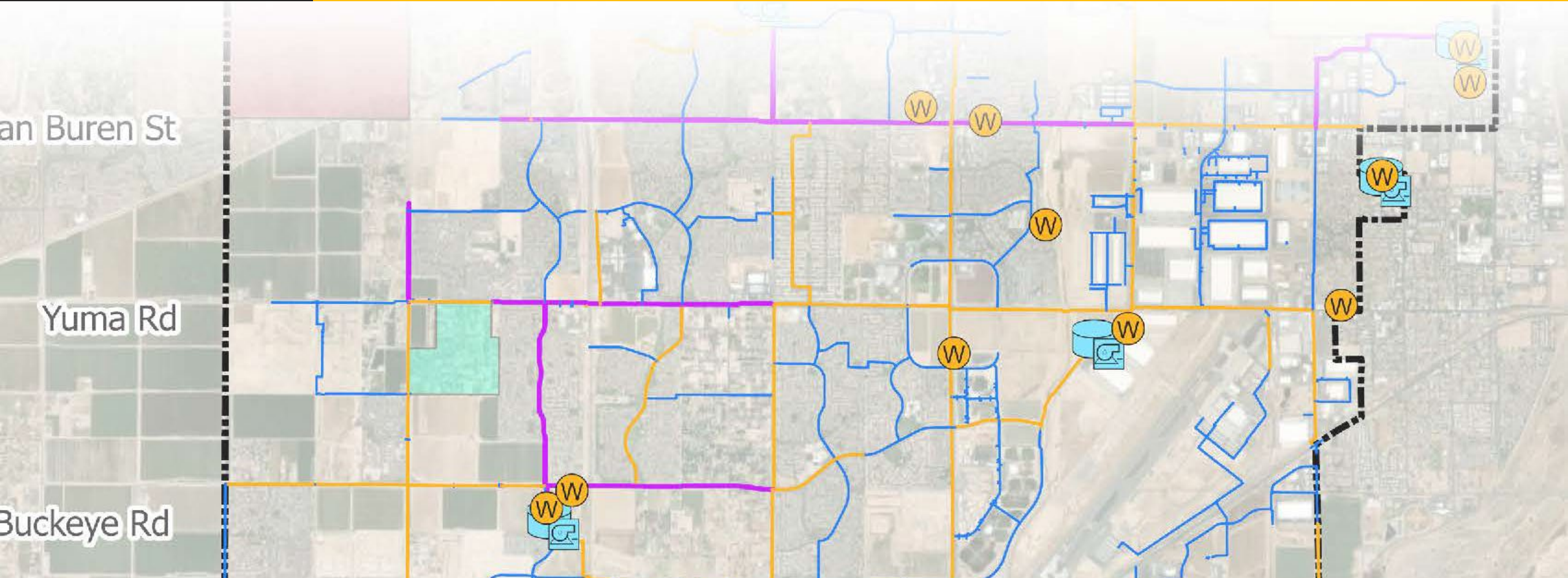




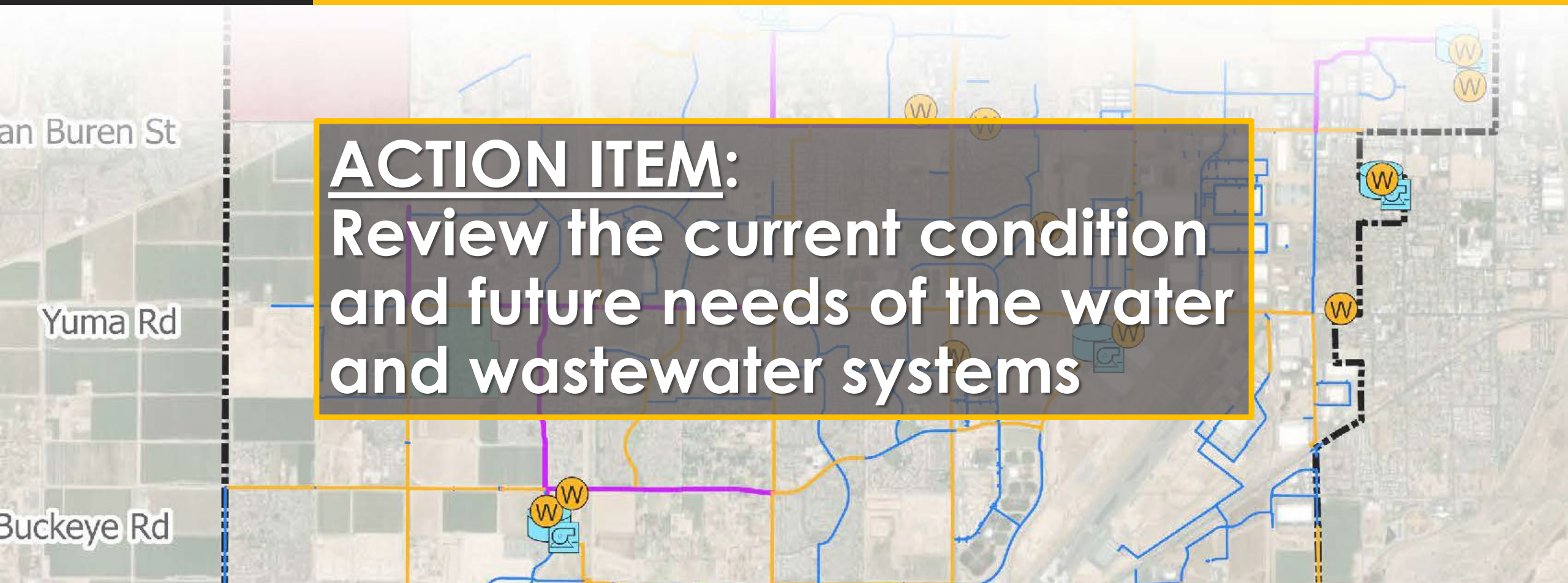
Water and Wastewater Analysis – Water Services Action Item

FY2025 Strategic Plan Update



Water and Wastewater Analysis – Water Services Action Item

FY2025 Strategic Plan Update



ACTION ITEM:
Review the current condition
and future needs of the water
and wastewater systems

Water and Wastewater Analysis – Water Services Action Item

FY2025 Strategic Plan Update



ACTION ITEM:
**Update the City's Integrated
Water Master Plan (IWMP)**



Water and Wastewater Analysis – Water Services Action Item

2024 Integrated Water Master Plan (IWMP)

Overview

- What is an IWMP?
- Purpose
- Water Planning Areas
- Areas of Focus
- Key Takeaways





Water and Wastewater Analysis – Water Services Action Item

2024 Integrated Water Master Plan (IWMP)

What is an IWMP?

- Resources
- Systems
- Current Conditions
- Growth Projections





Water and Wastewater Analysis – Water Services Action Item

2024 Integrated Water Master Plan (IWMP)

Purpose

- Water resources for future development
- System needs
- Modification of Designation of Assured Water Supply (DAWS)
- Rainbow Valley strategy



