

Water Conservation Strategic Plan Final Draft & Proposed Adoption

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Plan Background

Impetus for the plan

- 2016 Program “reframing” with Water Resources & Sustainability – develop a plan
 - Transform Flagstaff into a Water Wise Leader
 - Develop innovative water efficiency plan to inform staff and community
- 2017 Council goal – national leader in conservation across all sectors
- 2017 budgetary increase: additional staff, programming, plan
- Quantify water conservation as a water supply



Plan outcomes

- Goal setting for Water Conservation Program
- Assess conservation actions for water savings and costs
- Revise conservation program work plan to maximize economic and community benefits
- Context for future rate study
- Addition of Flagstaff to the Alliance for Water Efficiency Leaderboard





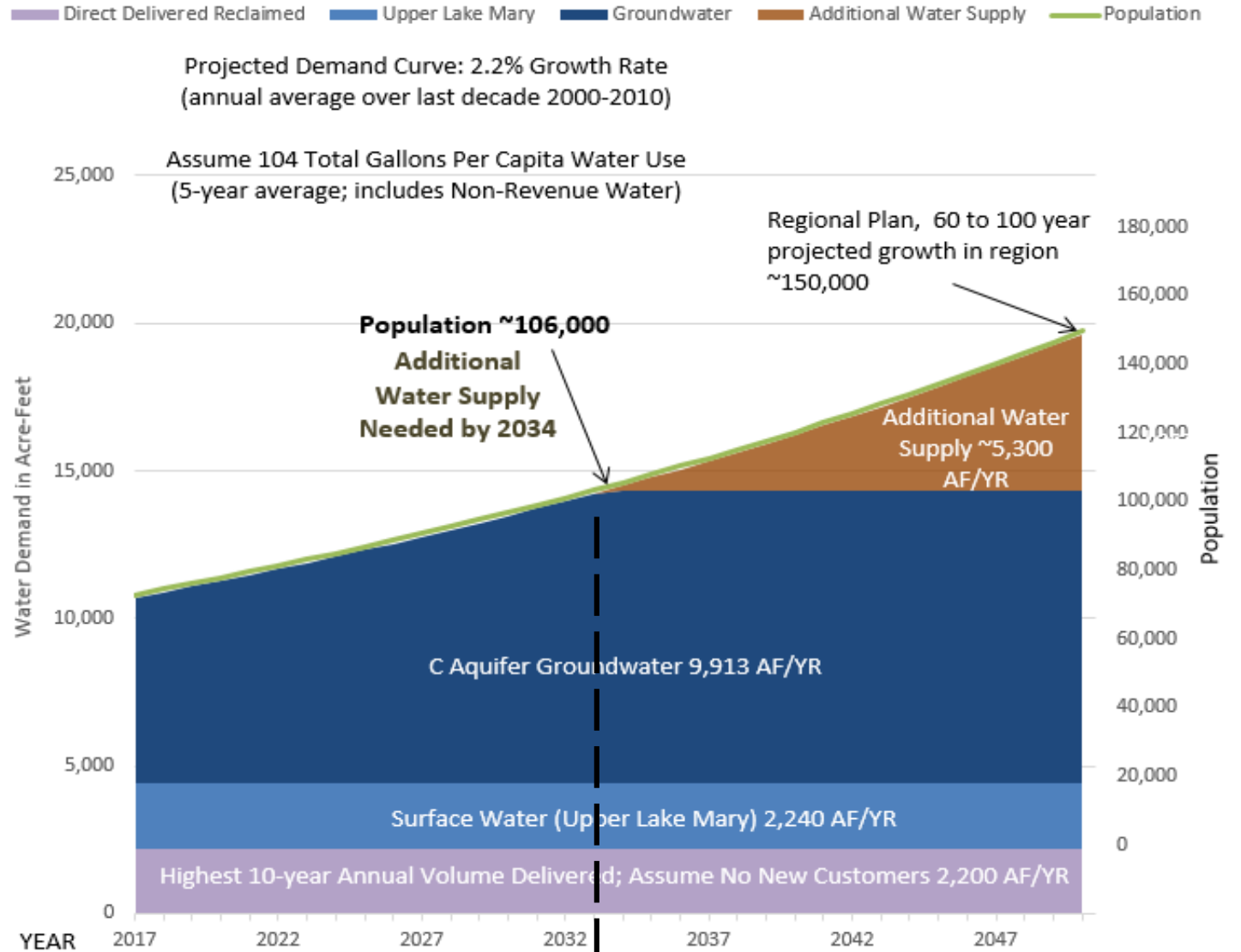
Optimized Conservation Program

- Potential water savings of an additional 690 acre-feet over existing program over the next ~20 years.
 - Estimated decrease of ~20 Total GPCD, mostly outdoors
- Estimated delay in need for new supply
 - Plumbing code delays new water supply from ~2033 to 2037
 - Current program delays new water supply by 5-years from ~2037 to 2042
 - Optimized program delays new water supply by 6 additional years to ~2048
- Significant deferred financial investment from reduced water production/new supply costs over the next ~30 years
 - Approximately \$160 million in deferred costs
 - \$448 per acre foot avoided costs



