



Oral Report on Water Surplus and Drought Management

Water Planning and Stewardship Committee
Item 6b
March 7, 2016

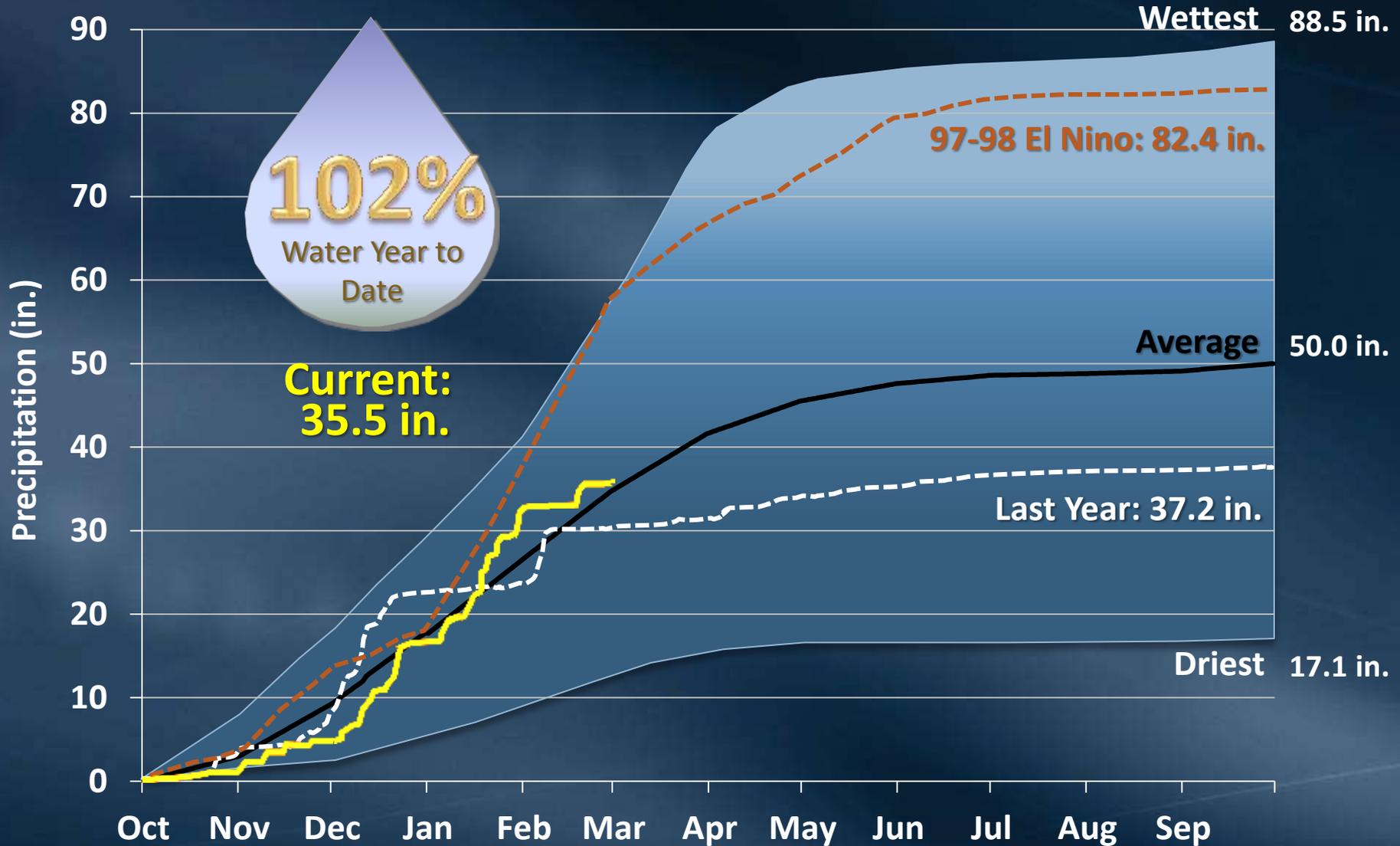
Overview

- Hydrologic Conditions
- State Water Project Allocation
- 2016 Water Supply Demand Balances
- Demand Tracking

