation Firewalls (NGFWs) combine multiple security technologies including intrusion prevention, application visibility, and web security. They also include a connection to regularly receive updated threat definitions, so they are prepared to identify the latest known threats.

To better align with current best practices, a Demilitarized Zone (DMZ) should be created at the Office location to support Remote Access to the SCADA system. The DMZ will essentially act as a "middleman" between the SCADA system and the outside world. External users will remotely connect to the WJWW system via the VPN Tunnel but will be directed to the DMZ instead of passing straight through to the SCADA network. This ensures that no user connects from the outside and gains direct access to the WJWW SCADA system. From the DMZ, they will launch the SCADA software. The DMZ will reach into the SCADA system to gather any data an outside user needs, then the outside user can access this data from the DMZ. The DMZ computer will include engineering tools allowing Woodard & Curran to remotely troubleshoot and maintain the SCADA system.

Engineering tools on the DMZ will include Rockwell Studio 5000 to allow W&C to remotely troubleshoot and maintain the PLC's. This also enhances security because W&C can use the secure DMZ even when on site, which would make it unnecessary to connect a W&C laptop computer to the SCADA network.

NOTE: This price is broken out below because this is not a necessity nor is it included in the current system. It is recommended.

The existing SCADA computers are also outdated using Windows 7 operating system (OS). The Windows 7 OS is no longer supported or updated by Microsoft, therefore vulnerabilities in the operating system are no longer being patched. Other software, including reporting and alarming, will be upgraded as required to support the upgraded Windows OS.

Also, the SCADA system currently uses GE iFix Classic Historian. Support for this is at end-of-life with GE, plus Classic Historian is flat file priority storage. The latest Historian is GE Proficy Historian - a true



database which allows connections from 3rd party applications (Excel for example) to download and view SCADA data. The database tools include increased options for management as well as data backup and recovery. An additional benefit is the historian will log alarms to the database to allow users to run queries against alarm history.

NOTE: Due to the size of the SCADA database, a 2500-point historian is required for this system. This price is broken out below because this is not a necessity but is recommended because without this upgrade, a reduction in data points from the current stored would be required.

Also proposed will be the installation of GE Webspaces in the system rather than iFix licenses at the Purchase and Rye Lake pump stations. Webspaces Client allows low-cost PC hardware because the Client will connect to the Webspaces server to view the HMI and will not have resource intensive HMI software installed locally. Webspaces will launch individual HMI sessions to users via a web browser. This will eliminate logging in and "sharing the mouse" with another remote user or operator locally at the station.

SCOPE OF WORK

Enhanced Security and SCADA Computer Upgrades

Woodard & Curran will specify & procure:

WJWW Office:

- One PC for SCADA 1:
SCADA 1 will include the latest versions of Windows OS, GE iFix, XL Reporter, and WIN911 alarm software.
- One PC for the DMZ Server:
DMZ Server will include the latest versions of GE Webspaces Host, GE Proficy Historian, and Engineering Tools for PLC and HMI programming.
- One Next Gen Firewall for VPN Tunnel
- One Layer 3 Switch

Weaver Street Pump Station:

- One PC for SCADA 2:
SCADA 2 will include the latest versions of Windows OS, GE iFix, XL Reporter, and WIN911 alarm. The KVM will not be required and will be eliminated.
- One Next Gen Firewall for VPN Tunnel
- One Layer 3 Switch

Purchase Street Pump Station:

- One PC for SCADA 3:
SCADA 3 will include the latest versions of Windows OS and GE Webspaces Client.
- One Next Gen Firewall for VPN Tunnel
- One Layer 3 Switch

Rye Lake Pump Station:

- One PC for SCADA 4:
SCADA 4 will include the latest versions of Windows OS and GE Webspaces Client.
- One Next Gen Firewall for VPN Tunnel
- One Layer 3 Switch



Woodard & Curran will perform the following Implementation tasks:

- Download/Transfer the existing files and programs to the new computers.
- Configure the new computers.
- Install and license all the updated software.
- Upload files and programs.
- Test system functionality prior to installation.
- Deploy on-site, test operation and functionality.

ASSUMPTIONS / EXCLUSIONS

The SCADA software will be upgraded as is. That is, this Scope does not include modifications or enhancements to the applications except as necessary to accomplish the tasks outlined in this scope.

PROJECT BUDGET

Woodard & Curran proposes to perform the work described above for the following fees. This work will be conducted in accordance with the Terms & Conditions executed July 14, 2020.

Enhanced Security and SCADA Computer Upgrades

Hardware, Software & Licensing	\$ 67,375
Rockwell Studio 5000 Professional	10,000
GE Proficy Historian 2500	13,500
Programming, Startup & Training	<u>68,125</u>
TOTAL:	\$159,000

Please note that the above price for the Enhanced Security and SCADA Computer Upgrades includes the first year of support for the following software. The estimated yearly support cost in subsequent years will be **\$13,500**.

Office Firewall	Purchase St Firewall
Office Layer 3 Switch	Purchase St Layer 3 Switch
Office Client Access License (20 user)	Rye Lake Firewall
Office GE iFix Developer	Rye Lake Layer 3 Switch
Office GE iFix IGS I/O Driver	Weaver St Firewall
Office GE Proficy Historian	Weaver St Layer 3 Switch
Office Rockwell Studio 5000 Pro	GE iFix Runtime
Office Webspace (5 user)	GE iFix IGS I/O Driver
Office XL Reporter	

PROJECT BUDGET - PHASED APPROACH

While Woodard & Curran recommends that all the work outlined in the above proposal be performed as soon as possible to assure the security, reliability, and integrity of the SCADA system, if it is desired or necessary to break the work into phases for budget considerations, then the phases would be as follows:



Phase 1: Upgrade Firewalls and Switches in all Locations

Hardware, Software & Licensing	\$ 14,567
Programming, Startup & Training	<u>21,464</u>
TOTAL Phase 1:	\$ 36,031

Phase 2: Install DMZ at the Office Location

Hardware, Software & Licensing	\$ 15,433
Programming, Startup & Training	<u>13,065</u>
TOTAL Phase 2:	\$ 28,498


Phase 3: Upgrade SCADA Computers and Software in all Locations

Hardware, Software & Licensing	\$ 64,440
Programming, Startup & Training	<u>30,031</u>
TOTAL Phase 2:	\$ 94,471


We appreciate the opportunity to provide this proposal for your consideration. If you have any questions, please do not hesitate to contact me at (914) 246-2931 or Paul Couture at (401) 484-6106.

Sincerely,

WOODARD & CURRAN ENGINEERING AND GEOLOGICAL SERVICES P.A. P.C.



Anthony C. Catalano, P.E., BCEE
Principal



Paul G. Couture, PMP
Project Manager

ACC/cc

SEEN AND AGREED:

Date



Westchester Joint Water Works

1625 Mamaroneck Avenue
Mamaroneck, New York 10543
www.wjww.com

Telephone: (914) 698-3500
Fax: (914) 381-4241
Fax: (914) 381-0349

RESOLUTION ADOPTING A DRAFT SCOPE FOR THE EIS ON THE FILTRATION PLANT AND PROVIDING AN OPPORTUNITY FOR PUBLIC PARTICIPATION AT A PUBLIC SCOPING SESSION

WHEREAS, on January 28, 2020 Westchester Joint Water Works adopted a Positive Declaration under the New York State Environmental Quality Review Act in connection with the proposed Filtration Plant which has triggered the need for preparation of an environmental impact statement ("EIS") for the review of any potentially significant adverse impacts that may result from the project; and

WHEREAS, in accordance with 6 CRR-NY 617.8, prior to initiating work on a Draft Environmental Impact Statement WJWW must prepare and provide a copy of a draft scope to all Involved Agencies for comment and also make the draft scope available to any interested agency or individual that has expressed interest; and

WHEREAS, WJWW must also provide an opportunity for public participation in the scoping process and establish deadlines for the receipt of all comments on the draft scope as a prerequisite to adopting a final scope for the Draft Environmental Impact Statement.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Trustees of the Westchester Joint Water Works hereby adopts a Draft Scope dated March 23, 2021 and authorizes its distribution in accordance with 6 CRR-NY 617.8; and

BE IT FURTHER RESOLVED that the Board of Trustees of the Westchester Joint Water Works calls for a public scoping session to occur on April 13, 2021 at 5:00 p.m. and establishes the final day for the submission of comments on the draft scope as April 23, 2021.

