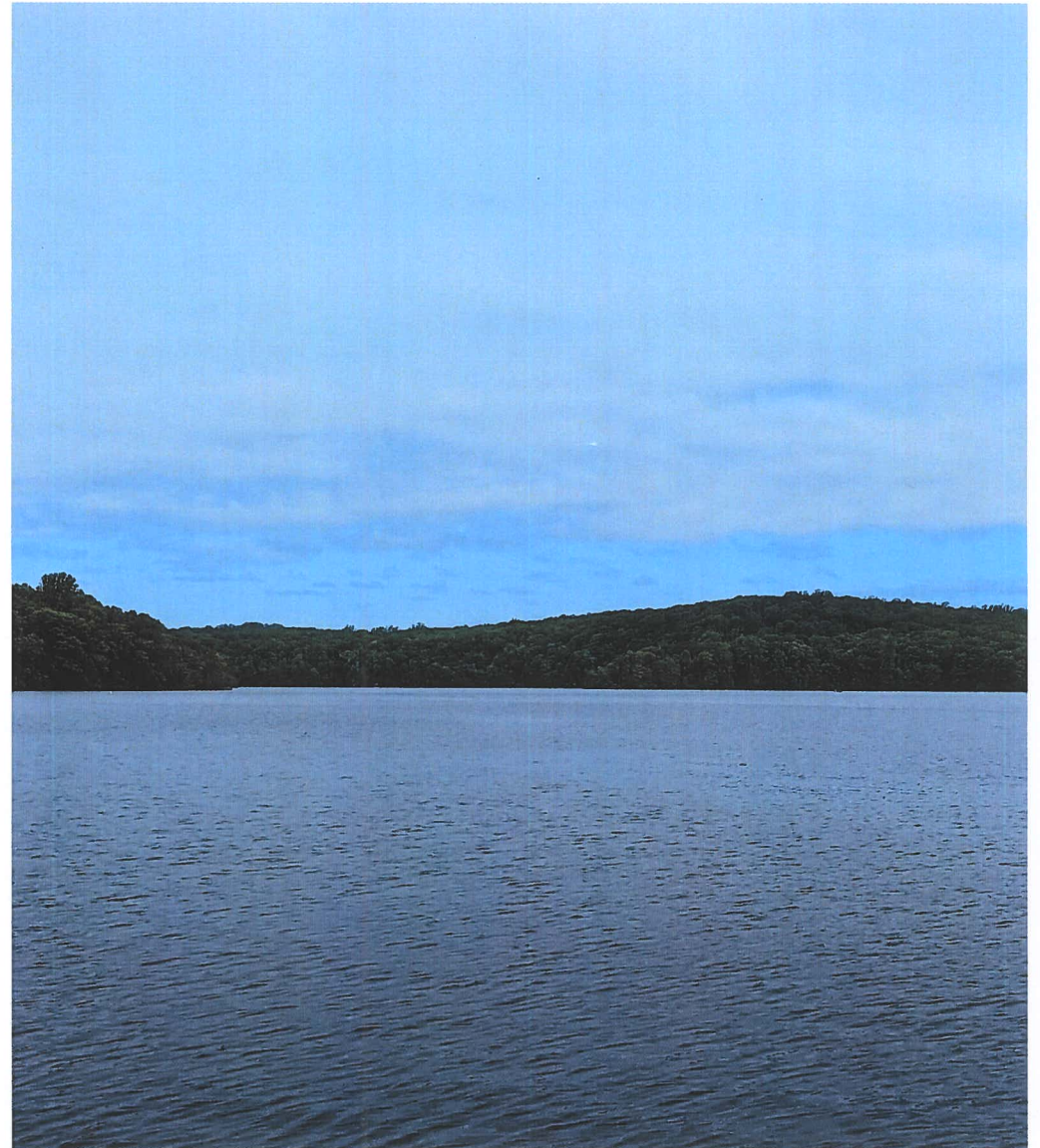




Westchester Joint
Water Works

Rye Lake Water Filtration Plant

WJWW Board Meeting
October 26, 2021



Rye Lake Water Filtration Plant



Treatment Selection

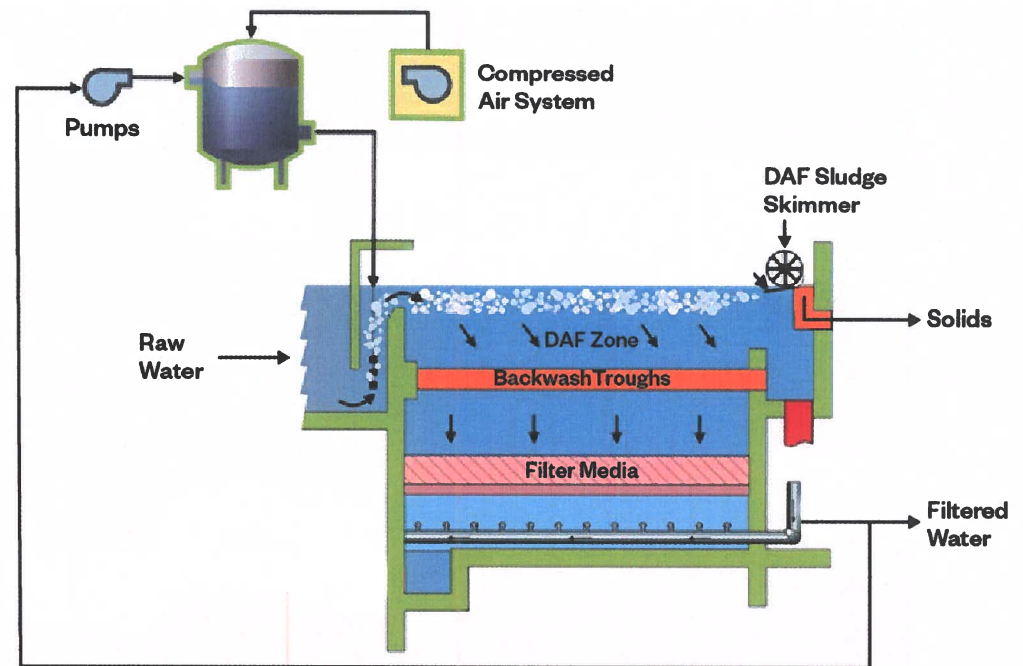
- Dissolved Air Flotation/Filtration (DAFF) treatment
- Used widely throughout the Northeast on similar water supplies

