



Water Supply Conditions

Southern California Water Dialogue Group
March 25, 2015

Overview

- Current Water Supply Conditions
 - Hydrology update
 - Timing of runoff and exports
- Water Management Scenarios
 - Assumptions update
 - Estimated water supply allocation levels
 - Including 2016 outlook

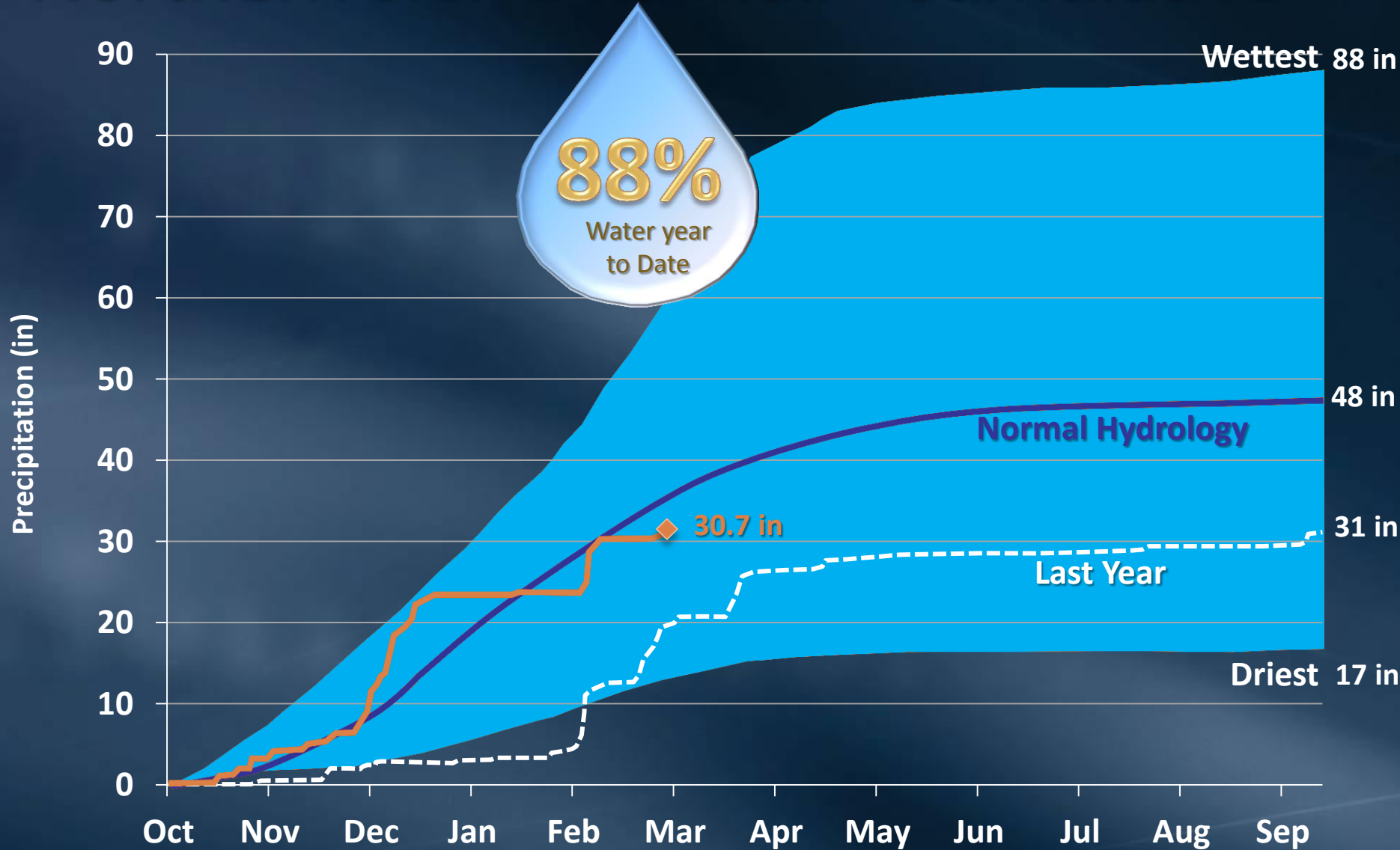
Hydrologic Conditions

Runoff is Key to Water Supply



