

Reservoir Renovation Project

Who We Are

Tampa Bay Water is a special district of the State of Florida created by interlocal government agreement to supply wholesale drinking water to Hillsborough, Pasco and Pinellas counties and the cities of New Port Richey, St. Petersburg and Tampa. The member governments, in turn, provide drinking water to more than 2.5 million people in the tri-county area.

What We Do

On average, Tampa Bay Water delivers 175 million gallons a day of high-quality drinking water to the region through a diverse water supply network.

Project Background

The 15.5-billion gallon, above-ground, off-stream C.W. Bill Young Regional Reservoir is an integral part of Tampa Bay Water's Enhanced Surface Water System. The 1,100-acre reservoir is located on 5,200 acres purchased by the Southwest Florida Water Management District and Tampa Bay Water. The site is located in southeastern Hillsborough County.

The reservoir was completed in early 2005 as part of a multi-year capital improvement plan designed to meet the region's current and future water needs. When surplus river water is available in the Tampa Bypass Canal, Alafia and Hillsborough rivers, it is sent to the reservoir for storage. Then, during dry times, water from the reservoir is sent to the Tampa Bay Regional Surface Water Treatment Plant before distribution to the local governments served by Tampa Bay Water.

Beginning in December 2006, larger-than-expected cracks began to form in the soil cement interior face of the reservoir embankment erosion control structure. The cracking requires a permanent fix in order for the facility to be used at its intended fill and drawdown rates.

Actions Taken To Date

On June 15, 2009, the Tampa Bay Water Board of Directors approved proceeding with a procurement process to implement a long-term fix for the C.W. Bill Young Regional Reservoir under Agenda Item F1. Other utility actions to date in support of the Reservoir Renovation Project include:

- Performed various studies and tests to evaluate the cause of the cracking; copies of these documents and reports are available upon request.

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Actions Taken Continued

- Retained the services of KPMG LLP as Strategic Procurement Advisor on October 20, 2009.
- Defined the public policy objectives for the renovation; adopted by the Board of Directors on December 14, 2009.
- Evaluated more than 100 project risks and developed mitigation strategies.
- Currently assessing feasible procurement options and financing structures for the Reservoir Renovation Project. Four procurement options are being evaluated:
 - Design-Build
 - Design-Build-Finance
 - Design-Build-Maintain/Operate
 - Design-Build-Maintain-Finance
- Evaluated eight responses for Design Criteria Professional and will seek Board approval to negotiate scope and fee with the top-ranked firm; scheduled to appoint the Design Criteria Professional in April 2010.

Project Schedule

Key project milestones listed below are for reference purpose only and are subject to change without notice.

Industry Day/Briefing	April 2010
Request for Qualifications	June 2010
Request for Proposals	November 2010
Notice to Proceed	Spring/Summer 2011

Estimated Project Cost and Duration

Due to the sheer size of the reservoir structure and the magnitude of reconstruction of the erosion-control layer, Tampa Bay Water understands the fix will be costly. Initial estimates for the project based on conceptual ideas were in the range of \$125 million. The Agency has allocated 36-42 months for the design, regulatory permitting process and construction.

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