



SCV
WATER

Update on Urban Water Management Plan

Water Resources and Watershed Committee

March 10, 2021

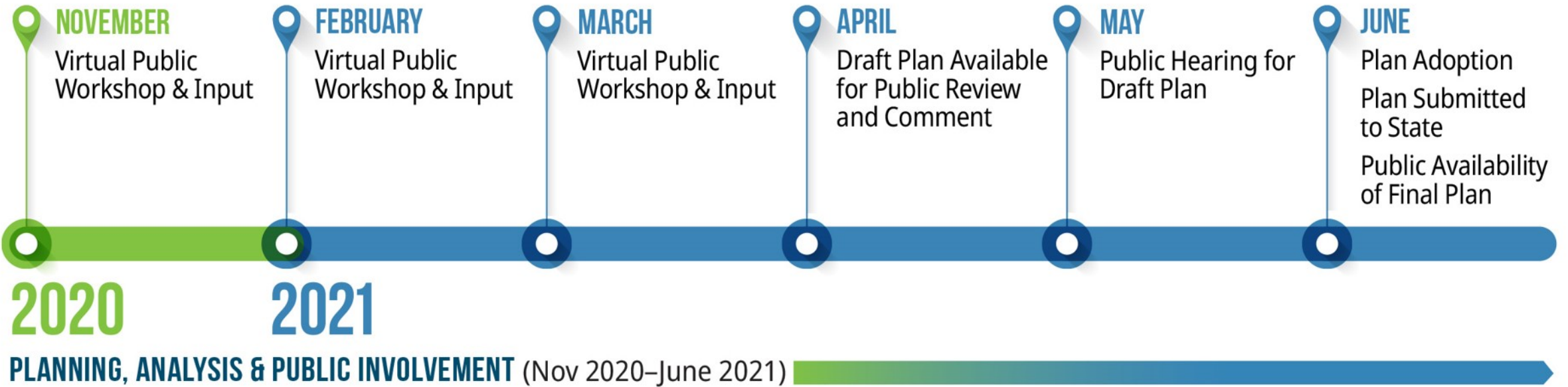
Item 4.1

Sarah Fleury

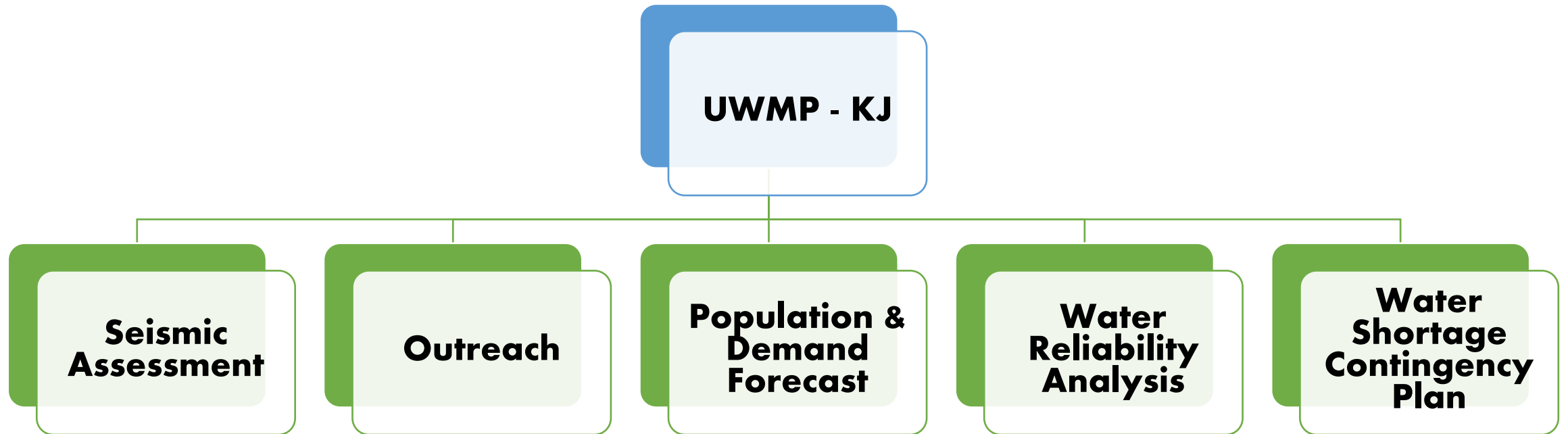


UWMP | Role of Public Involvement

TIMELINE & MILESTONES:



Updates



Kennedy Jenks - UWMP

Seismic Risk Assessment

Tech Memo Completed

- All tanks need to be anchored (74 of 90 require anchors)
- Site visits recommended
- Discussion with Ops staff about lowering operations capacity of the tanks to reduce risk
- Well sites and pump stations are significantly less at risk than storage tanks



Public Outreach

- Workshop #2 Completed!
- Planning 3rd Workshop
- UWMP 3rd Workshop March 22, 2021
 - Reliability Analysis, Reliability Tables, Seismic Assessment
- Presented for the SCV Planning Commission 3-2-21

Join us for a Virtual Public
Workshop to discuss our



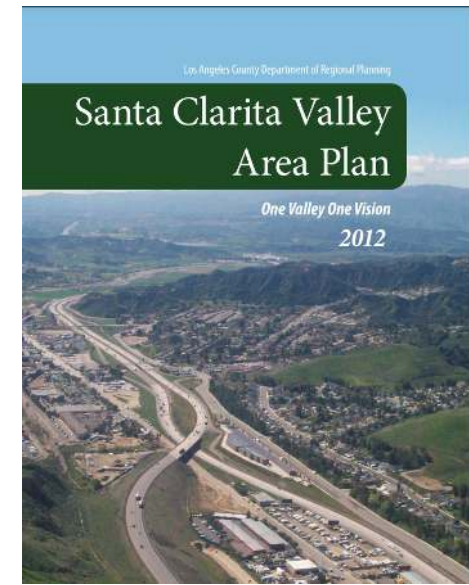
URBAN WATER MANAGEMENT PLAN



Monday, March 22, 2021
6:30– 8:00 p.m.



