

CITY OF NEWBURGH  
COUNCIL MEETING AGENDA

May 12, 2014  
7:00 p.m.

Mayor:

1. Prayer
2. Pledge of Allegiance

City Clerk:

3. Roll Call

Communications:

4. Approval of the minutes of the meeting of April 28, 2014

Presentation:

5. In preparation for the public hearing being held tonight, AKRF will present a brief overview of the proposed Rezone document and map – Peter Feroe and Nina Peek

Public Hearing:

6. A public hearing to receive comments concerning the adoption of the revised Chapter 300 entitled "Zoning" of the Code of Ordinances of the City of Newburgh.

Comments from the public regarding the agenda:

Comments from the Council regarding the agenda:

City Manager's Report:

7. Resolution No. 116-2014  
A resolution reappointing Scott Wallingford and Eileen Clifford and appointing Timothy Bardin to the City of Newburgh Housing Loan Advisory Committee.

8. Resolution No. 117-2014  
A resolution authorizing the execution of a Release of Restrictive Covenants and Right of Re-Entry from a deed issued to Shane Garziona and Roland Bloomer to the premises known as 350 Water Street, Unit 7-9.
9. Resolution No. 118-2014  
A resolution of the City Council of the City of Newburgh assuming lead agency status under the State Environmental Quality Review Act for the West Trunk Line Sewer Corridor Improvements and Accepting Part I of the Full Environmental Assessment Form.
10. Resolution No. 119-14  
A resolution accepting the Northeast Orange County Water Supply Project Facility Plan.
11. Resolution No. 120-2014  
A resolution accepting a proposal and authorizing the execution of a contract amendment with Barton and Loguidice, P.C. in the amount of \$26,280.00 for additional professional engineering services in connection with the repair or replacement of the City of Newburgh water storage tanks.
12. Resolution No. 121-2014  
A resolution authorizing the City Manager to execute an amendment to the Street Lighting Authority Order with CH Energy Group, Inc.
13. Resolution No. 122-2014  
A resolution amending the 2014 City of Newburgh Personnel Analysis Book and amending Resolution No. 247-2013, the 2014 Budget for the City of Newburgh, New York to transfer \$100,146.00 from Child, Youth, Family and Senior Citizen part-time salary and benefits to the Recreation Department part-time salary and benefits in connection with funding one part-time recreation leader and six seasonal part-time recreation attendants.
14. Resolution No. 123-2014  
A resolution adopting the City of Newburgh Parking Meter Coin Collection Policy and Procedure.
15. Resolution No. 124-2014  
A resolution of the City Council of the City of Newburgh calling on the Governor, the New York State Assembly and the New York State Senate to enact the "Abandoned Property Neighborhood Relief Act of 2014".

16. Resolution No. 125-2014  
A resolution to require apprenticeship training programs for public construction contracts awarded by the City of Newburgh.
17. Resolution No. 126-2014  
A resolution authorizing the Interim City Manager to accept a proposal and execute an agreement with Quality Environmental Solutions & Technologies, Inc. for professional services related to the design of the asbestos abatement for the Police Department.
18. Resolution No. 127-2014  
A resolution to adopt a temporary hiring freeze.
19. Resolution No. 128-2014  
A resolution authorizing the interim City Manager to accept a proposal and execute an agreement with Mitchell Associates Architects for Architectural and Engineering Services related to the Police Department locker room remediation and renovation at the Public Safety Building at a cost of \$23,000.00.
20. Resolution No. 129-2014  
A resolution to authorize the conveyance of real property known as 117 Renwick Street and 119 Renwick Street at private sale to Bluestone Developers, Inc. for the amount of \$8,000.00

Old Business:

New Business:

Public Comments Regarding General Matters of City Business:

Further Comments from the Council:

Adjournment:

RESOLUTION NO.: 116 - 2014

OF

MAY 12, 2014

**A RESOLUTION RE-APPOINTING SCOTT WALLINGFORD AND  
EILEEN CLIFFORD AND APPOINTING TIMOTHY BARDIN TO  
THE CITY OF NEWBURGH HOUSING LOAN ADVISORY COMMITTEE**

WHEREAS, the City Council, by Resolution No.: 149-2009 of September 14, 2009, appointed members to the newly created City of Newburgh Housing Loan Advisory Committee; and

WHEREAS, such Committee was established with membership to consist of the following:

- Two as banking representatives;
- Two as not-for-profit and/or real estate representatives;
- One as a community representative; and

WHEREAS, the terms of Scott Wallingford and Eileen Clifford have expired and they have expressed interest in continuing to serve on the City of Newburgh Housing Loan Advisory Committee; and

WHEREAS, there is currently a vacancy on said Committee; and

WHEREAS, Timothy Bardin has expressed his interest in serving as a member of the Committee; and

WHEREAS, this Council has determined that it is in the best interests of the City of Newburgh to re-appoint those members whose terms have expired and to fill such vacancy;

**NOW, THEREFORE, BE IT RESOLVED**, by the Council of the City of Newburgh, New York that Scott Wallingford as a banking representative and Eileen Clifford as a not-for-profit representative be and are hereby re-appointed to the City of Newburgh Housing Loan Advisory Committee for a term of two (2) years; and

**BE IT FURTHER RESOLVED**, that Timothy Bardin be and is hereby appointed as a banking representative member of the City of Newburgh Housing Loan Advisory Committee for a term of two (2) years.

RESOLUTION NO.: 117 - 2014

OF

MAY 12, 2014

**A RESOLUTION AUTHORIZING THE EXECUTION  
OF A RELEASE OF RESTRICTIVE COVENANTS AND RIGHT OF RE-ENTRY  
FROM A DEED ISSUED TO SHANE GARZIONE AND ROLAND BLOOMER  
TO THE PREMISES KNOWN AS 350 WATER STREET, UNIT 7-9  
(SECTION 55, BLOCK 1, LOT 1.37)**

**WHEREAS**, on April 30, 2014, the City of Newburgh conveyed property located at 350 Water Street, Unit 7-9, being more accurately described on the official Tax Map of the City of Newburgh as Section 55, Block 1, Lot 1.37, to Shane Garziona and Roland Bloomer; and

**WHEREAS**, the current owners, by their attorney, have requested a release of the restrictive covenants contained in said deed; and

**WHEREAS**, the appropriate departments have reviewed their files and advised that the covenants have been complied with, and recommends such release be granted; and

**WHEREAS**, this Council believes it is in the best interest of the City of Newburgh to grant such request;

**NOW, THEREFORE, BE IT RESOLVED**, by the Council of the City of Newburgh, New York that the Interim City Manager be and he is hereby authorized to execute the release, annexed hereto and made a part of this resolution, of restrictive covenants numbered 1, 2, 3, 4 and 5 of the aforementioned deed.



RESOLUTION NO.: 118 -2014

OF

MAY 12, 2014

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEWBURGH  
ASSUMING LEAD AGENCY STATUS UNDER STATE ENVIRONMENTAL  
QUALITY REVIEW ACT (SEQRA) FOR THE WEST TRUNKLINE SEWER CORRIDOR  
IMPROVEMENTS AND ACCEPTING PART 1 OF THE FULL ENVIRONMENTAL  
ASSESSMENT FORM

WHEREAS, the West Trunkline Sewer Corridor Improvements Project (Project) includes the following:

- cleaning and performing closed-caption televised inspections of the 54-inch West Trunkline Sewer, and 36-inch Southern Interceptor Sewer in order to evaluate the condition of and identify improvements to these sewers
- improvements may include rehabilitation of sewer sections via installation of cured-in-place pipe (CIPP) lining system and repair or replacement of sewer sections too severely deteriorated to be repaired by CIPP
- installation of manhole structures, as well as clearing and grubbing to allow for construction of new access pathway to facilitate future access to and maintenance of the sewers; and

WHEREAS, in addition to the sewer rehabilitation, stabilization and realignment of the Quassaick Creek is proposed to protect the West Trunkline Sewer from future failures as follows:

- Quassaick Creek will be realigned south of its existing channel
- Holden Dam will also be partially breached
- Additional stabilization and restoration of the Creek is proposed downstream of the rechannelization; and

WHEREAS, the Project is an "action" as defined by the State Environmental Quality Review Act (SEQRA); and

WHEREAS, in compliance with SEQRA, by Resolution No.: 53-2014 of March 10, 2014, this Council declared its intent to assume Lead Agency status for the environmental review of the action pursuant to 6 NYCRR 617.6 and authorized the Interim City Manager and the City's Engineer to circulate said Long Environmental Assessment Form to the following "Involved Agencies" and "Interested Agencies" under cover of the attached "Notice of Intent to Establish Lead Agency" letter for purposes of establishing Lead Agency status under SEQRA/SERP; and

**WHEREAS**, more than 30 days have elapsed since the Long Environmental Assessment Form was circulated to the Involved and Interested Agencies without opposition to the City's declaration of its intent to be lead agency for the Project; and

**WHEREAS**, this Council finds it necessary, appropriate and in the best interests of the City of Newburgh to advance the Project by assuming Lead Agency status for the environmental review of the Project pursuant to SEQRA/SERP;

**NOW, THEREFORE, BE IT RESOLVED**, by the Council of the City of Newburgh, New York as follows:

1. That the City Council of the City of Newburgh hereby assumes Lead Agency status for the environmental review of the action pursuant to 6 NYCRR 617.6; and
2. That this Council duly accepts Part 1 of the Long Environmental Assessment Form.

The question of the adoption of the foregoing resolution was duly put to a vote, and upon roll call, the vote was as follows;

Judy Kennedy	Mayor	Voted	Yes/No
Genie Abrams	City Council Member	Voted	Yes/No
Regina Angelo	City Council Member	Voted	Yes/No
Cedric Brown	City Council Member	Voted	Yes/No
Cindy Holmes	City Council Member	Voted	Yes/No
Gay Lee	City Council Member	Voted	Yes/No
Karen Mejia	City Council Member	Voted	Yes/No

The foregoing resolution was thereupon declared duly adopted.

Dated: \_\_\_\_\_

I hereby certify that this resolution was adopted on \_\_\_\_\_ and is recorded in the City of Newburgh Minute Book of the Mayor and City Council.

\_\_\_\_\_  
Lorene Vitek  
City of Newburgh, City Clerk

**Full Environmental Assessment Form  
Part 1 - Project and Setting**

**Instructions for Completing Part 1**

**Part 1 is to be completed by the applicant or project sponsor.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1 is accurate and complete.