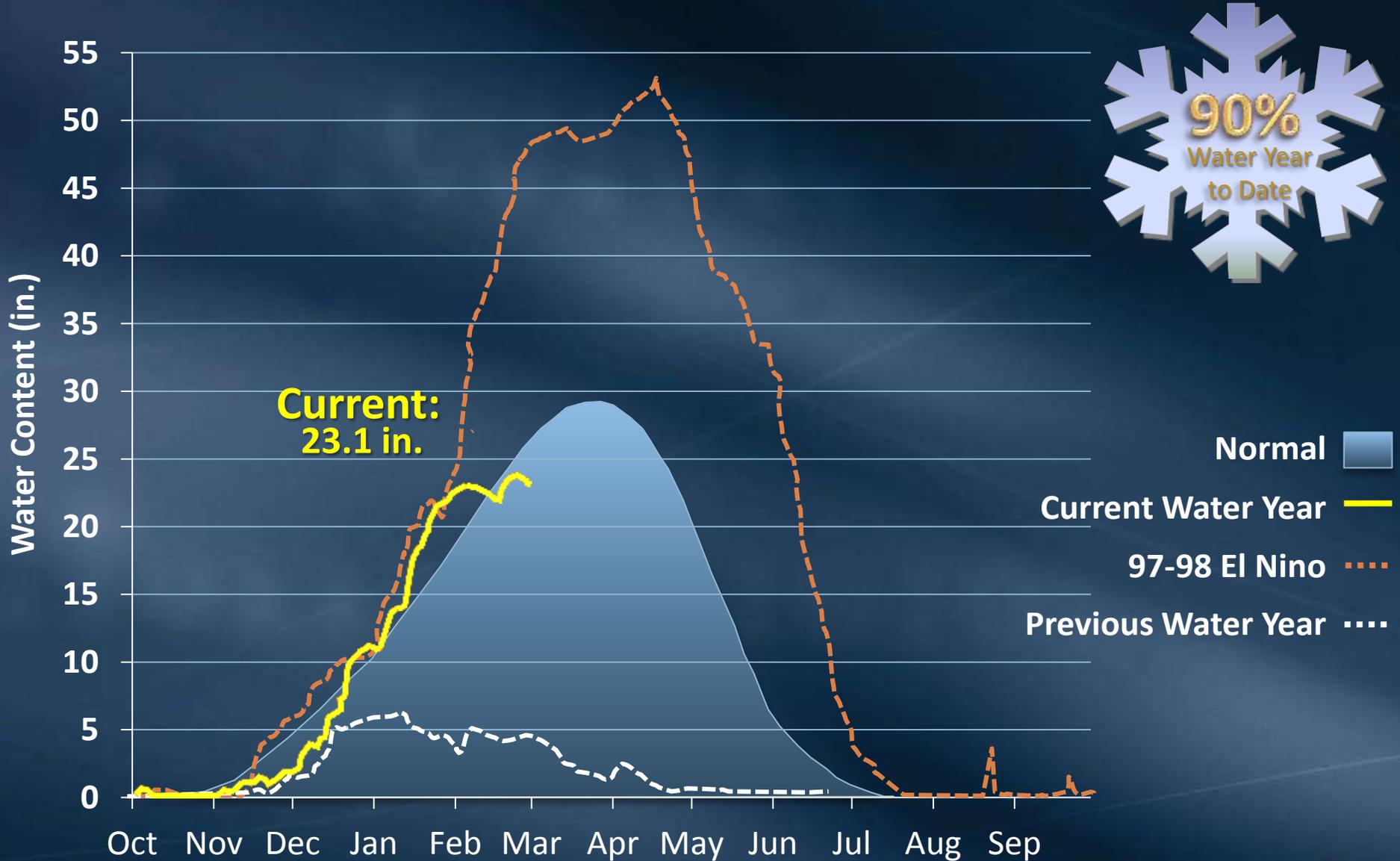
Hydrologic Conditions

Northern Sierra Precipitation – Cumulative

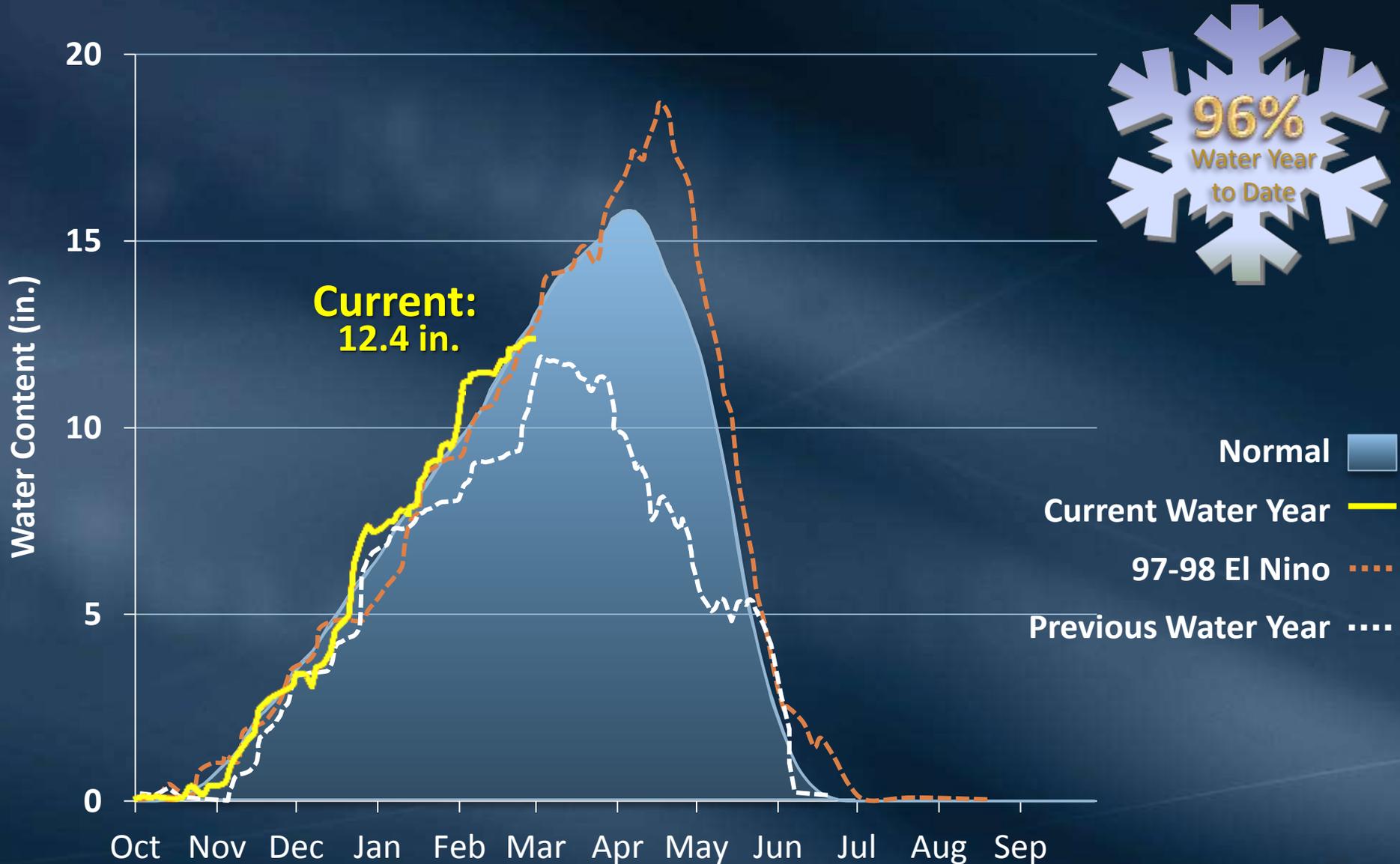
8 - Station



Northern Sierra Snowpack