Capacity

- 30 million gallons per day

Building Size

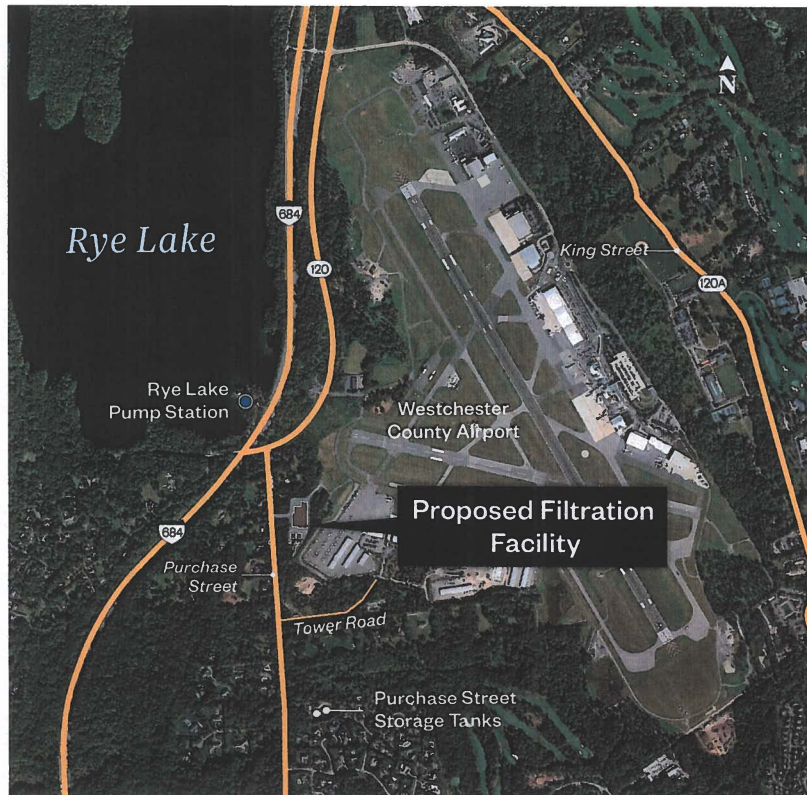
- Approximately 1 acre



Proposed Water Filtration Plant Site Plan



**WESTCHESTER JOINT
WATER WORKS**



Approvals & Permits

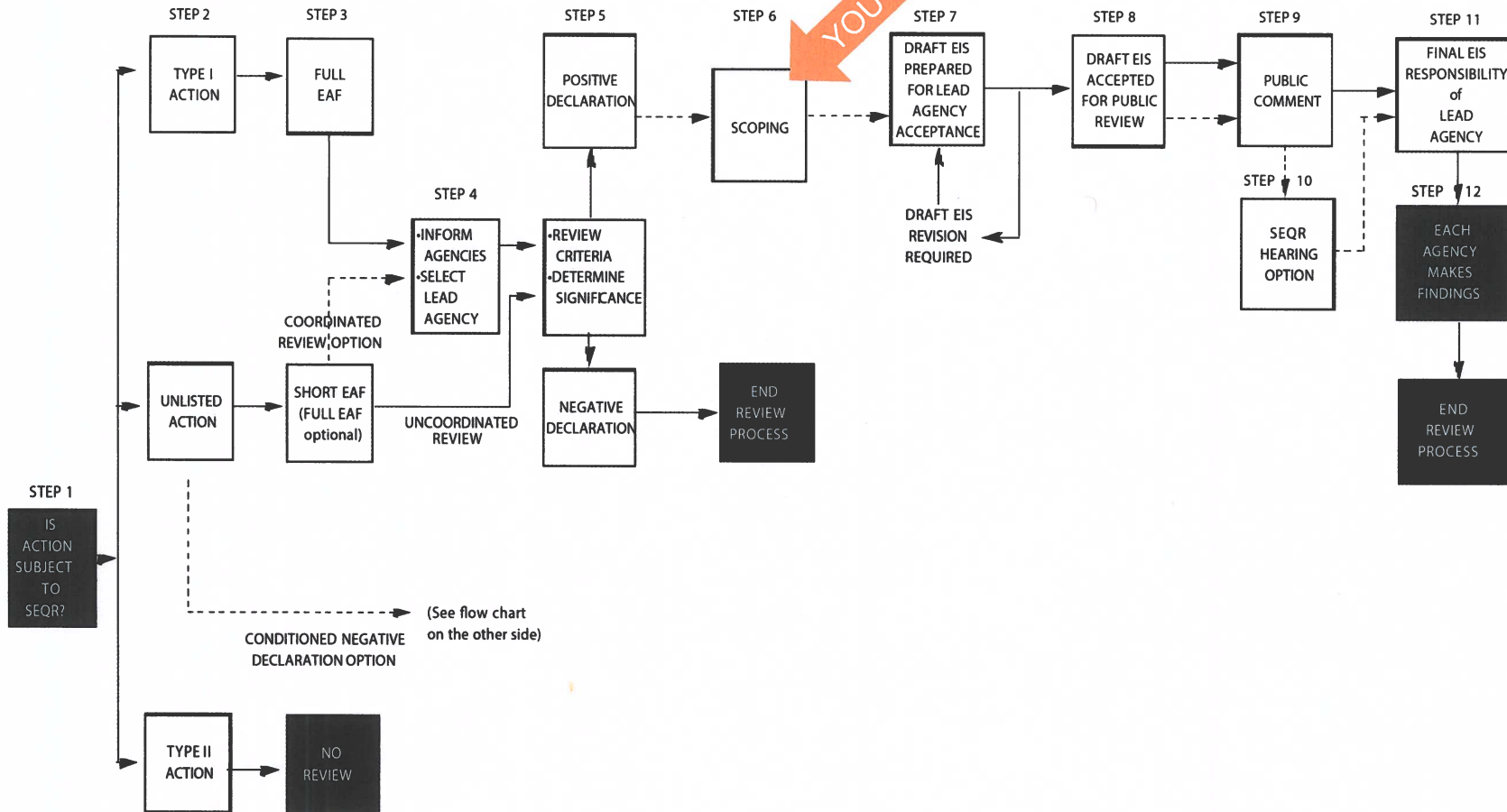
Agency	Permit/Approval
US EPA	<ul style="list-style-type: none"> • Compliance with Administrative Order • WIFIA Program
USACOE	<ul style="list-style-type: none"> • Wetlands / Section 404 Clean Water Act
US FWS	<ul style="list-style-type: none"> • Endangered Species Consultation
FAA	<ul style="list-style-type: none"> • Notice of Proposed Construction or Alteration
NYS DEC	<ul style="list-style-type: none"> • SPDES General and Industrial • Water Quality Certification • Freshwater Wetlands
Enviro Facilities Corp / NYSDOH	<ul style="list-style-type: none"> • Drinking Water State Fund Program • Water Infrastructure Improvement Act Grant
NYS DOH	<ul style="list-style-type: none"> • Compliance with Court Order • Approval of Treatment Process and Plant Design & Completed Works
NYS OPRHP	<ul style="list-style-type: none"> • Historic Consultation
NYC DEP	<ul style="list-style-type: none"> • SMPPP Review and Approval
Westchester County DOH	<ul style="list-style-type: none"> • Approval of Completed Work
Westchester County Board of Legislators	<ul style="list-style-type: none"> • Approvals for obtaining property rights and sewer easements