Moved By: _____

Seconded By: _____

Vote: _____

I, Mary Polvere, duly appointed and qualified as Secretary to the WJWW Board of Trustees, do hereby CERTIFY that the foregoing resolution was adopted at a meeting duly called and held in accordance with all mandatory orders and rules of the Governor of New York State in connection with the statewide health emergency due to COVID-19, a quorum being present on the 23rd day of March, 2021 and that said copy is a true, correct and compared copy of the original resolution so adopted and that the same has not been

revoked or rescinded.

WITNESSETH, my hand this 23rd day of March, 2021

Signed: _____

Mary Polvere
Secretary to Board of Trustees
Westchester Joint Water Works
1625 Mamaroneck Avenue
Mamaroneck, NY 10543

Westchester Joint Water Works

**Water Filtration Plant
Town of Harrison, New York
Draft Scope
For Preparation of a
Draft Environmental Impact Statement (DEIS)**

Westchester Joint Water Works

Draft Scope Filing Date: March 23, 2021

Scoping Hearing Date: April 13, 2021

Last Date to Submit Comments: April 23, 2021

Classification of Action: Unlisted

Lead Agency: Westchester Joint Water Works
1625 Mamaroneck Ave
Mamaroneck, NY 10543

This document identifies the environmental topics to be addressed in the Draft Environmental Impact Statement (“DEIS”) for the proposed Westchester Joint Water Works (WJWW) Filtration Plant (the “Project”) in the Town of Harrison, New York, proposed by Westchester Joint Water Works (“WJWW,” the “Applicant,” the “Project Sponsor,” and the “Lead Agency”). This Scope document meets the requirements of 6 NYCRR Part 617.8 (e) (1) through (7). For the purposes of this Scope, the term “Action” means the proposed construction and operation of the Project and all related funding, real estate transactions, approvals and permits.

A. DESCRIPTION OF PROPOSED ACTION

Background

Westchester Joint Water Works is a non-profit public benefit corporation consisting of the member municipalities of the Village of Mamaroneck, Town of Mamaroneck, and the Town/Village of Harrison. WJWW supplies water on a retail basis to its member municipalities and to portions of the City of Rye and the City of New Rochelle, serving a total retail population of over 59,000 persons from over 14,600 service connections. WJWW also sells water on a wholesale basis to the Village of Larchmont and Suez Water Westchester, which supplies water to the City of Rye, Village of Rye Brook, and Village of Port Chester.

The water supply for the WJWW system is obtained from the upstate Catskill and Delaware watersheds of the New York City water system. WJWW draws its water from two connections to the City system: (i) Shaft 22 of the NYCDEP Delaware Aqueduct in Yonkers and (ii) Rye Lake, the eastern portion of Kensico Reservoir, in Harrison. The Proposed Action is related to water drawn from Rye Lake.

The Rye Lake source water is currently treated with chlorine, fluoride, and corrosion inhibitor at the Rye Lake Pump Station (RLPS). The water is pumped to the Purchase Street Storage Tanks where pH adjustment occurs via the addition of sodium hydroxide.

In 1993, New York State Department of Health (NYSDOH) determined that Rye Lake does not meet the criteria established by the State for filtration avoidance. In response to this determination, WJWW took several steps to avoid the need for the construction of a costly filtration plant. These steps included improvements to its chlorination disinfection system and the construction of additional treated water storage capacity to provide additional disinfection contact time. The raw water intake was also moved farther into Rye Lake and placed at a greater depth to access higher quality water from the lake. In addition, a turbidity curtain was installed in the reservoir in the area where storm water runoff from Interstate 684 and the County Airport enters the reservoir in an effort to protect the raw water quality of the intake.

In an action brought by NYSDOH pursuant to section 12 of the Public Health Law, the State Supreme Court for Westchester issued an Order, entered on January 23, 2002, that granted NYSDOH’s motion for summary judgment, holding that WJWW violated the State Sanitary Code by failing to construct and operate a water filtration plant. The State Supreme Court’s Order was

affirmed on appeal in 2003. Upon remand, on June 9, 2004, the Supreme Court granted a permanent injunction requiring WJWW to construct the filtration plant (Judgment and Order of New York State Supreme Court Index No. 13364-99, Justice Louis A. Barone). The permanent injunction was upheld on appeal in 2005. It remains in effect today.

To comply with the injunction, WJWW prepared to proceed with construction of a membrane filtration plant. The plant was proposed to be located on a 13.4-acre parcel of property it owned in the Town of Harrison adjacent to the County Airport. The project was identified as a Type II action under the Type II category that is today codified at 6 N.Y.C.R.R. § 617.5(c)(35) (“a particular course of action specifically required to be undertaken pursuant to a judgment or order”). WJWW determined that it would submit the site plan for approval and follow the Town/Village of Harrison Planning Board process. Applications for local site plan and special exception use permits were submitted to the Planning Board, which issued a negative declaration under SEQRA and granted certain approvals on June 21, 2005. The final design of WJWW’s original water treatment plant was completed and approved by NYSDOH and the County Department of Health in 2006.

As a result of lawsuits brought on by a third party challenging different permits and approvals for the facility, the Planning Board rescinded its prior approvals and, notwithstanding the prior negative declaration, issued a positive declaration on June 11, 2007. In accordance with a scope determined by the Planning Board, WJWW proceeded to prepare a DEIS, which the Planning Board certified as complete on September 25, 2007. A public hearing was conducted on November 15, 2007, and WJWW prepared and submitted a draft FEIS in July 2008.

As part of the EIS process, WJWW explored alternatives to filtration including regional water treatment and conveyance options. After the FEIS was issued, there was significant interest among the Planning Board and other project stakeholders in a County-lead regional water treatment and conveyance alternative. These options were further evaluated by WJWW, but ultimately, the regional water utilities pursued treatment options that did not provide any option for WJWW to obtain treated water. With regional water treatment and conveyance options no longer available, WJWW then investigated the viability of another alternative to filtration of Rye Lake water consisting of construction of a pipeline for conveyance of treated water directly from New York City’s Shaft 20 in Yonkers. In 2016, the alternative was ultimately rejected due to its exorbitant cost at \$175 million and the identified potential impacts.

During this time period, USEPA adopted on January 4, 2006 a Stage 2 Disinfectants and Disinfection Byproducts (DBPs) Rule to provide increased public health protection against the potential risks associated with these compounds. DBPs are formed when natural organic matter in the raw water source interact with disinfectants such as chlorine. Stage 2 DBP byproduct chemicals include haloacetic acids and trihalomethanes. Because WJWW serves between 50,000 to 99,999 people, compliance with these new provisions is mandatory. Starting October 1, 2012, WJWW was required to monitor the maximum contaminant levels (MCL) for total trihalomethanes (TTHM) and haloacetic acids (HAA5). The MCLs for TTHM and HAA5 are 0.080 milligram per liter (mg/L) and 0.060 mg/L, respectively, on a Locational Running Annual Average

(LRAA) basis. The results submitted for the first, second, and third quarters of 2019 exceeded these MCLs.

On March 28, 2019, WJWW received a USEPA Administrative Order (AO) to submit a Corrective Action Plan (CAP) outlining provisions to be taken to achieve compliance with the MCLs. On November 26, 2019, the EPA issued a superseding Administrative Order (Index No. SDWA-02-2020-8001) which now, in addition to the Corrective Action Plan for the violation of the DBPs Rule, included an obligation to commence design of the proposed Rye Lake Filtration Plant and begin the SEQRA process by January 31, 2020, with the Filtration Plan to be operational by October 15, 2024.