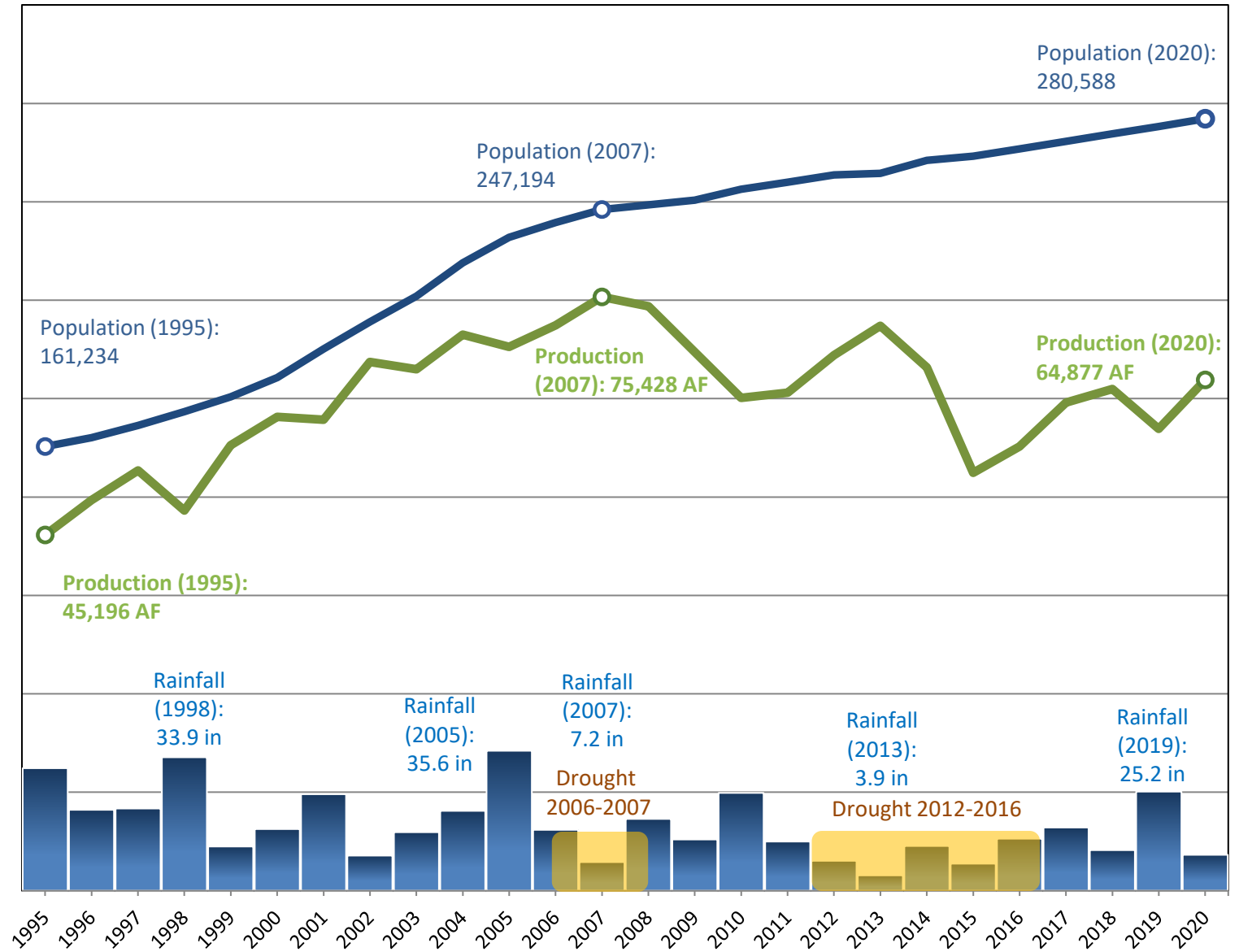
Overview of the Demand Forecast Development



