

Daniel Sarnoff

From: David Birdsall <DBirdsall@WJWW.com>
Sent: Tuesday, March 26, 2019 3:26 PM
To: Altieri, Stephen; Daniel Sarnoff; Agostino Fusco; MMackenzie@harrison-ny.gov
Cc: Paul Kutzy
Subject: WJWW Joint Capital Project A-1352: Rye Lake UV Facility

WJWW Joint Capital Project A-1352 involves the construction of a prefabricated UV treatment facility at Westchester Joint Water Works' (WJWW) Rye Lake site. The UV facility is an integral part of a more comprehensive project directed at resolving an outstanding court order and bringing WJWW into compliance with the Surface Water Treatment Rule (SWTR) and the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR).

In the near-term, there are immediate benefits to construction of the UV treatment facility at Rye Lake. Given current water source capacity limitations at both Shaft 22 and Rye Lake, and limited water storage, WJWW struggles with meeting peak hourly domestic water demands which can potentially be further compounded by any fire flow condition. Construction of the UV treatment facility at Rye Lake will alleviate this condition by decreasing required chlorine contact time, thereby allowing for increased production capacity at Rye Lake and freeing up available water storage capacity at the Purchase Tanks. The level of chlorine usage may also be reduced through the addition of UV treatment.

Construction of the UV treatment facility at Rye Lake will also give WJWW the ability to provide needed capacity to enhance overall system resiliency and redundancy on a regular basis. It will also provide required capacity for specific situations such as a planned shutdown of the 30 inch transmission main from Shaft 22 to allow for a comprehensive inspection of the piping for the first time in 60 years as well as allowing for NYCDEP to shut down/restrict flow from WJWW's Shaft 22 source for purposes of doing planned maintenance on the Delaware Aqueduct.

The project is expected to begin in late 2019 and continue into the first-half of 2020. The expected total cost is approximately \$8 million. WJWW has applied for NYS water infrastructure grants which could potentially fund 60% of project costs up to a maximum of a \$3 million grant. The member shares of the estimated total project cost of \$8 million (these amounts would be reduced proportionately by any grant awards) are as follows:

- VOM - \$2,144,000
- TOM - \$1,536,000
- TOH - \$4,320,000

The project was originally approved by the WJWW Board in the latter part of 2018. If your Board has not already done so, please have them approve their respective share of the capital project (bear in mind that WJWW targets providing a sufficient income distribution to each member to cover debt service related to water infrastructure capital projects on an ongoing basis). One of the grants that WJWW has applied for requires that a specific IMA be adopted between WJWW and its three members regarding the cost sharing for this particular project. We will be forwarding to you a draft of the IMA for review by your legal counsel and ultimately for approval by your respective Boards.

If you have any questions, please let me know.

Regards,

David

David E. Birdsall

Business Director

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