

Welcome to the City of Livermore Water Reclamation Plant

November 7, 2023

BACWA O&M Infoshare Group

Agenda

- 10:00-10:10: Introduction
- 10:10-10:45: Recycled Water Program and Recent Projects
- 10:45-11:30: Plant Walk including Construction Site Glance
- 11:30-12:15: Lunch and Workforce Development Discussion
- 12:15-12:50: Operator Discussion Topics
- 12:50-12:59: Agency Updates
- 13:00- Next Meeting Date and Location

Introduction

Water Reclamation Plant



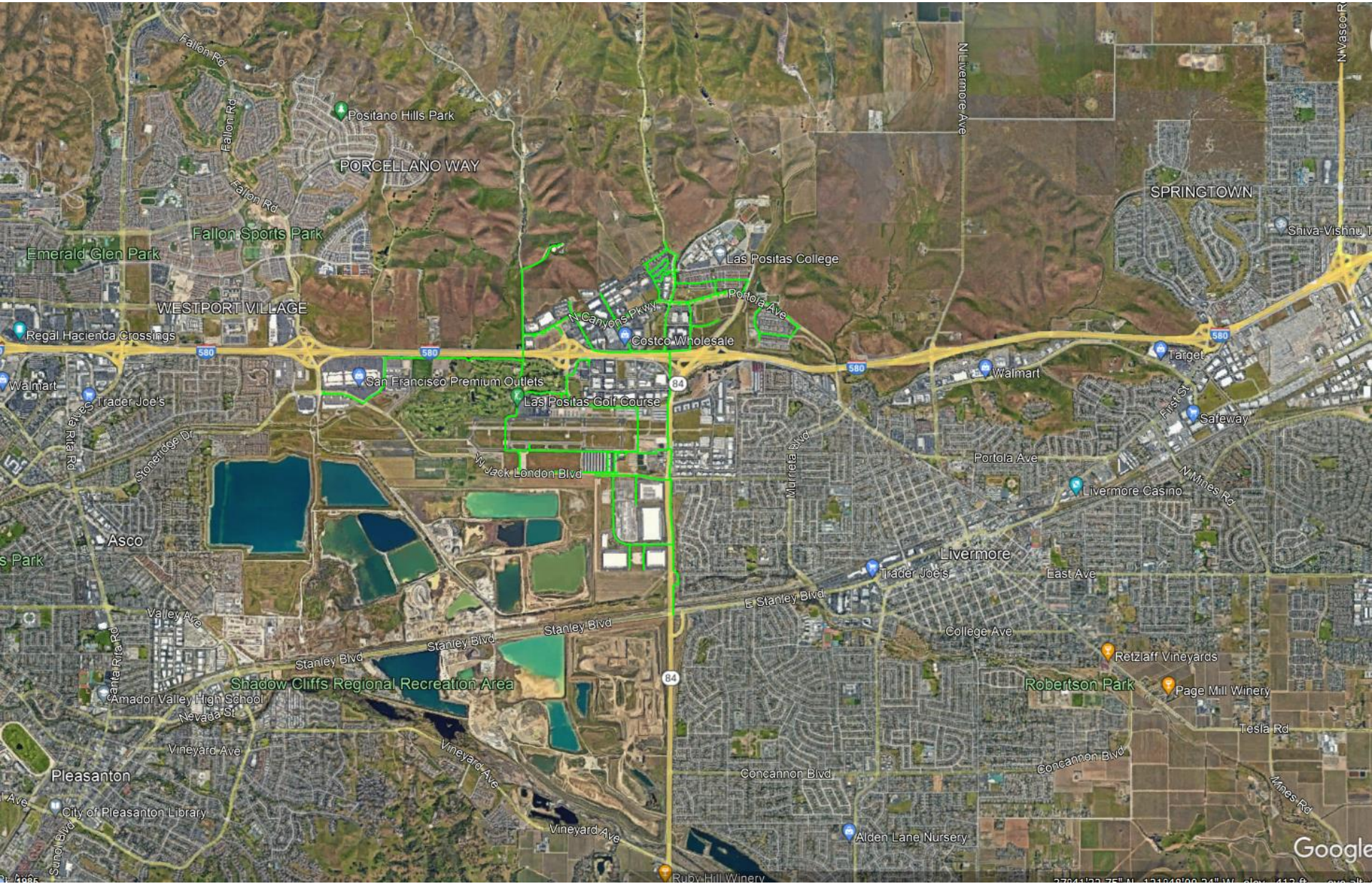
Staffing

- 24/7 attended
- Operations
 - Day, Swing, Graveyard
 - Total of 12 (5 are retiring)
- Maintenance
 - Mechanics (3+1)
 - Electrician (1)
 - Instrumentation (3+1)
 - Inventory Worker (1)

City's Recycled Water Program

- The program started in the early 1960s.
- Serves Zone 1 of Livermore Municipal Water Area
- Over 19 miles of pipelines to serve 52 users with 160 permanent connections.
- Landscape irrigation, fire protection, and dual plumbed uses.
- Mono-media filtration (5 gpm/sf or 2.6 mgd/filter) followed by UV disinfection.
- Two off-site tanks for storage (4 MG total)
- 35% of total influent is recycled

RW Service Area (Google Earth Pro Available)



Recent Capital Projects

1. Recycled Water Pump Station Improvements
2. Aeration Basin Diffuser Replacement
3. Hypo Mixer Replacement
4. Emergency Generator (2M-Watt)
5. Primary and Secondary Improvements
6. UV Treatment System Replacement
7. SCADA Server Replacement
8. SCADA Network Upgrade

Recent Non-CIP Projects

1. Sewer Master Plan
2. Plant and Pump Station Condition Assessment
3. Electronic O&M Manual
4. SCADA Master Plan
5. Title 22 Engineering Report
6. Recycled Water White Paper
7. Solids Treatment System Performance Evaluation

Operator Discussion Topics

- Co-thickening
- Microscopic examination
- Remote access to SCADA
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