



4.2 Graham Hill WTP Flocculator Replacement Project

Current Status: Post Construction

Project Need

This project replaces old flocculator equipment at the water treatment plant with new, reliable equipment.

Background

The City of Santa Cruz Water Department hired Kennedy Jenks to analyze flocculator replacement alternatives and develop the design and bidding documents for this “replace in kind” project. The project was awarded to W.M. Lyles Co in the Fall of 2019.

Project Description

This project replaces the existing horizontal flocculators with new horizontal flocculators.

This project consists of the following items:

- Remove existing flocculator shafts, paddles and motors
- Reuse existing support columns and steel beams
- Install new flocculators and motors
- Install new wiring from basement to the new equipment

Project Benefits

Benefits of this project include:

- Reliable, new equipment
- Decreased maintenance liability
- Reliable flocculators will work in conjunction with newly-replaced tube settlers in the sedimentation basins

Escalated Estimate

Construction	\$ 1,480,000
Other Costs*	\$ 500,000
Total Project	\$ 1,980,000

* Other costs may include design, engineering services during construction, construction management, construction contingency, environmental, permitting, legal, land transaction, city administration, and program management costs.

Potential Funding Source

Bonds and Pay As You Go

Current Schedule Start-Finish Dates

Planning	Design	Construction	Post Construction
NOV 2018 JAN 2019	FEB 2019 AUG 2019	MAR 2020 MAR 2021	MAR 2021 AUG 2021

Revised: 4/12/21