**A. Project and Sponsor Information.**

Name of Action or Project: West Trunkline Sewer Corridor Improvements Project		
Project Location (describe, and attach a general location map): Quassaick Creek which runs along the municipal boundary between the City of Newburgh and the Town of New Windsor, Orange County. West Trunkline Sewer along the north bank of Quassaick Creek from Walsh Rd/Dickson St eastward to the Water Pollution Control Plant.		
Brief Description of Proposed Action (include purpose or need): <p style="text-align: right;"><b>See Maps Attached</b></p> Provided below is a description of the proposed sewer improvements: Clearing and grubbing along the 54" West Trunkline Sewer, 36" & 42" Southern Interceptor Sewer, and 60" Combined Sewer Overflow (CSO). Cleaning and Closed Circuit Televised Inspection of these sewer sections, as well as the 36" Gravity Sewers Mill St and Robinson Ave. Rehabilitation to the aforementioned sewer sections may include replacement, spot repairs, and installation of cured-in-place pipe lining. Additionally, proposed manholes and a proposed access pathway will facilitate access and maintenance to the sewers. Provided below is a description of the Quassaick Creek stream restoration efforts: Proposed partial breach of Holden Dam and realignment of approximately 1,200 feet of the stream to facilitate reestablishment of a stable stream channel through the area. The realigned stream would eliminate the impounded waters behind the Dam and relocate the current stream channel away from the West Trunkline sewer. The realigned stream will provide additional protection through reduced streamflow velocities through the corridor. Additional channel and bank stabilization along approximately 1,700 feet the Creek channel downstream of the proposed channel tie-in.		
Name of Applicant/Sponsor: CITY OF NEWBURGH - JAMES SLAUGHTER, INTERIM CITY MANAGER		Telephone: (845) 569-7301 E-Mail: JSlaughter@cityofnewburgh-ny.gov
Address: 83 BROADWAY		
City/PO: NEWBURGH	State: NY	Zip Code: 12550
Project Contact (if not same as sponsor; give name and title/role): JASON MORRIS - CITY ENGINEER, Primary Contact		Telephone: (845)-569-7447 E-Mail: JMorris@cityofnewburgh-ny.gov
Address: 83 BROADWAY		
City/PO: NEWBURGH	State: NY	Zip Code: 12550
Property Owner (if not same as sponsor):		Telephone: E-Mail:
Address:		
City/PO:	State:	Zip Code:

**B. Government Approvals**

**B. Government Approvals, Funding, or Sponsorship.** ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)  
**For Required Approval(s) Please See Attached Sheet**

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees	City of Newburgh	October 2012, October 2013
b. City, Town or Village <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Planning Board or Commission		
c. City Council, Town or <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Village Zoning Board of Appeals	City of Newburgh, Town of New Windsor	Spring/Summer 2014 (Sewer), Fall 2014/Winter 2015 (Stream)
d. Other local agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
e. County agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
f. Regional agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CSX Transportation, Inc.	November 2013
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NYS DOT, NYSEFC, NYSDEC, NYSDOS	Spring/Summer 2014, Fall 2014/Winter 2015 (Stream)
h. Federal agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Army Corps of Engineers, US Fish and Wildlife	Spring/Summer 2014 (Sewer), Fall 2014/Winter 2015 (Stream)
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**C. Planning and Zoning**

**C.1. Planning and zoning actions.**

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed?  Yes  No

- If Yes, complete sections C, F and G.
- If No, proceed to question C.2 and complete all remaining sections and questions in Part 1

**C.2. Adopted land use plans.**

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located?  Yes  No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?  Yes  No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?)  Yes  No

If Yes, identify the plan(s):

Remediation Sites: 336036 (american Felt and Filter), E336075 (Orange County Parcel)  
 Quassaick Creek Watershed Management Plan (DRAFT), Hudson River Valley Greenway, City of Newburgh Future Land Use Plan (2011), Mid-Hudson Regional Sustainability Plan (2013), New York State Open Space Conservation Plan (2009), Statewide Comprehensive Outdoor Recreational Plan (2009)

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan?  Yes  No

If Yes, identify the plan(s):

Orange County Open Space Plan (2004)

**C.3. Zoning**

- a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance.  Yes  No  
If Yes, what is the zoning classification(s) including any applicable overlay district?  
I-1 (Heavy Commercial, Light Industrial), W-2 (Waterfront Industrial)
- b. Is the use permitted or allowed by a special or conditional use permit?  Yes  No
- c. Is a zoning change requested as part of the proposed action?  Yes  No  
If Yes,  
i. What is the proposed new zoning for the site?

**C.4. Existing community services.**

- a. In what school district is the project site located? Newburgh Enlarged City School District
- b. What police or other public protection forces serve the project site?  
City of Newburgh Police Department
- c. Which fire protection and emergency medical services serve the project site?  
City of Newburgh Fire Department, Newburgh Volunteer Ambulance
- d. What parks serve the project site?  
Parks contiguous to the project site include Delano-Hitch Park, Aquatic Center, Hasbrouck Street Park, and Xavier Lunan Park

**D. Project Details**

**D.1. Proposed and Potential Development**

- a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Utilities Rehabilitation, Public Access, Stream Relocation
- b. a. Total acreage of the site of the proposed action? 48.84 acres  
b. Total acreage to be physically disturbed? 10 acres  
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 8.03 acres
- c. Is the proposed action an expansion of an existing project or use?  Yes  No  
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % \_\_\_\_\_ Units: \_\_\_\_\_
- d. Is the proposed action a subdivision, or does it include a subdivision?  Yes  No  
If Yes,  
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)  
\_\_\_\_\_  
ii. Is a cluster/conservation layout proposed?  Yes  No  
iii. Number of lots proposed? \_\_\_\_\_  
iv. Minimum and maximum proposed lot sizes? Minimum \_\_\_\_\_ Maximum \_\_\_\_\_
- e. Will proposed action be constructed in multiple phases?  Yes  No  
i. If No, anticipated period of construction: \_\_\_\_\_ months  
ii. If Yes:  
• Total number of phases anticipated 2  
• Anticipated commencement date of phase 1 (including demolition) Aug month 2014 year  
• Anticipated completion date of final phase Oct month 2015 year  
• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: \_\_\_\_\_

The project is split into two phases: sewer and stream. The sewer component is anticipated to begin in Summer of 2014 and will be completed independently of the stream phase. The stream phase of work is anticipated to begin in the Spring of 2015

f. Does the project include new residential uses?  Yes  No  
 If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	_____	_____	_____	_____
At completion	_____	_____	_____	_____
of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)?  Yes  No  
 If Yes,

i. Total number of structures \_\_\_\_\_  
 ii. Dimensions (in feet) of largest proposed structure: \_\_\_\_\_ height; \_\_\_\_\_ width; and \_\_\_\_\_ length  
 iii. Approximate extent of building space to be heated or cooled: \_\_\_\_\_ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage?  Yes  No  
 If Yes,

i. Purpose of the impoundment: \_\_\_\_\_  
 ii. If a water impoundment, the principal source of the water:  Ground water  Surface water streams  Other specify: \_\_\_\_\_  
 iii. If other than water, identify the type of impounded/contained liquids and their source. \_\_\_\_\_  
 iv. Approximate size of the proposed impoundment. Volume: \_\_\_\_\_ million gallons; surface area: \_\_\_\_\_ acres  
 v. Dimensions of the proposed dam or impounding structure: \_\_\_\_\_ height; \_\_\_\_\_ length  
 vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): \_\_\_\_\_

**D.2. Project Operations**

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both?  Yes  No  
 (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)  
 If Yes:

i. What is the purpose of the excavation or dredging? Sewer repairs and installation of manholes, relocation and stabilization of Quassaick Creek  
 ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?  
 • Volume (specify tons or cubic yards): 3,500 CY  
 • Over what duration of time? Two Years; August 2014 thru October 2015, as previously indicated  
 iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.  
Excavated/Dredged materials are proposed to be reused onsite where possible. Materials to be removed and disposed of offsite include suspected contaminated sediment impounded by Holden Dam, as well as existing concrete building foundation along Creek realignment.

iv. Will there be onsite dewatering or processing of excavated materials?  Yes  No  
 If yes, describe. Dewatering and processing of excavated materials will be necessary during the removal of any contaminated sediments at the foot of Holden Dam.

v. What is the total area to be dredged or excavated? \_\_\_\_\_ 1.0 acres  
 vi. What is the maximum area to be worked at any one time? \_\_\_\_\_ 2.25 acres  
 vii. What would be the maximum depth of excavation or dredging? \_\_\_\_\_ 16 feet  
 viii. Will the excavation require blasting?  Yes  No  
 ix. Summarize site reclamation goals and plan: \_\_\_\_\_  
Rechannelization of the Quassaick Creek will infill the existing channel with the excavated materials for the proposed channel where possible. If sediment sampling confirms the presence of contaminants, the dredged sediment will be legally disposed of offsite. It is anticipated that all excavated materials for the sewer rehabilitation will be reused onsite. Floodplain revegetation, and seeding of disturbed access ways will be implemented during restoration.

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area?  Yes  No  
 If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): As part of the project scope, portions of the Quassaick Creek will be relocated south, away from the West Trunkline Sewer. Holden Pond, which will decrease in size as a consequence of breaching Holden Dam, is identified as Freshwater Pond Wetland by the USFWS National Wetlands Inventory.

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:  
Quassaick Creek and Holden Pond will be altered due to excavation, fill, and alteration of channels, banks, and shorelines. Holden Pond will be partially removed due to the partial breach of Holden Dam. The proposed improvements will marginally change the total water surface area within the project corridor. Natural channel restoration methods will be used to stabilize the realigned portions of the Creek and adjacent floodplain, eliminating the existing channelized nature of the stream.

iii. Will proposed action cause or result in disturbance to bottom sediments?  Yes  No  
 If Yes, describe: Disturbances are due to dredging and excavation for new channel, as well as stream stabilization and sediment removal.  
 iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation?  Yes  No  
 If Yes:  
 • acres of aquatic vegetation proposed to be removed: \_\_\_\_\_  
 • expected acreage of aquatic vegetation remaining after project completion: \_\_\_\_\_  
 • purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): \_\_\_\_\_  
 • proposed method of plant removal: \_\_\_\_\_  
 • if chemical/herbicide treatment will be used, specify product(s): \_\_\_\_\_  
 v. Describe any proposed reclamation/mitigation following disturbance: \_\_\_\_\_  
Realignment of Quassaick Creek through new channel.

c. Will the proposed action use, or create a new demand for water?  Yes  No  
 If Yes:  
 i. Total anticipated water usage/demand per day: \_\_\_\_\_ gallons/day  
 ii. Will the proposed action obtain water from an existing public water supply?  Yes  No  
 If Yes:  
 • Name of district or service area: \_\_\_\_\_  
 • Does the existing public water supply have capacity to serve the proposal?  Yes  No  
 • Is the project site in the existing district?  Yes  No  
 • Is expansion of the district needed?  Yes  No  
 • Do existing lines serve the project site?  Yes  No  
 iii. Will line extension within an existing district be necessary to supply the project?  Yes  No  
 If Yes:  
 • Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_  
 • Source(s) of supply for the district: \_\_\_\_\_  
 iv. Is a new water supply district or service area proposed to be formed to serve the project site?  Yes  No  
 If, Yes:  
 • Applicant/sponsor for new district: \_\_\_\_\_  
 • Date application submitted or anticipated: \_\_\_\_\_  
 • Proposed source(s) of supply for new district: \_\_\_\_\_  
 v. If a public water supply will not be used, describe plans to provide water supply for the project: \_\_\_\_\_  
 vi. If water supply will be from wells (public or private), maximum pumping capacity: \_\_\_\_\_ gallons/minute.

d. Will the proposed action generate liquid wastes?  Yes  No  
 If Yes:  
 i. Total anticipated liquid waste generation per day: \_\_\_\_\_ gallons/day  
 ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 iii. Will the proposed action use any existing public wastewater treatment facilities?  Yes  No  
 If Yes:  
 • Name of wastewater treatment plant to be used: \_\_\_\_\_  
 • Name of district: \_\_\_\_\_  
 • Does the existing wastewater treatment plant have capacity to serve the project?  Yes  No  
 • Is the project site in the existing district?  Yes  No  
 • Is expansion of the district needed?  Yes  No

- Do existing sewer lines serve the project site?  Yes  No
- Will line extension within an existing district be necessary to serve the project?  Yes  No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_  
\_\_\_\_\_

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site?  Yes  No

If Yes:

- Applicant/sponsor for new district: \_\_\_\_\_
- Date application submitted or anticipated: \_\_\_\_\_
- What is the receiving water for the wastewater discharge? \_\_\_\_\_

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):  
\_\_\_\_\_  
\_\_\_\_\_

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: \_\_\_\_\_  
\_\_\_\_\_

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction?  Yes  No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?  
 \_\_\_\_\_ 300 Square feet or \_\_\_\_\_ acres (impervious surface)  
 \_\_\_\_\_ Square feet or \_\_\_\_\_ 10 acres (parcel size)

ii. Describe types of new point sources. Proposed culverts will be used to convey stormwater  
 \_\_\_\_\_

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?  
 Stormwater runoff is proposed to be directed to on-site stormwater management facilities  
 \_\_\_\_\_

- If to surface waters, identify receiving water bodies or wetlands: \_\_\_\_\_  
\_\_\_\_\_
- Will stormwater runoff flow to adjacent properties?  Yes  No

iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater?  Yes  No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations?  Yes  No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)  
 Heavy equipment (e.g., excavators) will be utilized during construction. There will be no mobile sources of air emissions after construction completion.

