

Presentation Outline

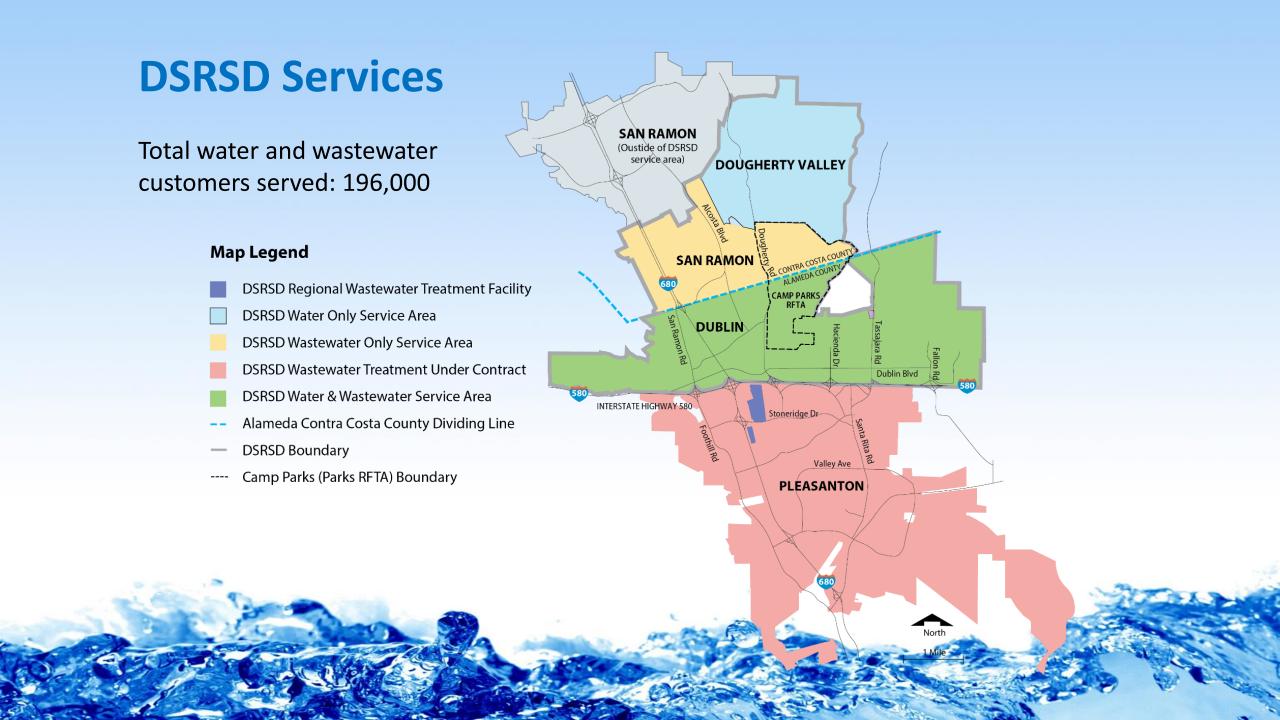
Introduction

Workforce Study Summary

Next Steps

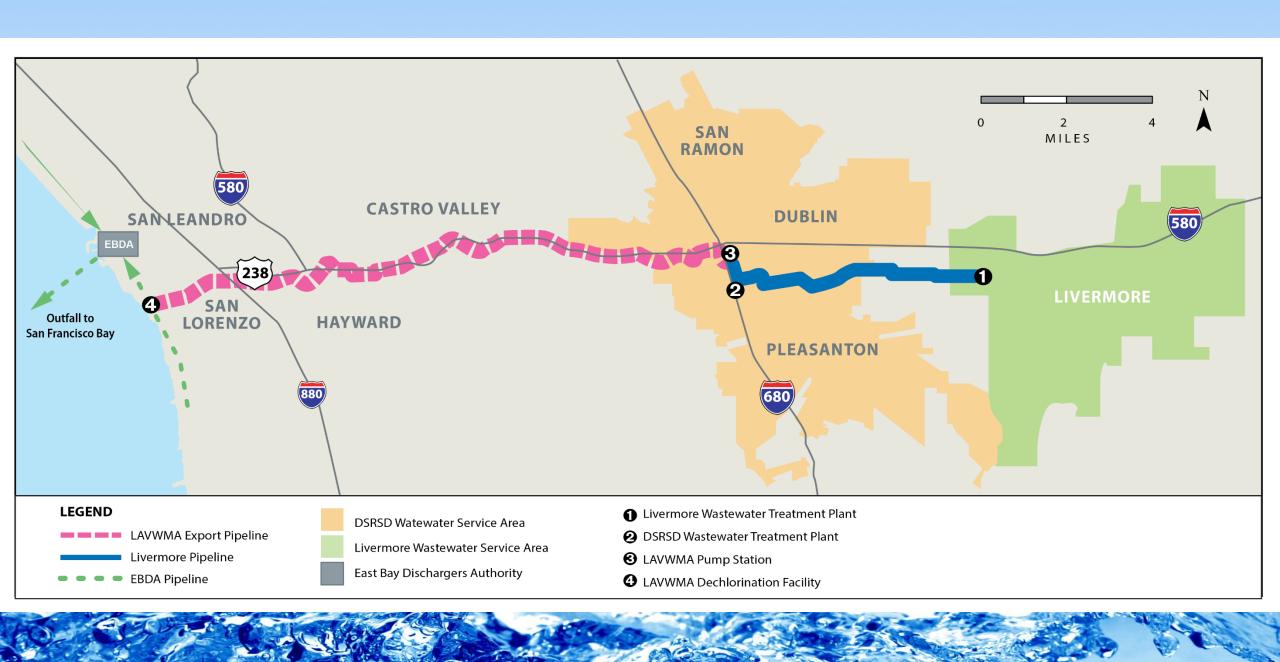
Discussion





Joint Powers Authorities





Operations Divisions



Plant Operations



Field Operations



nstrumentation, Controls, and Electrical



Mechanical Maintenance



Laboratory and Environmental Services



Operations
Support Services



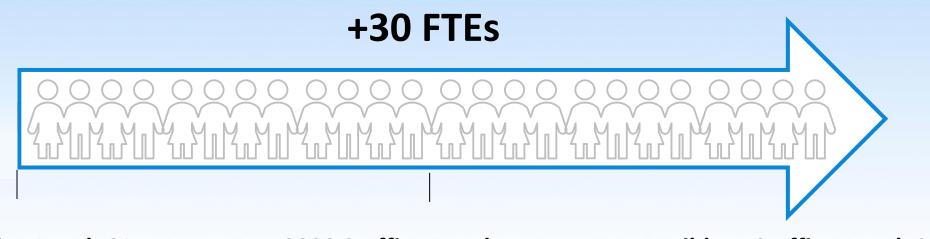
2004 Workforce Planning Study



- » Anticipated significant growth in service area
- » No mention of LAVWMA or DERWA
- » Assumed no changes in regulatory requirements "that may require additional analytical testing, safety, or changes in equipment that impact staffing"