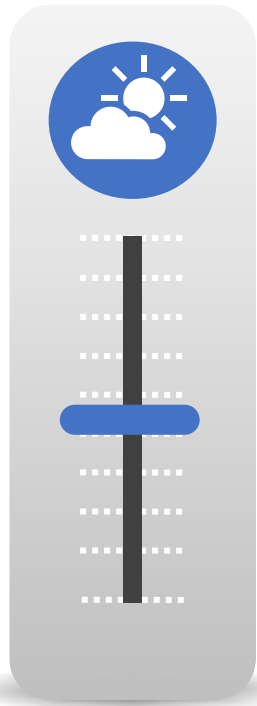
Historical Trends

1995-2020

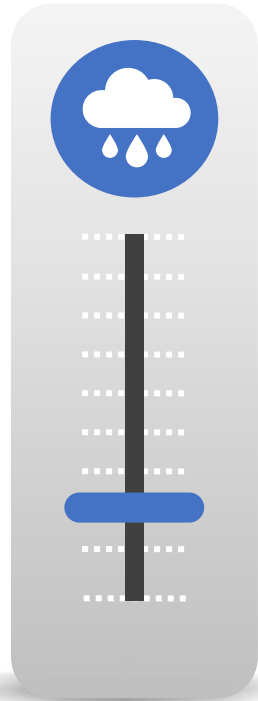
- Rainfall
- Population
- Production



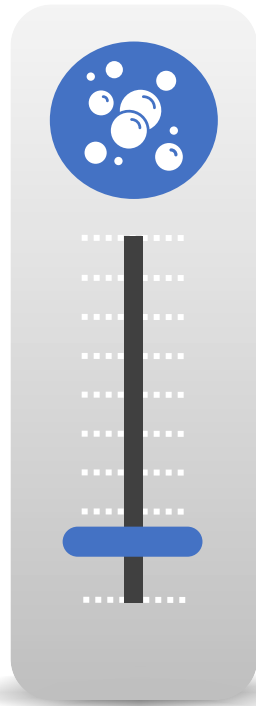
Adjustments to Future Demand Forecast



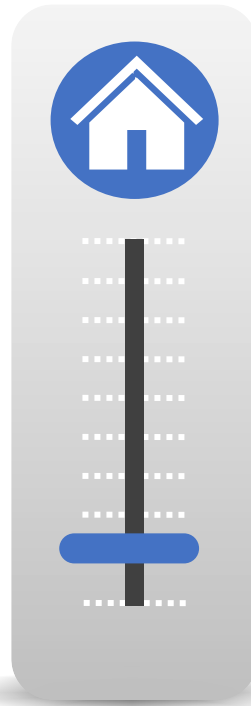
Climate Change
& Weather
Normalization



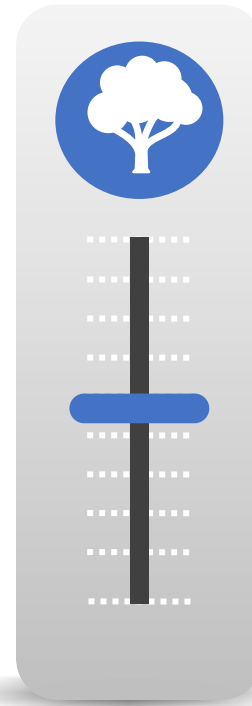
Drought
Rebound



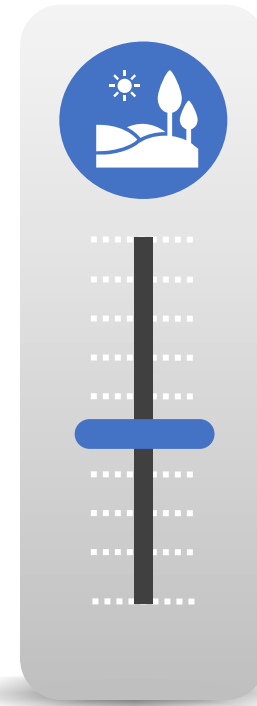
COVID-19



