

345 East Shore Parkway New Haven, CT 06512 203 466 5281 p 203 466 5286 f www.gnhwpca.com

Minutes for GNHWPCA CSO Long Term Control Plan Committee Special Meeting, March 25, 2008

In attendance: Directors Raymond Farina, Joyce Harned, and Russell Cyr, Executive Director Dominick DiGangi, Director of Operations, Gary Zrelak, Manager of Design, Mario Ricozzi and Manager of Coordination and Project Controls, Mike Blake. Directors Ginzberg and Turner were absent. Chairman Mongillo was also in attendance.

- Meeting comes to order 5:15 P.M.
- A motion was made by Director Cyr to approve the Minutes of the Committee Meeting of February 25, 2008, seconded by Director Harned to approve the minutes of the meeting of February 25, 2008. The motion was carried unanimously.
- 3. Fiscal 2009 Annual Capital budget, Update to the Five Year Capital Improvement and Impact on the Annual Operating Budget CSO LTCP

A presentation was made by staff outlining the projects proposed in the Fiscal Year 2009 Annual Capital Budget to facilitate the reduction and/or elimination of combined sewer overflows in accordance with the Long Term Control Plan. It was noted that all projects involving upgrades to the treatment plant or pump stations would have an odor control component integrated into the project. There was discussion on the effect of the capital budget on the rate structure and methods to minimize the impacts. A copy of the presentation slides is included with the minutes.

4. Adjourn at 7:25 P.M.

Respectfully Submitted:

Mario Ricozzi, P.E., F.ASCE

Manager of Design, CSO, LTCP, OCP

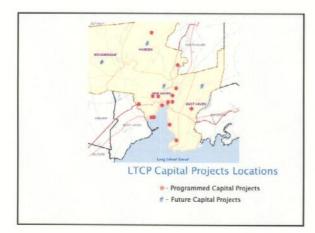
Long Term Control Plan Capital Project Summary



Board of Directors LTCP Sub-Committee March 25, 2008

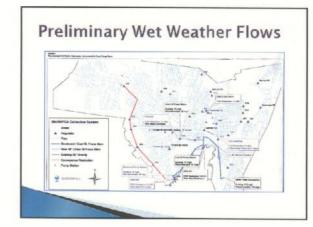
LTCP Sub-Committee Briefings

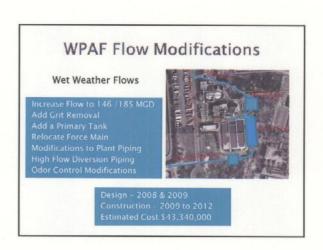
- History and Overview (February 25, 2008)
- ▶ Long Term Control Plan
- · Projects, Costs and End Results
- Where Do We Go From Here

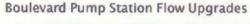


MAXIMIZE WET WEATHER FLOW TO EAST SHORE WPAF

- Study, Model Update and Preliminary Design
- Completion Expected April 2008
- Estimated Cost \$630,000
- Basis for Upgrades & Flow Modifications to ESWPAF, East St PS, Boulevard PS, Union PS & Union FM













Upgrade Bar Screens Upgrade Pumps 35 to 48 MGD Upgrade Odor Control

East St Pump Station Flow Upgrades





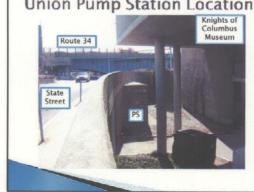




Union Pump Station Flow Upgrades



Union Pump Station Location



Union Pump Station Force Main Upgrade



Design 2010 to 2011 Construction 2011 to 2012 Estimated Cost \$18,000,000



Compliance Monitoring

Estimated Cost \$2,000,000 CSO 024 - \$127,500 CSO 003, 004, 005, 006 - \$1,215,000



Boulevard Interceptor

Tide Gate Replacements



Boulevard/Sea Street sign 2007,Permitting 2008



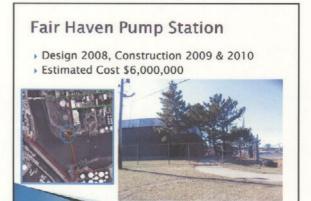
Poplar/River Street

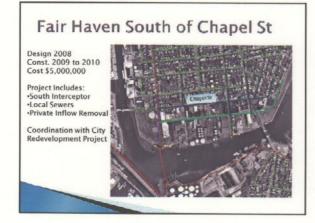
Construction Schedule Set by Tide & Rainfalls Replace Iron/Steel Gates with Rubber

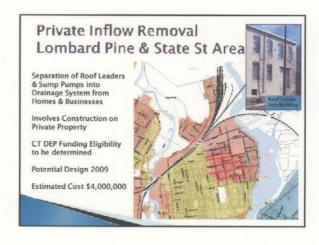
FAIR HAVEN AREA SEWER SEPARATION

- Complete separation of Sanitary Sewer and Storm Sewers
- Installation of New Sanitary Sewers
- Existing Combined Sewer to handle Stormwater only
- Elimination of all Combined Sewer Overflows from Fair Haven (Approximately 68 MG/year)
- Estimated Program Costs \$53,000,000
- · Construction over 7 year time frame









INFILTRATION/INFLOW (I/I) REHABILITATION

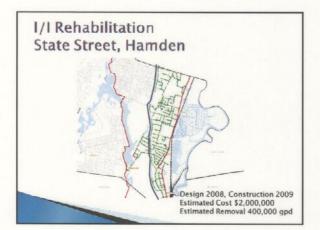
- Infiltration and Inflow Rehabilitation
- Reduces groundwater and unwanted surface water conveyed and treated at treatment plant
- Reduces costs to convey and treat
- "Frees Up" capacity in sewer pipes, pump stations and treatment plant
- · Reduces overflows of untreated sewage

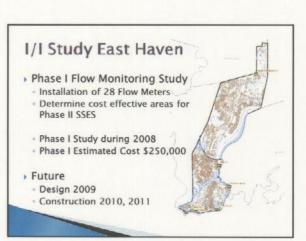


Construction April to November 2008 Total Cost \$4,000,000 Line and repair 50,000 feet of pipe



Infiltration/Inflow Rehabilitation - Morris Cove, New Haven Lower Shepard Brook & Upper Thorpe Drive, Hamden





Future Projects East Street Sewershed Study & Design 2010 to 2011 Construction 2012 to 2013

Future Projects

- I/I Study and Rehabilitation
- Woodbridge Study 2011, Construction 2012
- East Haven 2 Design & Rehabilitation
- Hamden Middle Thorpe Dr Design & Rehabilitation