2004 Workforce Planning Study Results

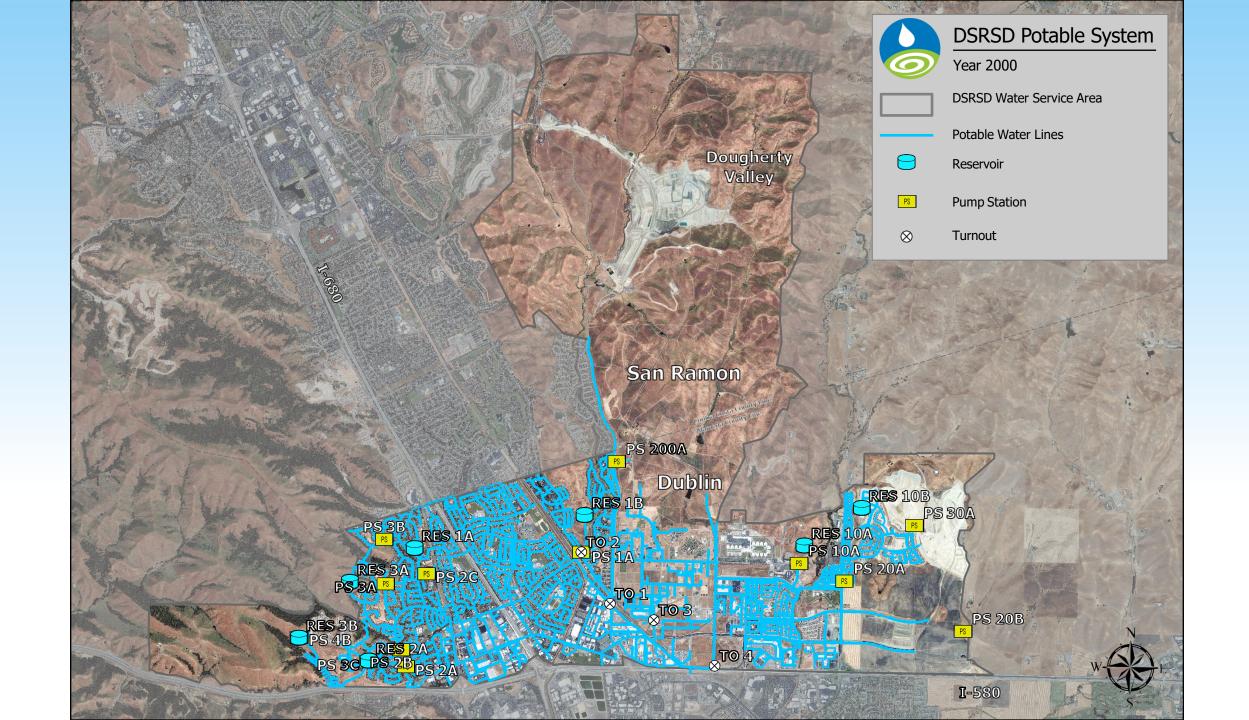


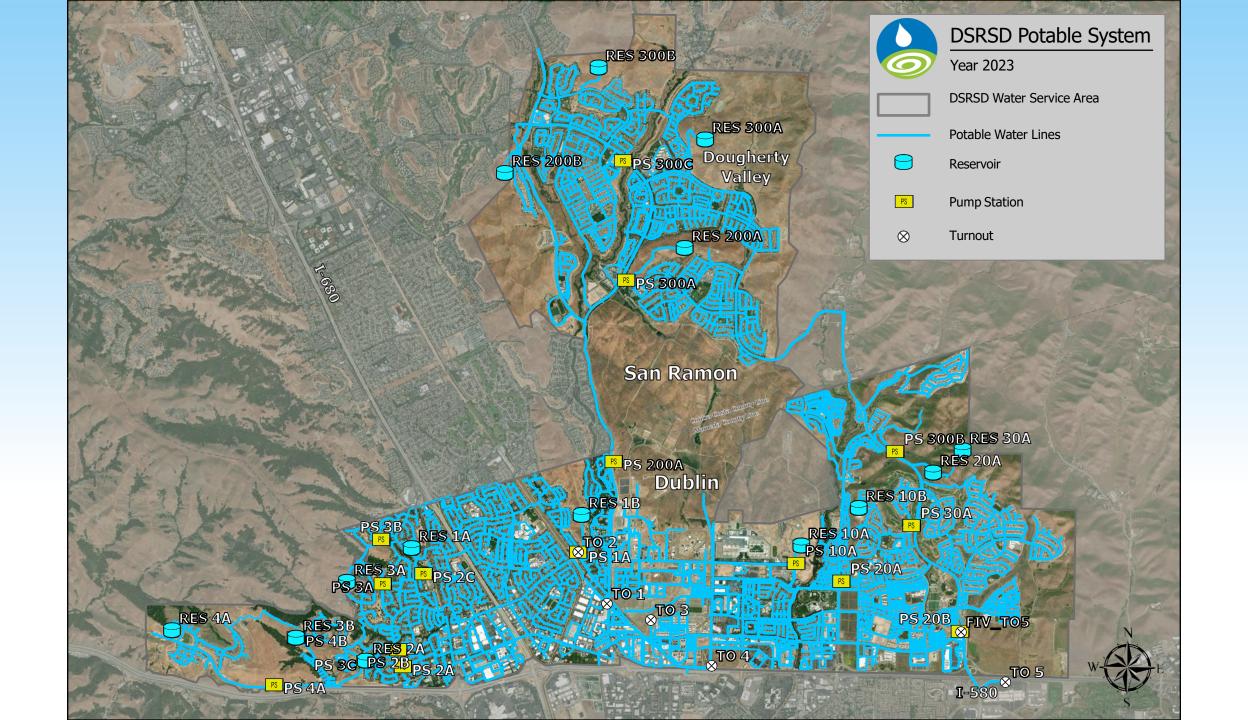
2004 Staffing Level, 61 FTEs

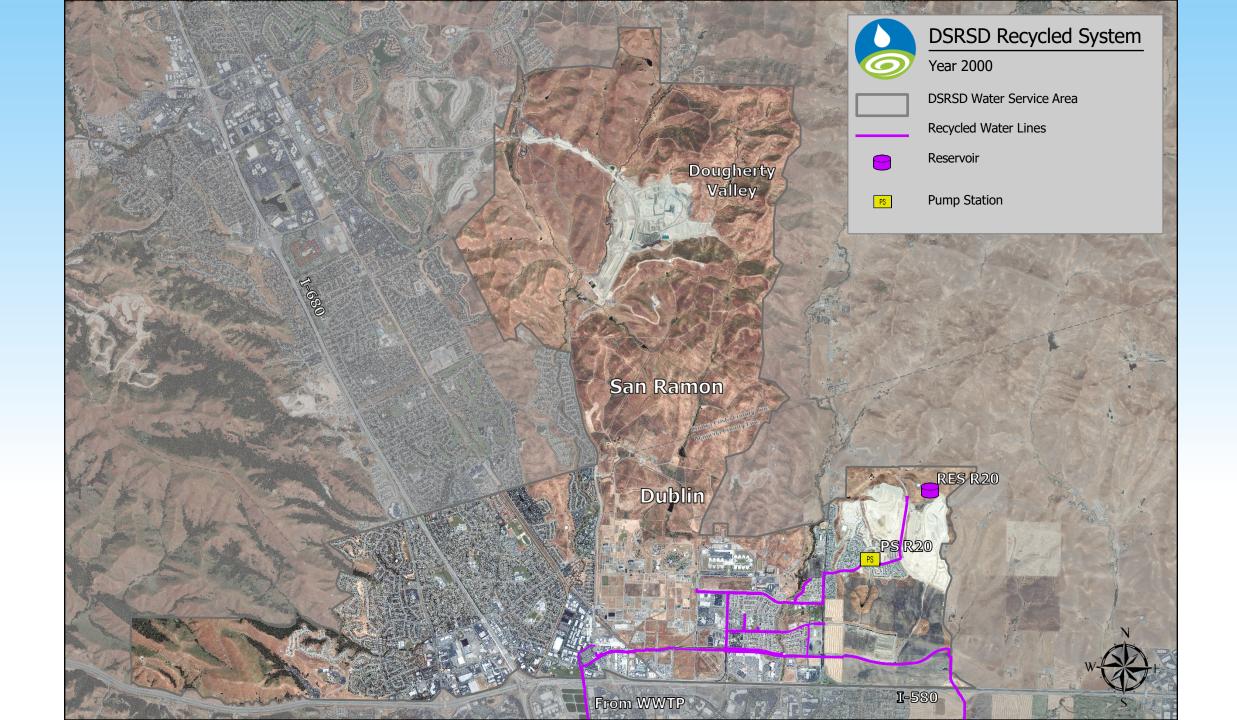
2023 Staffing Level, 75 FTEs

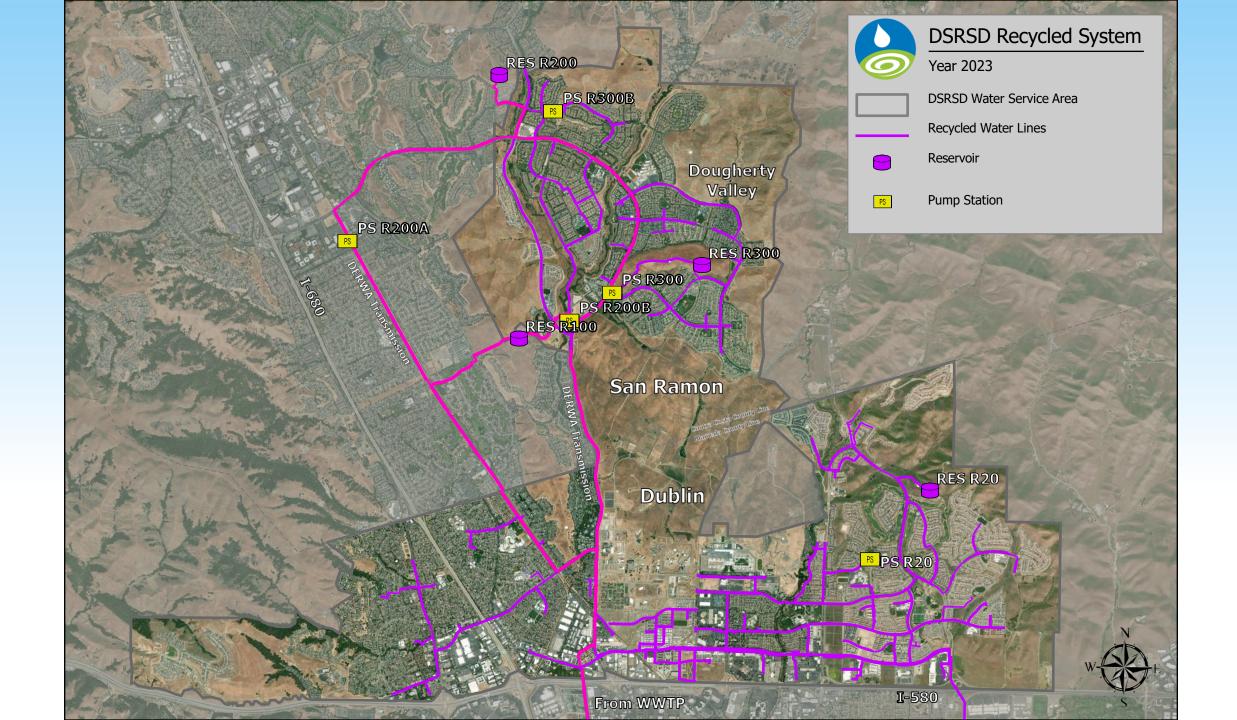
Buildout Staffing Level, 91 FTEs

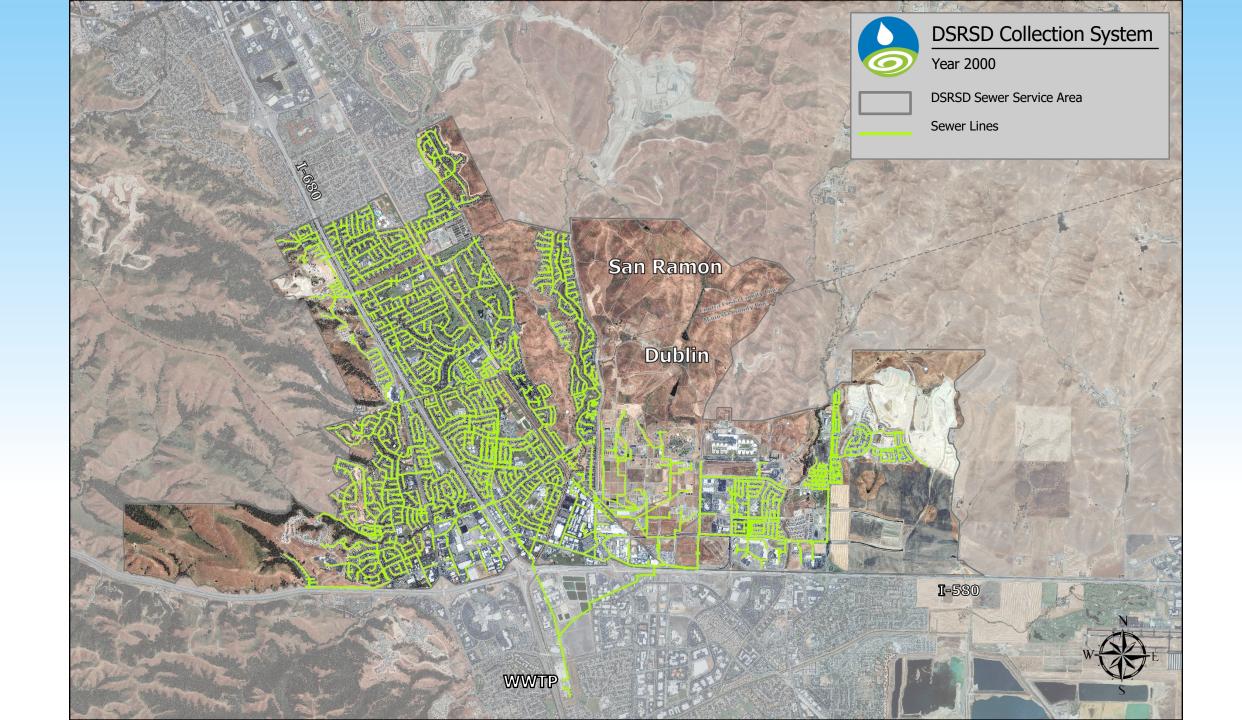


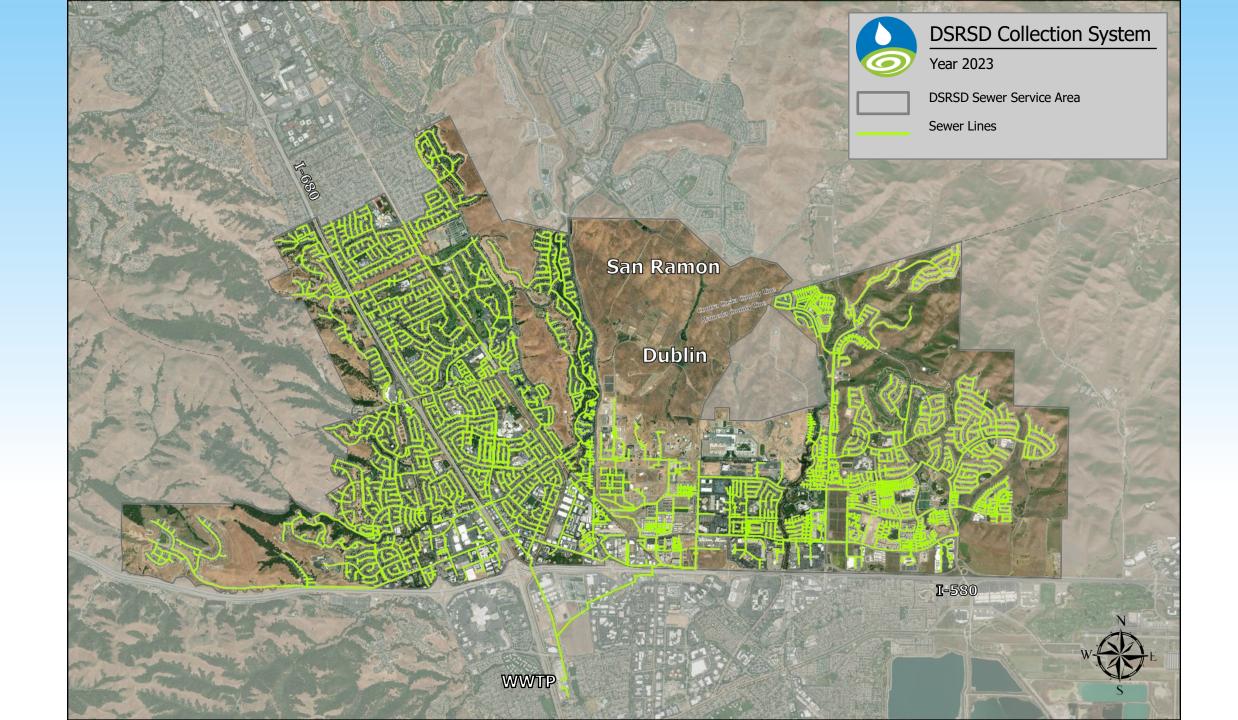












2023 Operations Workforce Study

- » Comprehensive review of Operations Department staffing needs
 - Level of service
 - District Strategic Plan
 - Span of control and organizational efficiencies
 - Succession and business continuity needs
- » Inform budget preparation for FYE 2024 and FYE 2025



RAFTELIS



Dublin San Ramon Services District

Operations Department
Workforce Study
Project Report