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)  
 \_\_\_\_\_

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)  
 \_\_\_\_\_

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit?  Yes  No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year)  Yes  No

ii. In addition to emissions as calculated in the application, the project will generate:

- \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide (CO<sub>2</sub>)
- \_\_\_\_\_ Tons/year (short tons) of Nitrous Oxide (N<sub>2</sub>O)
- \_\_\_\_\_ Tons/year (short tons) of Perfluorocarbons (PFCs)
- \_\_\_\_\_ Tons/year (short tons) of Sulfur Hexafluoride (SF<sub>6</sub>)
- \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)
- \_\_\_\_\_ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?  Yes  No

If Yes:

i. Estimate methane generation in tons/year (metric): \_\_\_\_\_

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): \_\_\_\_\_

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations?  Yes  No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): \_\_\_\_\_

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services?  Yes  No

If Yes:

i. When is the peak traffic expected (Check all that apply):  Morning  Evening  Weekend  
 Randomly between hours of \_\_\_\_\_ to \_\_\_\_\_.

ii. For commercial activities only, projected number of semi-trailer truck trips/day: \_\_\_\_\_

iii. Parking spaces: Existing \_\_\_\_\_ Proposed \_\_\_\_\_ Net increase/decrease \_\_\_\_\_

iv. Does the proposed action include any shared use parking?  Yes  No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: \_\_\_\_\_

vi. Are public/private transportation service(s) or facilities available within 1/2 mile of the proposed site?  Yes  No

vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles?  Yes  No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes?  Yes  No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy?  Yes  No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: \_\_\_\_\_

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): \_\_\_\_\_

iii. Will the proposed action require a new, or an upgrade to, an existing substation?  Yes  No

l. Hours of operation. Answer all items which apply.

<p>i. During Construction:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____ 6 AM - 8PM</li> <li>• Saturday: _____ 6 AM - 8PM</li> <li>• Sunday: _____ 6 AM - 8PM</li> <li>• Holidays: _____ 6 AM - 8PM</li> </ul>	<p>ii. During Operations:</p> <table border="0"> <tr> <td></td> <td style="text-align: center;"><b>Sewer and Creek</b></td> </tr> <tr> <td>• Monday - Friday:</td> <td>_____ 24 hr/day</td> </tr> <tr> <td>• Saturday:</td> <td>_____ 24 hr/day</td> </tr> <tr> <td>• Sunday:</td> <td>_____ 24 hr/day</td> </tr> <tr> <td>• Holidays:</td> <td>_____ 24 hr/day</td> </tr> </table>		<b>Sewer and Creek</b>	• Monday - Friday:	_____ 24 hr/day	• Saturday:	_____ 24 hr/day	• Sunday:	_____ 24 hr/day	• Holidays:	_____ 24 hr/day
	<b>Sewer and Creek</b>										
• Monday - Friday:	_____ 24 hr/day										
• Saturday:	_____ 24 hr/day										
• Sunday:	_____ 24 hr/day										
• Holidays:	_____ 24 hr/day										

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both?  Yes  No

If yes:

i. Provide details including sources, time of day and duration:  
 During planned construction, previously indicated between August 2014 and October 2015, noise levels will increase due to construction activities approximately 5 days per week, 14 hours per day.

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen?  Yes  No  
 Describe: Clearing and grubbing for the sewer easement and new stream channel will remove existing vegetation. However, the project site is densely vegetated making it unlikely that the removal of vegetation will have any deleterious effects on existing noise barriers.

---

n. Will the proposed action have outdoor lighting?  Yes  No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:  
 \_\_\_\_\_

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen?  Yes  No  
 Describe: \_\_\_\_\_

---

o. Does the proposed action have the potential to produce odors for more than one hour per day?  Yes  No  
 If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:  
 \_\_\_\_\_

---

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage?  Yes  No

If Yes:

i. Product(s) to be stored \_\_\_\_\_

ii. Volume(s) \_\_\_\_\_ per unit time \_\_\_\_\_ (e.g., month, year)

iii. Generally describe proposed storage facilities: \_\_\_\_\_

---

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation?  Yes  No

If Yes:

i. Describe proposed treatment(s):  
 \_\_\_\_\_

ii. Will the proposed action use Integrated Pest Management Practices?  Yes  No

---

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)?  Yes  No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: \_\_\_\_\_ tons per \_\_\_\_\_ (unit of time)
- Operation : \_\_\_\_\_ tons per \_\_\_\_\_ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: \_\_\_\_\_
- Operation: \_\_\_\_\_

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: \_\_\_\_\_
- Operation: \_\_\_\_\_

s. Does the proposed action include construction or modification of a solid waste management facility?  Yes  No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): \_\_\_\_\_

ii. Anticipated rate of disposal/processing:

- \_\_\_\_\_ Tons/month, if transfer or other non-combustion/thermal treatment, or
- \_\_\_\_\_ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: \_\_\_\_\_ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste?  Yes  No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: \_\_\_\_\_

ii. Generally describe processes or activities involving hazardous wastes or constituents: \_\_\_\_\_

iii. Specify amount to be handled or generated \_\_\_\_\_ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: \_\_\_\_\_

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility?  Yes  No

If Yes: provide name and location of facility: \_\_\_\_\_

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: \_\_\_\_\_

**E. Site and Setting of Proposed Action**

**E.1. Land uses on and surrounding the project site**

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

Urban  Industrial  Commercial  Residential (suburban)  Rural (non-farm)

Forest  Agriculture  Aquatic  Other (specify): Utilities

ii. If mix of uses, generally describe: \_\_\_\_\_

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.0	0.0	0.0
• Forested	8.7	7.7	-1.0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0.0	1.2	+1.2
• Agricultural (includes active orchards, field, greenhouse etc.)	0.0	0.0	0.0
• Surface water features (lakes, ponds, streams, rivers, etc.)	1	1.1	+0.1
• Wetlands (freshwater or tidal)	0.1	0.0	-0.1
• Non-vegetated (bare rock, earth or fill)	0.0	0.0	0.0
• Other Describe: <u>Existing Concrete Building Foundation</u>	0.2	0.0	-0.2

c. Is the project site presently used by members of the community for public recreation?  Yes  No  
 i. If Yes: explain: \_\_\_\_\_

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site?  Yes  No  
 If Yes,  
 i. Identify Facilities:  
 South Junior High School, Nora Cronin Presentation Academy, St. Francis of Assisi Elementary School, Liberty Street School, Healthy Kids Before/After School Program (New Windsor), Greater Hudson Valley Family Health Center, Newburgh Armory

e. Does the project site contain an existing dam?  Yes  No  
 If Yes:  
 i. Dimensions of the dam and impoundment:  
 • Dam height: \_\_\_\_\_ 12 feet  
 • Dam length: \_\_\_\_\_ 100 feet  
 • Surface area: \_\_\_\_\_ 1 acres  
 • Volume impounded: \_\_\_\_\_ 3 gallons OR **acre-feet**  
 ii. Dam's existing hazard classification: A  
 iii. Provide date and summarize results of last inspection:  
 7/20/2010, Data taken from NYSDEC Dam Inventory for Holden Dam (ID: 195-0535B) updated 7/6/2009; Inspection Results: Debris in spillway, voids and cracks in left crest of spillway, and undesirable growth on either side of the abutments. Project scope proposes a partial breach of Holden Dam.

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility?  Yes  No  
 If Yes:  
 i. Has the facility been formally closed?  Yes  No  
 • If yes, cite sources/documentation: \_\_\_\_\_  
 ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 iii. Describe any development constraints due to the prior solid waste activities: \_\_\_\_\_

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste?  Yes  No  
 If Yes:  
 i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:  
 The proposed Creek rechannelization transects a parcel (City of New Windsor, Orange County SBL: 9-1-65) which was a paper mill during the late 18th and early 19th centuries. An 1884 Sanborn Map identifies a Bleach House as part of the facility. A 1913 Sanborn Map shows sulfuric acid storage onsite.

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site?  Yes  No  
 If Yes:  
 i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply:  Yes  No  
 Yes – Spills Incidents database Provide DEC ID number(s): 1206663 (Sewer Failure 10/12, Closed)  
 Yes – Environmental Site Remediation database Provide DEC ID number(s): \_\_\_\_\_  
 Neither database  
 ii. If site has been subject of RCRA corrective activities, describe control measures: \_\_\_\_\_

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database?  Yes  No  
 If yes, provide DEC ID number(s): 336042, 336031, 1206663, B00127, B00188, 546031, 336077  
 iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):  
336036 (Remedial Design), E336075 (ERP), 336055 (Remedial Design), 336042 (Remedial Action), 336031 (Site Characterization), 1206663 (Closed), B00127 (Remedial Action), B00188 (Remedial Design), 546031 (Remedial Action), 336077 (Potential Registry)

v. Is the project site subject to an institutional control limiting property uses?  Yes  No

- If yes, DEC site ID number: \_\_\_\_\_
- Describe the type of institutional control (e.g., deed restriction or easement): \_\_\_\_\_
- Describe any use limitations: \_\_\_\_\_
- Describe any engineering controls: \_\_\_\_\_
- Will the project affect the institutional or engineering controls in place?  Yes  No
- Explain: \_\_\_\_\_

---

**E.2. Natural Resources On or Near Project Site**

a. What is the average depth to bedrock on the project site? \_\_\_\_\_ 1.5 to >6.6 feet

b. Are there bedrock outcroppings on the project site?  Yes  No  
 If Yes, what proportion of the site is comprised of bedrock outcroppings? \_\_\_\_\_ %

c. Predominant soil type(s) present on project site:

HoB	_____	36.2 %
MdB	_____	33.4 %
W	_____	11.0 %

d. What is the average depth to the water table on the project site? Average: \_\_\_\_\_ 0 to >6.6 feet

e. Drainage status of project site soils:  Well Drained: \_\_\_\_\_ 39.3 % of site  
 Moderately Well Drained: \_\_\_\_\_ 42.4 % of site  
 Poorly Drained \_\_\_\_\_ % of site

f. Approximate proportion of proposed action site with slopes:  0-10%: \_\_\_\_\_ 50.3 % of site  
 10-15%: \_\_\_\_\_ 0.5 % of site  
 15% or greater: \_\_\_\_\_ 23.3 % of site

g. Are there any unique geologic features on the project site?  Yes  No  
 If Yes, describe: \_\_\_\_\_

