



Information Technology Group

• Information Technology Group Monthly Activities for October 2025

Summary

This report provides a summary of activities related to the Information Technology Group for October 2025.

Purpose

Informational

Detailed Report

► Strategic Priority #3: ADAPT to changing climate and water resources

Objective 9: Leverage Drone Technology to Monitor Environmental Conditions, Support Climate Resilience Efforts, and Enhance Data-Driven Decision-Making in Sustainability Initiatives

Multiple drone missions were conducted by Metropolitan personnel at various facilities and locations in Metropolitan's service area. These missions helped capture high-resolution imagery and video data to identify maintenance needs and assess conditions in hard-to-reach areas.

Santiago Lateral Right-of-Way Infrastructure Protection Program Topographical Survey – Multiple sites between the Diemer Water Treatment Plant and Irvine Lake were surveyed using a drone equipped with a LiDAR sensor and high-resolution camera.

Diemer Paving Topographical Survey – A drone equipped with a LiDAR sensor and high-resolution camera was used to create an accurate topographical map of the area around the recently completed Heli-Hydrant.

Diemer Aerial Video – A drone equipped with a high-resolution camera was used to capture high-resolution aerial footage of the recently completed Heli-Hydrant project.

Diamond Valley Lake (DVL) Forebay Survey – A drone equipped with a LiDAR sensor and high-resolution camera was used to capture the empty DVL forebay to create a highly accurate ortho mosaic image of the empty forebay that will be used to calculate joint seal replacement quantities.

Desert Erosion Aerial Imagery – A drone was used to capture erosion damage of four siphons along a three-mile stretch of the open canal portion of the Colorado River Aqueduct.

Colorado River Aqueduct (CRA) LiDAR/Photogrammetry Survey – A drone equipped with a LiDAR sensor and high-resolution camera was used to create accurate topographical maps and models of the various areas along the CRA between stations 8259 and 10062.

Board Report Information Technology Group Monthly Activities for October 2025



Diemer Heli-Hydrant



CRA Mile 84.23-87.33