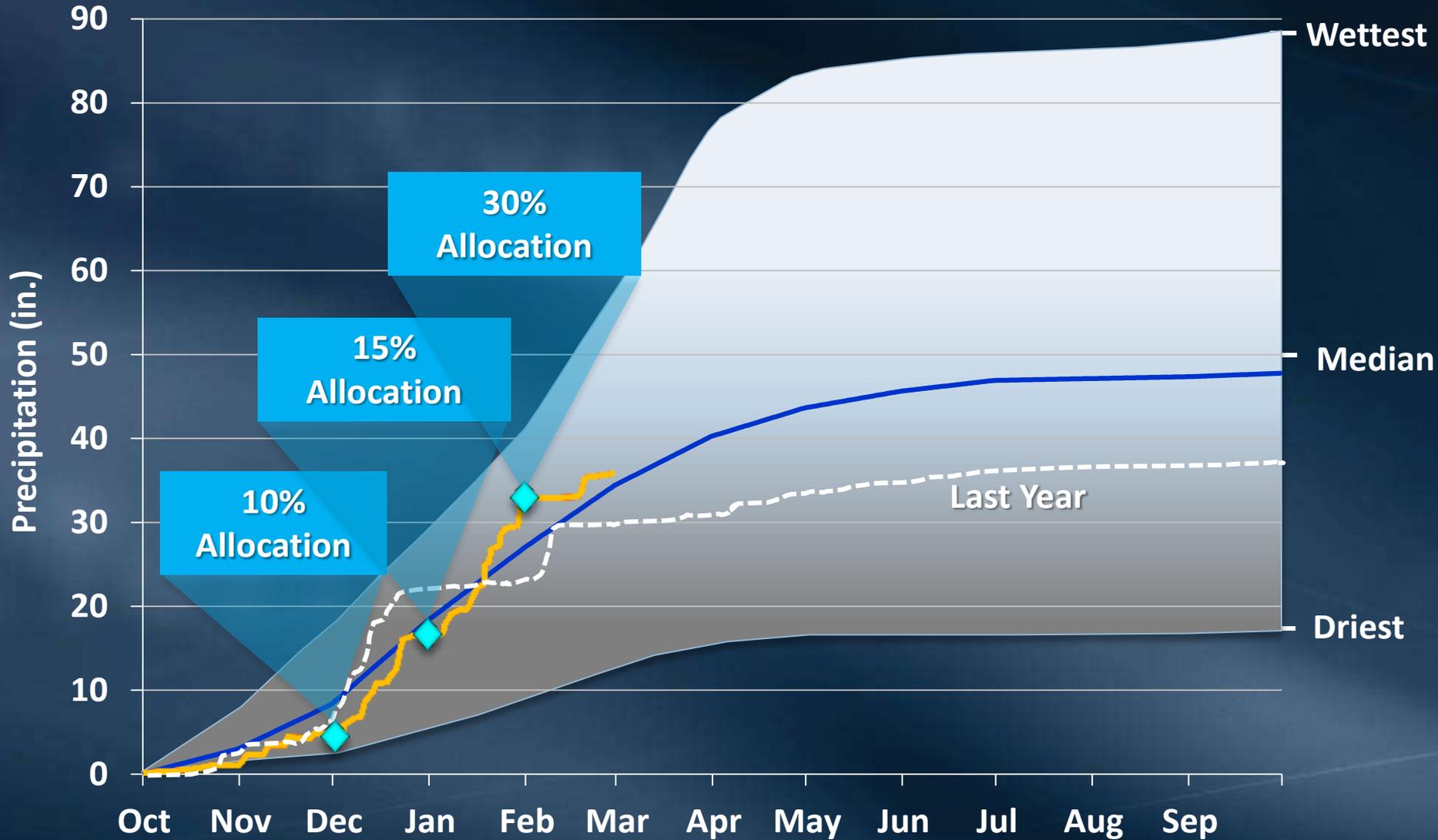


Upper Colorado River Basin Snowpack



2016 State Water Project Allocation

Northern Sierra Precipitation - Projected



DWR Allocation Study (Feb 22nd)