Water Resources Master Plan

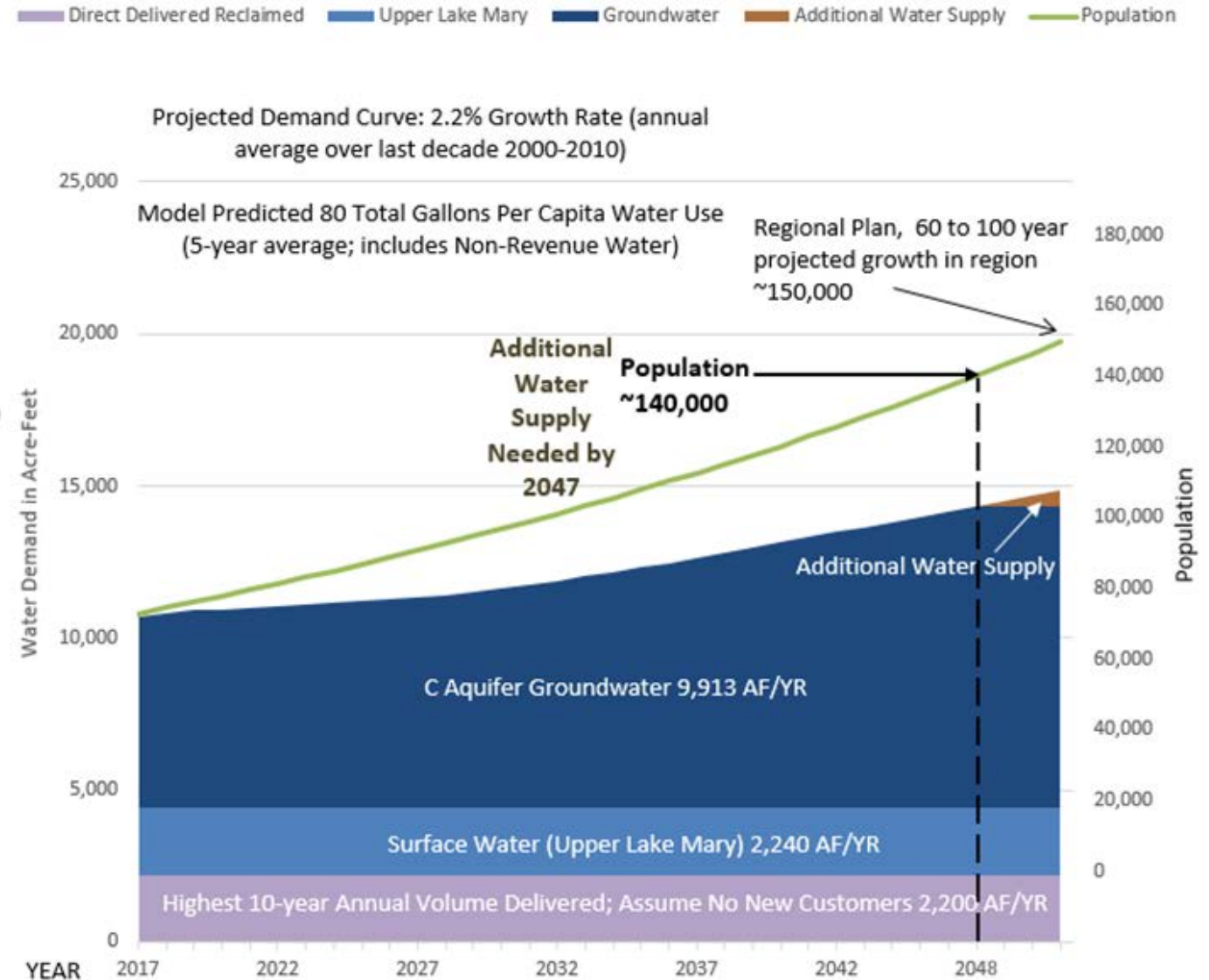
Water supply needs – assuming no conservation program





Water Resources Master Plan

Impact of proposed Conservation Program on water supply needs & avoided costs

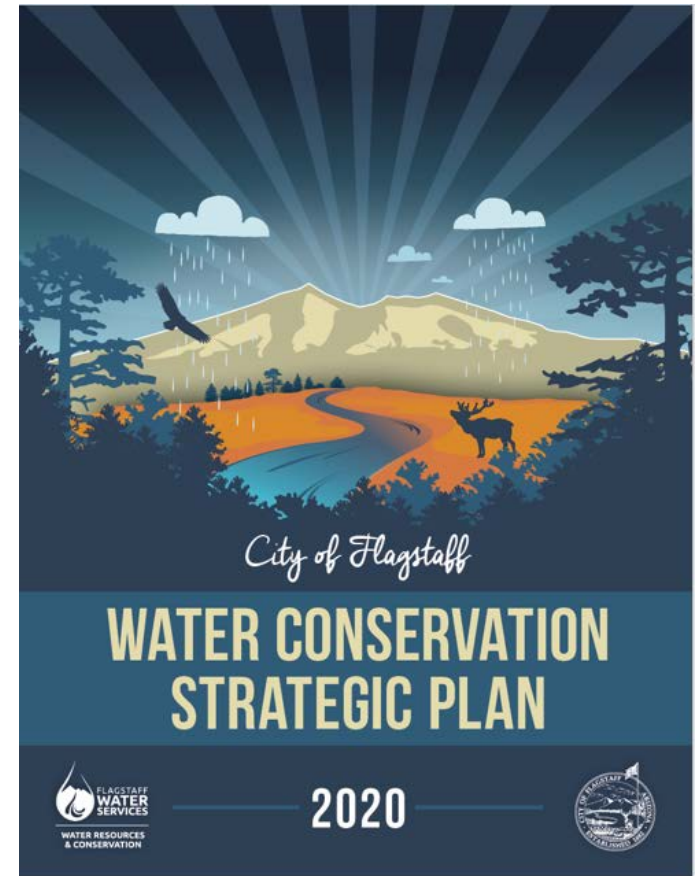




Staff Recommendation



- Council adoption Water Conservation Strategic Plan
- Recommendation to adopt from Water Commission on 11/19/2020
- Next steps:
 - Staff to finalize Implementation Plan
 - Recommend policy or City Code updates
 - Make adjustments to model for Covid-19/recession plan constraints





Discussion



Thank you!