Proposed Action

To comply with the USEPA Administrative Order and maintain the health and safety of its water customers, WJWW proposes to construct and operate a 30-MGD Dissolved Air Flotation/Filtration (DAFF) water filtration plant ("filtration plant" or "plant") for its nearby Rye Lake (Kensico Reservoir) water source. The filtration plant would include enhanced coagulation to would remove disinfection byproduct precursors to TTHM and HAA5, which would give WJWW a greater ability to routinely comply with the MCLs for TTHM and HAA5 as required by the Stage 2 Disinfectants and Disinfection Byproducts Rule.

The proposed plant would have the capacity to meet the maximum day water supply demand of the entire WJWW water system. The project would include the construction of a filtration facility, driveway, parking lot, utilities installation for water and sewer, and stormwater management features on a 13.4-acre project site. The sewer line for the project would tie into a County trunk line on Westchester County Airport property pursuant to an easement that would be granted by the County. As proposed, the filtration plant will be designed to treat water pumped from the RLPS and to supply finished water to the Purchase Street Storage Tanks. The proposed location for the filtration plant is on a portion of property currently owned by Westchester County and managed by the Westchester County Airport and accessed from Purchase Street (Map 1: Site Location).

Construction of the plant would require relocation of the existing Airport secondary fence line separating the site and Westchester County Airport. The facility building would be less than one acre. Proposed impervious features, including a driveway, parking lot, walkways, the facility itself and supporting utilities and ancillary facilities, would total approximately 2.4 acres.

The proposed filtration plant on land now owned by the County would require the acquisition of 13.4 acres of the Westchester County Airport property from the County. The County has advised WJWW that the best course of action would be a proposed equal land swap to result in no net loss of airport property. The 13.4 acre parcel of land for the filtration plant would be apportioned from the County Airport property and deeded to WJWW in exchange for WJWW deeding a contiguous 13.4 acre parcel in its ownership to the County for incorporation into the airport property (Map 2: Land Swap Properties).

Together, this work constitutes the Proposed Action.

List of Permits & Approvals

A number of permits and approvals would be required over the course of the project spanning local, state and federal agencies. WJWW would work with Westchester County on the approval of the land swap and deed agreements, as well as a sewer easement to locate a sewer line on the airport property. The Federal Aviation Administration would need to approve the modification of the airport footprint, and the Westchester County Department of Environmental Facilities would need to approve the required sewer connection. The filtration plant design would require approval of the NYS and County Department of Health, and a wetland permit from the US Army Corps of Engineers would also be required. In addition, WJWW will continue to coordinate with the State Supreme Court regarding compliance with its final injunction, and the USEPA regarding compliance with its administrative order.

Table 1 shows the anticipated list of permits and approvals that may be required for the proposed action:

TABLE 1: PERMITS & APPROVALS	
Government Entity / Agency	Approval(s) Required
USEPA	Compliance with Administrative Order SDWA-02-2020-8001
USEPA	Water Infrastructure Finance and Innovation Act (WIFIA) Program
United States Army Corp on Engineers (USACE)	Wetlands / Section 404 Clean Water Act
United States Fish and Wildlife Service (USFWS)	Section 7 Consultation
Federal Aviation Administration (FAA)	Notice of Proposed Construction or Alteration (FAA Form 7460-1)
NYSDEC	State Pollution Discharge Elimination System (SPDES) General Permit for Construction Activity
NYSDEC	SPDES Industrial Permit (NY-2C) for Process Emergency Overflow
NYSDEC	401 Water Quality Certification
NYSDEC	Freshwater Wetlands
Environmental Facilities Corporation / NYSDOH	Drinking Water State Revolving Fund Program
Environmental Facilities Corporation / NYSDOH	Water Infrastructure Improvement Act (WIIA) Grant Program
NYSDOH	Compliance with Judgment and Order of New York State Supreme Court Index No. 13364-99, Justice Louis A. Barone
NYSDOH	Approval of Treatment Process and Plant Design
New York State Office of Parks and Historic Preservation (NYSOPRHP)	State Historic Preservation Office (SHPO) Consultation

TABLE 1: PERMITS & APPROVALS	
Government Entity / Agency	Approval(s) Required
New York City Department of Environmental Protection (NYCDEP)	Stormwater Pollution Prevention Plan (SWPPP) review and approval
NYCDEP	Revocable Land Use Permit
Westchester County Department of Health (WCDOH)	Approval of Completed Works
Westchester County Board of Legislators	Approvals for obtaining property rights and sewer easements
Westchester Department of Public Works	Building Approvals and Road Permits
Westchester County Department of Environmental Facilities	Approval to Connect to County Sewer System
Westchester County Planning Board	Administrative Review
Town of Mamaroneck Town Board	Approval of Funding for Project
Village of Mamaroneck Town Board	Approval of Funding for Project
Town/Village of Harrison, Town Board	Approval of Funding for Project
Town/Village of Harrison Planning Board	Freshwater Wetlands Permit
Town/Village of Harrison Planning Board	Site Plan Approval
Town/Village of Harrison Town Board	Special Exception Use Permit
Town/Village of Harrison Architectural Board of Review	Architecture Approval
Town/Village of Harrison Building Department	Building Permit
Town/Village of Harrison Building Department	Tree Removal Permit
Town/Village of Harrison Engineer	Land Disturbance Approval
Town/Village of Harrison Engineer	Sewer Hookup
Note: The approvals listed from the Town/Village of Harrison and its Planning Board are without prejudice to any contention that the proposed Filtration Plant is exempt from obtaining such approvals under <i>Village of Munsey Park v. Manhasset-Lakeville Water District</i> , 150 A.D.3d 969 (2d Dep't 2017), and similar cases.	

B. SITE DESCRIPTION

The proposed site is 13.4 acres located on the east side of Purchase Street and west of the Westchester County Airport (Map 1: Site Location). Access to the site will be directly from Purchase Street.

The site of the proposed filtration plant is currently undeveloped and composed of trees and vegetation. The grade of the site slopes from south to north at an approximate 2.5 percent slope. Tree surveys conducted in August, September and November of 2019 and December 2020 concluded that there are no tree species that warrant special consideration during the construction of the filtration plant. In August 2014, a wetland delineation confirmed the presence of approximately two acres of wetland under both NYS DEC and USACE jurisdiction, through which runs an unnamed and unclassified stream. In August 2019, additional wetland delineations

were conducted to confirm the presence of these wetlands. The NY Natural Heritage Program did not identify any threatened or endangered species or critical habitats within or adjacent to the project site.

Predominant soils found on site include Woodbridge loam (WdB), Udorthents, smoothed (Ub) and Paxton fine sandy loam (PnB). The majority of the site contains slopes of less than 10% and bedrock was not encountered during a preliminary geotechnical investigation up to 50 feet below ground surface. Several preliminary studies were performed in 2019 including a Phase I Archaeological Survey, Phase I Environmental Site Assessment (Phase I ESA) and a Preliminary Geotechnical report, discussed below:

The Phase I Archeological Survey identified a broad scatter of mid-nineteenth through twentieth-century material in low densities in two clustered areas within the project site, a stone fence along the west side of the project site, and a post-1940s poured concrete slab. Given the low artifact density, disturbed deposits, age of artifacts recovered, and lack of buried cultural features, it was recommended that the recovered artifact assemblage does not represent a potentially significant archaeological resource. This recommendation was accepted by the NYS Office of Parks, Recreation and Historic Preservation. WJWW will submit again to the CRIS system to reflect the updated site plans which includes the sewer line easement.