---

**h. Surface water features.**

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)?  Yes  No

ii. Do any wetlands or other waterbodies adjoin the project site?  Yes  No  
 If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency?  Yes  No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name Quassaick Creek Classification C, C
- Lakes or Ponds: Name Holden Pond Classification N/A
- Wetlands: Name Holden Pond (Freshwater Pond Wetland) Approximate Size 3 acre-feet
- Wetland No. (if regulated by DEC) \_\_\_\_\_

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies?  Yes  No  
 If yes, name of impaired water body/bodies and basis for listing as impaired: \_\_\_\_\_

---

i. Is the project site in a designated Floodway?  Yes  No

j. Is the project site in the 100 year Floodplain?  Yes  No

k. Is the project site in the 500 year Floodplain?  Yes  No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer?  Yes  No  
 If Yes:

i. Name of aquifer: \_\_\_\_\_

m. Identify the predominant wildlife species that occupy or use the project site: Wood Turtle, Painted Turtle, etc.  
Eastern Gray Squirrel, Eastern Cottontail      Northern Water Snake, Pickerel Frog  
Common Snapping Turtle, Green Frog      White-tailed Deer, Eastern Chipmunk  
Source: Assessment of Waterbodies and Watershed Resources (2012)

n. Does the project site contain a designated significant natural community?  Yes  No  
If Yes:  
i. Describe the habitat/community (composition, function, and basis for designation): \_\_\_\_\_  
ii. Source(s) of description or evaluation: \_\_\_\_\_  
iii. Extent of community/habitat:  
• Currently: \_\_\_\_\_ acres  
• Following completion of project as proposed: \_\_\_\_\_ acres  
• Gain or loss (indicate + or -): \_\_\_\_\_ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species?  Yes  No  
According to USFWS Orange County, NY is listed as potentially supporting the following species (not confirmed on project site): Dwarf Wedgemussel (Alasmidonta heterodon), Bog Turtle (Clemmys muhlenburgii), Indiana Bat (Myotis sodalis), Small Whorled Pogonia (Isotria medeoloides) – All sites within NY State have been extirpated (Small Whorled Pogonia Recovery Plan, 1992), Woodland Agrimony (Agrimonia striata)

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern?  Yes  No

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing?  Yes  No  
If yes, give a brief description of how the proposed action may affect that use: \_\_\_\_\_

**E.3. Designated Public Resources On or Near Project Site**

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304?  Yes  No  
If Yes, provide county plus district name/number: \_\_\_\_\_

b. Are agricultural lands consisting of highly productive soils present?  Yes  No  
i. If Yes: acreage(s) on project site? \_\_\_\_\_  
ii. Source(s) of soil rating(s): \_\_\_\_\_

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark?  Yes  No  
If Yes:  
i. Nature of the natural landmark:  Biological Community       Geological Feature  
ii. Provide brief description of landmark, including values behind designation and approximate size/extent: \_\_\_\_\_

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area?  Yes  No  
If Yes:  
i. CEA name: \_\_\_\_\_  
ii. Basis for designation: \_\_\_\_\_  
iii. Designating agency and date: \_\_\_\_\_

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
<i>i.</i> Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input checked="" type="checkbox"/> Historic Building or District	
<i>ii.</i> Name: <u>East End Historic District</u>	
<i>iii.</i> Brief description of attributes on which listing is based:	
The site's proximity to the New York State Armory (approx. 1,500 ft) and Washington's Headquarters (approx. 2,500 ft from project site)	
f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
g. Have additional archaeological or historic site(s) or resources been identified on the project site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Describe possible resource(s): _____	
<i>ii.</i> Basis for identification: _____	
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
<i>i.</i> Identify resource: <u>Washington's Headquarters (0.5 miles), Hudson River (0.1 miles)</u>	
<i>ii.</i> Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): <u>Revolutionary War Heritage Trail</u>	
<i>iii.</i> Distance between project and resource: <u>See above</u> miles.	
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Identify the name of the river and its designation: _____	
<i>ii.</i> Is the activity consistent with development restrictions contained in 6NYCRR Part 666?	<input type="checkbox"/> Yes <input type="checkbox"/> No

**F. Additional Information**

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

**G. Verification**

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name \_\_\_\_\_ Date \_\_\_\_\_

Signature \_\_\_\_\_ Title \_\_\_\_\_

## Required Approvals for West Trunkline Sewer Corridor Improvements Project

Agency	Required Approval
City of Newburgh	Council Approval
Newburgh City Council Zoning Board of Appeals	Council Approval
New Windsor Town Zoning Board of Appeals	Board Approval
CSX Transportation, Inc.	Right of Entry/Maintenance Agreement
New York State Department of Transportation	Highway Work Permit (Utility)
New York State Environmental Facilities Corporation	Approval for Wastewater Improvements
New York State Department of Environmental Conservation	Water Quality Permit, Freshwater Wetlands Permit
New York State Department of State	Coordination Letter
Army Corps of Engineers	Nationwide Permit #27
United States Fish and Wildlife Service	Declaration of No Impact

RESOLUTION NO.: 119 - 2014

OF

MAY 12, 2014

**A RESOLUTION ACCEPTING THE NORTHEAST ORANGE COUNTY  
WATER SUPPLY PROJECT FACILITY PLAN**

**WHEREAS**, in November 2010, the Orange County Water Authority (the "OCWA") completed the Northeast Orange County Water Supply Feasibility Study (the "Feasibility Study") which addressed the future water resource needs of the Towns of Newburgh and New Windsor and the City of Newburgh (the "Municipalities") and evaluated the feasibility of constructing a regional water treatment facility that would serve each of the three municipalities; and

**WHEREAS**, by Resolution No. 263-2010 of November 22, 2010, the City Council of the City of Newburgh authorized participation in a joint grant application with the Orange County Water Authority and the Towns Newburgh and New Windsor seeking funding for a regional water project and declared its intention to enter into inter-municipal agreements in connection with the project; and

**WHEREAS**, in July 2012, the OCWA was awarded a New York State Department of State Local Government Efficiency Grant to fund the Northeast Orange County Water Supply Implementation Project (the "Project") for the purpose of refining and evaluating the financial and technical details associated with the water supply alternative identified in the Feasibility Study and to select a preferred regional water supply alternative and develop a facility plan that meets the parties' requirements and provides the basis for inter-municipal agreements; and

**WHEREAS**, by Resolution No. 136-2012 of August 13, 2012, the City Council of the City of Newburgh declared its support for the implementation of the grant procured by the OCWA; authorized the City Manager to identify a representative who will attend project working group meetings, as well as share data, documents, and drawings with the consultants implementing the grant; agreed to work with the other Municipalities to enter inter-municipal agreements detailing the terms and conditions of water sharing; and declared its support of the efforts of the County of Orange in advancing the design of the priority interconnection projects and securing funds from the NYCDEP to design and build the priority projects; and

**WHEREAS**, the OCWA and its consultants have completed a report that includes investigation and review of the options for supplemental water supply to the region; the development of a facility plan for optimal water supply interconnections to improve overall system

reliability within the region and the establishment of an institutional framework to facilitate the implementation of an overall regional water supply plan; and

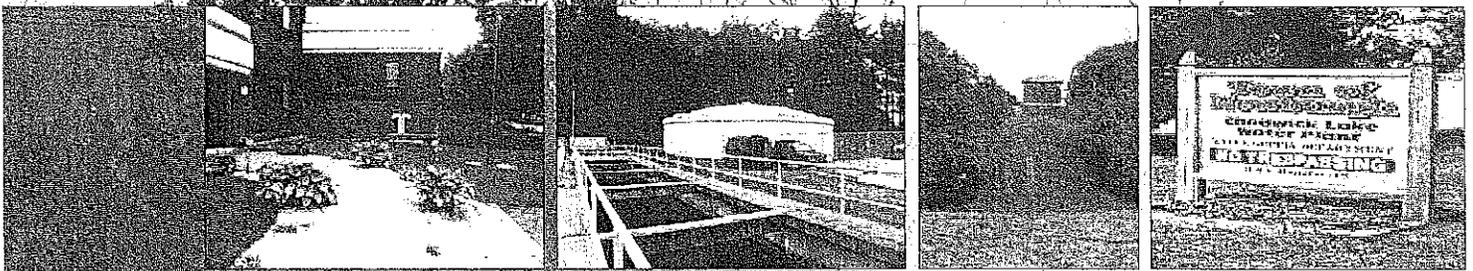
**WHEREAS**, the City of Newburgh recognizes and appreciates the need to develop a safe, reliable and adequate water supply to serve the inhabitants of the Northeast Orange County region now and for the foreseeable future;

**NOW, THEREFORE, BE IT RESOLVED**, that the City Council of the City of Newburgh hereby reaffirms its commitment to OCWA, the Municipalities and to the Project and adopts the findings, conclusions and recommendations of the Northeast Orange County Water Supply Project Facility Plan dated April 2014.

# Executive Summary



**FINAL**



## Northeast Orange County Water Supply Project

# FACILITY PLAN

Orange County Water Authority  
Grant Contract Number C-108820

April 2014



Prepared by:



THE  
*Chazen*  
COMPANIES



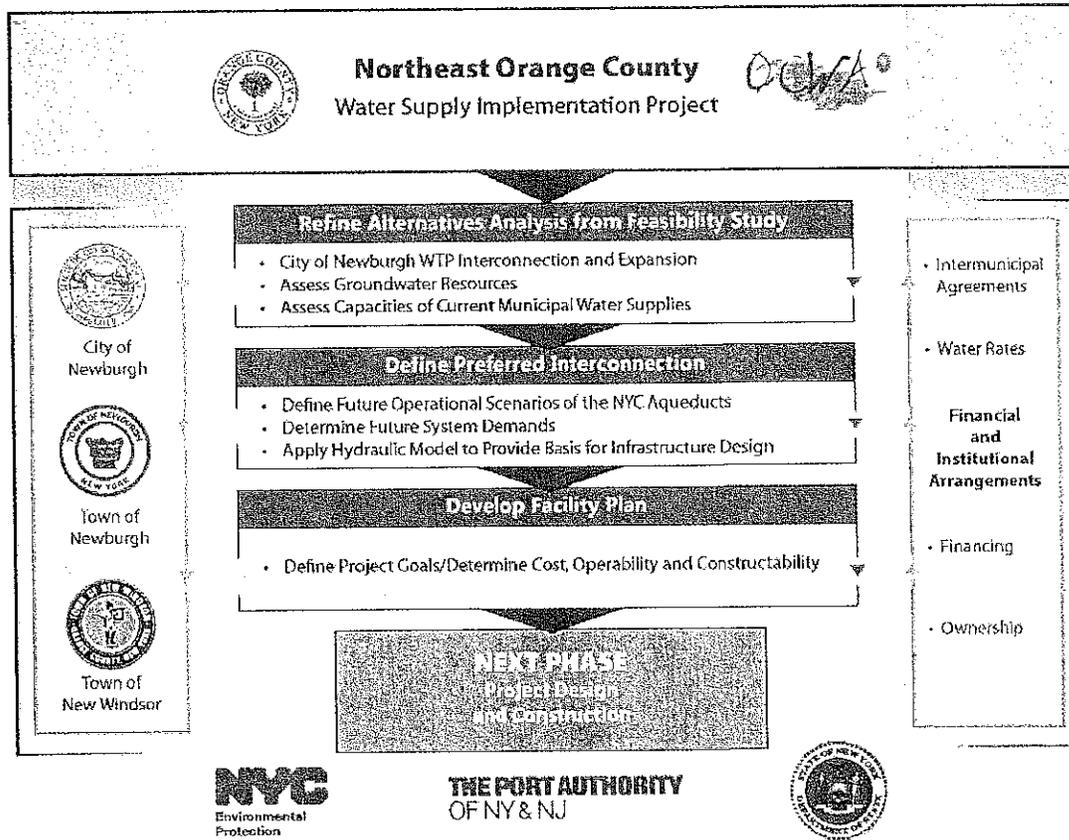
and

This work is funded in part by a Local Government Efficiency Grant from the  
New York State Department of State



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# Northeast Orange County Water Supply Implementation Project



## ABSTRACT

Orange County, N.Y. relies on water from both surface and ground water sources within 11 watershed basins as well as water from the New York City Aqueduct System. The Orange County Water Authority (OCWA) completed the Northeast Orange County (NE OC) Water Supply Feasibility Study in November 2010. This study addressed the future water resource needs of the Towns of Newburgh and New Windsor, and the City of Newburgh, and evaluated the feasibility of constructing a "regional" water treatment facility that would serve each of these municipalities.

