



# Water Utility Enterprise – Overview

Presented by: Nina Hawk, Chief Operating Officer

# Water Utility Enterprise

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Providing safe, reliable  
water to Santa Clara  
County now and for future  
generations.



**Nina Hawk,**  
*Chief Operating Officer*



# Water Utility Business Planning and Analysis Unit 316

- Manages strategic projects that span multiple divisions
- Direct input at the executive management level
- Manages the technical training program
- Provides training for required certifications to maintenance, operations, and engineering staff.





# Water Utility Capital Division

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- Responsible for consistently delivering high quality innovative
- Uses best-in-class management and technical skills





## Design and Construction - Unit 333

- Works on capital watershed projects.
- Flood protection and fish passage.

## Construction Services – Unit 351

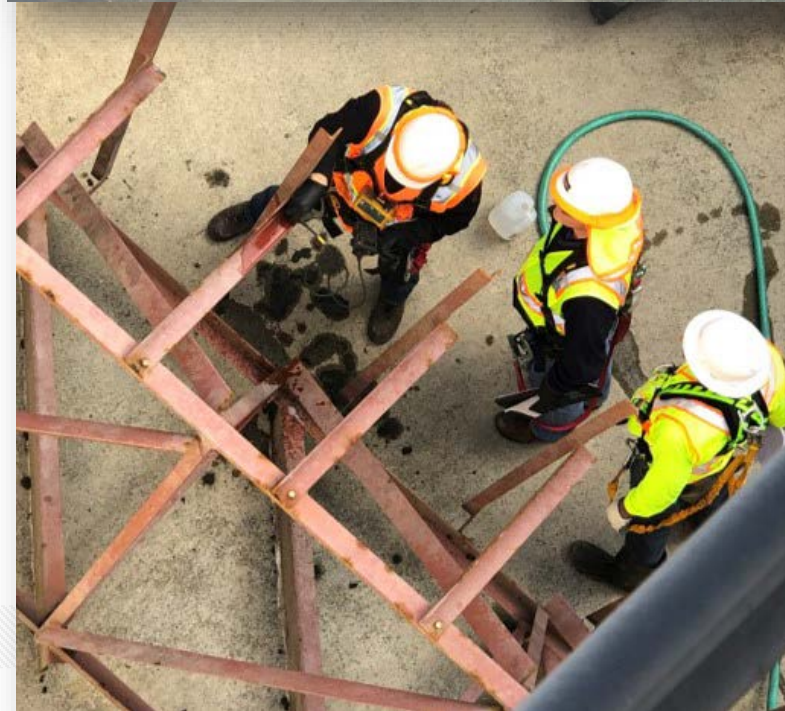
Provides construction management for Capital projects during the construction phase.

## Treatment Plants Project Delivery – Unit 376

Responsible for delivering and close-out of water supply capital projects associated with treatment plants and either facilities on the east side of Santa Clara County.

## Pipelines Project Delivery – Unit 385

- Unit staff provide structural and geotechnical services to various projects.
- Comprised of civil, geotechnical and structural engineers.