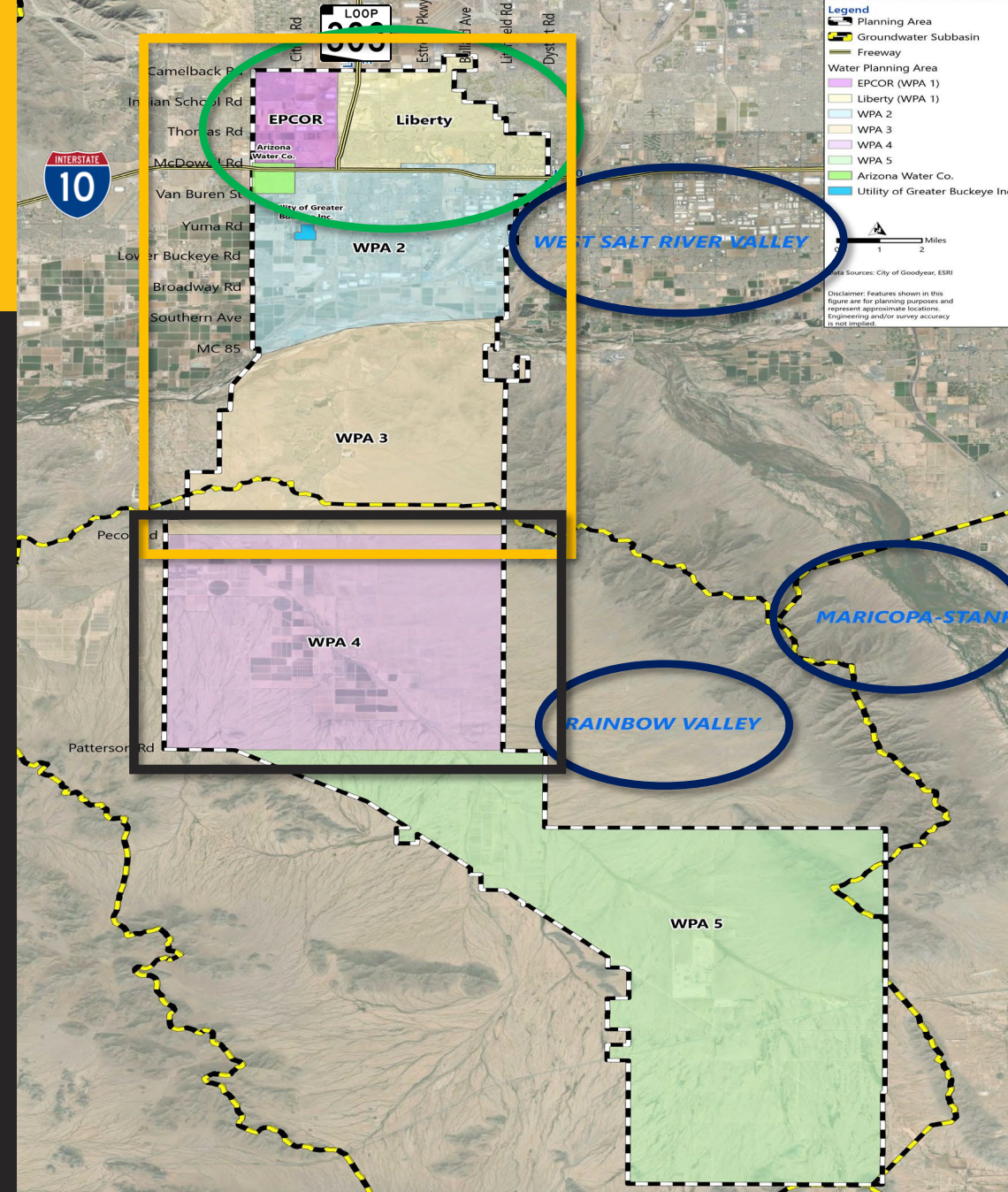


Water and Wastewater Analysis Water Services Action Item

2024 Integrated Water Master Plan (IWMP)

Water Planning Areas (WPA)

- Groundwater Basins
- Private Water Provider Service Areas
- City's Service Areas
 - Growth in WPA's 1, 2, & 3
 - Activity in WPA 4 – Rainbow Valley





Water and Wastewater Analysis – Water Services Action Item

2024 Integrated Water Master Plan (IWMP)

Areas of Focus

- Water Resources
- Water Infrastructure
- Wastewater Infrastructure
- Reclaimed Water





