



## Project Summary

<b>Project Number:</b>	2524SS1010
<b>Title:</b>	Effluent Pipeline Project
<b>Project Type:</b>	B - Major Projects - Existing Facilities
<b>Division:</b>	24 - Transmission
<b>Budget Year:</b>	2022
<b>Finance Option:</b>	
<b>Asset Type:</b>	SS - Sewer System
<b>Active:</b>	Yes

**Project Description**

The Effluent Pipeline Project will be a multi-year pipe replacement project. The immediate priority is to replace all of the remaining Segment 3 pipeline (12,385 linear feet) and to make immediate repairs to the Segment 2 pipeline (17,314 linear feet) to extend its life and avoid future leaks. The project timeline is to accomplish this over multiple construction seasons. TRPA and NDOT permits typically prohibit SR 28 traffic control delays from July 1 to September 5. This limits construction to May, June and Sept 6 to Oct 15. The replacement of Segment 3 would occur over two construction seasons. Replacing segment 2 would require 3 construction seasons. Repairs to segment 2 could be accomplished with a segment 3 construction phase.

**Project Internal Staff**

The engineering division will support this project. Outside consultants will be used for design and management. The project will be publicly advertised in accordance with NRS 338.

**Project Justification**

The District currently owns, operates and maintains a 21-mile pipeline that exports treated wastewater effluent out of the Lake Tahoe Basin. This pipeline was installed in 1970 as part of the regional effort to protect Lake Tahoe's water quality by requiring all wastewater effluent to be exported out of the basin. Within the Tahoe Basin, this pipe is divided into three segments. Segment 1 is the low-pressure supply pipe to the pump station near Sand Harbor. Segment 2 is the welded steel high-pressure discharge pipe exiting the pump station. Segment 3 is the remaining low pressure jointed steel transmission pipeline within the Tahoe Basin running south to Spooner Summit. Segment 4 is the pipe that carries the effluent down the east side of the Carson Range from Spooner Summit to Hwy 395. Segment 5 is the pipeline that extends from HWY 395 to the bank of the Carson River. Segment 6 is the pipeline from the Carson River that delivers the effluent to the IVGID Wetlands Disposal Facility and was installed in 1983. A condition assessment completed on Segments 2 and 3 confirmed pipe deficiencies.

**Forecast**

Budget Year	Total Expense	Total Revenue	Difference
<b>2022</b>			
Internal Services	100,000	0	100,000
Project Design and Construction Costs	1,900,000	0	1,900,000
Year Total	2,000,000	0	2,000,000
<b>2023</b>			
Internal Services	100,000	0	100,000
Project Design and Construction Costs	1,900,000	0	1,900,000
Year Total	2,000,000	0	2,000,000
<b>2024</b>			
Internal Services	100,000	0	100,000
Project Design and Construction Costs	1,900,000	0	1,900,000
Year Total	2,000,000	0	2,000,000
<b>2025</b>			
Internal Services	100,000	0	100,000
Project Design and Construction Costs	1,900,000	0	1,900,000
Year Total	2,000,000	0	2,000,000
<b>2026</b>			
Internal Services	100,000	0	100,000
Project Design and Construction Costs	1,900,000	0	1,900,000
Year Total	2,000,000	0	2,000,000
	<b>10,000,000</b>	<b>0</b>	<b>10,000,000</b>

**Year Identified**

**Start Date**

**Est. Completion Date**

**Manager**

**Project Partner**

2012	Jul 1, 2020	Jun 30, 2025	Engineering Manager	
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