



Our
Water,
Our
Future



4.1 Graham Hill WTP Tube Settlers Replacement

Current Status: Construction

Project Need

This project will replace the old tube settler material that is at the end of its useful life.

Background

The City of Santa Cruz Water Department hired Kennedy Jenks to analyze tube settler replacement alternatives and develop the design and bidding documents for this “replace in kind” project. The project was awarded to W.M. Lyles Co during a public bid process in the Fall of 2018.

Project Description

This project will replace the existing tube settler modules with new unidirectional tube settler modules.

The project consists of the following items:

- Replace existing tube settlers and reuse existing support beams
- Replace existing sludge collection system piping

Project Benefits

Benefits of this project include:

- Reliable, new equipment
- Decreased maintenance liability
- Reliable tube settlers will work in conjunction with new flocculators

**Estimated Cost
(2019\$)**

| | |
|----------------------|--------------------|
| Construction | \$1,241,000 |
| Other Costs* | \$ 454,000 |
| Total Project | \$1,695,000 |

* 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

Pay As You Go

Current Schedule Start-Finish Dates

| Planning | Design | Construction | Post Construction |
|----------------------|----------------------|----------------------|-------------------|
| APR 2017 JUN 2017 | JUL 2017 JUL 2018 | JAN 2019 FEB 2020 | FEB 2021 |

Revised: 05/20/19