Accessory
Dwelling
Units



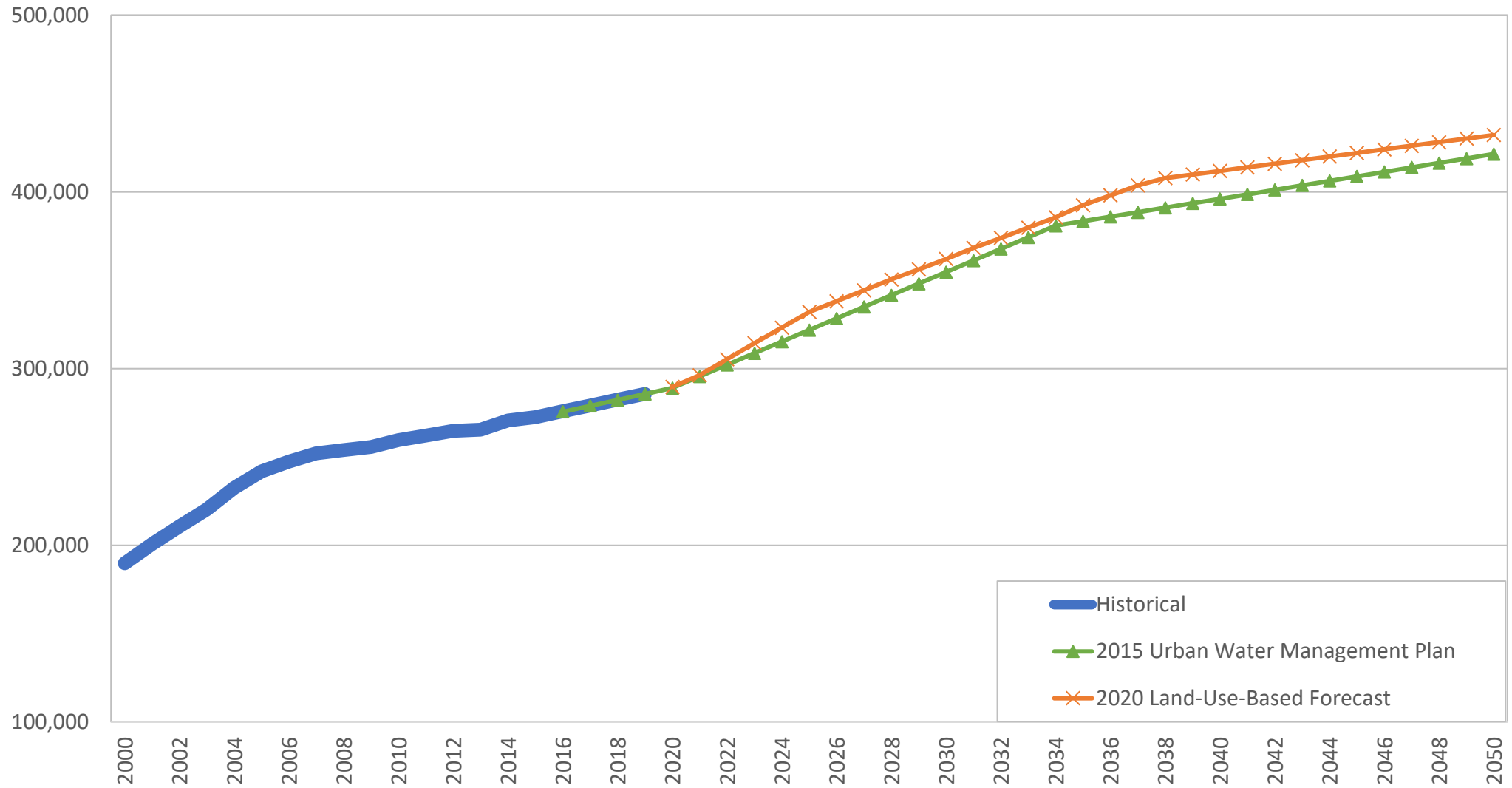
Irrigation
Demand
Factor



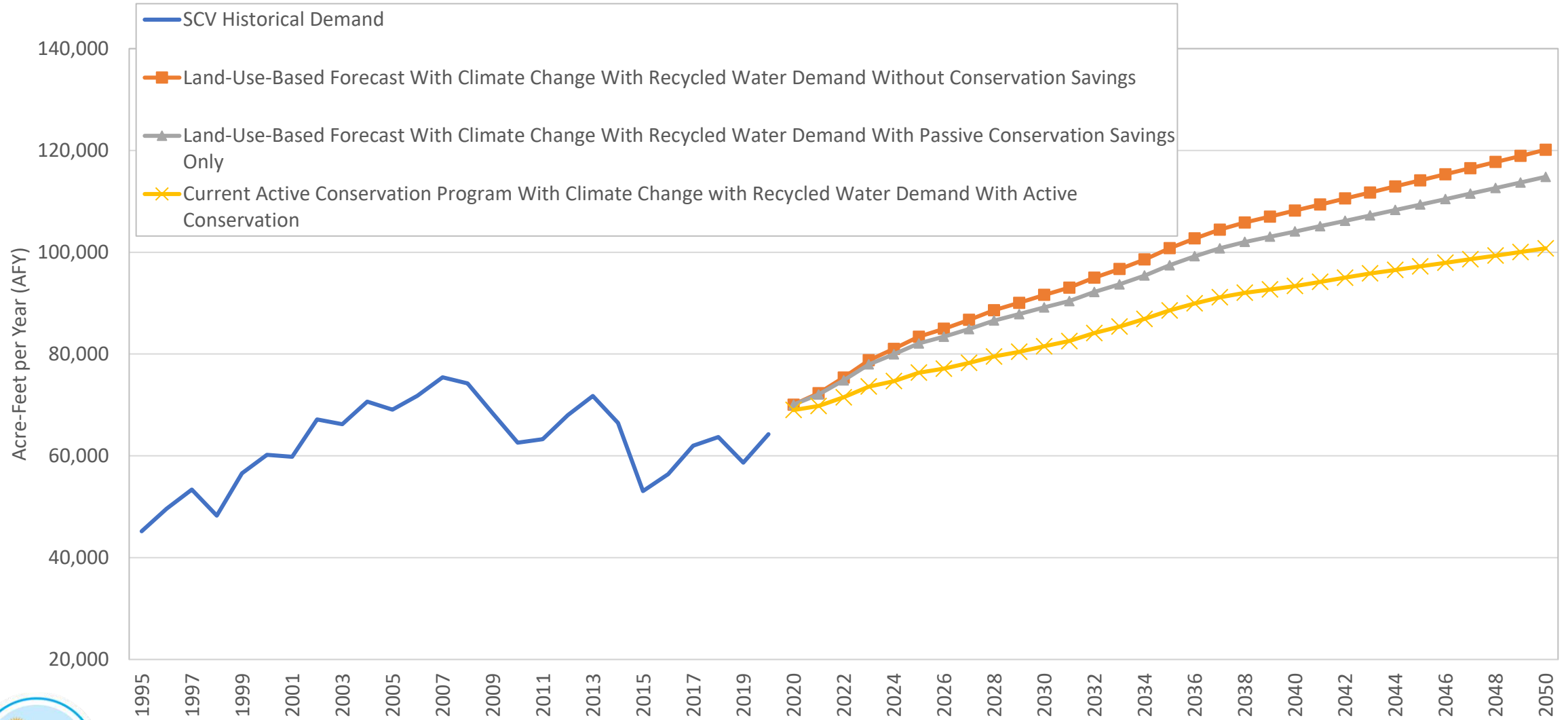
Outdoor
Conservation
Potential



Valleywide Future Population Projections



Valleywide Potable and Recycled Water Demand Forecast Results



Conclusions

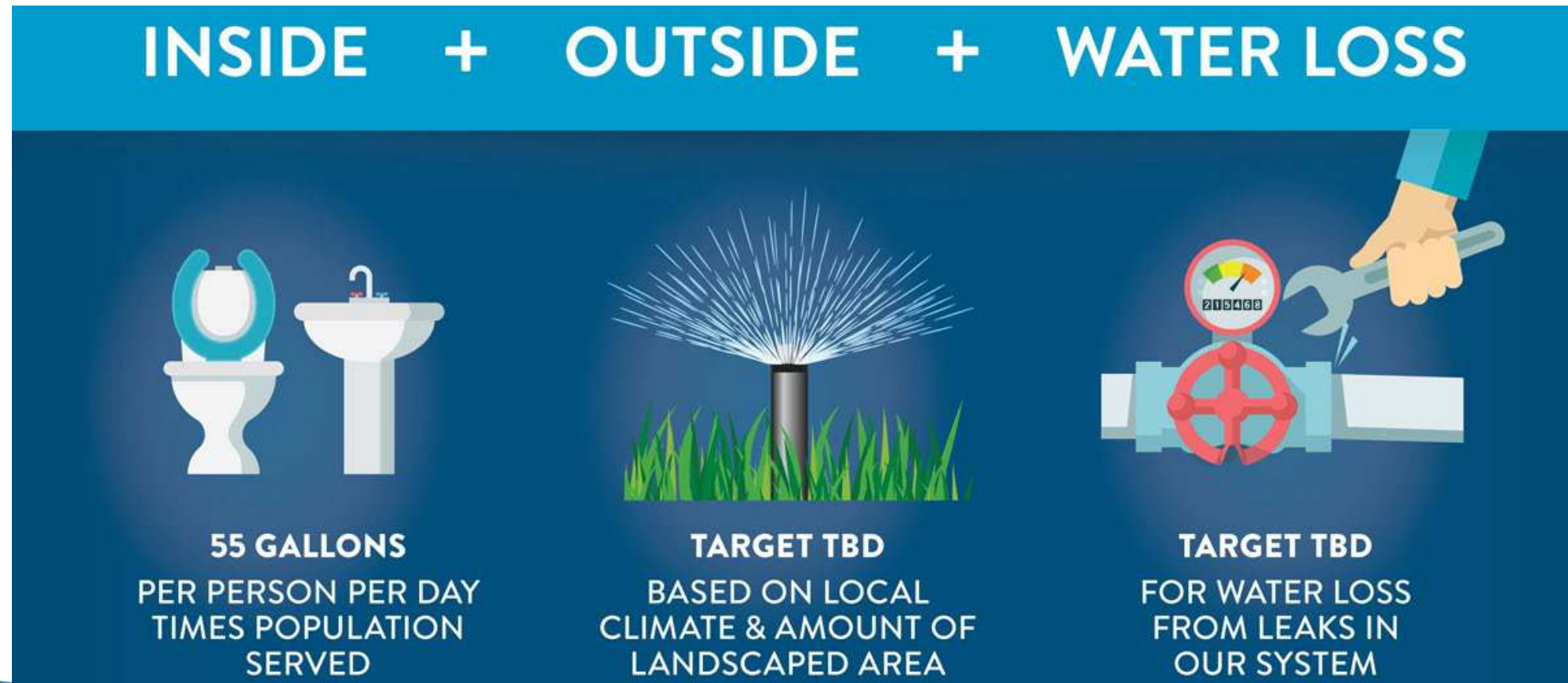
Normal Year Demands increase by about 7% Compared to 2015 UWMP

- Climate Change
 - Drought Rebound