The Phase I Environmental Site Assessment (ESA) consisted of performing a review of online and available existing documents, including record drawings and files from NYSDEC, Westchester County, Westchester County Airport, and the Town of Harrison, to obtain sufficient information that would assist in determining the environmental condition of the proposed project site. In addition, the Phase I ESA included a visual assessment of the current conditions at the proposed project site and adjoining areas. A site visit was conducted on November 20, 2019 to identify physical and programmatic constraints, observe field conditions, and develop a Phase I ESA report in general conformance with the requirements of ASTM Standard E 1527-13. The proposed project site was not identified on any of the environmental database listings that were searched. Two Recognized Environmental Conditions (REC), an Historic Recognized Environmental Condition (HREC), and two Business Environmental Risks (BER) were identified on or near the airport property, but further investigation did not detect or identify these conditions or risks within the boundaries of the proposed project site.

A preliminary subsurface exploration program was completed on November 22, 2019 and groundwater samples were collected on December 13, 2019 for the Preliminary Geotechnical Report. Two test pits and three test borings were performed at the project site to obtain preliminary environmental conditions and subsurface information about soil, rock, and groundwater conditions to determine requirements for foundation design, construction dewatering and excavation. Bedrock was not encountered at any of the sites, through groundwater was observed at one boring at approximately 30 feet below ground surface. Soil samples were tested for a number of compounds which were all detected below NYS DEC Environmental Remediation Program criteria for unrestricted use soil cleanup objectives, therefore there are no restrictions for the reuse of excavated subsoil and glacial till on or off site.

Finally, groundwater was tested for volatile organic compounds (VOCs) and SVOCs as well as perfluorinated alkyl acid (PFAA) compounds which are a sub-set of per- and polyfluoroalkyl substances (PFAS). None of these compounds were detected above laboratory detection limits, therefore no treatment for these compounds is warranted.

Classification of Action: *Unlisted*

Lead Agency:

**Westchester Joint Water Works
1625 Mamaroneck Ave
Mamaroneck, NY 10543**

Contact Person:

Paul Kutzy, P.E.

Manager

Westchester Joint Water Works

Telephone: 914-698-3500 x 612

Email: pkutzy@wjww.com

C. FRAMEWORK FOR ENVIRONMENTAL REVIEW

The State Environmental Quality Review Act (SEQRA), codified as Article 8 of the New York State Environmental Conservation Law, requires a Lead Agency to analyze the environmental impacts of proposed actions and, to the maximum extent practicable, avoid or mitigate potentially significant adverse impacts on the environment, consistent with social, economic, and other essential considerations. An Environmental Impact Statement (EIS) is a comprehensive document used to systematically consider environmental effects, evaluate a reasonable range of alternatives, and identify and propose mitigation, to the maximum extent practicable, of any significant adverse environmental impacts. The EIS provides a means for the lead and involved agencies to consider environmental factors and choose among alternatives in their decision-making processes related to a proposed action.

An EIS will be prepared in accordance with SEQRA and its implementing regulations found at 6 N.Y.C.R.R. Part 617.

Environmental Review Process

The Westchester Joint Water Works is the lead agency and project sponsor for the State Environmental Quality Review of the Action. Westchester Joint Water Works has determined that the proposed project may potentially result in significant adverse environmental impacts and has directed that an EIS be prepared.

Scoping initiates the EIS preparation process and is intended to provide an early opportunity for the public and other agencies to participate. The purpose of the scoping process is to focus the EIS on “potentially significant adverse impacts and to eliminate consideration of those impacts that are irrelevant or not significant.” 6 N.Y.C.R.R. § 617.8(a).

E. DRAFT EIS (“DEIS”) FORMAT

Unless otherwise directed by this Scope, the provisions of 6 N.Y.C.R.R. §617.9 apply to the content of the DEIS and are incorporated herein by reference.

The DEIS shall cover all items in this scope and will discuss all relevant and material facts. The DEIS will seek to identify reasonable alternatives to the proposed Action and to evaluate such alternatives.

Information will be presented in a manner that can be readily understood by the public. Narrative discussions will be accompanied by appropriate tables, charts, graphs and figures. Each potential environmental impact area will be presented in a separate section, which will include a discussion of existing conditions, impacts associated with the Proposed Action and any mitigation measures designed to minimize or mitigate any identified impacts. Highly technical material will be summarized and, if it must be included in its entirety, it will be referenced in the statement and included in an appendix.

The DEIS will be made available in both hard copy and electronic formats. The DEIS will be posted on the internet for agency and public review as required by law and printed copies will be distributed to all involved agencies and any party requesting a copy (a charge to cover the cost of printing maybe assessed to interested parties).

F. FORMAT AND SCOPE OF THE DEIS

Cover Sheet: The DEIS must begin with a cover sheet that identifies the following:

1. Identification of the document as a Draft Environmental Impact Statement;
2. The name and location of the Proposed Action;
3. WJWW as the Lead Agency and Project Sponsor for the Project, and the name, address, telephone number of the contact person for WJWW, and the SEQRA status (Unlisted);
4. The name, address and email address of the primary preparers of the DEIS, and a contact person representing the preparer;
5. The date the DEIS was accepted by the Lead Agency as complete;
6. The date of the public hearing on the DEIS and subsequent adjournments; and
7. The date before which public written comments on the DEIS are due.

List of Consultants Involved with the Project: The names, addresses and project responsibilities of all consultants involved with the project shall be listed.

Table of Contents: All headings that appear in the text should be presented in the Table of Contents along with the appropriate page numbers. In addition, the Table of Contents should include a list of figures, a list of tables, a list of appendix items, and a list of additional DEIS volumes, if any.

Chapter I Executive Summary: The major facts, analyses and conclusions contained in the main text will be summarized in the Executive Summary. No information shall be included in the Executive Summary that is not also contained in the main text.

Chapter 2 Project Description:

- A. Introduction
- B. Project Background, Need, Objectives and Benefits
 - a. Project Background. Provide brief description of the site and current application's history. Describe the proposed Project in the context of other buildings and uses on adjacent and nearby sites.
 - b. Public Need and Objectives. Discuss the goals of the proposed Project, including compliance with EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, and the Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004, and public health benefits and regulatory requirements. Describe the water quality issues that the Project is intended to address.
 - c. Benefits of the proposed Project. Provide discussion of the benefits to accrue from the proposed Project including public health benefits and compliance with EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004.
- C. Location and Site Conditions. Using appropriate mapping and/or tables, describe location of site, in terms of adjacent/nearby significant properties, districts, and services. Describe current site conditions and any constraining factors on redevelopment.
- D. Project Design and Layout
 - a. Overall Site Layout. At the level of detail required to undertake the requisite environmental impacts analysis, describe the proposed Project (including the proposed structure, square footages, and layout); utilities (including the general location of the proposed sewer and water lines, easements, and access points); parking, internal traffic flow; site quantities table; buffers/setbacks and salient features.
 - b. Locate and Describe Land Apportionment and Property Transfer Process. Explain the location of County and WJWW owned lands and describe the transfer of ownership process that would take place as an apportionment of the Project site by Westchester County in exchange for property owned by the Applicant to Westchester County. Available information about any anticipated future use of the land that would be deeded to the County will also be discussed.

- c. **Clearing, Grading and Drainage.** Describe the clearing and grading programs and associated areas cleared and disturbed, approximate volumes of soil excavated, cut/filled, removed from site, and the anticipated maximum depths of cut/fill. Describe site drainage and the proposed drainage system and provide capacity and function information, as necessary.
- d. **Parking, Vehicle Access and Road System.** Describe/discuss vehicle access point, internal roadway layout, traffic circulation, adequacy of on-site parking, conformance to design requirements.
- e. **Water Supply and Sanitary System.** Provide descriptions of water supply and proposed wastewater treatment systems and corresponding use of water supply and sanitary design flow; describe sizes and locations of these systems.
- f. **Site Lighting, and Landscaping.** Provide information on the type, amount and location of lighting and landscaping proposed; provide information on maintenance requirements, hours of illumination, and screening.
- E. **Construction Schedule and Operations.** Brief description of anticipated construction schedule and processes; discuss construction materials storage/staging areas and construction schedule/estimated duration; workers' parking, hours of construction operations, and overview of construction traffic routes.
- F. **Permits and Approvals Required.** Brief discussion of the required permits, reviews and approvals; and involved agencies.