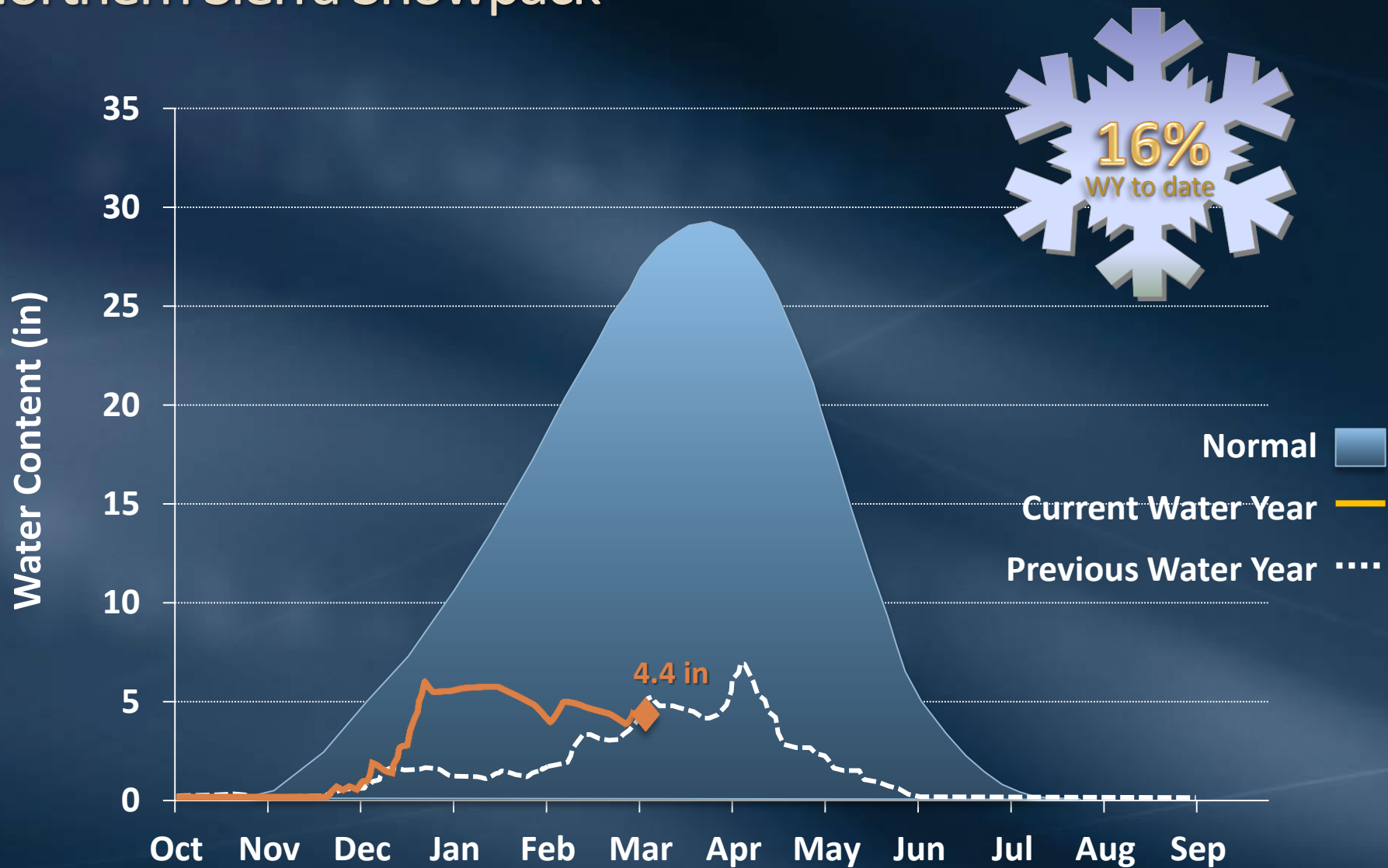
WATERSHED

Northern Sierra Rainfall - Cumulative



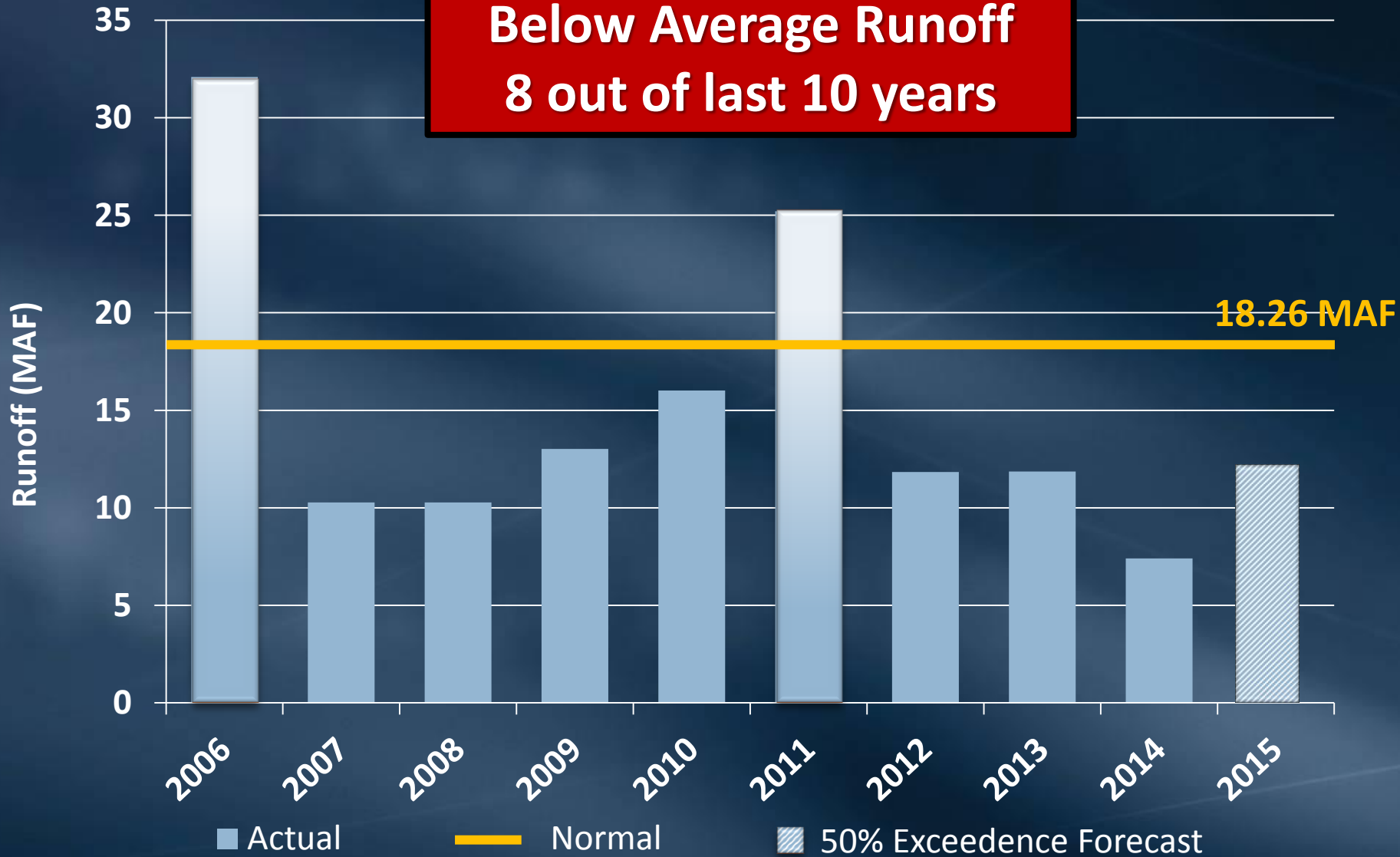
State Water Project Hydrologic Conditions