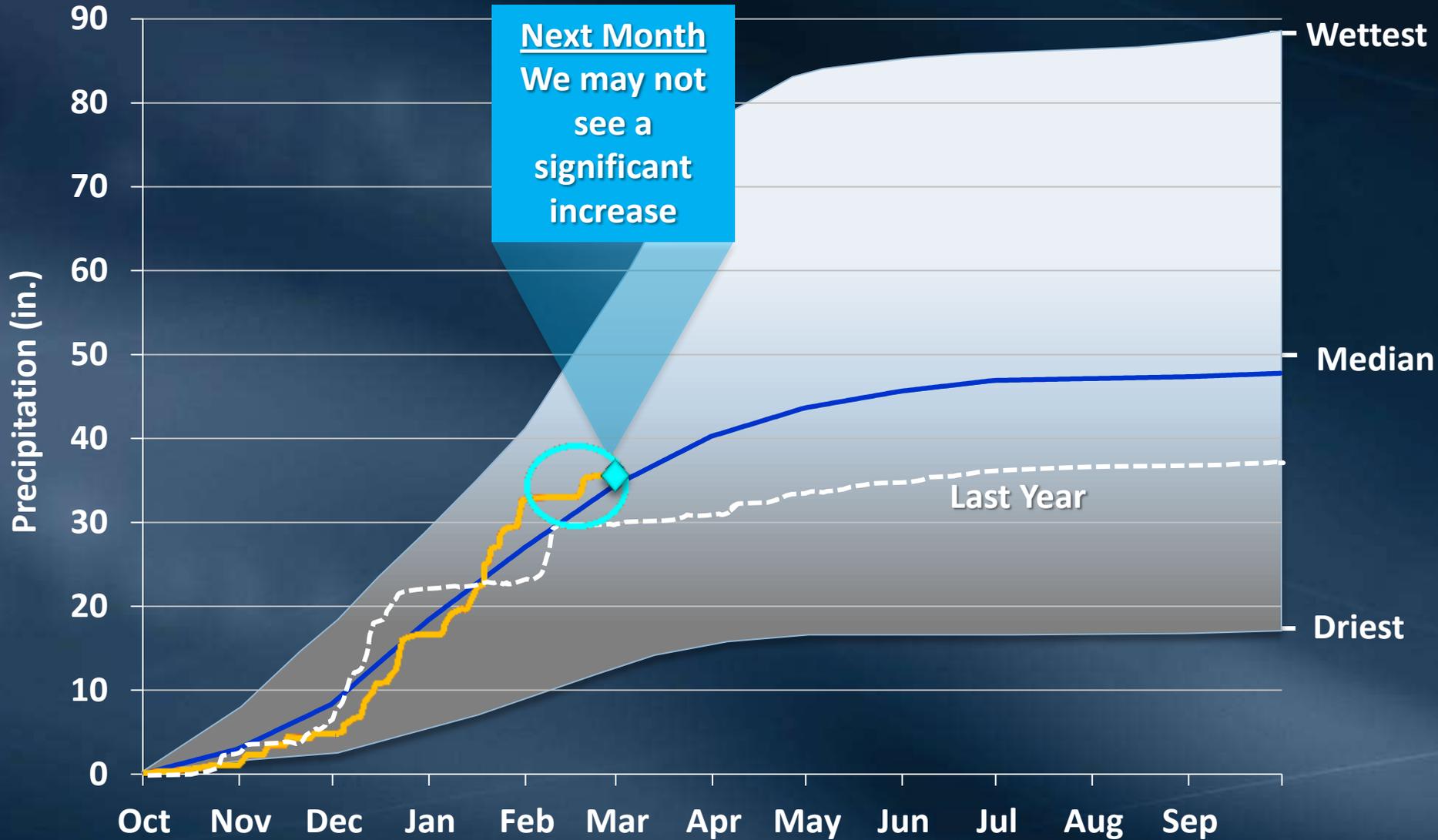
FISHERY RESTRICTIONS

BAY DELTA
Standards

HYDROLOGY

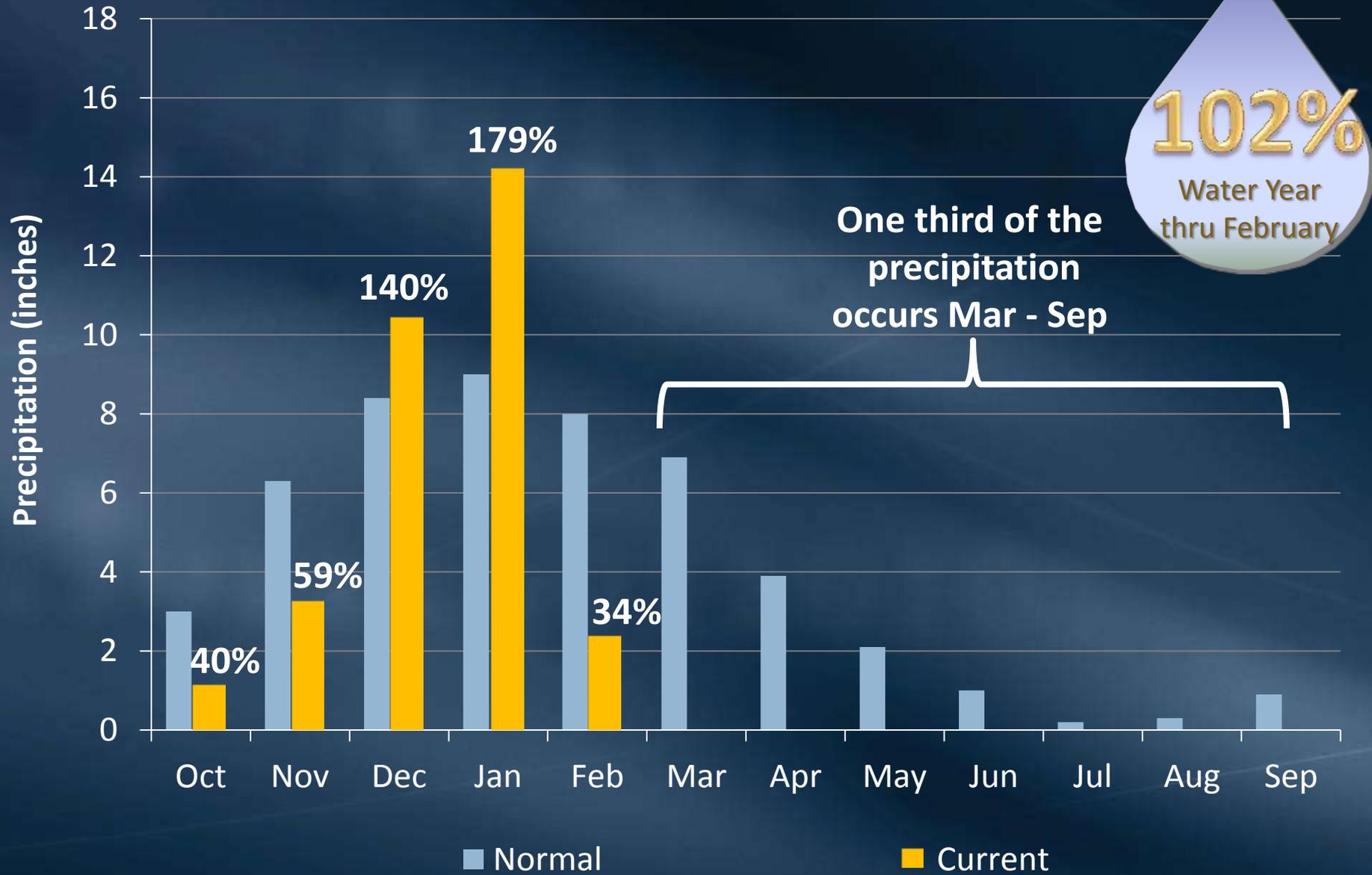
	Least	Mod	Most	D-1641
Dry 90% Exceedence	34%	31%	31%	44%
Median 50% Exceedence	57%	51%	49%	77%
Wet 25% Exceedence		54%		