Agency	Permit/Approval
Westchester DPW	<ul style="list-style-type: none"> • Building Approvals and Road Permits
County Department of Environmental Facilities	<ul style="list-style-type: none"> • Sewer Connection Approval
Westchester County Planning Board	<ul style="list-style-type: none"> • Administrative Review
Town & Village of Mamaroneck, Town/Village of Harrison Town Boards	<ul style="list-style-type: none"> • Funding Approval
Town/Village of Harrison Planning Board	<ul style="list-style-type: none"> • Freshwater Wetlands Permit • Site Plan Approval
Town/Village of Harrison Town Board	<ul style="list-style-type: none"> • Special Exception Use Permit
Town/Village of Harrison Architectural Review Board	<ul style="list-style-type: none"> • Architecture Approval
Town/Village of Harrison Building Department	<ul style="list-style-type: none"> • Building Permit • Tree Removal Permit
Town/Village of Harrison Building Department	<ul style="list-style-type: none"> • Land Disturbance Approval
Town/Village of Harrison Department of Public Works	<ul style="list-style-type: none"> • Street Opening Permit
Town/Village of Harrison Zoning Board	<ul style="list-style-type: none"> • Area Variance

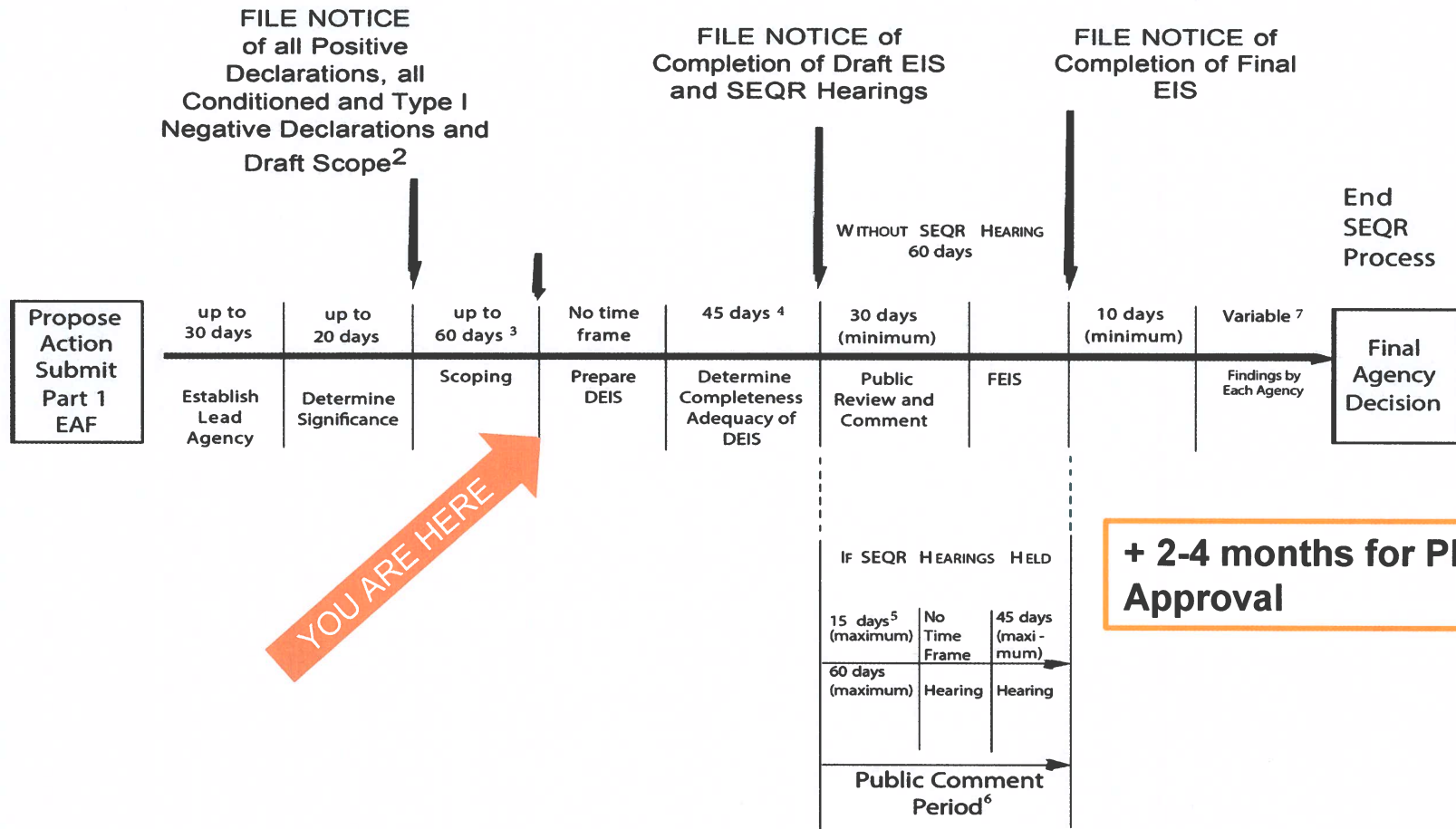
SEQRA Process



**WESTCHESTER JOINT
WATER WORKS**



SEQRA Timeline



SEQR Technical Team

Hazen



NELSON POPE VOORHIS
environmental • land use • planning

B. LAING  ASSOCIATES

Kimley»»Horn

Changes to the Final Scope



- **Community Character & Visual Impacts –**
 - Included an additional location for visual analysis (between the Quaker Meeting House and the Project Site)

- **Utilities –**
 - Discuss in detail the new sewer line and any upgrades to the Airport Collection System or Trunk Line as a result will be incorporated into DEIS and FEIS

- **Stormwater-**
 - Analyze for the 500-year storm event

- **Public Health –**
