

File # 191212  
Received in Committee  
1/8/20  
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# San Francisco Public Utilities Commission

## Sunol Valley Water Treatment Plant - Ozonation

Operated by the San Francisco Public Utilities Commission



**San Francisco Board of Supervisors  
Budget and Finance Committee Meeting  
Approve CDM Smith, Inc. Professional Service Agreement (CS-0120)  
January 8, 2020  
Bryan Dessaure, Project Manager**

# Background

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- Sunol Valley Water Treatment Plant treats water from Calaveras and San Antonio Reservoirs
- Increased concerns about taste & odor issues due to an increase in algal blooms at the Reservoirs.



Calaveras Reservoir



San Antonio Reservoir

# Project Purpose & Goals

- Undertaking project to improve plant reliability and implement short and long term taste & odor control solutions:
  - Powder Activated Carbon
  - Ozonation



Sunol Valley Water Treatment Plant



Powder Activated Carbon Facility

# Budget and Schedule

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## Total Project:

- Project Budget: \$165M
- Project Schedule

<b>Activity</b>	<b>Start</b>	<b>Finish</b>
Planning	March 2020	September 2020
Design & Bid/Award	September 2020	September 2022
Construction	September 2022	May 2025
Project Closeout	May 2025	November 2025

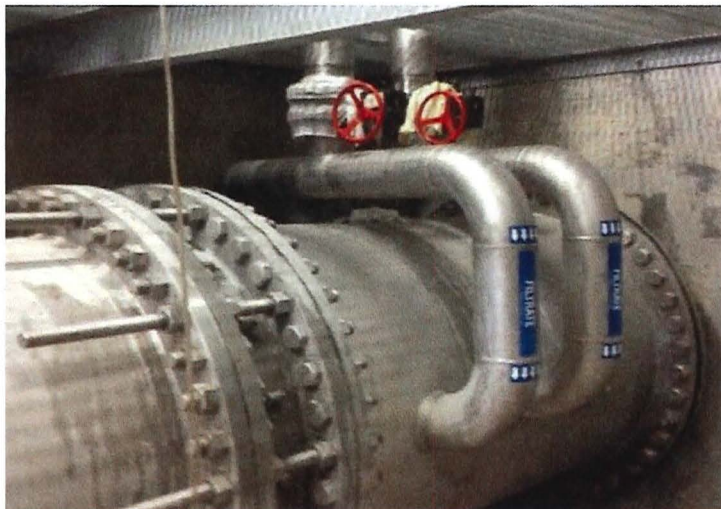
# Ozone System



**LOX System**



**Ozone Generator System**



**Ozone Injectors**



**Ozone Destruct System**



# Today's Request

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- Project requires planning and specialized design services, and possibly engineering support during construction.
  - Engineering support for construction only initiated after CEQA review is complete.
- SFPUC issued Request for Proposals in June 2019 for these services.
- SFPUC is asking the Board of Supervisors to approve a professional service agreement with CDM Smith, Inc. for these services:
  - \$15 million
  - 6 Years

**Questions?**

**Thank You!**