

Park City Public Utilities Water Quality

Program Overview



Water Quality Enhancement Program

WATER QUALITY GOAL: JUDGE AND SPIRO TUNNEL TREATMENT IMPROVEMENTS			
PROJECT	PURPOSE	SCHEDULE	CAPITAL PROGRAM ESTIMATE
JUDGE TUNNEL CONVEYENCE AND STORAGE <i>Judge tunnel conveyance system / pipeline</i> <i>Empire tank replacement</i>	Pipe Judge Water to 3KWTP for Metals Reduction Treatment Primary settling, screening, and flow control of Judge Water	Completed 2014 2020 - 2022	\$ 4,300,000 \$ 750,000
HIGHWAY 248 PIPELINES <i>Raw water line</i> <i>Potable water line replacement</i>	Ensure minimum McLeod Creek flow Replace critical transmission line from QJWTP to Boot Hill Tank	2020 - 2022	\$ 1,500,000 \$ 1,500,000
SPIRO TUNNEL TO 3KWTP IMPROVEMENTS <i>Tunnel improvements</i> <i>Intake, Screening, and Piping</i>	400' of Spiro Tunnel stabilization and access improvements Primary Screening and Conveyance of Spiro Water to 3KWTP	2020 - 2022	\$ 1,000,000 \$ 1,500,000
3KINGS WATER TREATMENT PLANT (3KWTP) <i>Golf Course Pond Dredging</i> <i>Water Treatment Plant</i> <i>Golf Maintenance Facility</i> <i>Updated Utilities</i>	Enhanced settling and McLeod Creek flow management State of the Art Water Treatment Plant for Judge and Spiro Tunnels Relocated to make space for WTP New utilities for WTP on golf course	2019 - 2023	\$ 1,000,000 \$ 85,000,000 \$ 2,500,000 \$ 1,000,000

WATER QUALITY TREATMENT MISSION:

Utilize state of the art technology and management practices to deliver the best quality water.



3Kings Water Treatment Plant – Rendering

WATER QUALITY GOAL: SURFACE WATER TREATMENT IMPROVEMENTS			
PROJECT	PURPOSE	SCHEDULE	CAPITAL PROGRAM ESTIMATE
CREEKSIDE WATER TREATMENT PLANT <i>Improved disinfection and added filtration</i>	Updated treatment technology for Pathogen Removal	Completed 2018	\$ 4,500,000
QUINNS JCT WATER TREATMENT PLANT UPGRADES <i>Manganese Dioxide and Carbon Filters</i> <i>PH adjustments using acid feed</i> <i>Raw water line cleaning</i>	Updated treatment technology to improve color, taste, and odor Water quality stability improvements Add ability to routinely scrub inside of raw water line	Completed 2018 2020 - 2022	\$ 5,000,000 \$ 500,000 \$ 500,000



Creekside Water Treatment Plant

TOTAL CAPITAL PROGRAM COST \$110,550,000

3Kings Water Treatment Plant Area Utility and Pond Concepts