Northern Sierra Precipitation - Projected

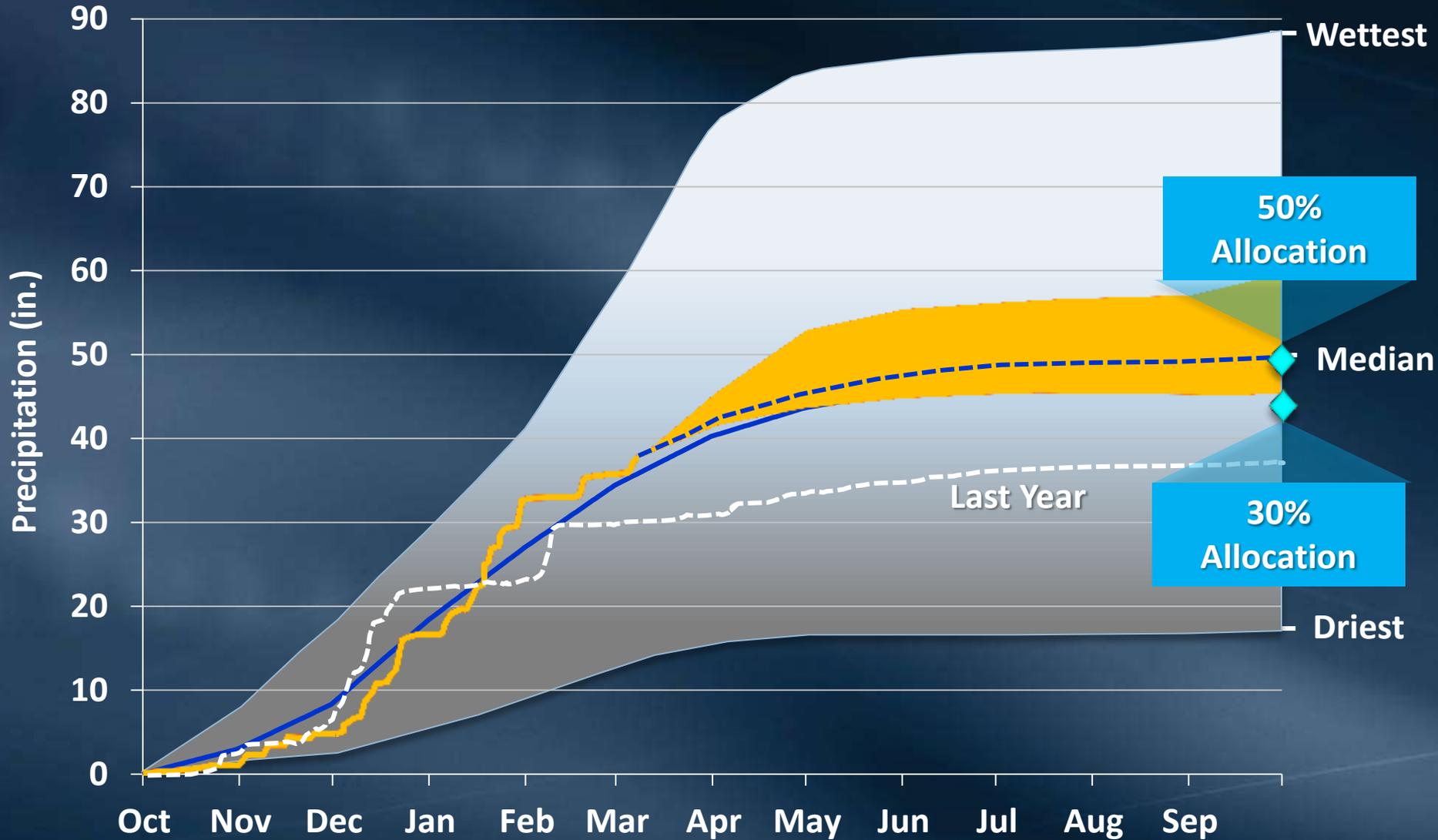


Northern Sierra Precipitation – Monthly

8 - Station



Northern Sierra Precipitation - Projected



2016 Water Supply Demand Balances

2016 Supply Demand Balances

(MAF)



Benefits of Demand Management Programs

(Data from FY 2014/15 SB60 Report)



2016 Supply Demand Balances

(MAF)



