Water Utility Enterprise – Overview

Presented by: Nina Hawk, Chief Operating Officer
Water Utility Enterprise

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

- Responsible for consistently delivering high quality innovative

- Uses best-in-class management and technical skills

Heath McMahon, Deputy Operating Officer
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

• 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

Aaron Baker,
Deputy Operating Officer
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

- 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

Wells and Water Measurement – Unit 475

responsible for the Well Ordinance Program
Treated Water Division

- 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