March 7, 2023



Agenda

- 1. About Raftelis
- 2. Project Purpose and Approach
- 3. Benchmarking
- 4. Findings and Recommendations

Who is Raftelis?

One of the most experienced local government financial and management consulting practices in the nation.

30 years serving local governments and utilities

More than **140 consultants** across the U.S.

Raftelis has provided financial/ organizational assistance for 1,200+

public agencies and utilities

that serve more than

25%

of the U.S. population

including the agencies serving

38/50

of the nation's 50 largest cities

and including

1,200+

municipal and county governments

Raftelis Firm Capabilities



FINANCE

Meet your goals while maintaining a financially sustainable organization

Financial and capital planning Budget development Financial condition assessments



COMMUNICATION

Communicate strategically to build an informed, supportive community

Strategic communication planning Public involvement and community outreach Virtual engagement



STRATEGIC PLANNING

Set the direction for the future of your organization and community

Organization, department, and community-based strategic planning
Effective Board / Commission / Council

governance

Retreat planning and facilitation



ORGANIZATION

Plan for long-term sustainability and operate with maximum efficiency

Organizational and operational assessments Performance measurement Staffing Analysis



TECHNOLOGY

Use your data and technology to improve experience and gain valuable insights

Business process development

Data management, analytics, and visualization

Performance measurement and dashboarding

Information technology assessments and strategic

planning



EXECUTIVE RECRUITMENT

Identify top talent to lead local governments and utilities



Your Team



Rebekka Hosken Senior Manager



Ben
Kittelson
Senior
Consultant



Scott Parker Senior Manager

Project Purpose and Approach





Goals of the Study

- Assess Operations Department staffing, structure, and operations to meet current and future needs
 - Plant Operations Division
 - Mechanical Maintenance Division
 - Instrumentation, Controls, and Electrical Division
 - Laboratory and Environmental Services
 - Operations Support Services Division
 - Field Operations (now in Engineering Department)
- Compare against best practices and benchmark against peer utilities