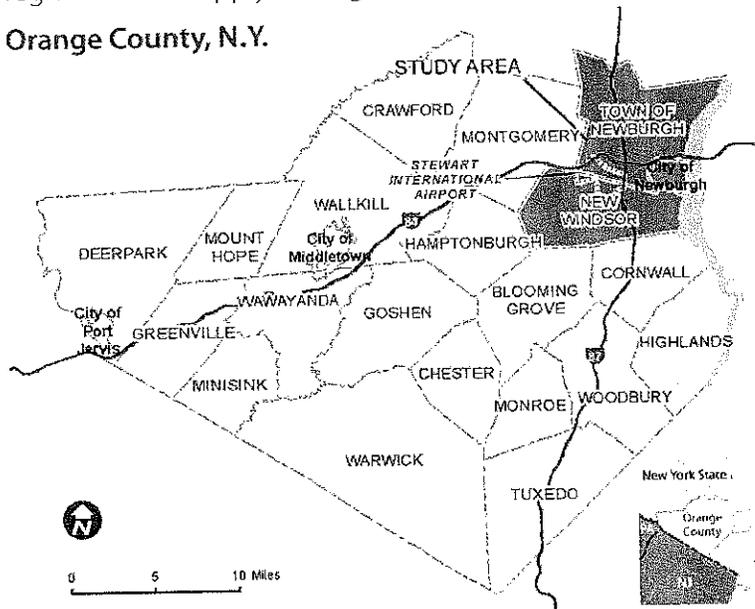
In 2011, the OCWA filed an application for and was awarded a project implementation grant application under the New York State Department of State Local Government Efficiency (LGE) Grant Program. This grant partially funded the NE OC Water Supply Implementation Project which has two primary objectives: (1) to refine and evaluate the financial and technical details associated with each of the water supply alternatives identified in the feasibility study, and (2) to select a preferred regional water supply alternative and develop a facility plan which meets the requirements of all parties involved and provides the basis for the establishment of a number of inter-municipal agreements.

This report presents the results of the work that has been performed since the grant was awarded in July 2012. Tasks undertaken as part of this work include an investigation of the options for supplemental water supply to the region, the development of a facility plan (conceptual design) for optimal water supply interconnections to improve overall system reliability within the region, and the establishment of an institutional framework to facilitate the implementation of an overall regional water supply plan.

## The Need for Regional Sharing

The Northeast Section of the County is dependent on the NYC Aqueduct System for which shutdowns are planned. In addition, water quality problems result in water shortages and require improved system reliability. There is a need for regional water supply sharing in order to:

### Orange County, N.Y.



- Provide for Interconnections between the City of Newburgh and the Towns of Newburgh & New Windsor that will allow for the three systems to operate relatively independent of the NYC Water Supply system.
- Provide for water supply capacity to address times when the NYC aqueduct supply is unavailable (both Catskill and Delaware).
- Provide for improved reliability among all three municipal supplies.
- Provide additional water supply capacity to address future growth projected within the Northeast Orange County area.

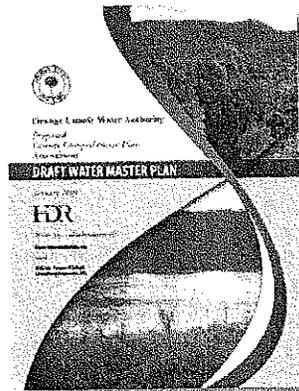
## Current Water Supply Conditions

- **Town of Newburgh**  
(8.7 MGD capacity):  
**Delaware Aqueduct Shaft 5A**  
(6.0 MGD with new plant in operation in 2014);  
**Chadwick Lake** (2.7 MGD dependable yield/2.1 safe yield)
- **Town of New Windsor**  
(3.93 MGD):  
**Catskill Aqueduct at Stewart Airport** (0.5 MGD) &  
**at Riley Road** (3.0 MGD),  
0.432 MGD wells (Silver Stream Reservoir-Emergency)
- **City of Newburgh**  
(8.85 MGD):  
**Washington Lake + Silver Stream Reservoir**  
(6.6 MGD dependable/3.7 MGD safe yield),  
**Catskill Aqueduct** (4.5 MGD)

## PREVIOUS STUDIES

August 2010

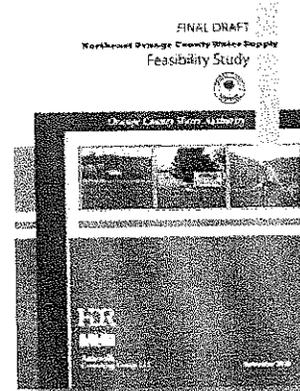
Orange County Water Authority  
Proposed County Comprehensive Plan  
Amendment  
Draft Water Master Plan



**Conclusion:** Northeast area of the County needs a water sharing plan

November 2010

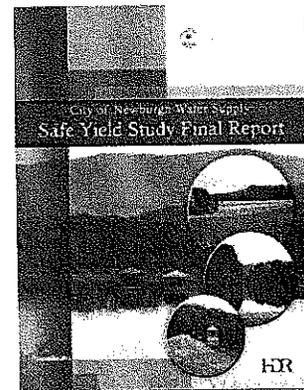
Northeast Orange County Water Supply  
Feasibility Study