Northern Sierra Snowpack



Northern California Runoff

**Below Average Runoff
8 out of last 10 years**

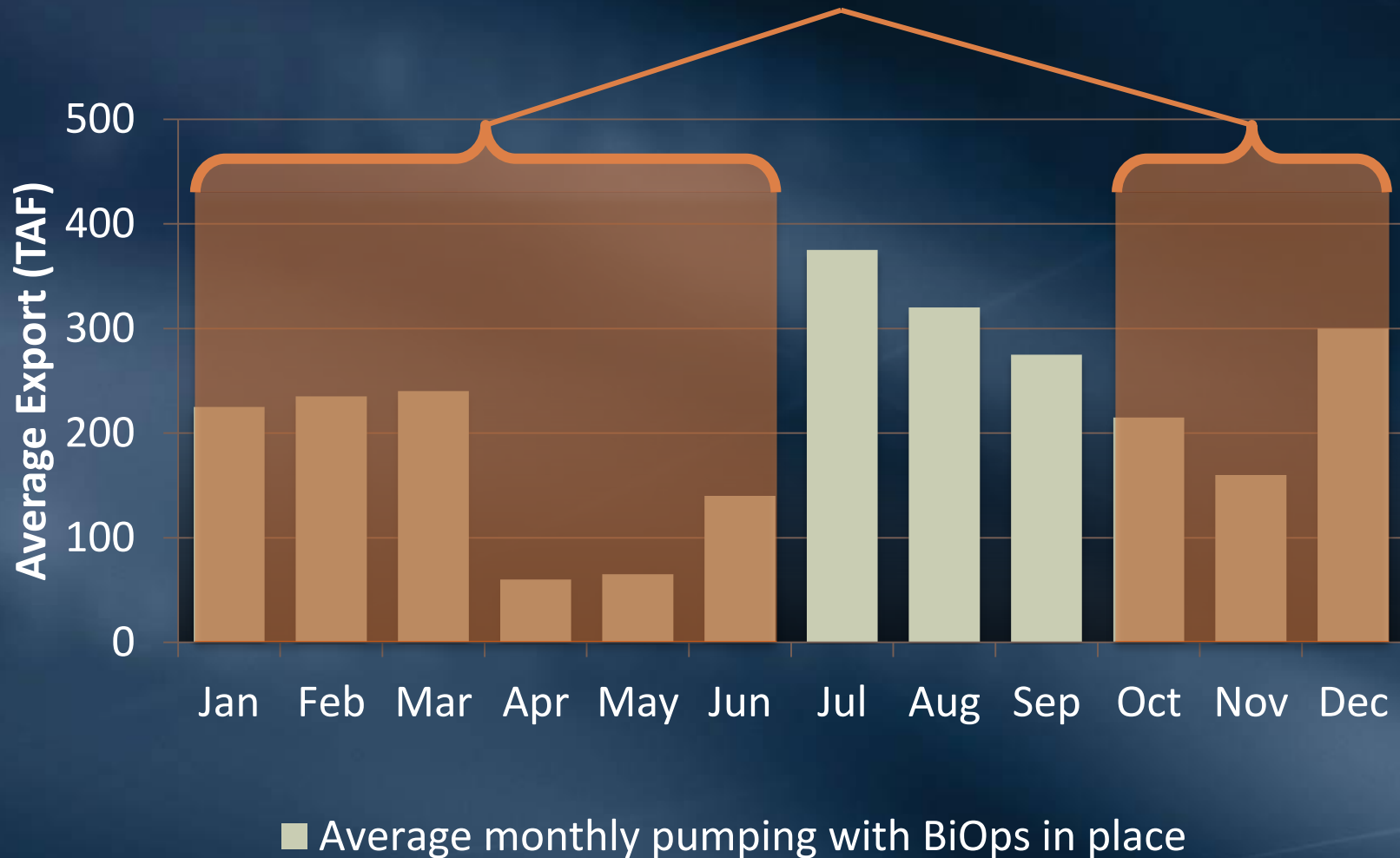


Timing of Runoff is Key to Exports



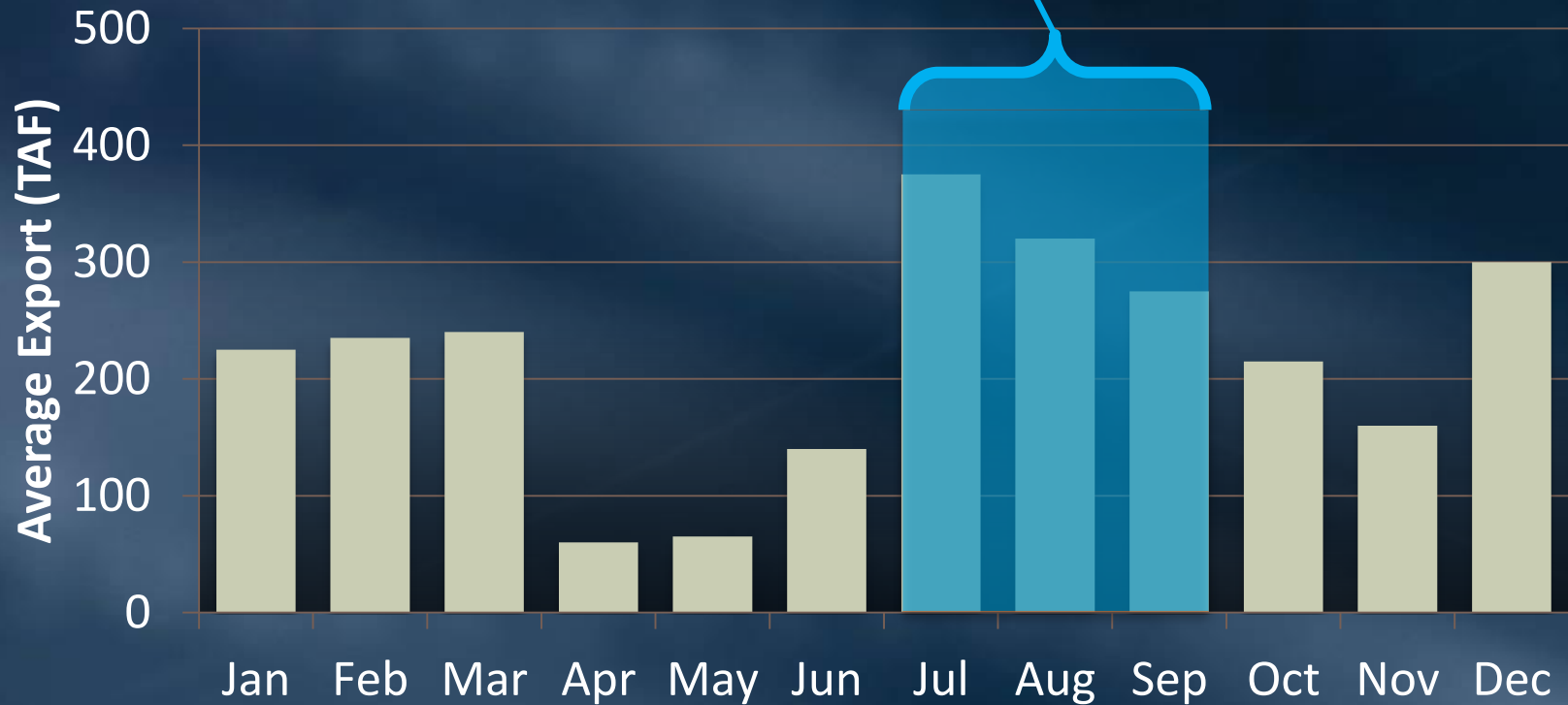