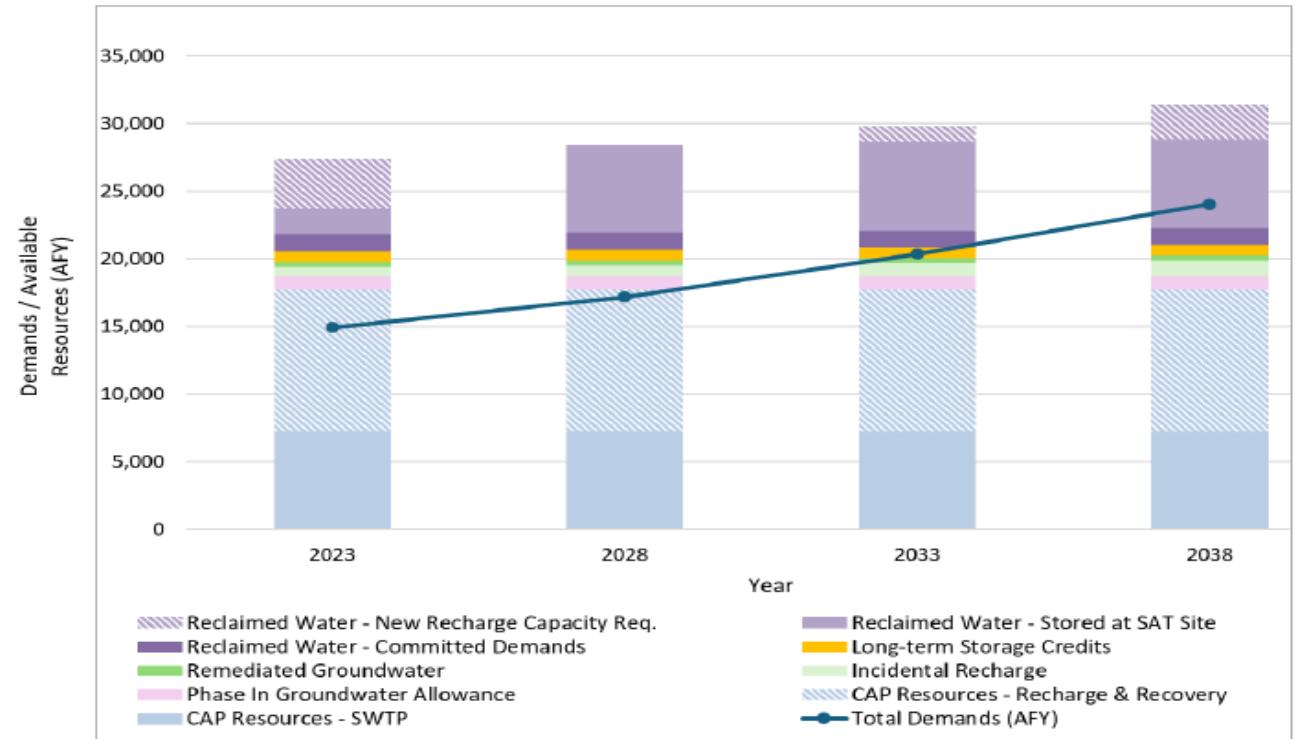
Water and Wastewater Analysis – Water Services Action Item

2024 Integrated Water Master Plan (IWMP)

Water Resources (pg. 4)

Paper Water

- Surface water
- Ground water
- Reclaimed water
- Long-term storage credits



Supplies exceed projected water demands for normal demand conditions



Water and Wastewater Analysis – Water Services Action Item

2024 Integrated Water Master Plan (IWMP)

Water Resources

Recommendations

- Water policy
- Maximize reclaimed water
- Rainbow Valley groundwater
- Bartlett Dam modifications

