

## MEETING MINUTES

**Date:** Thursday, September 21, 2023 at 6:30 P.M.

**Location:** East Hampton Town Hall  
One Community Drive  
East Hampton, CT

**Meeting Title:** Town of East Hampton, Connecticut  
Water System Preliminary Design  
Project Water Sub-Committee Meeting

**Prepared By:** Hanna Schenkel, Environmental Partners

**Attendants:** David Cox, Town Manager, Town of East Hampton  
Pete Brown, Town Council Member, Town of East Hampton  
Brandon Goff, Town Council Member, Town of East Hampton  
Tim Feegel, Town Council Member, Town of East Hampton  
Scott Clayton, Public Utilities Administrator, Town of East Hampton  
Dean Markham, Town of East Hampton  
Chuck Adelsberger, Senior Project Manager, Environmental Partners  
Hanna Schenkel, Project Engineer, Environmental Partners

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The Town of East Hampton's (Town) Water Sub-Committee and Environmental Partners (EP) met at the above date and location to discuss the Town's Water Supply Evaluation project and EP's findings to date. EP presented the Water System Facility and Hydraulic Evaluation report and its findings to the Committee and discussed the next steps for the project.

Chuck Adelsberger provided an update on EP's progress on the project to date. EP presented figures depicting the preliminary water system design and pressure zones based on EP's hydraulic analyses. EP presented the key considerations taken to design the water system, including acceptable service pressure ranges, available fire flow, necessary storage, and priority service areas. We discussed the priority water service areas, the Village Center area and contaminated areas in the proposed High Pressure Zone, and the phasing of providing water service to each depicted service area. The Town discussed methods to earn public and CTDPH support for future water system construction and planned for the upcoming Town Council meeting on Tuesday, September 26.

EP has presented below our understanding of the topics and responses as discussed during the meeting and action items to complete this phase of the project.

## I. Project Update

### a. Project Update

- Task 1: Perform Field Program **(Completed)**
- Task 2: Develop Hydraulic Model of Current and Potential Expanded Water System **(Completed)**
  - Present figure showing the potential extent of the distribution system.
- Task 3: Recommend Capital Improvement Program (CIP) **(Completed)**
- Task 4: Prepare Water System Facility Siting and Hydraulic Evaluation Report **(Completed)**
  - EP distributed draft-final reports to the members of the Water Committee.
  - EP will incorporate any revisions from the Water Committee prior to finalizing the report.

### b. Water System Facility Siting and Hydraulic Evaluation Report

- Project Planning
  - Available Water Supply from Cobalt Landing Wellfield
    - The Cobalt Landing Wellfield is permitted through the CTDEEP Diversion Permit Program through 2031 to supply up to 0.90 million gallons per day (MGD) of water.
      - EP designed the initial extent of the water system to use the allotted permitted volume.
      - Additional exploration and pumping tests are required to determine the available well flowrate and conditions needed to satisfy the Diversion Permit requirements.
    - Initial system buildout, as presented in the report, is likely the Intermediate and Phase 1 of the High Pressure Zones due to available water supply.
      - Summertime demand is generally elevated due to increased water usage and irrigation.
      - EP used a conservative maximum day demand (MDD) to average day demand (ADD) peaking factor of 2.0.
      - Actual system demands will be reevaluated as service connections are made during construction.
    - Additional water supply will need to be assessed in the next phases of the project.
      - The Town met with Portland, CT to discuss purchasing water. The Town will continue assessing this option for water supply in future design phases.
      - The group discussed non-Town-owned potential water supply sites, including the Marlborough site and several sites along the Connecticut River.
      - The Town plans to discuss using the Connecticut River as a water supply source with CTDPH. At this time, CTDPH will not

allow the Connecticut River to be used as a potable water source due to its classification as a Class B water source.

- Town Topographic Conditions
  - The Town's layout and range in topographic conditions promote a sequential, multi-zone water system.
  - Elevations dictate pressure zone boundaries due to CTDPH pressure constraints
- Priority Service Areas
  - Recent private well testing in the geographic center of Town has identified elevated chloride levels in groundwater.
  - Emerging contaminants continue to be increasingly prevalent in private well water.
  - EP prioritized areas of known contamination, businesses, and schools for water service.
    - CTDPH has prioritized Main Street for public water service.
    - The Route 66 corridor is a priority for the Town.
- Project Design
  - System Layout, Boundaries, and Constraints
    - EP recommends building a skeletal layout of the distribution system.
      - EP will provide a figure detailing the skeletal buildout and the costs associated with this initial phase.
  - Proposed Water System Facility Sites
    - Cobalt Landing Wellfield
    - Water Treatment Plant
    - Water Storage Tanks
      - EP designed a tank in each pressure zone to regulate pressures and provide equalization and fire flow storage.
      - EP proposed conservative tank sizes and solicited cost estimates for each pressure zone's tank.
    - Booster Pumping Stations
    - Water Mains
      - EP will explore water main material alternatives in subsequent design phases.
- Water System Hydraulics Evaluation
  - Design Criteria
    - Pressure constraints and available water constraints dictated the water system facility and water main design.
  - Water System Design
  - Proposed Service Pressures and Available Fire Flow
    - Future Collaboration with East Hampton Fire Chief
      - EP designed the water system conservatively to provide high fire flow rates to every customer in the system, as the Town has not been ISO rated. The Town will need to coordinate

with the Fire Chief to determine the final needed fire flow rates.

- Recommended Capital Improvement Plan (CIP)
  - The proposed CIP presents the costs associated with designing and constructing the Low, Intermediate, and High (Phase 1) pressure zones.

## II. Action Items and Next Steps

- a. Revise report as needed based on Water Sub-Committee comments.
- b. Discuss topics to be presented at the upcoming Town Council Meeting on Tuesday, September 26<sup>th</sup>.
  - Dave Cox will give a progress update on the project and EP will be available to answer technical questions.
- c. Schedule workshops with interested parties (Should workshops be postponed until after the completion of the next design phase?).
- d. Communicate with CTDPH on permitting requirements.
- e. Solicit proposals for aerial survey, mapping, wetlands flagging, subsurface explorations, and soils testing.
  - EP will communicate with sub consultants to coordinate survey, wetland flagging, and geotechnical efforts as soon as possible.

### f. Grant Opportunities and Funding Options

- a. Grant funding
  - Grant funding will be contingent on completion of the design phase.
- b. CTDEEP Funding
- c. CTDPH Funding through Grants and DWSRF Program

### g. General Discussion/Questions