Approach and Methodology

- Process kicked off in May 2022
- Over 40 in-person and remote interviews with DSRSD staff
- Toured DSRSD plant facility
- Benchmarked DSRSD against eight California utilities
- Completed best practice research
- Reviewed DSRSD data and documents
- Completed project report



Benchmarking



Benchmarking Organizations

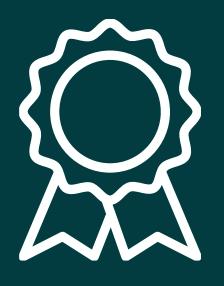
Utility	Total FTEs	Total Operations and Maintenance Budget	Customer Accounts
City of Livermore	61.50	\$37,126,267	42,900
Delta Diablo	77.50	\$31,685,452	71,650
Las Virgenes Municipal Water District	124.00	\$58,905,878	37,127
City of Hayward	124.06	\$96,597,204	70,608
Dublin San Ramon Services District (DSRSD)	132.00	\$72,007,173	50,613
Alameda County Water District (ACWD)	244.00	\$119,047,000	86,468
Central Contra Costa Sanitary District (Central San)	294.00	\$85,019,046	121,690
Inland Empire Utilities Agency (IEUA)	302.00	\$172,739,000	N/A
East Bay Municipal Utility District (EBMUD)	2,065.00	\$418,300,000	561,408

Benchmarking Findings

- DSRSD is in line with peer organizations for industry performance metrics:
 - Volume of water distributed, and wastewater treated
 - Customers served per employee
 - Expenditures per customer account
- Benchmarking is a useful snapshot but apples to apples comparisons are difficult
 - Does not capture quality of service level among peers
 - > Unique operating factors, like two JPAs, impact comparison

Findings and Recommendations





DSRSD Strengths

- Staff are dedicated and take pride in their work
- Operating teams generally work well together
- Broad spectrum operations, including water, wastewater, and recycled water
- Safety program is well-respected and appreciated by staff



Areas for Improvement

- Maintenance is mostly reactive; preventative maintenance can be improved to maximize the value of District assets
- Staff capacity does not meet labor requirements in some areas
- Regulatory compliance and administrative support can be strengthened
- As District has grown, roles have not always been clarified

Report Analysis and Recommendations



Preventative Maintenance and Safety





Preventative Maintenance

- In utilities, what we can see is the tip of the iceberg
- Most of DSRSD's assets are underground, behind a fence, and "invisible"
- In some areas, staff don't have capacity to be proactive and are mostly reactive
- There is limited capacity for asset management
- To maximize asset value and system reliability,
 DSRSD needs to invest resources in preventative maintenance

Field Operations

Add 4.0 FTEs to provide capacity for preventative maintenance

- AWWA and WEF best practice to have established valve turning and flushing programs
- Labor hour analysis used to calculate staffing need

Create a second Water/Wastewater Systems Supervisor position

- Supervisor has 15 direct reports now, 19 with additions
- Large span of control decreases the ability to support strategic initiatives and collaborate across DSRSD

Instrumentation, Controls, & Electrical

- Create an Electrician position to support ongoing project work
 - > Helps to ensure data is up to date
 - Cover increasing workload due to technology and growth
 - Important to have accurate equipment and asset data
 - Can offset contracted help already being utilized



Mechanical Maintenance

- Clarify service level expectations for Mechanical Maintenance responsibilities outside of the plant
 - > Expectations not defined for work performed on distribution and collection systems between Field Operations and Mechanical Maintenance
 - Two Mechanical Maintenance staff are responsible for maintenance and repair of mechanical systems outside plant grounds
 - Monitor the need for additional Field Mechanic position

Plant Operations and Laboratory





Plant Operations

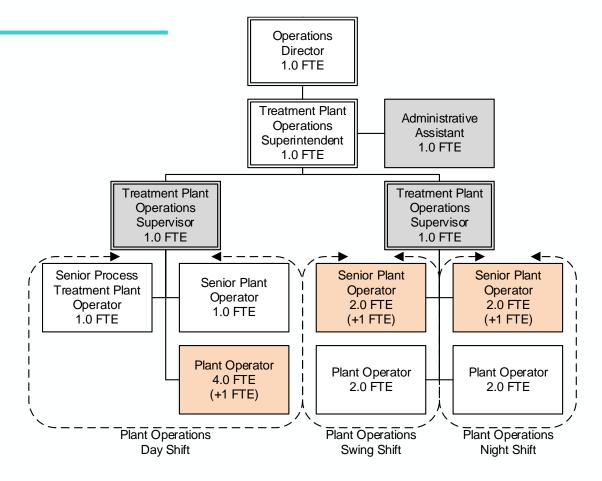
- DSRSD operations are 24/7
- Requires highly skilled Operators with multiple certifications
- The pool of skilled labor is limited and highly competitive

Increase Plant Operations staffing by 3.0 FTEs to ensure adequate coverage

- Additional staff needed to meet minimum coverage for shift schedule
 - > Minimum staffing is 3.0 FTEs on day shift and 2.0 FTEs on other shifts
 - Minimum of 1.0 Senior Operator FTE per shift
- Current staffing level does not account for leave and training coverage
 - Takes years to bring new staff member up to speed
- Some potential offset in overtime costs