**Conclusion:** City of Newburgh Water Supply best option for supplying water regionally.

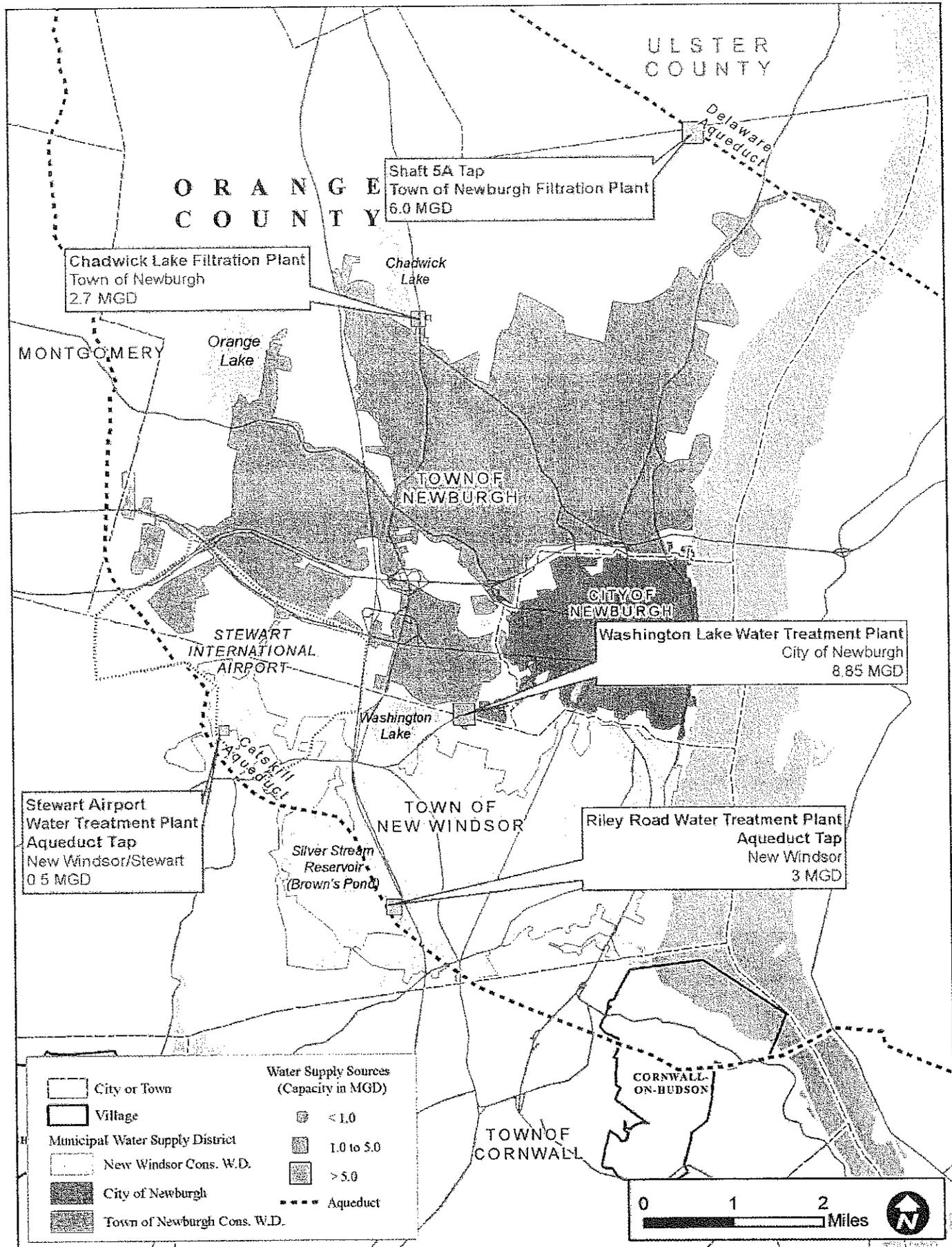
June 2012

City of Newburgh Water Supply  
Safe Yield Study Final Report

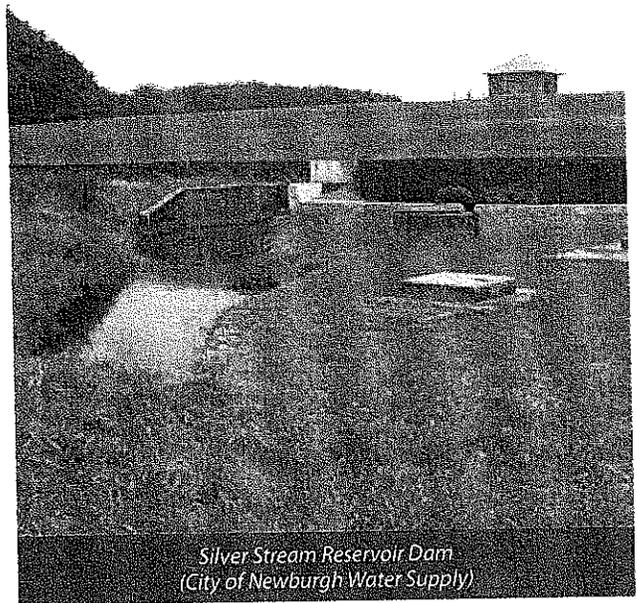
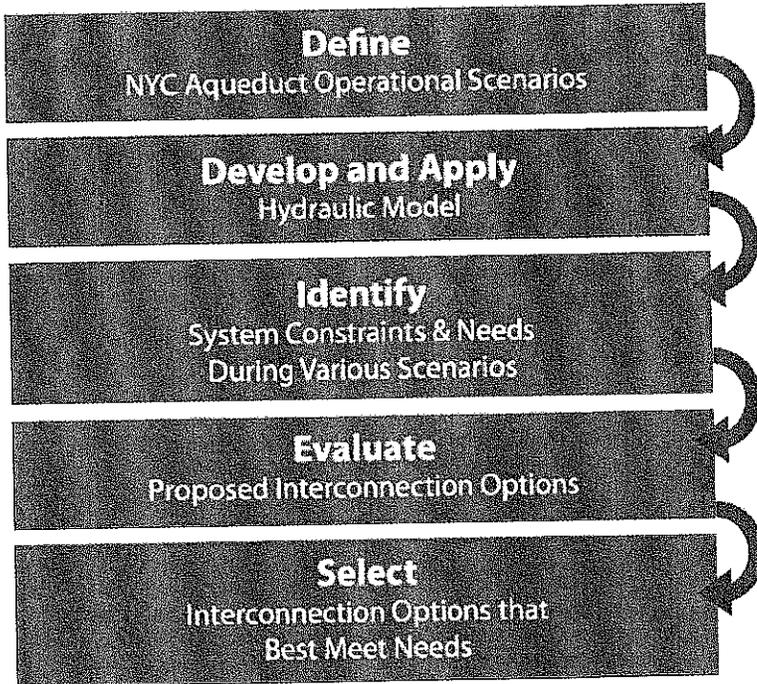


**Conclusion:** Determined drought and non-drought safe yields.

# Study Area - Northeast Orange County, NY

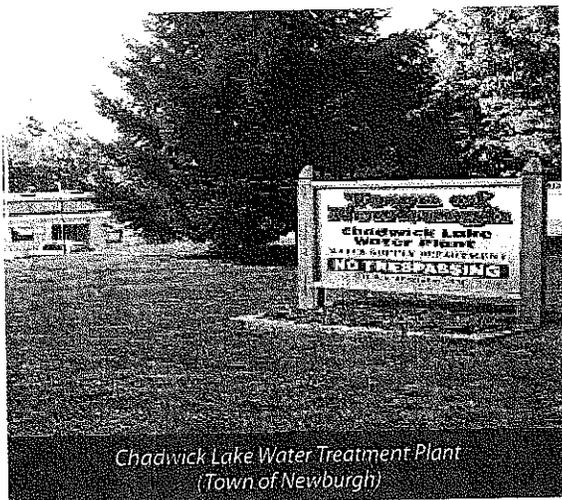


# Analytical Approach



Silver Stream Reservoir Dam  
(City of Newburgh Water Supply)

Operational Scenario	Municipality Affected
1. Both Catskill & Delaware Aqueducts in Service	Baseline - ample supply
2. Catskill Aqueduct - Out of Service	Town of New Windsor
3. Delaware Aqueduct - Out of Service	Town of Newburgh
4. Delaware Aqueduct - Out of Service and the Catskill Aqueduct is turbid	Town of Newburgh & Town of New Windsor
5. Delaware Aqueduct - In Service and the Catskill Aqueduct is turbid	Town of New Windsor



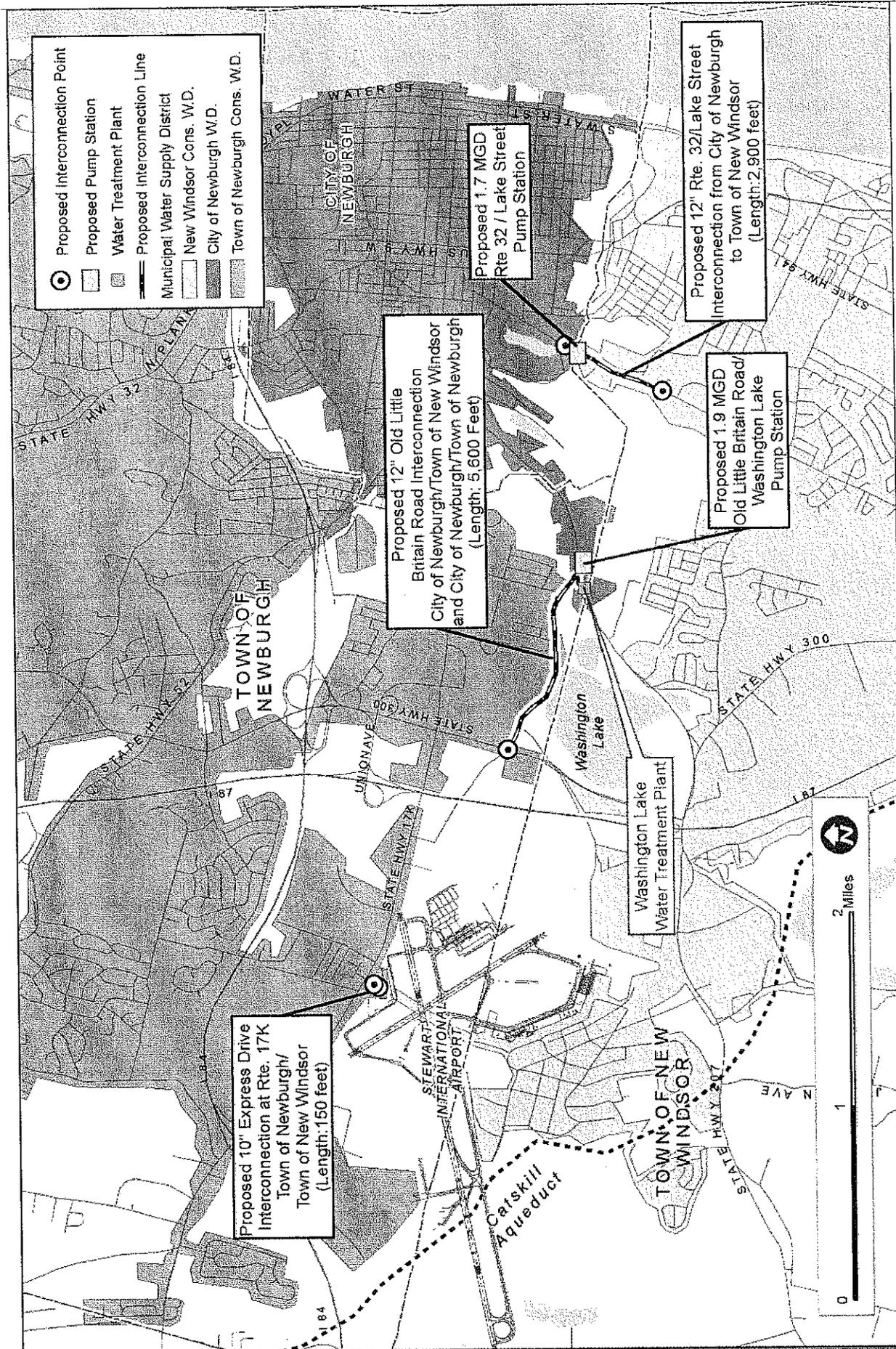
Chadwick Lake Water Treatment Plant  
(Town of Newburgh)

## HYDRAULIC MODELING METHODOLOGY

- Used system asset data which was supplied in ESRI ArcGIS shapefile format.
- Modeling System used was WaterCAD V8i Select Series3 by Bentley (enhanced version of EPANET v2.0).
- Model simulated the bulk water transfer between the water districts and informed the conceptual design.
- Assessment provided basis for sizing pump stations & water mains, defining interconnections and pressure reducing valve needs, and establishing operating procedures.