Export Opportunities with BiOps

More Restrictive in Shoulder Months



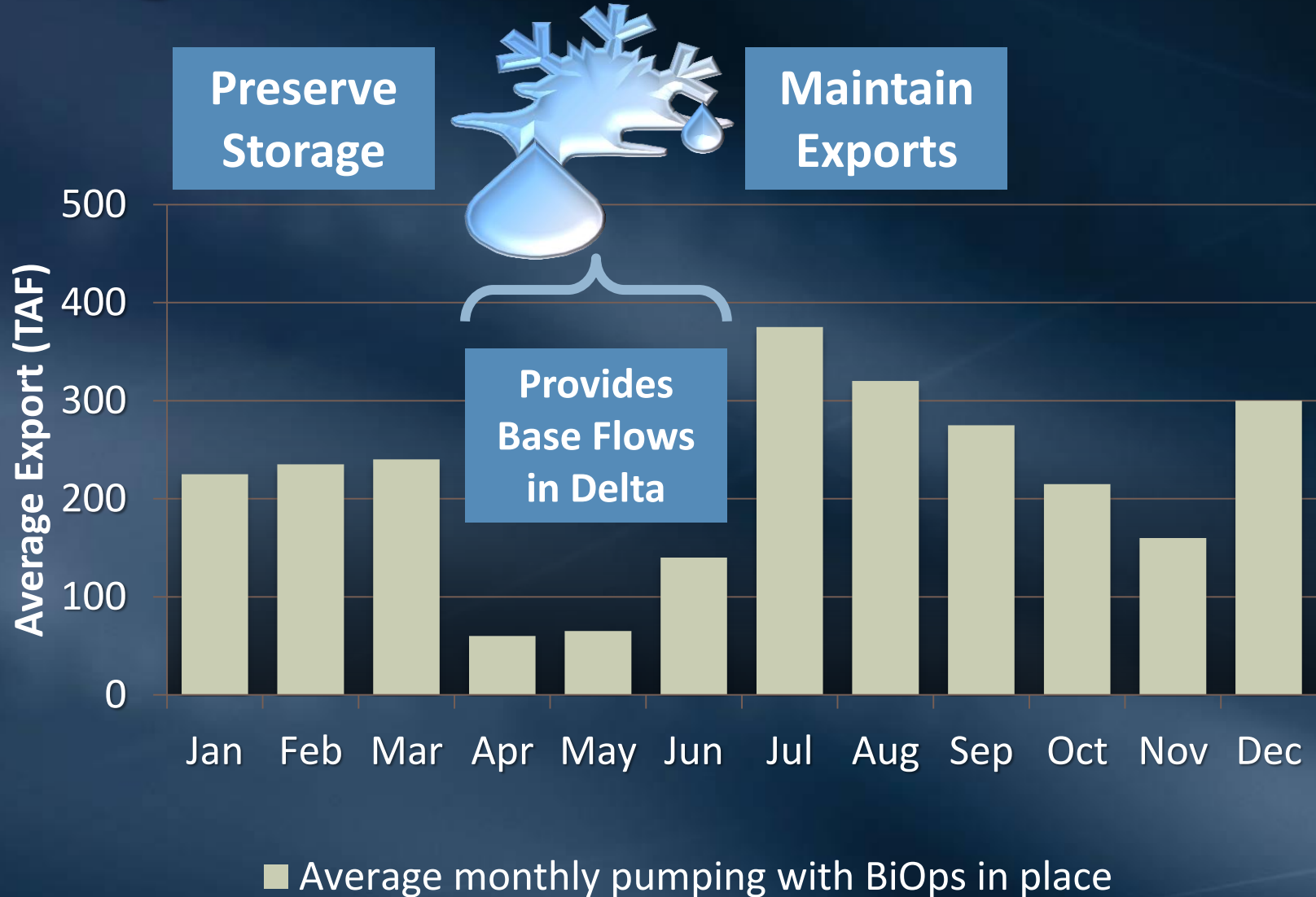
Export Opportunities with BiOps

Less Restrictive During Summer

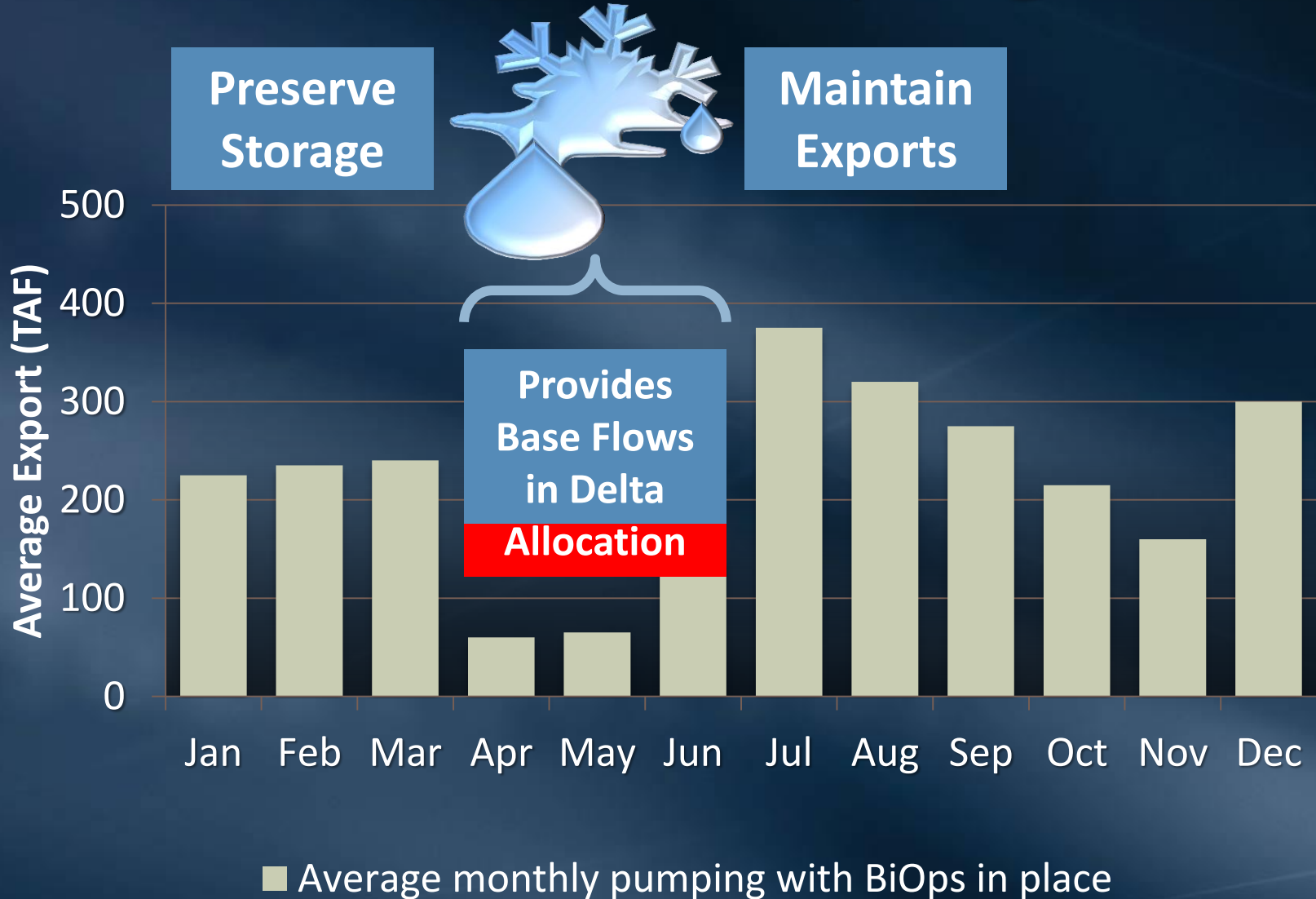