2016 Supply Demand Balances

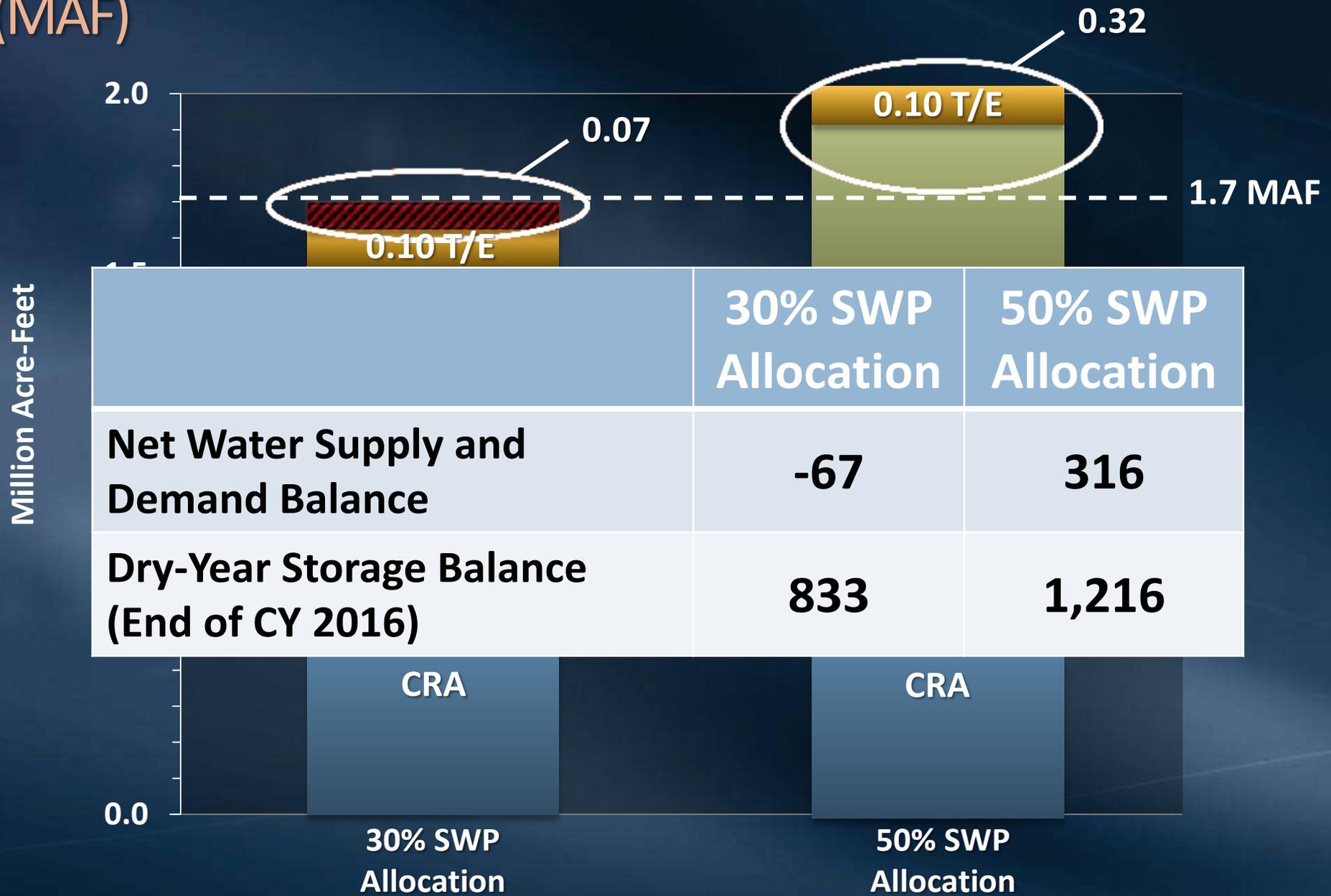
2.6 MAF

(MAF)



