



# **Water Supply District of Acton**

693 MASSACHUSETTS AVENUE  
P.O. BOX 953  
ACTON, MASSACHUSETTS 01720

TELEPHONE (978) 263-9107

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## **Board of Water Commissioners**

### **Meeting Agenda**

**Thursday, March 19, 2020 @ 2:00 PM**

**This is a conference call being held with audio coverage only.**

**The public can participate in this meeting by calling**

**425-436-6394 and using the access code 196503**

- **Review & approve Reserve Fund transfer**
  - **Request for a transfer of \$35,000 from Reserve to Engineering- Budget #15210 for the budget overrun for engineering of the Central Acton Water Treatment Plant (CAWTP)**

**Acton Water District  
Request for Reserve Transfer  
FY 2020**

Amount Requested      \$35,000  
Account Name            Engineering  
Account Number        15210  
Current Balance        \$0

Reason for transfer:

Design and Bidding for the CAWTP

**Approved:**

**Water District Commissioners:**

**Finance Committee:**

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Date: \_\_\_\_\_

Date: March 17, 2020



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**TO:** Finance Committee and Board of Water Commissioners  
**FROM:** Chris Allen, District Manager  
**RE:** Central Acton Water Treatment Plant (CAWTP) project engineering

We recently completed the design and bidding for the CAWTP. Over the course of the last year, during planning, design and bidding for the plant, due to unforeseen conditions, we generated an overage for the engineering budget of \$35,000.00. To satisfy this, I am proposing an equivalent Reserve Fund transfer to the current Fiscal Year's Engineering—15210 budgetary account.

The original proposal from Wright-Pierce was \$650k for engineering, which is not eligible for financing through the Clean Water Trust's Construction Loan. As such, we were to fund that amount from an appropriation and/or borrowing. As you recall, the decision was made to appropriate \$200k at the Annual Meeting in 2019 and get voter approval to borrow the remainder. The engineer fine-tuned the projection to a number of \$587k, and thus it was decided to borrow only \$400k, to a total of \$600k. As can be incurred with projects of this complexity, once dug into, additional billable hours accrued, and the budget was expended.

This will be the last expenditure related to pre-construction engineering. Subsequently, Construction Administration by the engineer shall be funded through the 0% Construction Loan from the MA Clean Water Trust.

Thank you



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Hi Chris –

The dust has finally settled on our design phase for the CAWTP, and we unfortunately ended up going over budget by almost \$34K. As is my standard MO, I like to fit in as many changes as I can during the design with the hope that it all works out in the end. However, we ended up going over our budget by almost 6% getting the project out for bid.

Trying to look back to see how we got here, I see a few unanticipated items that contributed to this:

- The pre and post filtration aeration analysis memorandum.
- We initially budgeted a completely new WTP. But we ended up interfacing with and reusing as much of the existing Conant II WTP as possible.
- LP gas was the fuel to be designed around but this was changed to NG during design
  - This required more extensive coordination with the utility and more design.
  - This also resulted in the Conant II building being retrofitted for NG service too to keep it consistent
- Demo/Modifications/Ventilation upgrades at Conant I.
- Roofing Upgrade, aeration tower removal and other work for Conant II.
- More extensive electrical service upgrades than anticipated (including Conant I and II).

Thank you for your consideration.

**Richard G. Protasowicki, PE**  
**Wright-Pierce** | Vice President  
Direct 978.416.8010 | Cell 617.721.3423

**WRIGHT-PIERCE**   
Engineering a Better Environment