Convert two Senior Process Operators to Supervisors

- Plant Operations does not currently use Supervisor positions
- Peers have both a Superintendent and Supervisor level
- Superintendent has 13 direct reports across three shifts; takes time away from strategic and collaborative efforts





Laboratory

- Critical part of DSRSD operations and benefit for safe and healthy operations
- Provides Operations the ability to adjust biology and chemistry in real-time
- Chemists and Operators can interact regularly
- Lab has had some turnover related to workload concerns

Increase Laboratory Capacity by 2.0 FTEs

- Regulatory environment is changing nationwide
- State of California has issued new accreditation standards that must be met in 2023
 - Maintaining accreditation will allow the lab to meet utility needs in a changing regulatory and technology landscape
 - > Will have an estimated 1,496 labor hour impact
- Add one Laboratory Technician to address immediate needs
- Add Environmental Chemist to support necessary quality assurance and quality control

Regulatory and Administrative





Regulatory Compliance

- Filing of State, Federal, and other mandated reports
- Critical function to ensure DSRSD keeps its permits to operate
- Changing regulatory environment and increasing workload
- Operations Compliance Manager at maximum capacity now

Regulatory Compliance

- Create a cross-functional task force to clarify roles for data collection and compliance reporting
 - > Responsibility and roles compliance across the organization are not clear
 - Best practice is to have operating divisions collect high quality data and provide to compliance staff for analysis and reporting
- Monitor the need for additional analytical capacity for regulatory compliance
 - Allow other changes to take effect first, which should reduce workload for current staff
 - Additional analyst-level position may be necessary to support the Operations
 Compliance Manager and proactively monitor changing regulations

Warehouse Inventory Management

- Create one Warehouse Specialist position to manage equipment and parts inventory
 - Each workgroup does their own inventory management and receipt of deliveries
 - As a result, inventory control is weak
 - Warehouse position could better coordinate purchases, manage supply, receive deliveries, and keep inventory control
 - > Frees up other staff capacity for their primary roles

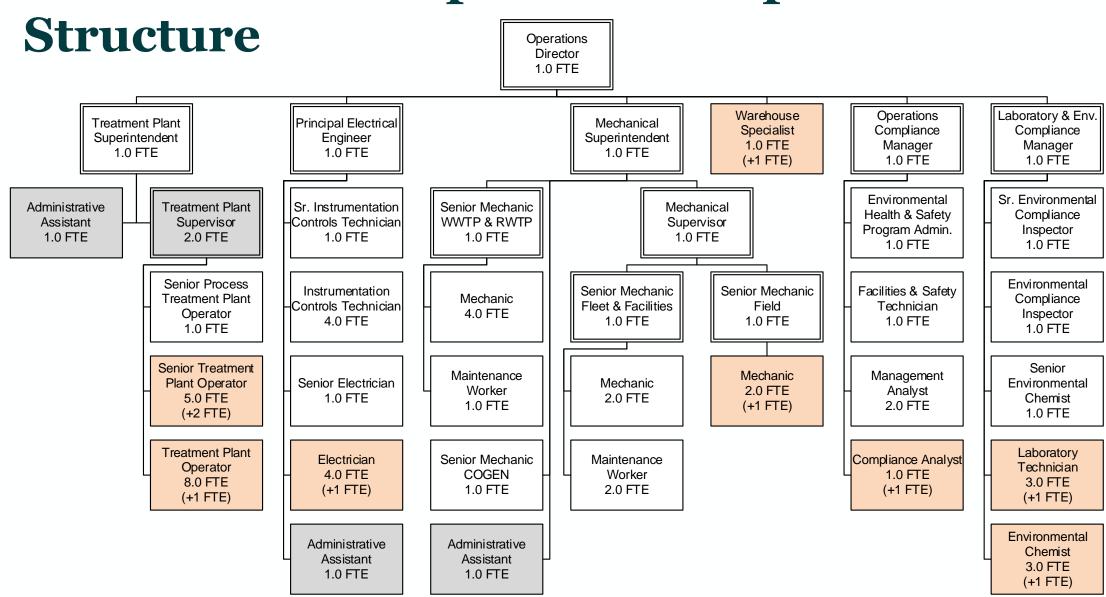
Service Level and Role Clarity

- There is a need to clarify expectations for several areas of operation to improve the effectiveness of staff
 - Coordination between Field Operations and Mechanical Maintenance
 - Responsibility for safety related systems and equipment
 - Size and scope of safety program
 - Direct administrative support for Operations Divisions
- Improve asset management by identifying a position to coordinate and lead efforts
 - Current cross-departmental approach should be maintained

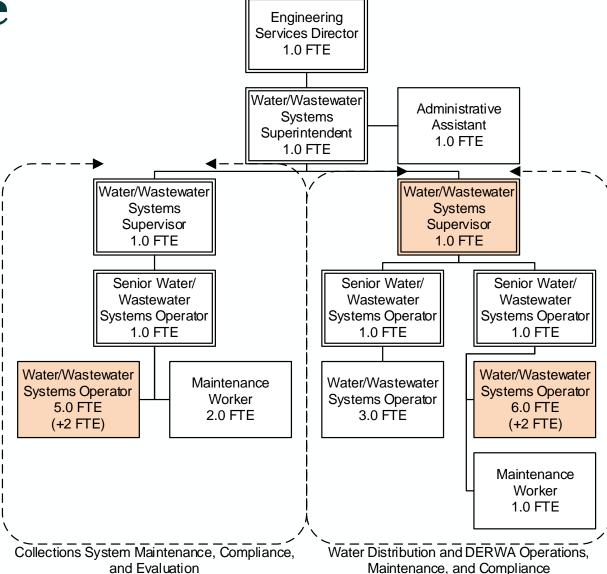
Recommended Structure & Additional Staffing