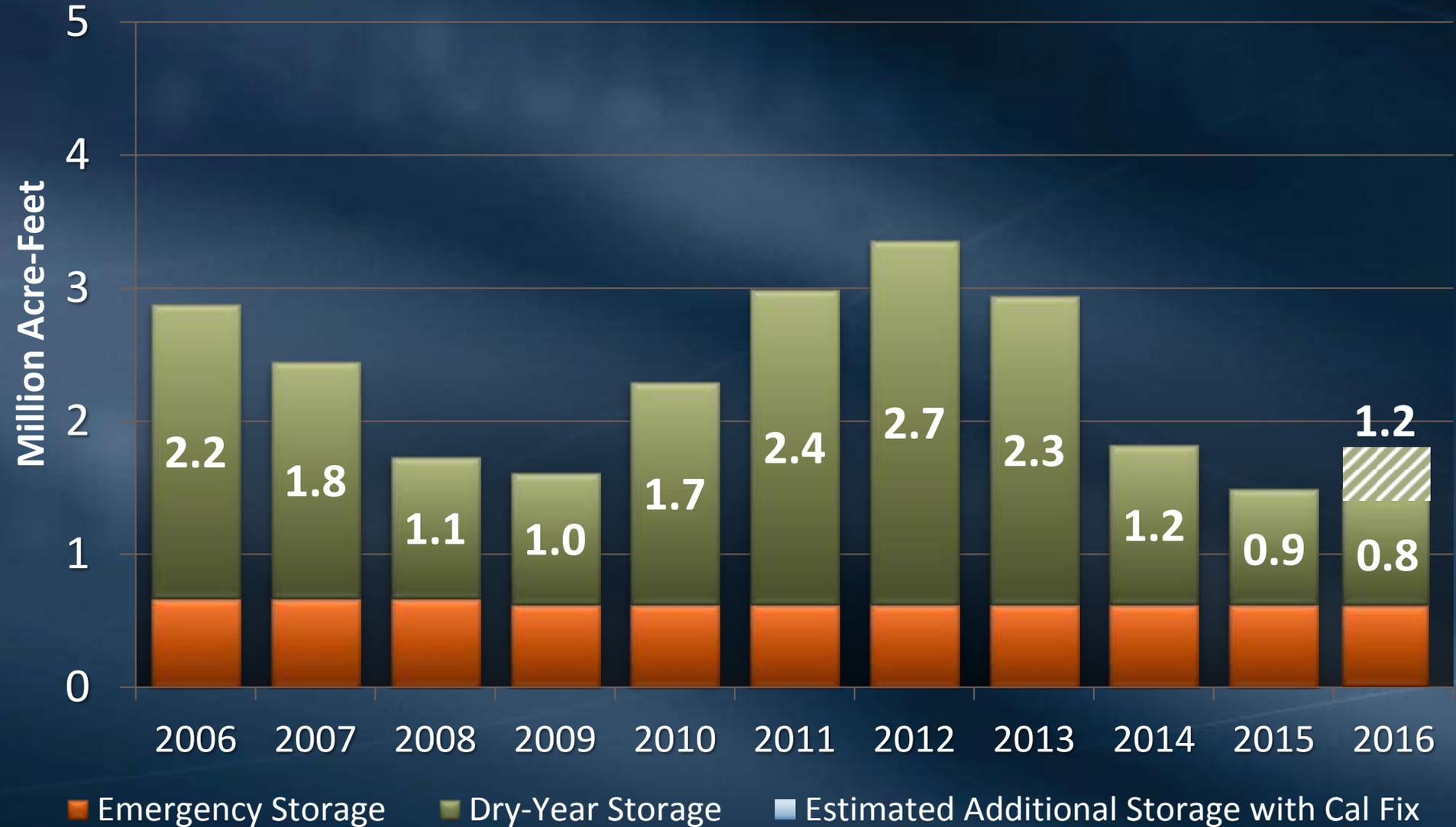
2016 Supply Demand Balances

(MAF)



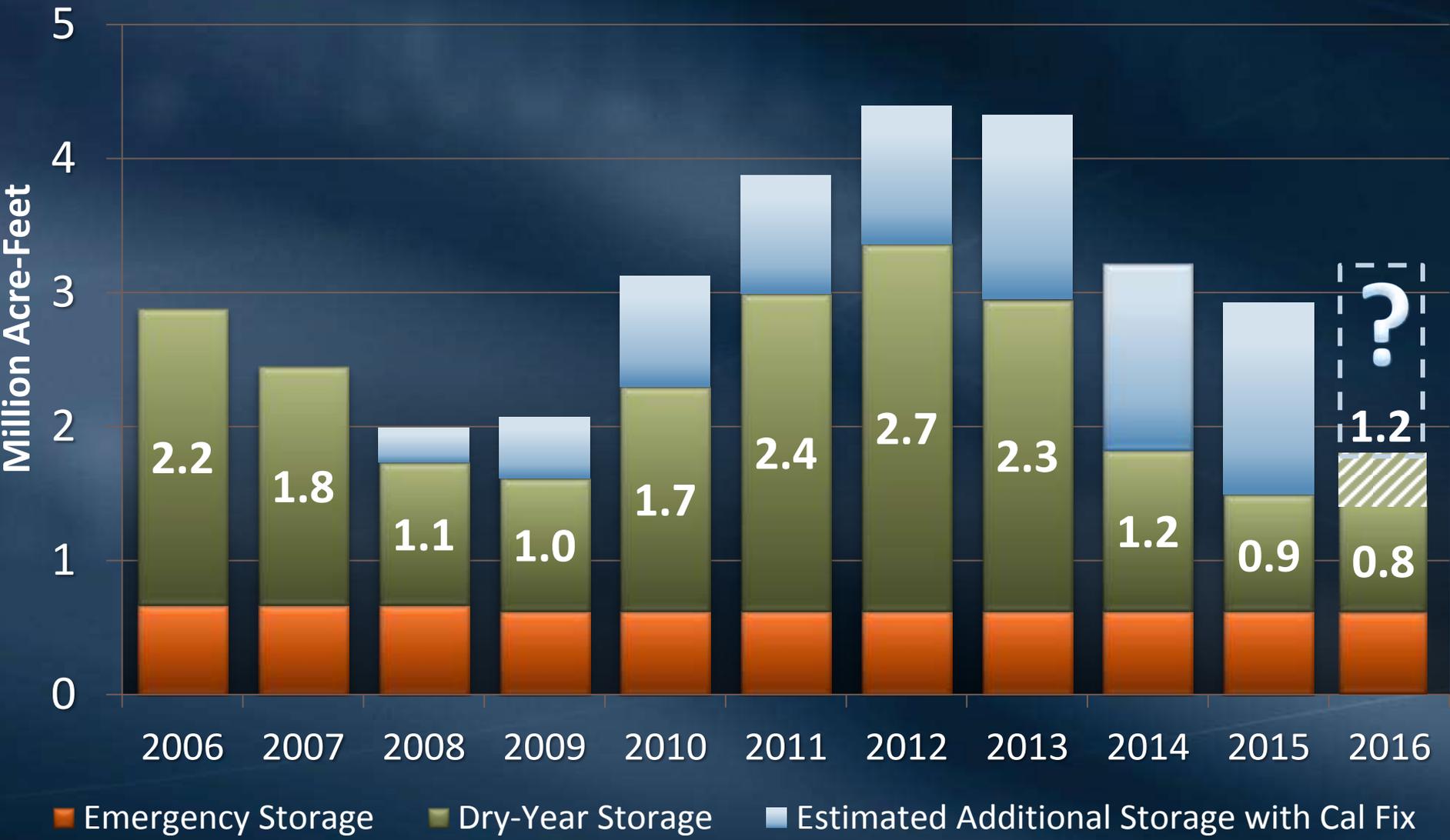
Metropolitan Storage Reserves

End of Year Balances



Regional Storage Reserves Could be Higher with CA Water Fix

End of Year Balances



Key WSAP Considerations

- Supporting the Governor's emergency water conservation regulations
- Avoiding use of Emergency storage
- Managing storage for the following years
- Avoiding steep increases in WSAP levels in future years, if dry conditions persist
- Allowing for uncertainties