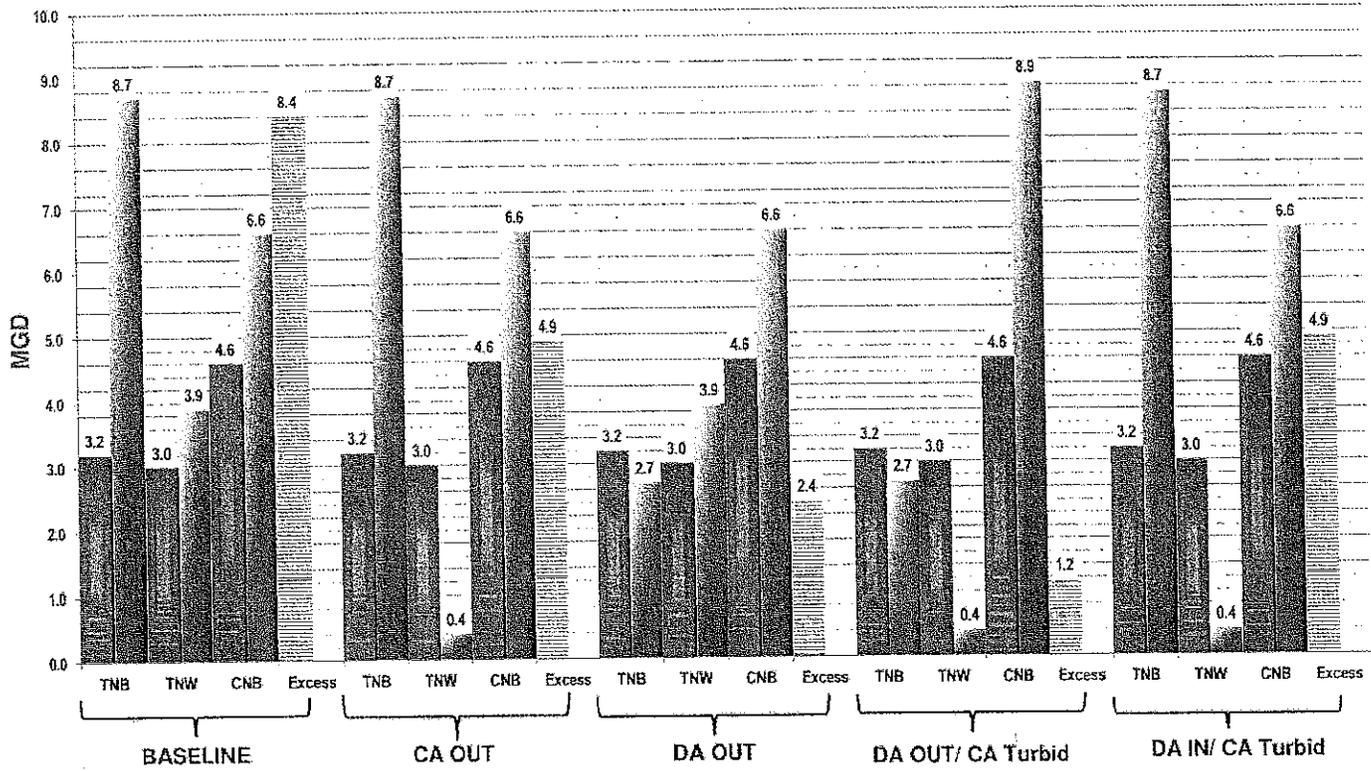


# Selected Interconnections

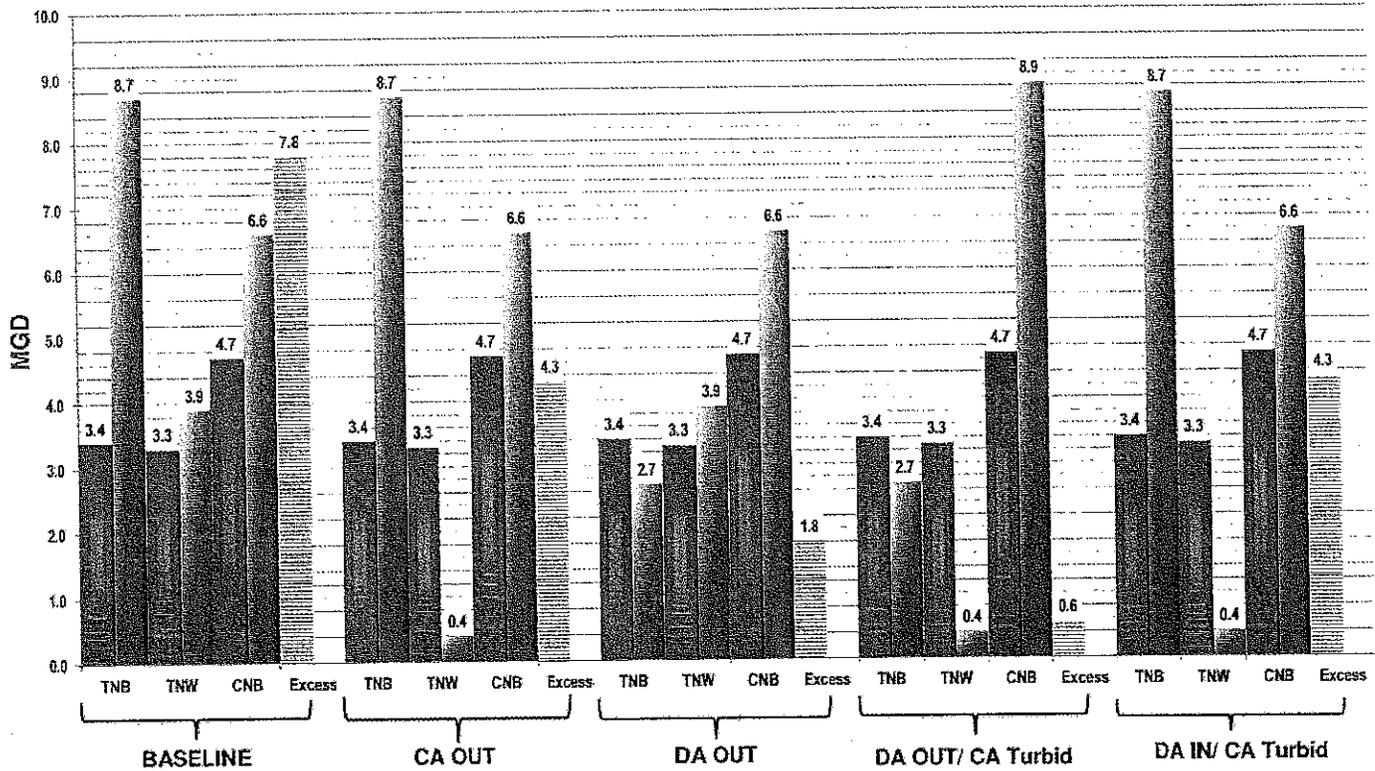


# NEOC Operating Scenarios

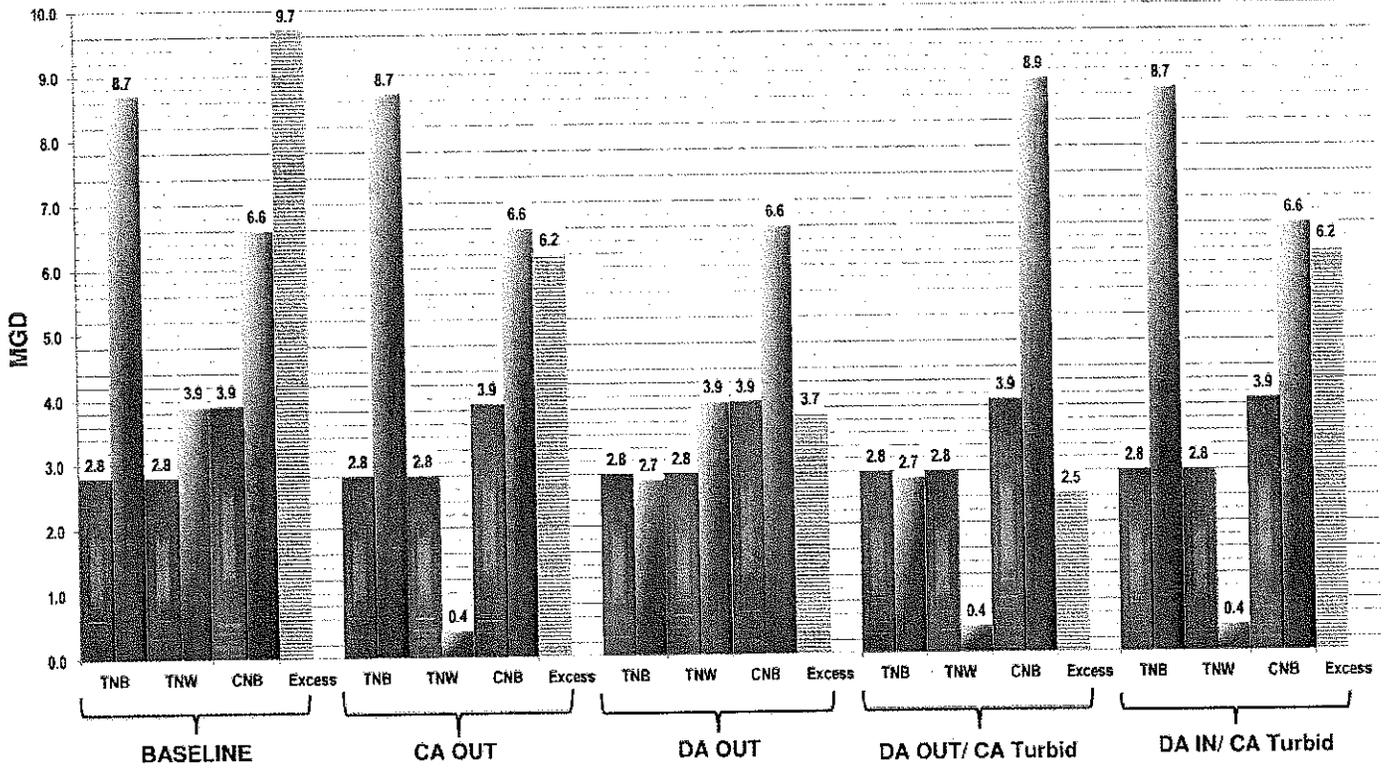
With 2012 Average Annual Supply and Demands



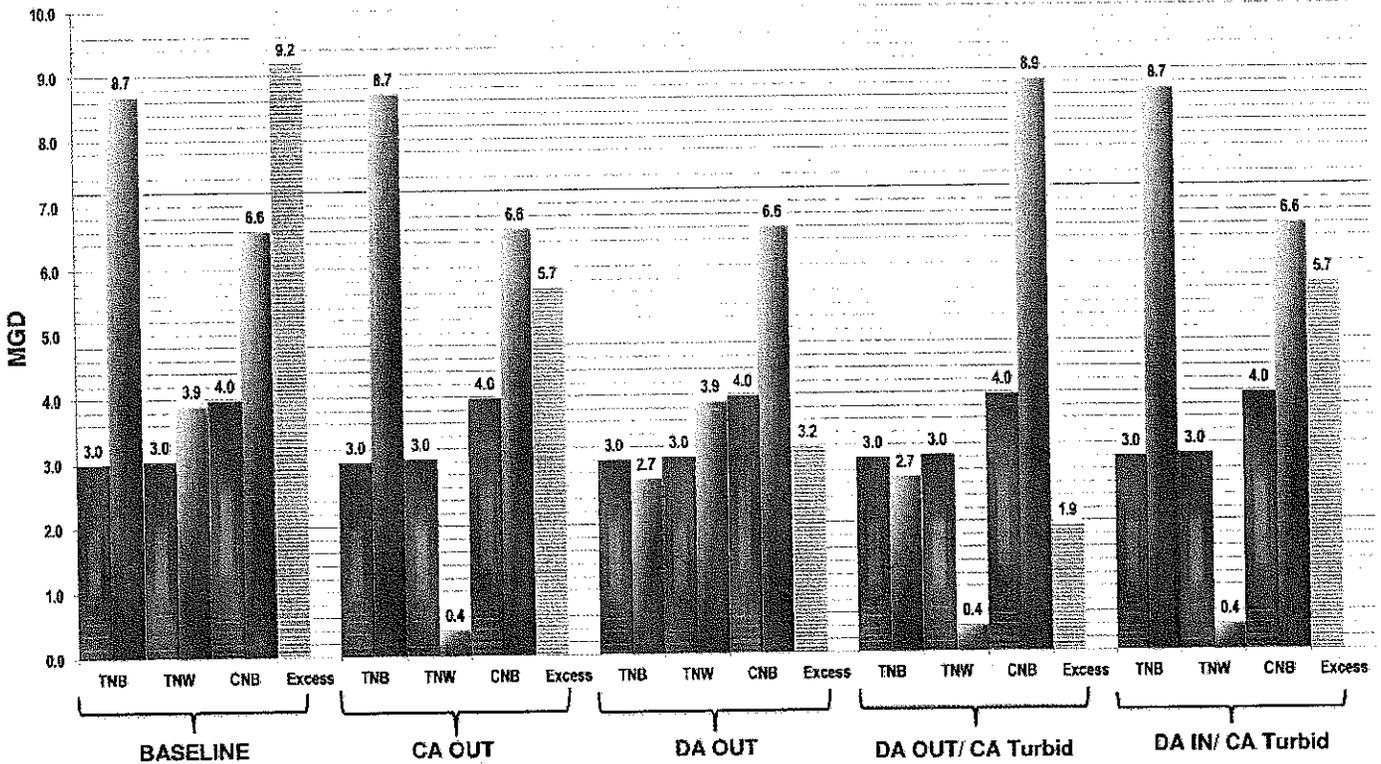
With 2021 Average Annual Supply and Demands