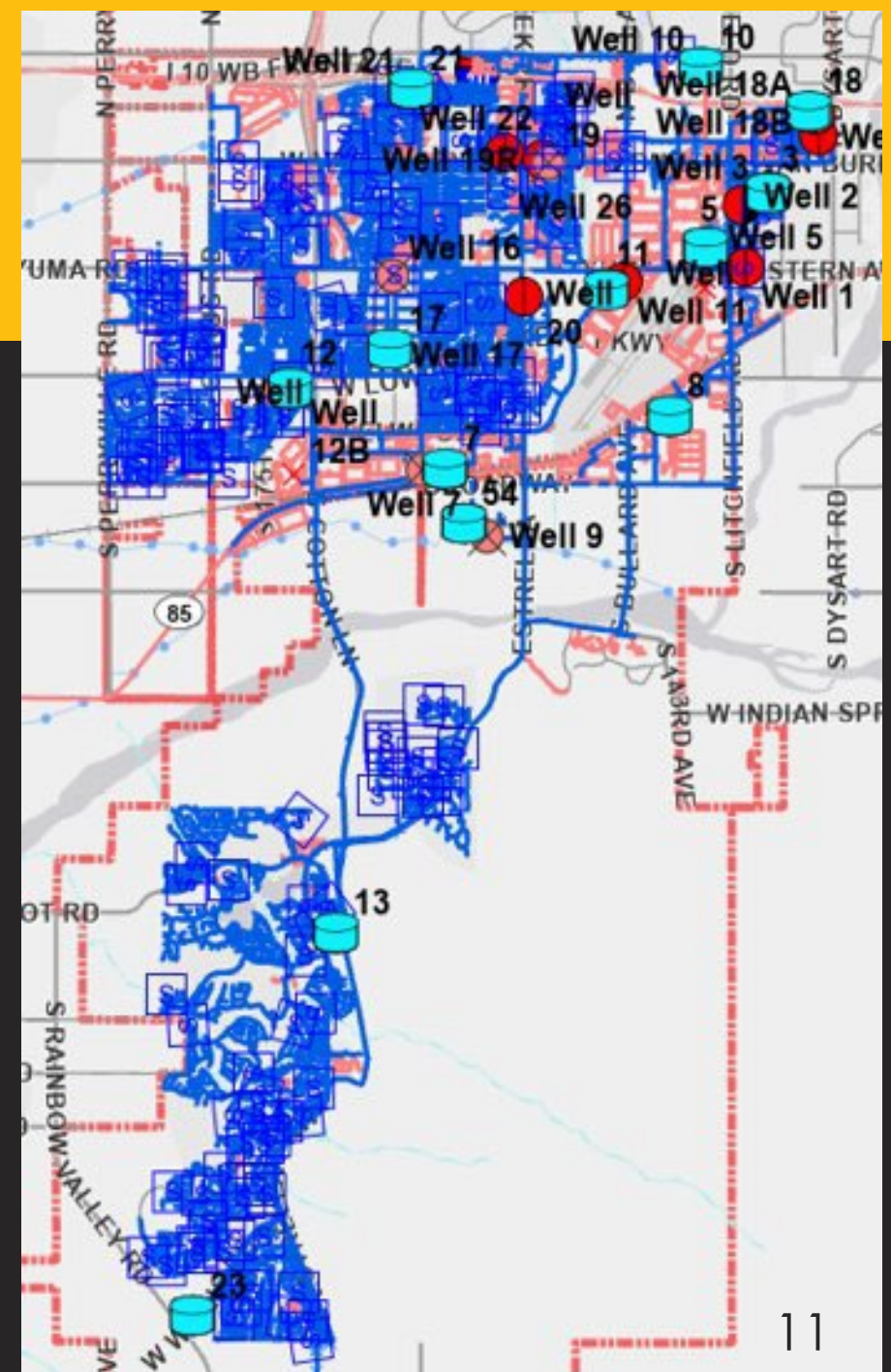




2024 Integrated Water Master Plan (IWMP)

Water Planning Areas 2 & 3

- Pipes & Hydrants
- Wells
- Treatment Plants
- Storage



Water and Wastewater Analysis – Water Services Action Item

2024 Integrated Water Master Plan (IWMP)

Water Infrastructure



Recommendations

- Expand surface water treatment plant
- Additional storage
- Pressure zone
- Expand groundwater treatment