Recommended Operations Department



Recommended Field Operations Division Structure



Staffing Summary

Division or Program Area	Position	Estimated
Division of Frogram Area	1 CSILIOII	Cost
Laboratory and Technical Services	New. +1 FTE Environmental Chemist	\$199,526
Laboratory and recrimical Services	New. +1 FTE Laboratory Technician	\$165,781
Field Operations	New. +4 FTEs Water/Wastewater Systems Operator	\$676,348
	New. +1 FTE Water/Wastewater Systems Supervisor	\$232,750
Plant Operations	New. +2 FTEs Senior Wastewater Treatment Plant Operator	\$374,344
	New. +1 FTEs Wastewater Treatment Plant Operator	\$160,846
	Convert. 2 FTEs Wastewater Treatment Plant Supervisor	\$63,624
Mechanical Maintenance	New. +1 FTE Field Mechanic	\$176,145
Instrumentation, Controls, and Electrical	New. +1 FTE Electrician	\$188,466
Operations Administration	New. +1 FTE Warehouse Specialist	\$164,509
Operations Support Services	New. +1 FTE Regulatory Compliance Analyst	\$188,660
Total:	+14 FTEs and +2 Conversions	\$2,590,999

Recommended Phasing of Staff Positions

Division	Immediate	FY2024	FY2026	FY2027
Laboratory and Technical Services	+1 FTE Environmental Chemist +1 FTE Laboratory Technician			
Field Operations	+2 FTEs Water/Wastewater Systems Operator	+1 FTE Water/Wastewater Systems Supervisor	+2 FTEs Water/Wastewater Systems Operator	
Plant Operations	Convert 2 Wastewater Treatment Plant Supervisors	+1 FTE Senior Wastewater Treatment Plant Operator +1 FTE Wastewater Treatment Plant Operator	+1 FTE Senior Wastewater Treatment Plant Operator	
Mechanical Maintenance				+1 FTE Field Mechanic
Instrumentation, Controls, and Electrical		+1 FTE Electrician		
Regulatory/ Administrative	+1 FTE Warehouse Specialist			+1 FTE Regulatory Compliance Analyst
Total New FTEs	+5 FTEs +2 Conversions	+4 FTEs	+3 FTEs	+2 FTE
Estimated Impact	\$931,614	\$769,234	\$525,346	\$364,805



Thank you!

Contacts:

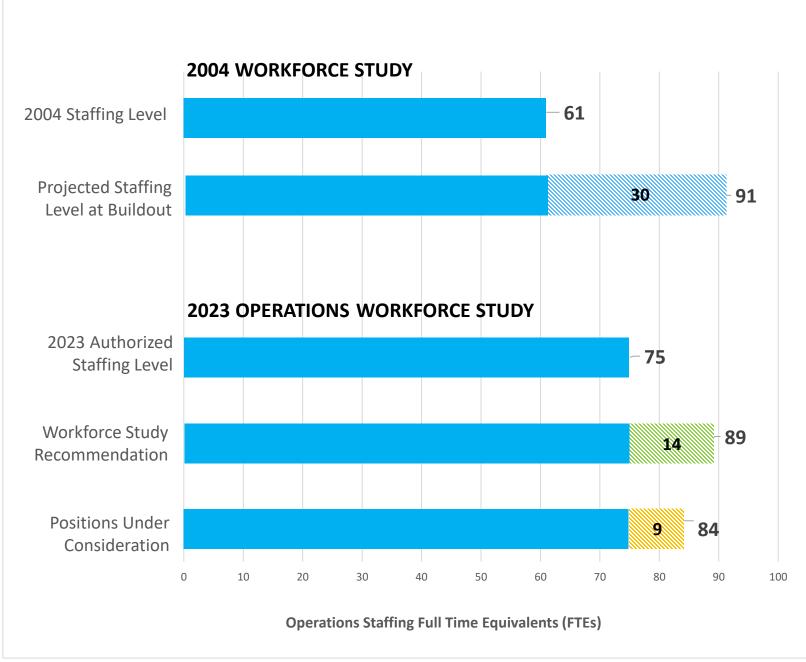
Rebekka Hosken, Senior Manager / 818.632.4086 / rhosken@raftelis.com

Ben Kittelson, Senior Consultant / 503.819.5343 / bkittelson@raftelis.com

Scott Parker, Senior Manager / 913.238.1131 / sparker@raftelis.com









Positions under Review for FYE 2024 and FYE 2025

Division	Position Request	
Laboratory and Environmental Compliance	2	
Field Operations	2	
Plant Operations	2	
Operations Support Services	1	
Instrumentation, Controls, and Electrical	1	
Mechanical	1	
TOTAL	9	





Next Steps

- » Complete review of staffing positions for FYE 2024 and FYE 2025
- » Incorporate recommendations into Operating Budget
- » Review and implement opportunities to increase efficiency
- » Reassess workforce needs in 2025