Supply and Demand Uncertainties

- Agricultural Adjustment (+/- 100 TAF)
 - Dependent on hydrologic conditions
 - Better known as the year progresses
- Transfer and Exchanges (+/- 100 TAF)
 - Low Lake Mead Storage levels may preclude development of additional supplies for CRA
 - Capacity to export supplies from Delta decreases as SWP allocation increases

Supply and Demand Uncertainties (Cont'd)

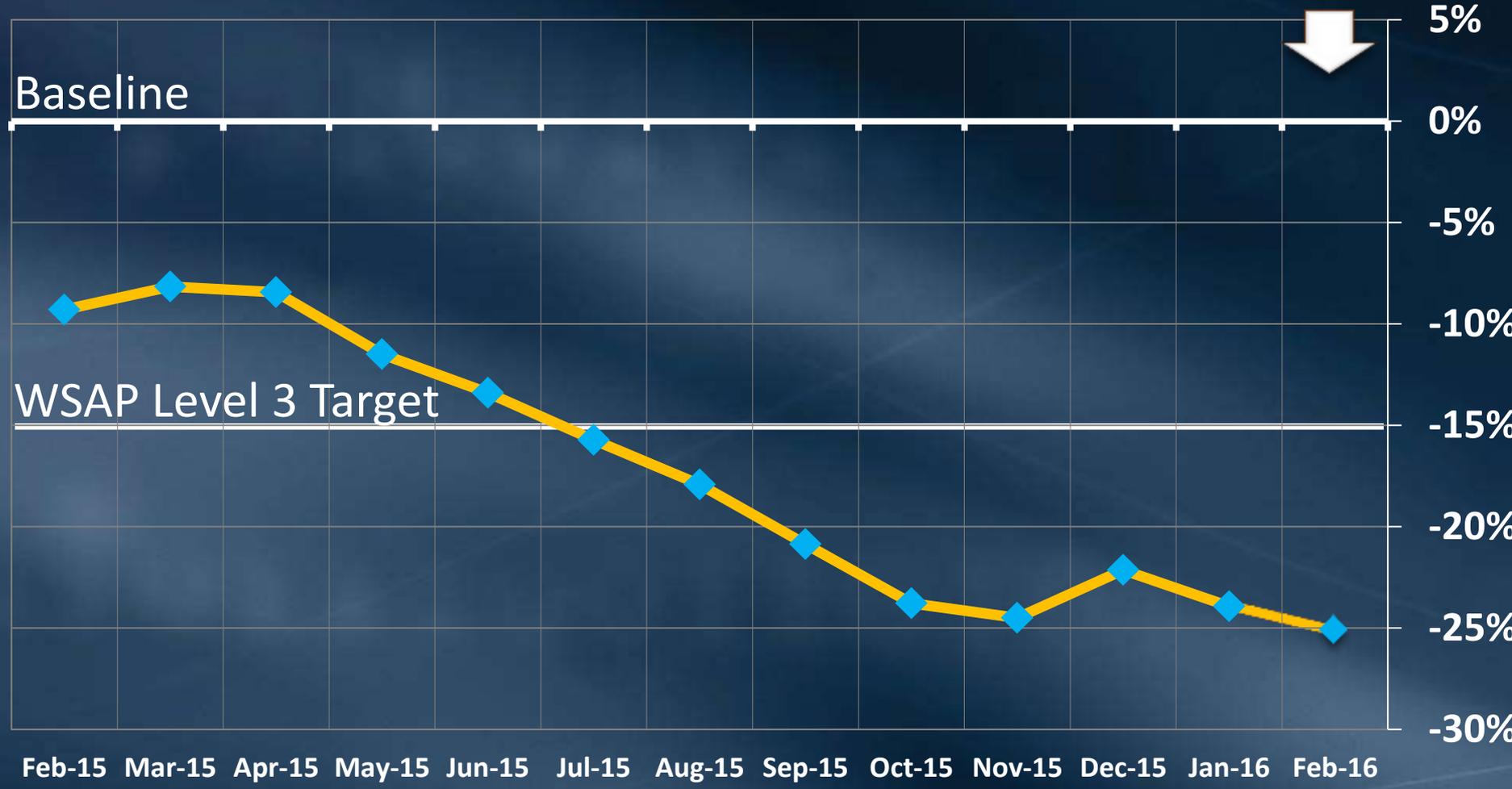
- Member Agency Demands (+/- 100 TAF)
 - LA Aqueduct supplies dependent on southern Sierra hydrologic conditions
 - WSAP decision
- Access to Storage
 - ICS storage dependent on Lake Mead levels
 - Many state storage programs dependent on SWP allocation

Demand Tracking

Historical 12 Month Delivery vs. Estimated WSAP Level 3

All Member Agencies

Current Period
Mar-15 to Feb-16



End of 12-Month Period

Next Steps

- Continue to monitor developing hydrologic conditions
- Continue to evaluate uncertainties
- Provide WSAP recommendation in April