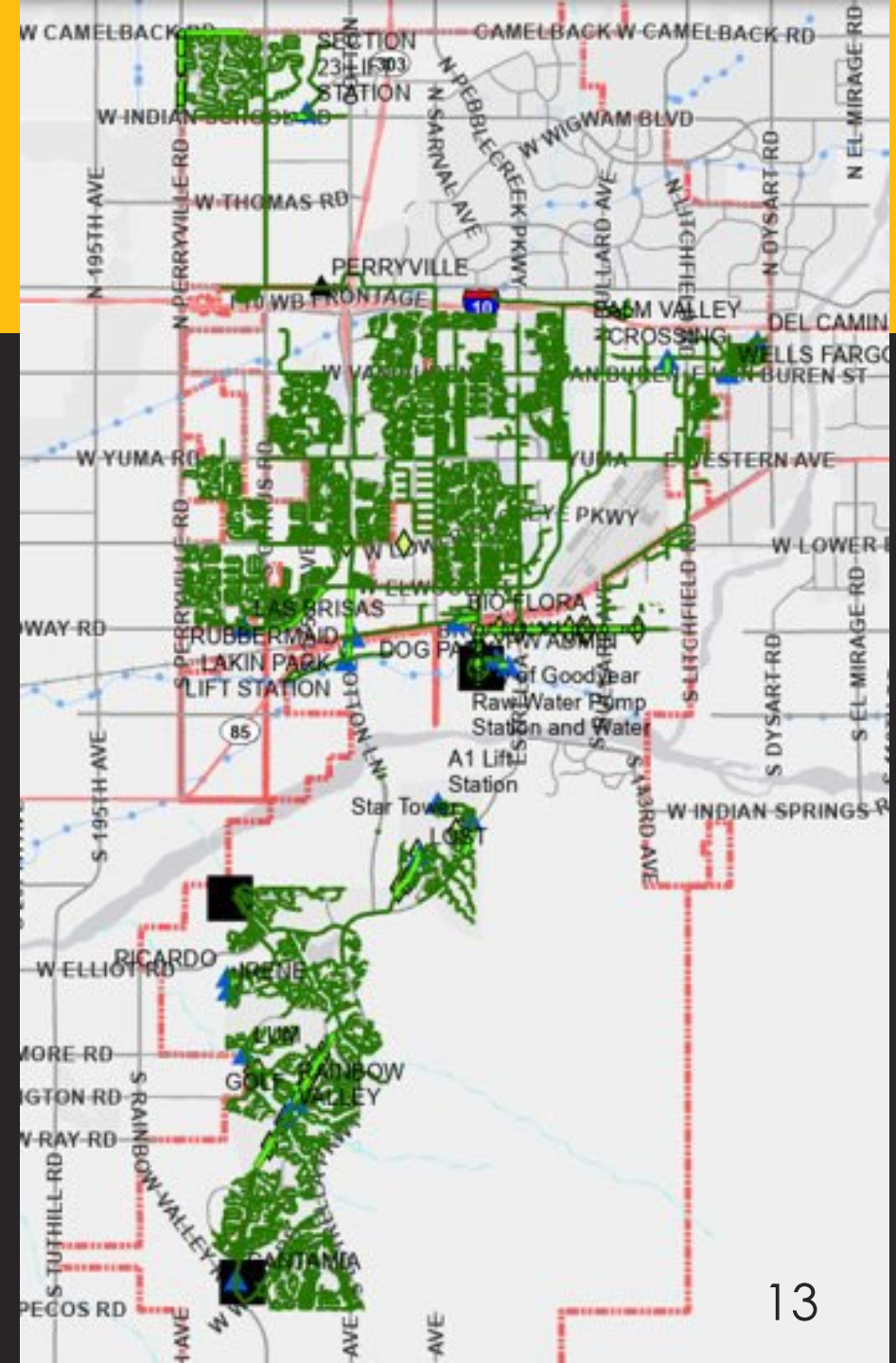
Water and Wastewater Analysis Water Services Action Item

2024 Integrated Water Master Plan (IWMP)

Wastewater Infrastructure (pg. 6)

Water Planning Areas 1, 2, & 3

- Pipes
- Manholes
- Lift Stations
- Treatment Plants





Recommendations

- Implement brine solution
- Infill improvements
- 157th Avenue Water Reclamation Facility expansion
- Rainbow Valley Water Reclamation Facility expansion