 - Work at home/Auxiliary Dwelling Units
 - Changes in land use types with smaller lot size lower demands
 - Active conservation makes a significant impact
-
- Population growth 40% at buildout (average of 1.37% per year)
 - Water demand going up 32% (on average 1% per year)



State Water Use Legislation

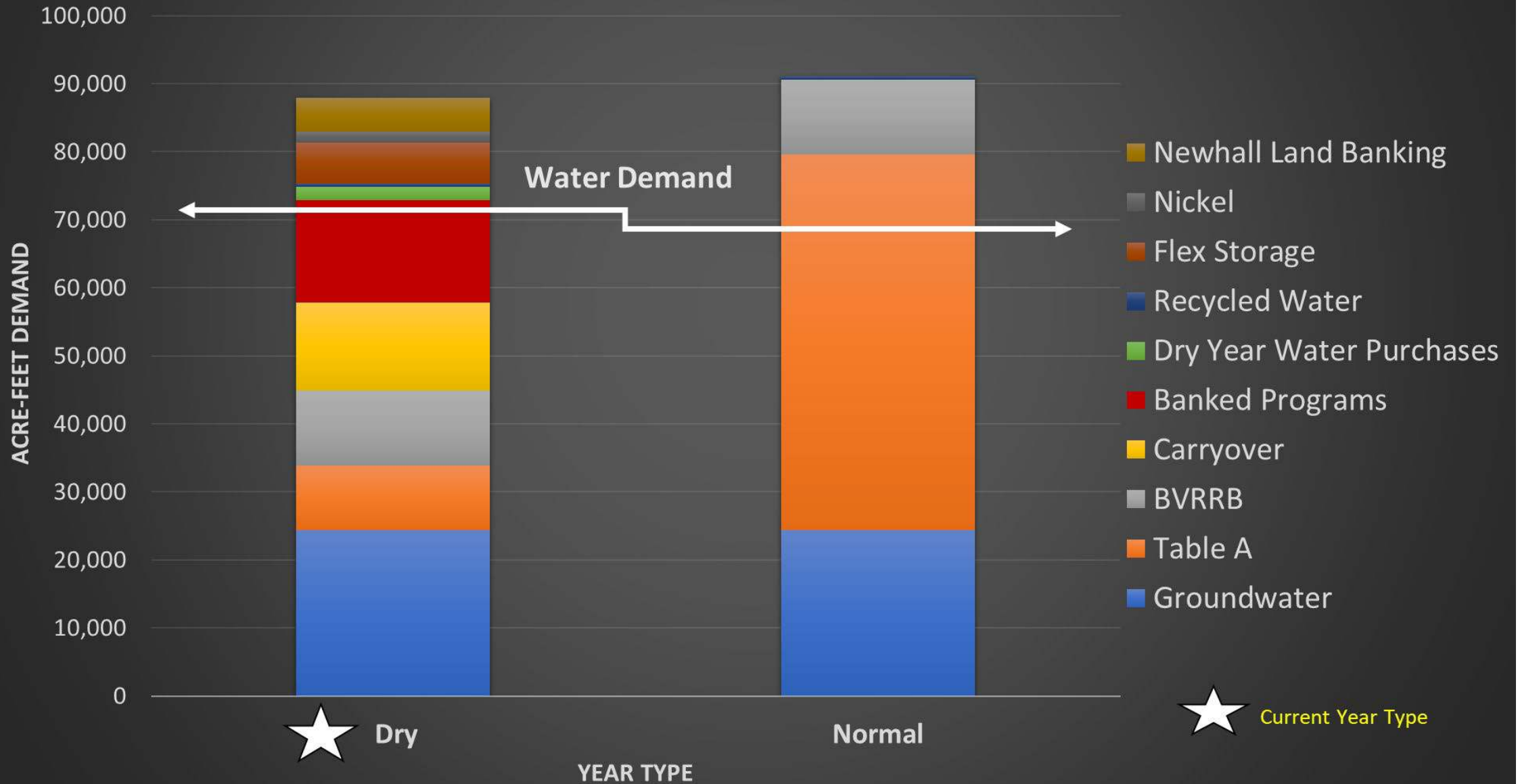
(Senate Bill 606 and Assembly Bill 1668 may impact conservation strategy)



