

**Upper Reach Reliability Project – Phase II
(2017-C-1)**

Project Ranking

90%

Total Estimated Cost: \$8,000,000



Background

The Second Barrel Pipeline Project was designed to provide a redundant pipeline from the Tecolote Tunnel's South Portal to the Corona del Mar Filtration Treatment Plant. Said second pipeline provides increased operational flexibility and reliability, as well as additional conveyance capacity to help meet peak system demands. Completed in 2012, Phase I of the Second Barrel Project installed a new 48" diameter pipeline from the South Portal of the Tecolote Tunnel to the Glen Annie Turnout structure. Phase II will complete the project, installing approximately 10,000 additional linear feet of 48" diameter welded steel pipe from the Phase I endpoint at the Glen Annie Turnout structure, through to the Corona del Mar Filtration Treatment Plant.

Need for Project

The completion of Phase II is essential in order to benefit from the project as it was originally designed. This final phase connects pipeline installed during Phase I all the way to the project's initially designated endpoint, Corona del Mar Filtration Plant.

Description

Engineering services would be retained to conduct a full site evaluation and perform a geotechnical study along the proposed length of new pipeline, and to design the project accordingly. The construction phase would implement the repair per the engineering design, recommendations and specifications.

Regulatory Compliance

This project requires full environmental review and compliance.

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
2018-19 (Engineering Evaluation & Study)	\$ 200,000
2019-20 (Planning & Permitting)	\$ 300,000
2020-21 (Construction)	\$3,500,000
2021-22 (Construction)	\$4,000,000
Total	\$8,000,000