Chapter 3 Existing Conditions, Potential Impacts and Mitigation Measures:

A. Land Use, Zoning and Public Policy

1. Land Use

a. Existing Conditions

- i. Mapping and a description of the Project site including description of any relevant easements or other rights of use by others. (Map 3: Land Use)
- ii. Using appropriate mapping and/or tables, identify and describe land uses and land use patterns within 1/2 mile of the Project site.

b. Potential Impacts

- i. Compare the proposed Project with existing land uses within 1/2 mile of the Project site.

c. Mitigation Measures

- i. Discuss and evaluate mitigation measures for any identified significant adverse impacts.

2. Zoning

a. Existing Conditions

- i. General description of the Special Business District (SB-O) zoning requirements including: use, lot and dimensional

requirements; review and approval process; and applicable design or site plan standards.

- ii. Using appropriate mapping and/or tables, identify and describe all zoning districts within 1/2 mile of the Project site (Map 4: Zoning).

b. Potential Impacts

- i. Discuss the compliance of the proposed Project with the SB-O regulations.
- ii. Discuss relationship of the proposed SB-O zoning to adjacent zoning districts.

c. Mitigation Measures

- i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

3. Policy Documents

a. Existing Conditions

- i. Review and analyze the goals and recommendations of the following documents as they relate to the Proposed Action:
 - Village/Town of Harrison 2013 Comprehensive Plan
 - Westchester County 2017 Airport Master Plan

b. Potential Impacts

- i. Compare the consistency of the Proposed Action with the relevant policy documents listed above.

c. Mitigation Measures

- i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

B. Community Character and Visual Impacts

1. Existing Conditions

- a. Using appropriate mapping and photographs, describe the visual and community character of the Project site and area for observers along roadways and from the following public vantage points:
 - Along Purchase Street;
 - Intersections of Purchase Street and Lake Street; Purchase Street and Tower Road; and Purchase Street and Oak Valley Lane. (Map 5: Visual Impact)
- b. Visual resources within the vicinity of the Project site will be identified, and may include such landscape elements as water bodies, landmark structures and other cultural resources, parks, unique topographic or geologic features, and critical environmental areas, where applicable.

2. Potential Impacts

- a. Describe the proposed Project in relation to surrounding buildings and uses using the NYSDEC Program Policy, Assessing and Mitigating Visual Impacts, DEP-00-2 as a guideline.
 - b. Provide illustrative renderings and site sections of the proposed Project. Discuss at a level of detail appropriate for inclusion in the DEIS, the proposed materials and architectural design for the proposed structures on the Project site.
 - c. Illustrate visibility of the proposed Project from Purchase Street through common graphic design photographic simulations. Also include a sight line that distinguishes the existing visibility of the site compared to the visibility of the proposed Project from each direction depicted on Map 5.
 - d. Discuss at a level of detail appropriate for inclusion in the DEIS the proposed exterior lighting program, including typical light fixtures maximum foot candles, and how this complies with any applicable Town lighting standards. Any impacts on the neighboring properties will also be discussed.
 - e. Discuss any visual screening or other requirement by the Federal Aviation Administration associated with the proposed Project.
3. Mitigation Measures
 - a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

C. Fiscal and Economic Impacts

1. Existing Conditions
 - a. Describe the existing tax revenues generated by the Project site.
2. Potential Impacts
 - a. Analyze the fiscal impact (taxes generated versus costs incurred) to the Town/Village of Harrison, the Harrison Central School District, Town/Village of Harrison's special districts, and Westchester County as a result of the proposed Project.
 - b. A summary and assessment of the impact to the proposed Project on the water rates for WJWW's customers.
 - c. Discuss addition of WJWW employees as a result of the proposed Project.
3. Mitigation Measures
 - a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

D. Community Services

1. Demographics
 - a. Existing Conditions

- i. Describe current population of the Town of Harrison.
 - ii. Describe population being served by the Proposed Action.
 - b. Potential Impacts
 - i. Discuss any potential population changes as a result of the Proposed Action.
 - c. Mitigation Measures
 - i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.
- 2. Police, Fire and Emergency Medical Services (EMS)
 - a. Existing Conditions
 - i. Identify the staff size and organization of the Police and Fire Departments and EMS.
 - ii. Identify the location of police, fire and EMS stations.
 - iii. Identify average response time to the area of the Project site for police, fire and EMS.
 - b. Potential Impacts
 - i. Evaluate increased demand for police, fire and EMS services.
 - ii. Identify concerns of the Police and Fire Departments and EMS (if any).
 - iii. Analyze the adequacy of access to the proposed Project.
 - iv. Assess whether the site plan would adequately provide emergency service access.
 - c. Mitigation Measures
 - i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.
- 3. Solid Waste
 - a. Existing Conditions
 - i. Discuss existing solid waste generation, including recycling, from the Project site and current solid waste collection, including recycling, and disposal for the Project Site.
 - b. Potential Impacts
 - i. Discuss anticipated Project generated solid waste and disposal at full build out.
 - ii. Discuss on-site storage location and containers, and removal process.
 - c. Mitigation Measures
 - i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

E. Utilities

1. Existing Conditions

- a. Discuss the current water supply system and the identified upgrades required for the WJWW drinking water supply system associated with the Proposed Action, including the EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004.
 - b. Identify location of existing public water and sewer mains and current capacity levels at the Project site. Pressure and flow of the existing water and sewer mains will be discussed and proposed connections and required improvements will be discussed.
 - c. Identify current availability of existing electric, telephone, and cellular data.
2. Potential Impacts
- a. Discuss the impact on the population being serviced by the Proposed Action and its compliance with the EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004.
 - b. Discuss potential cumulative impacts associated with the additional on-site water demand as a result of the construction of the filtration plant in combination with other proposed or approved projects in the Town of Harrison. The preliminary design for the proposed on-site water system and expansion of water lines to serve the site shall be clearly explained with discussion of output and fire flow capacities.
 - c. Estimate the potential sewage generation from the proposed Project. Identify the sewer district in which the site is located and the location where the sewage is treated and discharged. The new sanitary forced main to the existing sewer main will be discussed and any resulting environmental impacts will be assessed.
 - d. Discuss any proposed upgrades or installation of electric, telephone, and cellular data.
3. Mitigation Measures
- a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

F. Stormwater

1. Existing Conditions
- a. Identify and map existing drainage infrastructure on site and in the vicinity of the property.
 - b. Discuss existing drainage patterns and hydrologic characteristics of the site. Identify and discuss ultimate points of existing stormwater discharge from the site.

- c. Prepare a pre-development hydrologic analysis to determine existing peak rates of runoff from the Project area during the statistical 1-, 10-, 25-, and 100-year storm events. This analysis will be the basis for determining stormwater management requirements.
 - d. Discuss and map land coverage and hydrologic soil groups within the tributary watershed area.
2. Potential Impacts
- a. Discuss any changes to the quality or quantity of stormwater runoff due to the Project.
 - b. Discuss the proposed drainage collection system.
 - c. Prepare a post-development hydrologic analysis to determine the changes in the pre-development peak runoff rates.
 - d. Summarize the draft Storm Water Pollution Prevention Plan and discuss compliance with local stormwater management regulation (Town Code Chapter 130 Stormwater Management and Erosion and Sediment Control), NYSDEC general permits and NYC DEP Stormwater regulations.
 - e. The access to, ownership of, and responsibility for maintenance requirements during construction and long-term maintenance of any stormwater management facilities shall be discussed.
 - f. Discuss the capacity of the proposed storm sewer system and any connections to the existing storm sewer or adjacent watercourses.
3. Mitigation Measures
- a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

G. Geology – Soils, and Topography

1. Existing Conditions
- a. A topographic survey based on a two-foot contour interval will be prepared. Existing topography will be mapped based on the following slope categories: 0-15%, 15-25%, and 25% and greater. A comparison of existing and proposed topography will be evaluated. The following will be described:
 - i. A preliminary cut and fill analysis, including an analysis of the disposal of excess cut or the import of fill materials, if fill is required, as well as identification of areas where cut will reach the water table and contingency plans to deal with discharge of groundwater to the surface.
 - b. Describe regional and bedrock geology.
 - c. Identify and list soil types on the site, with discussion of soil characteristics and suitability for construction. Include a soils map.
2. Potential Impacts
- a. Provide preliminary grading plan and limit of disturbance line.