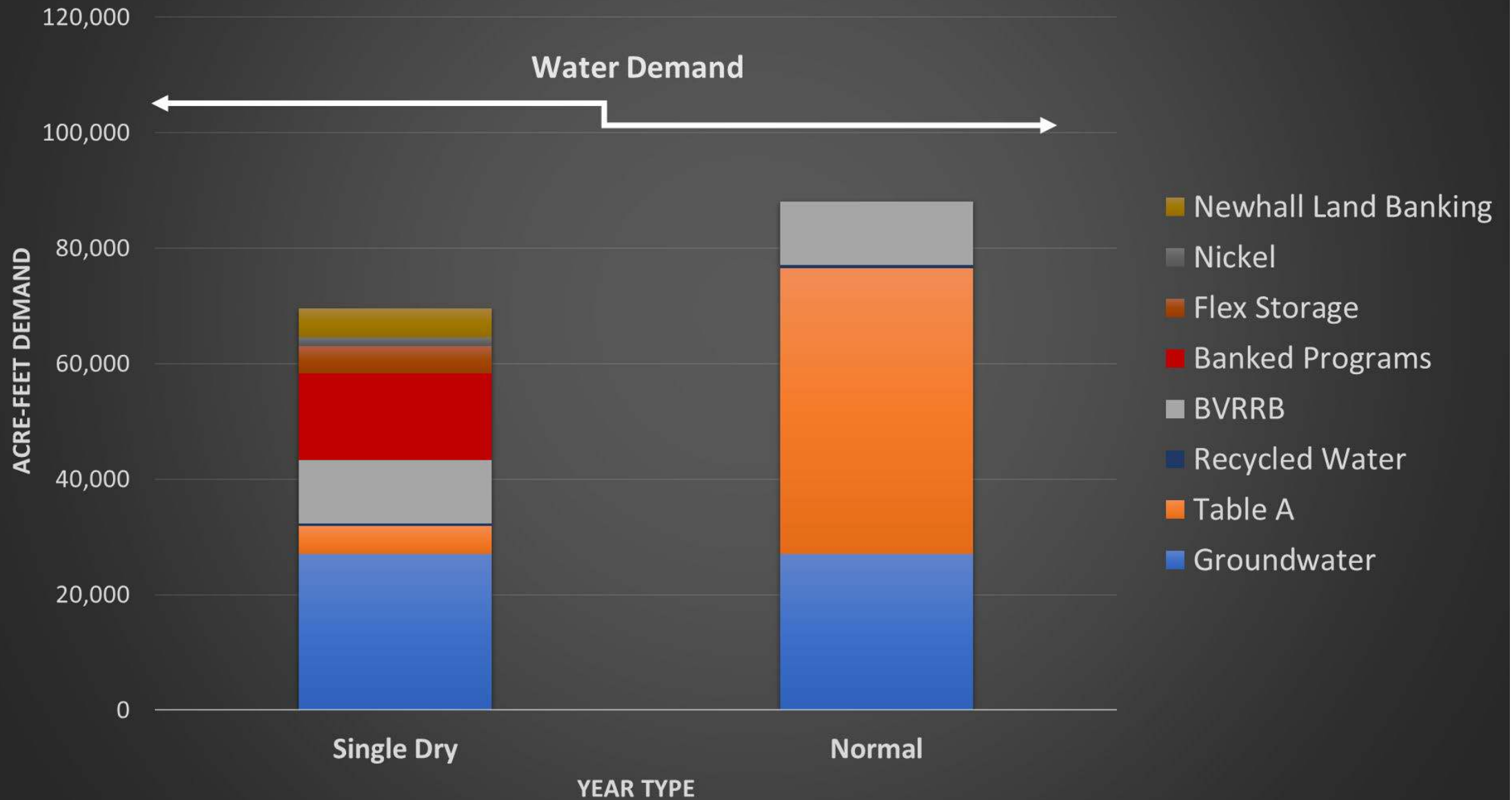


Water Demand –Supply Balance

2021 Operations Water Balance (Dry vs. Normal)



2050 Operations Water Balance (Dry vs. Normal)

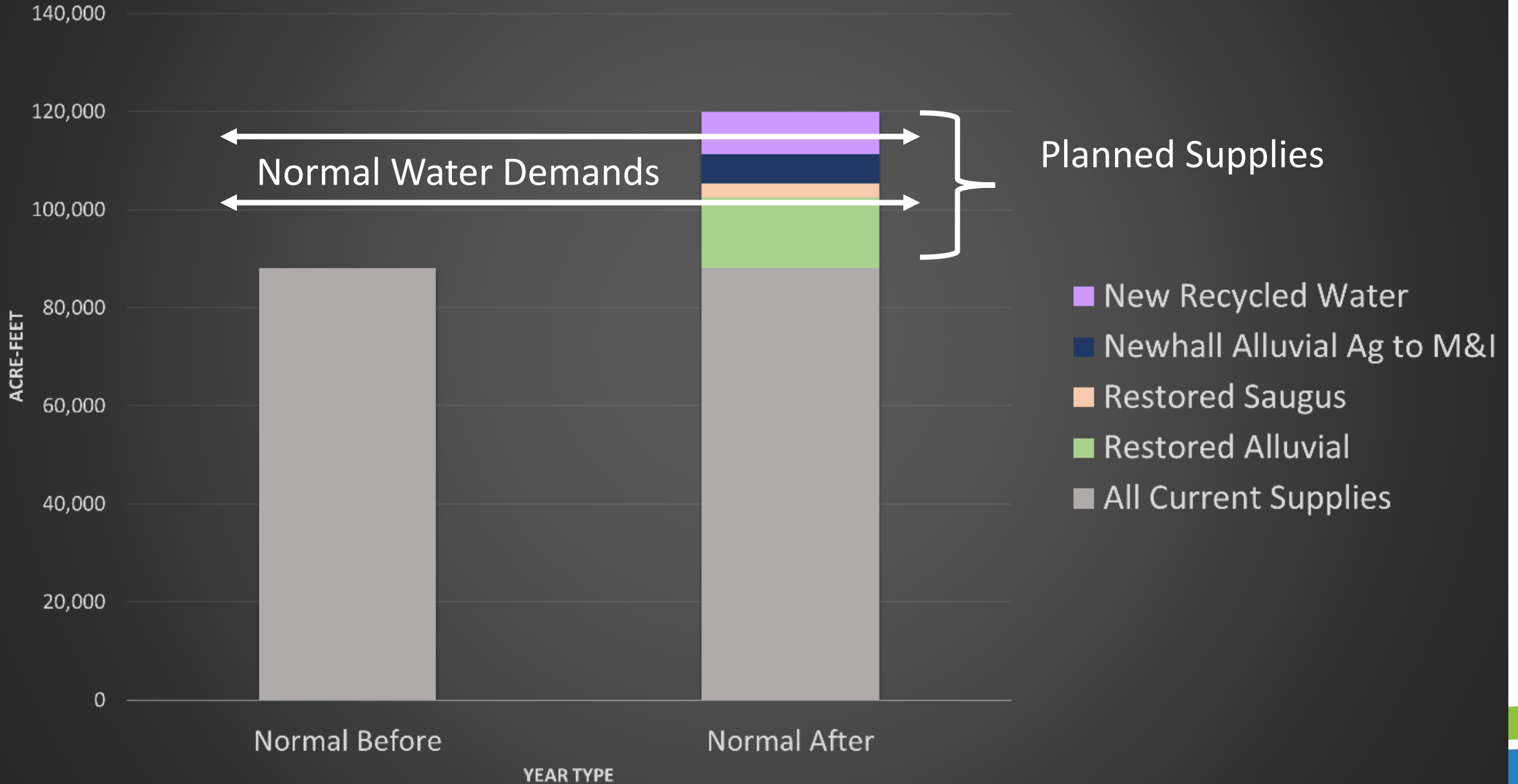