With 2012 Off-Peak Supply and Demands



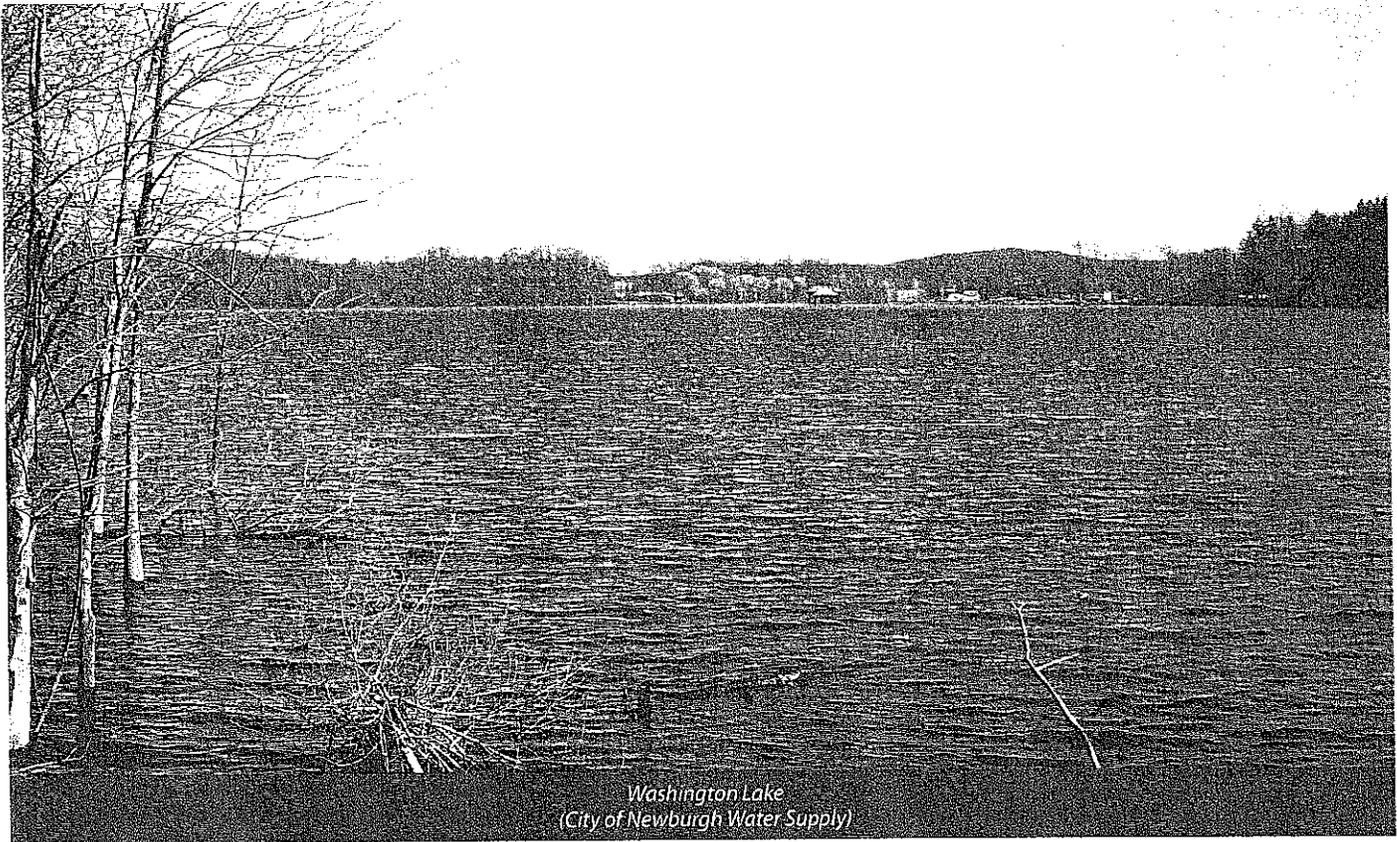
With 2021 Off-Peak Supply and Demands



TNB: Town of Newburgh  
 TNW: Town of New Windsor  
 CNB: City of Newburgh

DA: Delaware Aqueduct  
 CA: Catskill Aqueduct

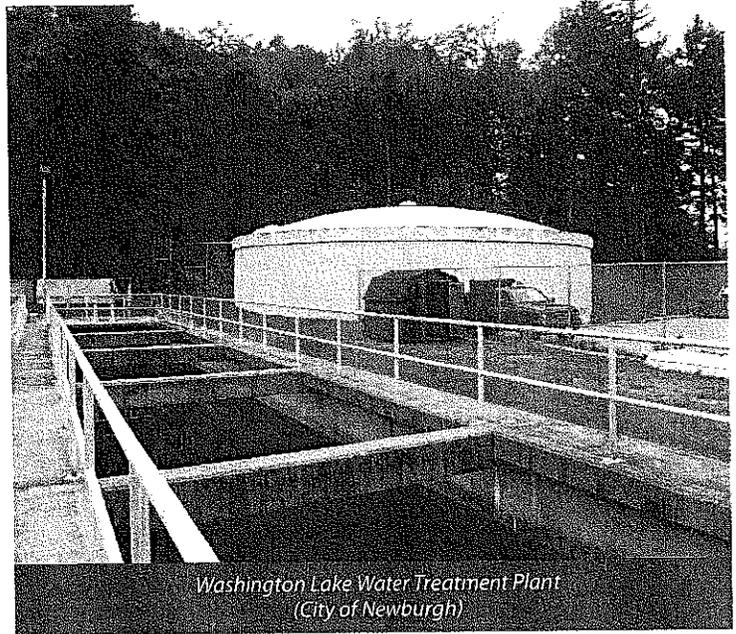
# Project Implementation and Facility Planning



Interconnection	Description	Cost	Functionality
1. Old Little Britain Road	5,600 LF of 12-in. main + 1.9 MGD pump station	\$5.0M	Will provide water to both Towns from the City of Newburgh - greatest functionality when either aqueduct out of service.
2. Lake Street	2,900 LF of 12-in. main + 1.7 MGD pump station	\$3.6M	Will provide water to the Town of New Windsor from the City of Newburgh; support during Catskill Aqueduct outage.
3. Express Drive	150 LF of 10-in. main	\$100K	Will provide water from the Town of Newburgh to the Town of New Windsor - gravity flow.
4. City of Newburgh Washington Lake Water Treatment Plant Upgrade	One new finished and raw water pump, plate settlers for west sedimentation basins, 2 new chemical metering pumps each for new PACI, PAC and KMNO4	\$2.8M	Hydraulic and chemical feed system upgrade to facilitate the plant to operate at full permitted capacity.
<b>TOTAL COST</b>		<b>\$11.5M</b>	

## Conclusions

- Three potential sources of supplemental water are available to increase the reliability of the water supply to the region; they include groundwater, surface water, and interconnections within the three existing water districts;
- An evaluation of safe yield, water system capacities, and various New York City operating scenarios determined that the institution of a series of strategically placed interconnections between the three water districts provided the most expedient means of addressing both current and future water supply needs of the region, however a groundwater supply located within Butterhill Park in New Windsor has recently been identified as a potential source of supply for the southern section of the Town;
- The application of a system-wide hydraulic model was used to define the basis for sizing of the alternative pump stations & interconnections, and the operating procedures necessary to achieve water sharing between the three municipalities;
- The City Newburgh water treatment plant will need to be upgraded to achieve the level of treatment necessary to meet demands at higher flows. These upgrades have been identified as part of this facility plan;
- An opinion of most probable costs of \$11.5M total was determined for establishing the necessary interconnections (\$8.7M) as well as the necessary upgrades to the Washington Lake water treatment plant (\$2.8M).

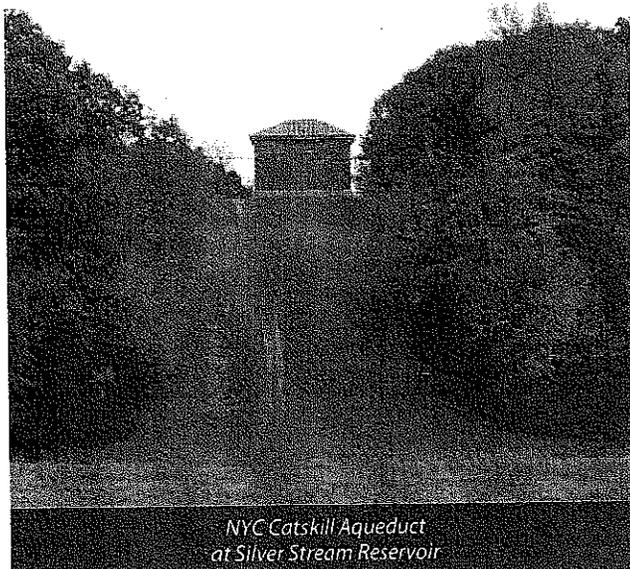


*Washington Lake Water Treatment Plant  
(City of Newburgh)*

## Recommendations

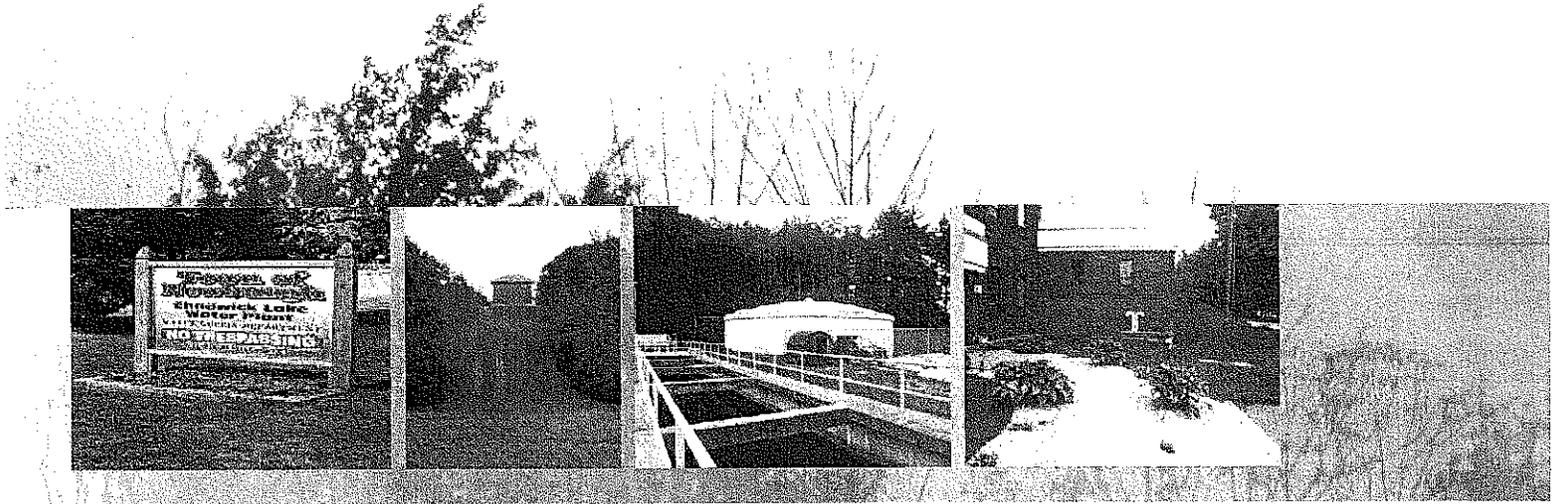
The following items are recommended to be included as tasks for advancing this project into the basis of design and final design stages:

- Further refinement of the safe yield analysis for the City of Newburgh Water Supply;
- Further refinement of the City of Newburgh Washington Lake WTP assessment;
- Performance testing of the City of Newburgh Washington Lake WTP;
- Equipment sizing for recommended upgrades at the City of Newburgh Washington Lake WTP
- Performance testing of the Silver Stream Reservoir pump station;
- Performance of a follow up condition assessment of the Washington Lake Intake Structure;
- Distribution system model evaluation & pressure testing;
- Integration of groundwater development into the distribution system of the Town of New Windsor and the potential use of the new groundwater source by the Town of Newburgh and the City of Newburgh



*NYC Catskill Aqueduct  
at Silver Stream Reservoir*

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Prepared by:



and