- b. If excess earth materials will need to be removed from the site, estimate the number of tons and truck trips necessary to carry out the construction and identify the routes the trucks will take and describe the method of removal.
- c. Discuss the proposed Project's compliance with Chapter 199, Steep Slopes Protection, of the Town Code.
- 3. Mitigation Measures
 - a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

H. Vegetation and Wildlife

- 1. Existing Conditions
 - a. Describe the vegetation, including trees, found on-site and the pattern of this vegetation; describe the habitat of the site and quality of each; describe observed and expected wildlife species; consult Breeding Bird Atlas for site and area species; conduct field inspections by staff biologist; contact NY Natural Heritage Program/ review NYSDEC Environmental Mapper database for site file information; identify any rare wildlife, vegetation, and/or habitats/ ecological communities.
 - b. Incorporate any current ecological studies conducted on the Project site.
- 2. Potential Impacts
 - a. Discuss changes in vegetation pattern and habitats on-site.
 - b. Discuss tree clearing and impacts regarding changes to habitat on site and in the area; discuss impact on expected and identified wildlife species; discuss significance of any information obtained from NY Natural Heritage Program, NYSDEC Environmental mapper, Breeding Bird Atlas, and site inspection by qualified professional.
 - c. Discuss the proposed Project's compliance with Chapter 220, Trees, of the Town Code.
- 3. Mitigation Measures
 - a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

I. Wetlands, Waterbodies, Watercourses, and Floodplains

- 1. Existing Conditions
 - a. Delineate and map existing streams, waterbodies, wetlands and wetland buffers under federal (U.S. Army Corps of Engineers), State, and Town jurisdictions, including as required by federal regulations.
- 2. Anticipated Impacts
 - a. Describe any impacts to the wetlands, waterbodies, watercourses, and floodplains.

- b. Discuss the proposed Project's compliance with Chapter 146, Flood Damage Prevention, and 149 Freshwater Wetlands, of the Town Code.
- c. Discuss compliance with U.S. Army Corps of Engineers protocol to avoid and minimize impacts and identify any applicable permits that may be required.

3. Proposed Mitigation

- a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

J. Archeological and Historical Resources

1. Existing Conditions

- a. A description of current correspondence with New York State Office of Parks, Recreation and Historic Preservation (NYOPRHP) as part of the SEQRA consultation process will be provided including a summary of Phase 1 Archeology Report.
- b. Any additional impact areas as a result of the proposed utility lines will be identified and submitted to NYOPRHP as part of the SEQRA consultation process and project notification paperwork will be submitted electronically using the agency's Cultural Resources Information System (CRIS).

2. Potential Impacts

- a. Identify potential impacts to archeological or historical resources, if any, based on the results of the project notification paperwork in accordance with NYOPRHP.

3. Mitigation Measures

- a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

K. Traffic and Transportation

1. Existing Conditions

- a. A site visit will be performed to observe the existing roadway network and adjacent land use. An inventory of roadway and regulatory conditions will be provided of the roadway network within ½ mile of the site. Information collected will include:
 - i. Traffic control devices;
 - ii. Pavement width and condition;
 - iii. Number of travel lanes and lane designation;
 - iv. Sidewalks, curb ramps and bus stops
 - v. On-street parking restrictions and posted speed limits;
 - vi. Transit facilities and services;
 - vii. Accident data
- b. Discuss existing on-site parking conditions.

- c. **Traffic Data Collection.** Existing traffic conditions will be documented for the weekday AM and PM peak hours from historical data and by conducting turning movement manual counts from 7:45 a.m. to 10:15 a.m. and 4:00 p.m. to 6:15 p.m. at the following intersections:
 - Purchase Street at Lake Street;
 - Purchase Street at Tower Road
2. **Potential Impacts**
- a. **“No Build” Traffic Volumes/Capacity Analysis** - to include background traffic growth and other proposed projects in the area, to the extent known and taking into account any information received from the Town of Harrison Building Department and Planning Board. “No Build” and “Build” traffic volume analyses will be estimated for the year 2025 (estimated year of operation).
 - b. **“Build” Traffic Volumes/Capacity Analysis** – Using the Institute of Transportation Engineers (ITE) *trip Generation Manual*, 10th Edition anticipated trip generation will be modeled for the Proposed Action including construction and operations. Arrival and departure distributions will be developed based upon a review of existing traffic volumes on the roadway network and data provided by WJWW. The pre- and post-construction traffic volumes will be added to the No-Build traffic volumes to get the “Construction Traffic Volumes” and the “Build” traffic volumes. The Site Generated Traffic Volumes will be assigned to the roadway network based on the anticipated arrival and departure distributions. The Site Generated Traffic Volumes will be combined with the No Build Traffic Volumes to obtain the Build Traffic Volumes for each of the peak hours. A Synchro network model will be developed to model the intersections and assess the differences in traffic operation between build and no-build conditions.
 - i. Impacts will be analyzed for traffic capacity by comparing accident rates to the statewide average. In addition, an increase in traffic volume above 5% of the existing condition might indicate that mitigation is warranted.
 - ii. Changes in levels of service (LOS) will be analyzed and compared to acceptable industry standards. Where the existing LOS is A or B, a change in two LOS might precipitate a mitigation. Where existing LOS is C, D or E, an increase in turning delay beyond 10 seconds might precipitate a mitigation.
 - c. **Describe on-site traffic access and circulation**, including stopping sight distances and truck turning analyses at the site driveway and intersections identified to demonstrate that fire apparatus, construction and delivery vehicles will be able to access, circulate and leave the site.

- i. Impacts for access and circulation will be analyzed based on whether or not turning radii or sight distance meet the minimum criteria using ITE industry standards.
 - d. Describe potential impacts to character of surrounding streets and provide a qualitative analysis on the proposed truck route and its safety.
 - e. Provide a parking analysis for proposed uses on site.
 - f. Discuss any temporary or permanent measures that may be required or become necessary.
3. Mitigation Measures
- a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

L. Noise

1. Existing Conditions
- a. Provide a quantitative description of the existing noise environment at the Project site both mobile and immobile noises through monitoring. Existing, ambient noise levels will be measured along the property's boundaries during weekday peak traffic times. Special attention will be paid to sound/noise levels along areas that occur as substantial contributors to the existing, ambient condition. Sound source additions to the property will then be calculated at property boundaries per Chapter 177, Noise, of the Harrison Town Code and federal noise standards.
2. Potential Impacts
- a. Provide a quantitative analysis of potential operational noise impacts from the Project. The propagation of the sound to the property boundary and closest residential property toward the west as a result of the Project will also be calculated. This section will consider noise impacts both on the Project area and/or residents, receptors from other surrounding land uses as well as from the project itself using available data from the manufacturer and the applicant. Short term construction impacts will also be qualitatively described.
 - b. During operations, truck traffic is not anticipated to enter the site more than twice per week, producing minimal noise concerns, therefore noise related to operational traffic will be qualitatively discussed.
 - c. Provide discussion of the construction related impacts of noise and the Project's adherence to the Chapter 177, Noise, of the Harrison Town Code.
 - d. Provide discussion of post construction noise and the Project's adherence to the Chapter 177, Noise, of the Harrison Town Code.
3. Mitigation Measures
- a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

M. Air

1. Existing Conditions

- a. Summarize existing ambient air quality conditions in the region based on published New York State Department of Environmental Conservation ambient air monitoring data.