 - Discuss all recent field investigations and additional testing at the Project Site
 - Discuss any chemicals and hazardous materials that may be required for plant operations

- **Other Environmental Impacts –**
 - Discussion of the use of photovoltaic panels to reduce net energy consumption
 - Discussion of plant's operation carbon footprint and qualitative analysis of the carbon impact of the construction of the Project and tree removal and replacement

EIS Scope- Alternatives



Summarize prior alternatives investigated to achieve regulatory compliance

Alternative #1

- No Action- Discusses the scenario where the status of existing land use remains unchanged

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, which is also outside the Kensico Reservoir Basin

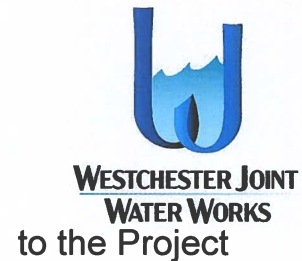
Alternative #3

- Alternative Filtration Technology - Discuss the potential of meeting the EPA Administrative Order, Judgment and Order of New York State Supreme Court, and current federal drinking water standards through another technology other than what is proposed in the Proposed Action

Alternative #4

- Alternative Façade Treatments

EIS Scope- Alternatives



Alternative #5

- Use of Tower Road- Discusses the scenario where Tower Road is an alternative entrance Site

Alternative #6

- Alternative Site Plan Tower Road- Discuss locating the plant along the north side of Tower Road

Alternative #7

- Alternative Site Plan Rye Lake Pump Station- Discuss locating the plant at the current Rye Lake Pump Station Site

Alternative #8

- Alternative Site Plan Harrison SBL 0097.1 - Discuss locating the plant on property near the intersection of Purchase Street and New King Street, currently owned by New York City

Alternative #9

- Alternative Shaft 20 Alternative- Discuss the construction of a pipeline connecting to the New York City Shaft 20 in Greenburgh