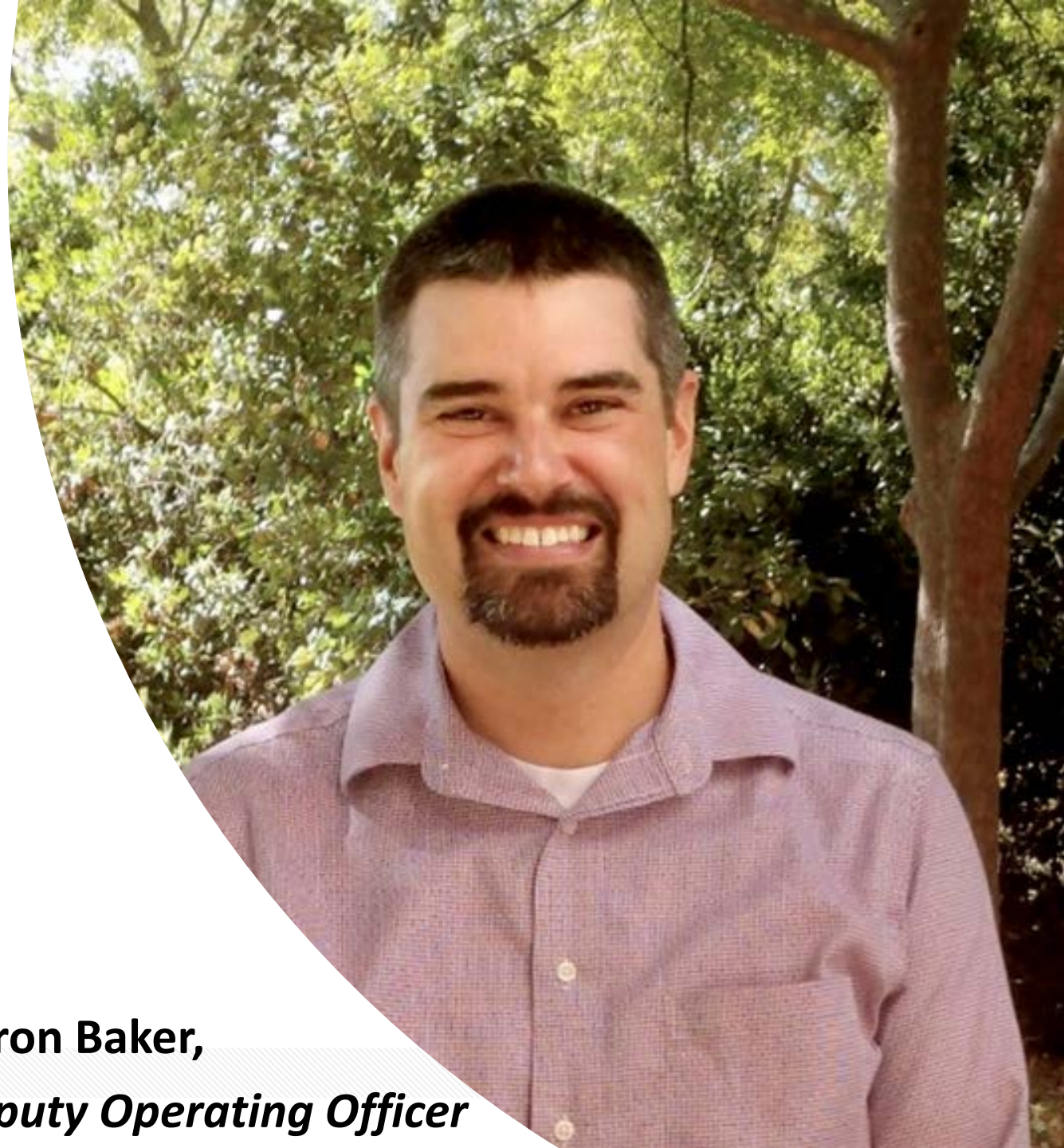




# Raw Water Division

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- Maintains and operates 142 miles of large diameter transmission pipelines
- Including 94 miles of raw water pipelines and tunnels,
- Three pumping plants and 99 ponds used to recharge the groundwater basin.
- Use of local and imported raw water supplies are maximized to meet treated water, groundwater





## Utility Maintenance Engineering – Unit 435

- Provides civil and mechanical engineering
- Corrosion control services

## Raw Water Operations - Unit 455

- Ensures local and imported water supplies are managed effectively
- Provides reliable supply to Valley Water's three water treatment plants

## Treatment Plant Maintenance – Unit 555

- Conducts preventive, corrective and rehabilitative maintenance
- Produces drinking water

## Raw Water Field Ops and Pipeline Maintenance – Unit 585

- Mechanical, electrical, and control system preventive, corrective, and rehabilitative maintenance of the distribution system infrastructure





# Water Supply Division

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- Responsible for ensuring that the water supply is reliable to meet both the current and future needs of the community and the environment.
- Plans and implements integrated water supply management programs.



**Garth Hall,**  
***Deputy Operating Officer***



**Jerry De La Piedra**  
***Assistant Operating Officer***



## Recycled and Purified Water Program - Unit 410

- supports expansion and development of recycled and purified water
- collaborates, negotiates and executes long-term agreements with various partners
- leads various planning and research studies

## Water Supply Planning & Conservation – Unit 445

- evaluates water supplies and demands,
- leads the development of the long-term water supply strategy
- guides future water supply investments,
- implements over 20 different conservation programs

## Ground Water Monitoring & Analysis - Unit 465

- helps ensure continued sustainability
- Provides accurate and timely information on current and forecasted groundwater conditions;
- Ensures compliance with California Water Code Sustainable Groundwater Management Act (SGMA) requirements;





## Imported Water - Unit 425

protects, manages, and  
develops imported water  
supplies



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## Wells and Water Measurement – Unit 475

responsible for the Well  
Ordinance Program





# Treated Water Division

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- Manages three potable water treatment plants,
- provides a reliable high-quality drinking water supply to Santa Clara County. In addition,
- operates the Campbell Well Field to provide backup supply to the treated water system, and the
- Operates Silicon Valley Advanced Water Purification Center to advance the quality and use of recycled water in the county



**Bhavani Yerrapotu,**  
***Deputy Operating Officer***



## District-wide Asset Management – Unit 411

- implements a comprehensive asset management program
- optimizes infrastructure investment strategies
- enhances related financial planning of assets

## Water Quality – Unit 525

Provides water quality operational, process and project support directly to the treated water managers and Water Treatment Plant supervisors and operators

## Treatment Plant Process and Commissioning – Unit 516

- leads the commissioning and start-up activities at treatment facilities and treated water pipelines,
- implements treatment process changes

## Laboratory Services – Unit 535

provides analytical and sampling services to the Water Utility Enterprise





## Utility Electrical & Control Systems Engineering – Unit 545

- provides electrical, control systems, and Supervisory Control and Data Acquisition (SCADA) engineering services
- direct technical services, in support of the utility's critical infrastructure and systems

## North Water Treatment Operations – Unit 565

- provides safe and high-quality drinking water to Valley Water's three (3) treated water retailers along East/Milpitas Pipelines
- including San Jose Water Company, City of San Jose, and City of Milpitas.

## South Water Treatment Operations – Unit 566

- provides safe, healthy and high-quality drinking water
- provides a backup supply of drinking water to Valley Water's seven (7) treated water retailers, and residents of the Santa Clara

County



# QUESTIONS







# Valley Water

Clean Water • Healthy Environment • Flood Protection