Planned Supplies

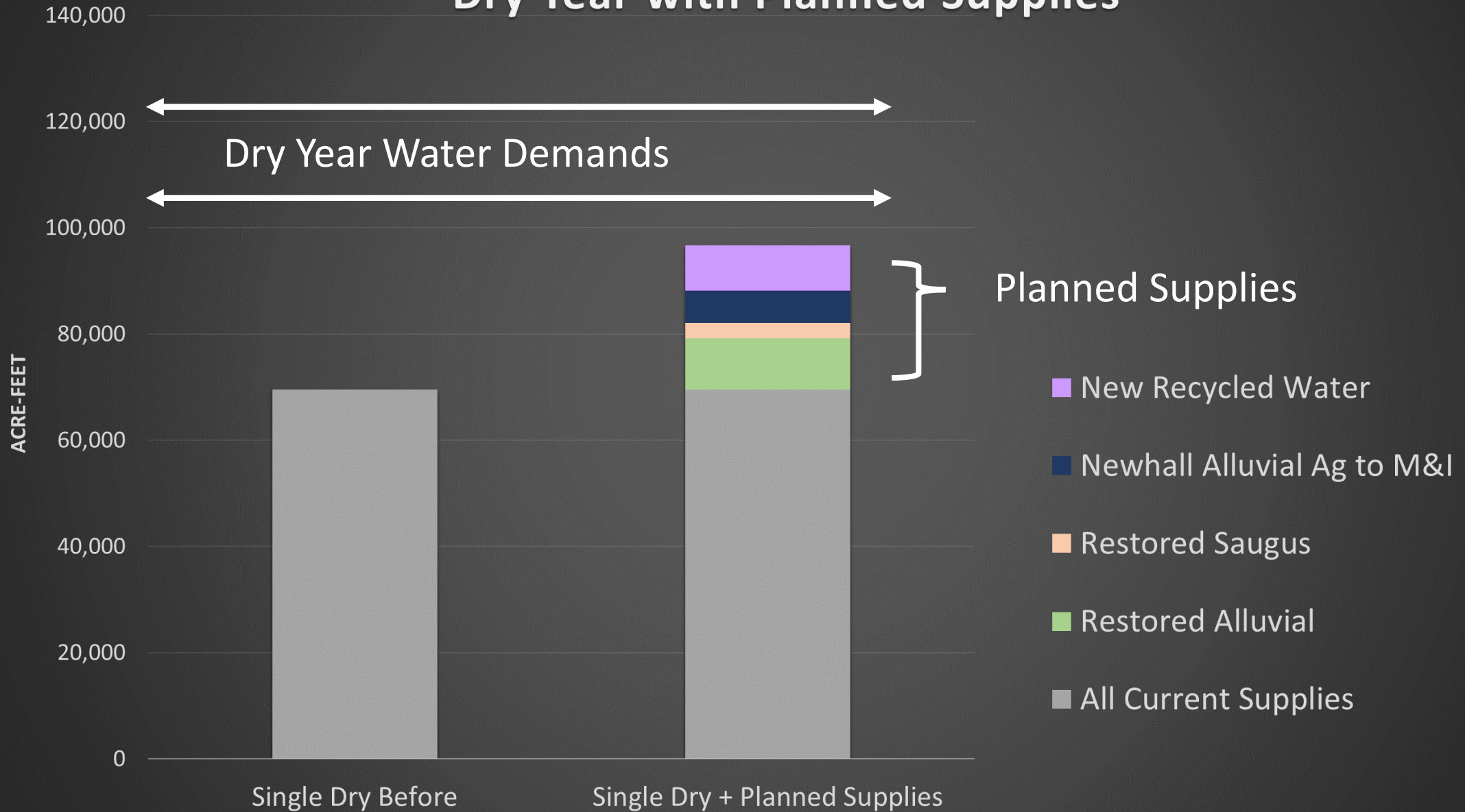
- Local
 - Restored Alluvial Wells
 - Restored Saugus Wells
 - Increased Recycled Water
 - Newhall Land Agriculture Wells change to Municipal Wells