2. Potential Impacts

- a. Provide a qualitative analysis of the potential air impacts resulting from site preparation, and post-construction activities.

3. Mitigation Measures

- a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

N. Public Health

1. Drinking Water

a. Existing Conditions

- i. Summarize the current drinking water requirements and the current water quality.

b. Potential Impacts

- i. Discuss the impacts of implementing the Proposed Action on drinking water.

c. Mitigation Measures

- i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

2. Hazardous Waste

a. Existing Conditions

- i. Summarize the findings of a Phase I Environmental Site Assessment of the site.

b. Potential Impacts

- i. If any environmental contaminants are discovered on site, describe methods for abatement that would occur prior to commencement of or during construction activities.

c. Mitigation Measures

- i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

O. Construction

1. Potential Impacts

- a. Describe the construction schedule and construction phasing plan.
- b. Qualitatively assess potential construction-related impacts to air.
- c. Quantitatively assess potential construction-related impacts to noise and traffic.

- d. Discuss impacts on adjacent land uses associated with proposed construction activities, including access to the site for construction vehicles, effects of construction traffic on adjacent roadways, effects of construction noise on adjacent receptors, construction staging and management of fill export and import.
 - e. Provide proposed techniques for rock removal, should it become necessary during construction. Describe potential impacts to adjacent properties that could result from rock removal. Any required pre-blast surveys, photo/video demonstration, and seismic monitoring should be discussed.
2. Mitigation Measures
- a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

Chapter 4 Other Environmental Impacts

Based on the discussion in Chapter 3, any of the following areas of impact will be summarized and considered cumulatively.

- 1. Unavoidable Adverse Environmental Impacts.
- 2. Irreversible and Irretrievable Commitment of Resources.
- 3. Growth-Inducing, Secondary and Cumulative Impacts. A cumulative analysis of the proposed action and the proposed UV Treatment Facility that will be located at 900 Lake Street in Harrison New York will be discussed. Growth-inducing aspects of the proposed action include its direct and indirect effects that promote additional development in the area. The nature of such anticipated growth as related to the Proposed Action will be described, and the impacts of that growth will be assessed. The cumulative impacts of the Proposed Action will be analyzed in consideration of the policies and development activities in adjoining communities.
- 4. Energy Use and Conservation. Provide a brief discussion on those aspects of the proposed project which would contribute to an increase in energy as well as potential options for conservation; discuss impacts from greenhouse gas emissions.
- 5. Measures to Avoid or Reduce Impacts on Climate Change. Provide a brief discussion on the Project's impacts on climate change and any associated impacts due to the effects of climate change such as sea level rise and flooding.

Chapter 5 Alternatives

Summarize prior alternatives investigated to achieve regulatory compliance.

1. **Alternative 1: No Action** (Discuss the scenario where the status of existing land use remains unchanged.)
2. **Alternative 2: Alternative Site Plan** (Discuss the option of building the plant on the WJWW property which is part of the land swap in the proposed action as shown in Map 2).
3. **Alternative 3: Alternative filtration technology** (Discuss the potential of meeting the EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004, and current federal drinking water standards through another technology other than what is proposed in the Proposed Action).
4. **Alternative 4: Alternative façade treatments for the filtration plant** will be presented and discussed.

Chapter 6 References

Provide listing of the various documents and information sources utilized in the preparation of the Draft EIS.