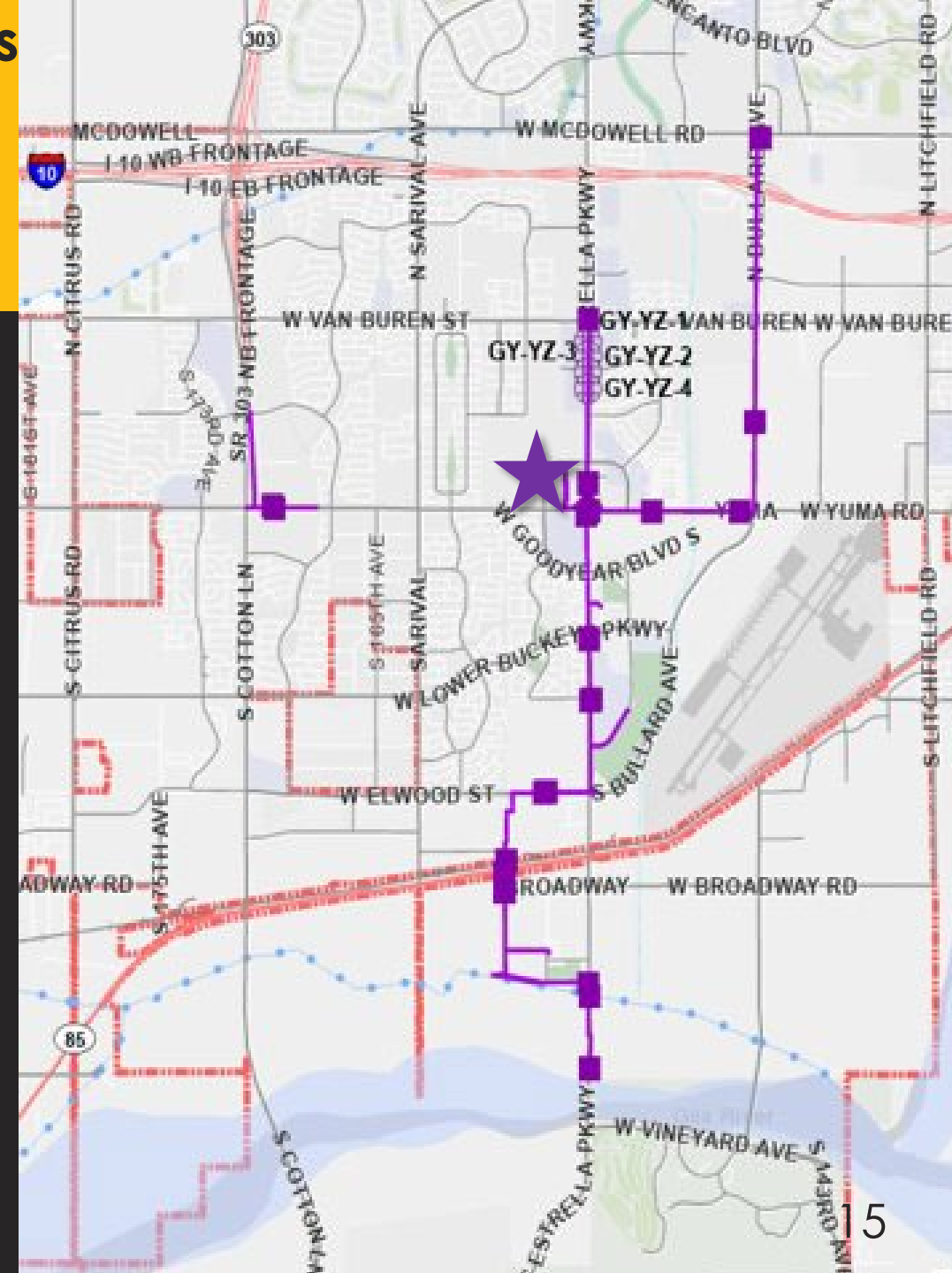
Water and Wastewater Analysis Water Services Action Item

2024 Integrated Water Master Plan (IWMP)

Reclaimed Water (pg. 7)

Water Planning Area 2

- Pipes
- Pumps
- Recharge Basins
- Wells



Reclaimed Water



Recommendations

- Increase recharge capabilities
- Extend recharge capabilities
- Direct use opportunities
- Future – Advanced water purification

Summary and Next Steps

Next Steps

Spring 2025

- WS Water Policy
- Adopt IWMP
- Adopt Water Policy

Fall 2025

- Adopt Ordinance(s)
- Rate/Impact Fees



Water and Wastewater Analysis – Water Services Action Item FY2025 STRATEGIC PLAN UPDATE

Questions and Discussion

ACTION ITEM:

Review the current condition
and future needs of the water
and wastewater systems