Buildout Water Balance (2050) Normal Year with Planned Supplies



Buildout Water Balance (2050) Dry Year with Planned Supplies



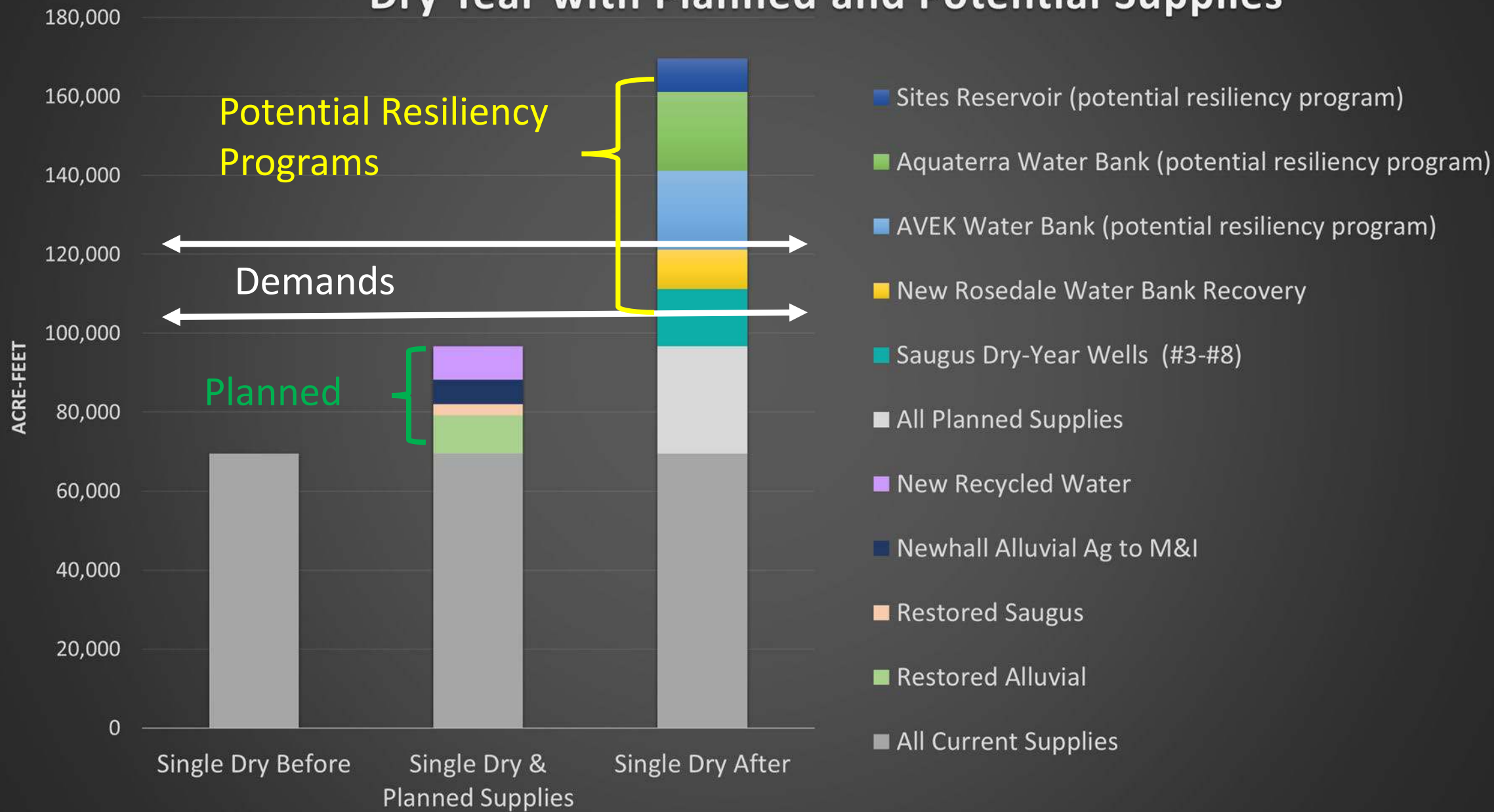
Potential Resiliency Programs

- Local
 - Saugus Dry Year Wells (4 additional Wells)
- Imported
 - New Rosedale Water Bank Recovery
 - AVEK Water Bank
 - Aquaterra Water Bank
 - Sites Reservoir Participant



Buildout Water Balance (2050)

Dry Year with Planned and Potential Supplies



Reliability Analysis

- Analyzes Water Portfolio reacts through time
- Starting Model Runs
- Substitute Alt. Programs
- Presenting at the 3rd Workshop





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Questions?