NPV

Map 1: Site Location

Sources: Westchester County GIS 2020;
Scale: 1 inch equals 400 feet

**Westchester Joint
Water Works
Water Filtration Plant**

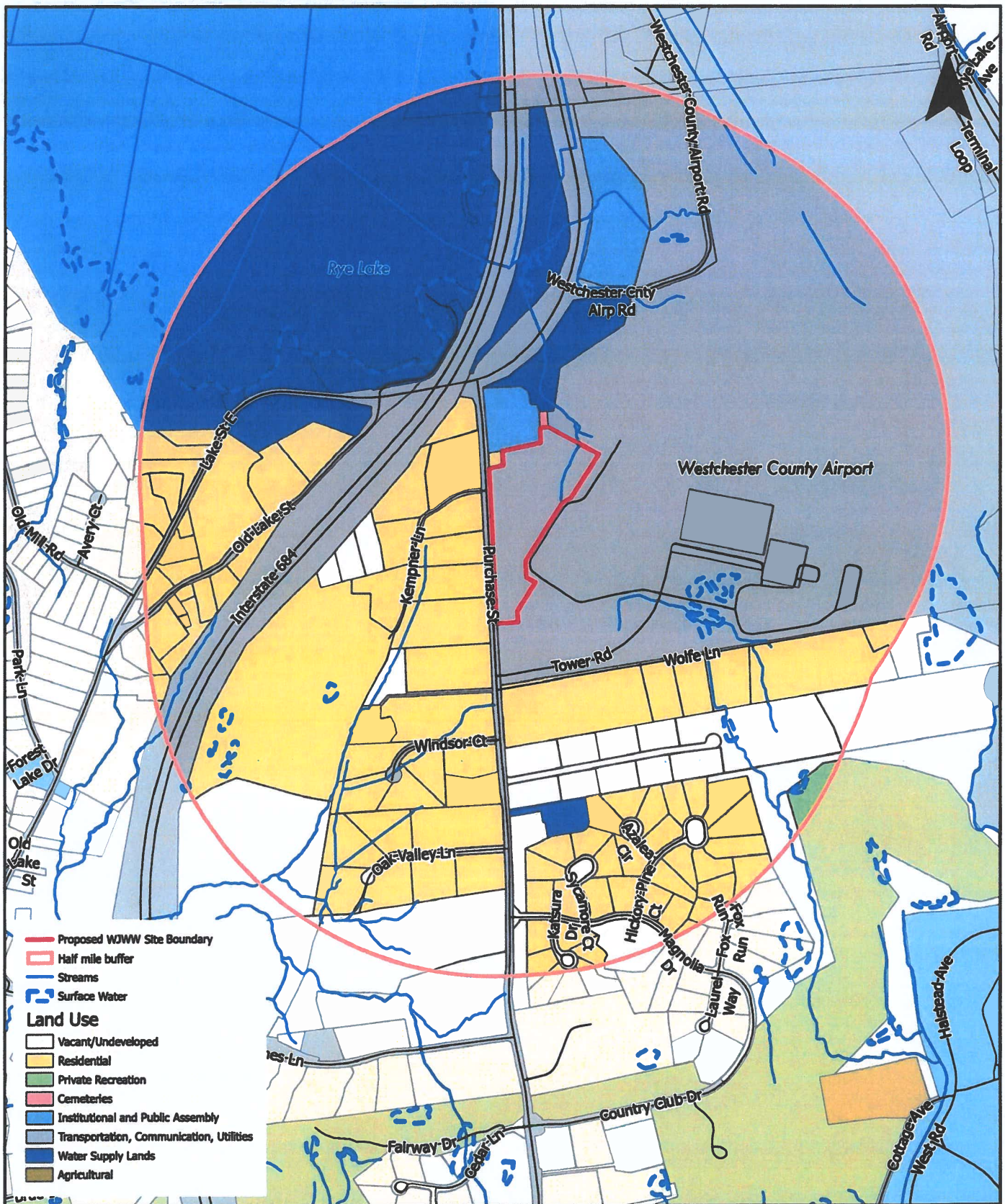


NPV

Map 2: Land Swap Properties

Sources: Westchester County GIS 2020;
Scale: 1 inch equals 700 feet

Westchester Joint
Water Works
Water Filtration Plant

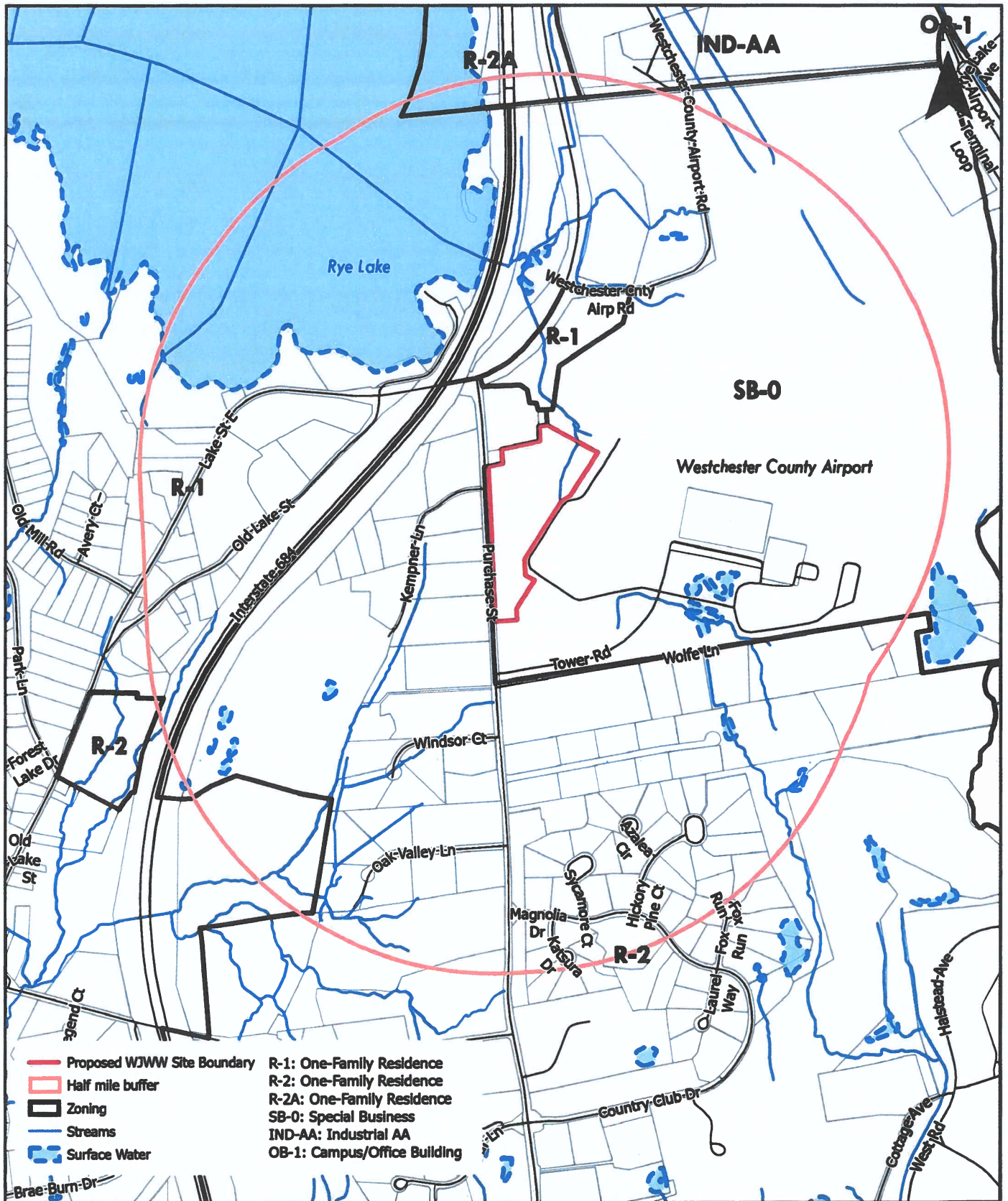


NPV

Map 3: Land Use

Sources: Westchester County GIS 2020;
Scale: 1 inch equals 1,000 feet

**Westchester Joint
Water Works
Water Filtration Plant**

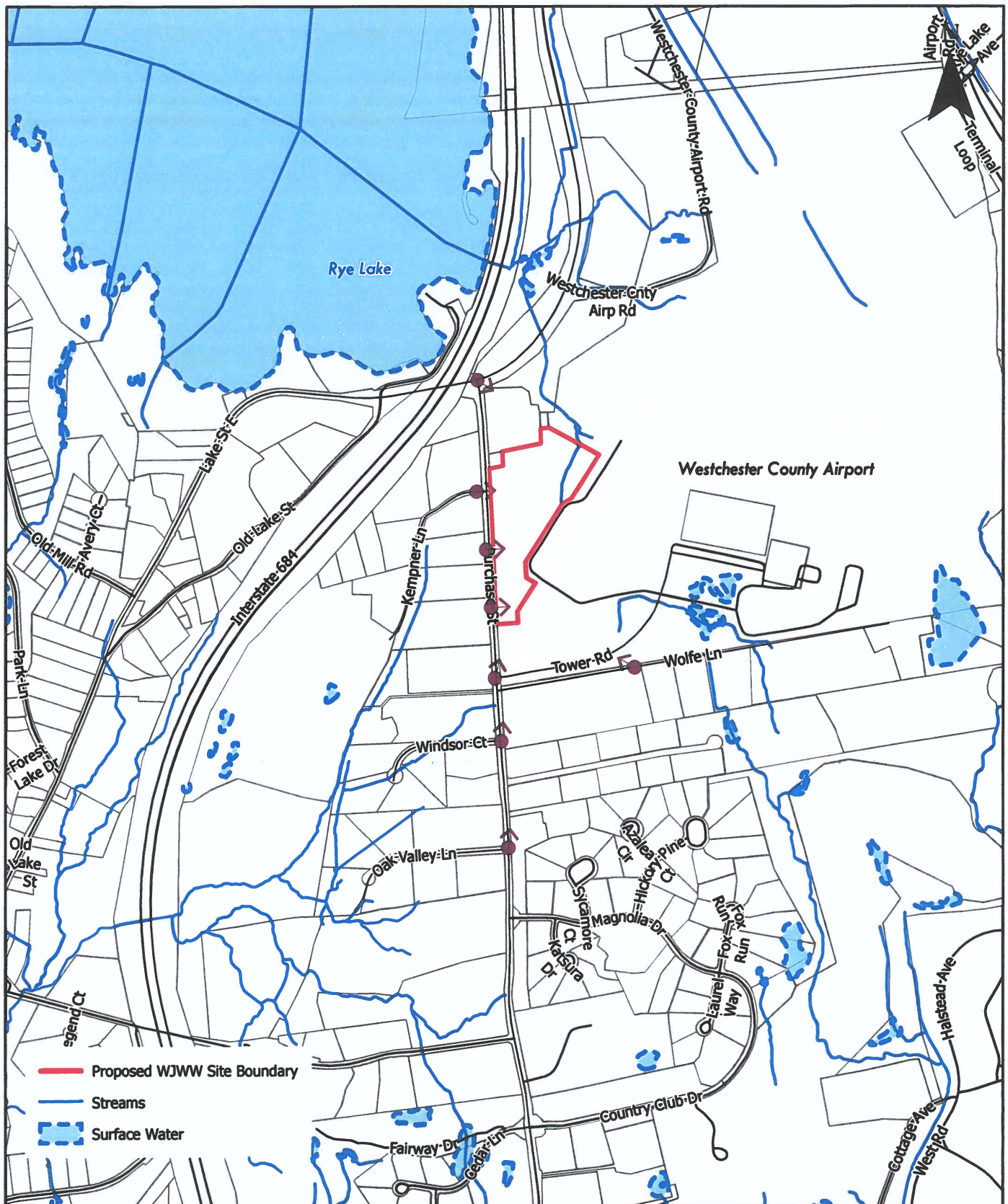


NPV

Map 4: Zoning

Sources: Westchester County GIS 2020;
Scale: 1 inch equals 1,000 feet

**Westchester Joint
Water Works
Water Filtration Plant**



NPV

Map 5: Visual Impact

Sources: Westchester County GIS 2020;
Scale: 1 inch equals 1,000 feet

**Westchester Joint
Water Works
Water Filtration Plant**