■ Average monthly pumping with BiOps in place

Spring Runoff Helps Meet Standards

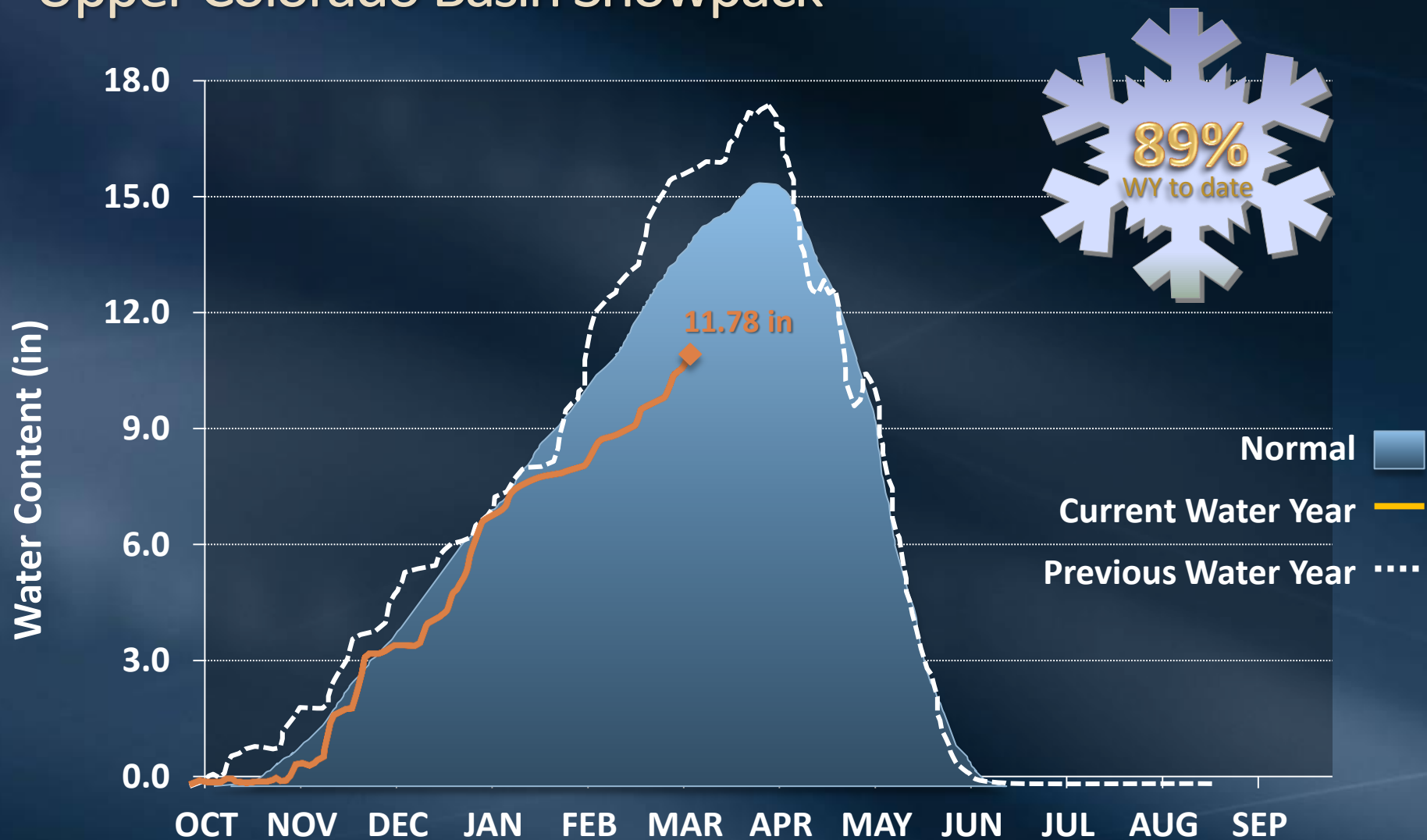


DWR Concerned with Spring Runoff



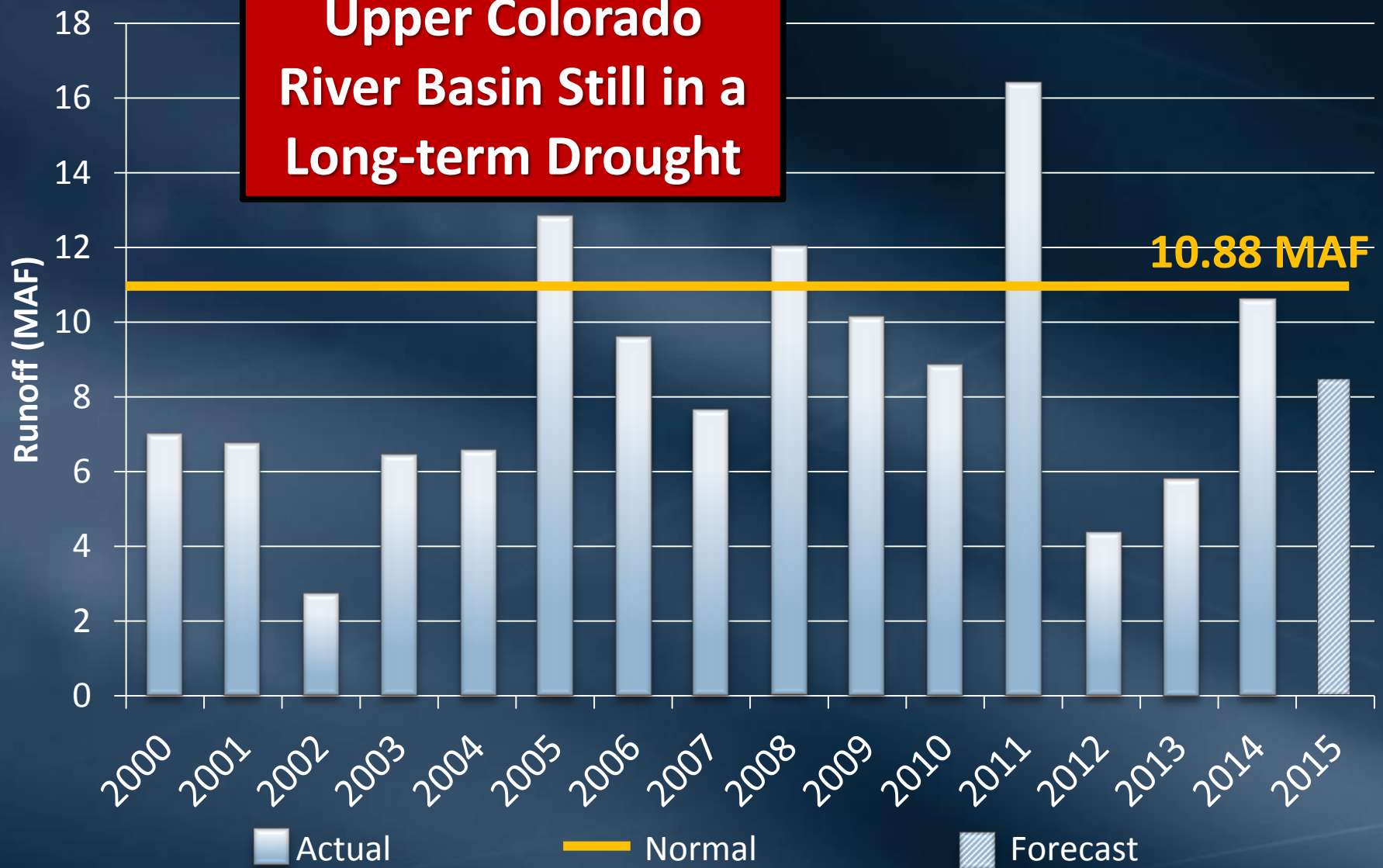
Colorado River Hydrologic Conditions

Upper Colorado Basin Snowpack



Upper Colorado River Basin Runoff

**Upper Colorado
River Basin Still in a
Long-term Drought**



Water Management Scenarios

DWR Assumptions

- Current Contract Supply (March 2nd)
 - 20% SWP Allocation
- Operations Study Update (February 23rd)
 - Projected Dry Condition
 - 25% SWP Allocation
 - Projected Median Condition
 - 35% SWP Allocation

Overall Range
20-65%

SWP Estimated Supplies at a 25 - 35% Allocation



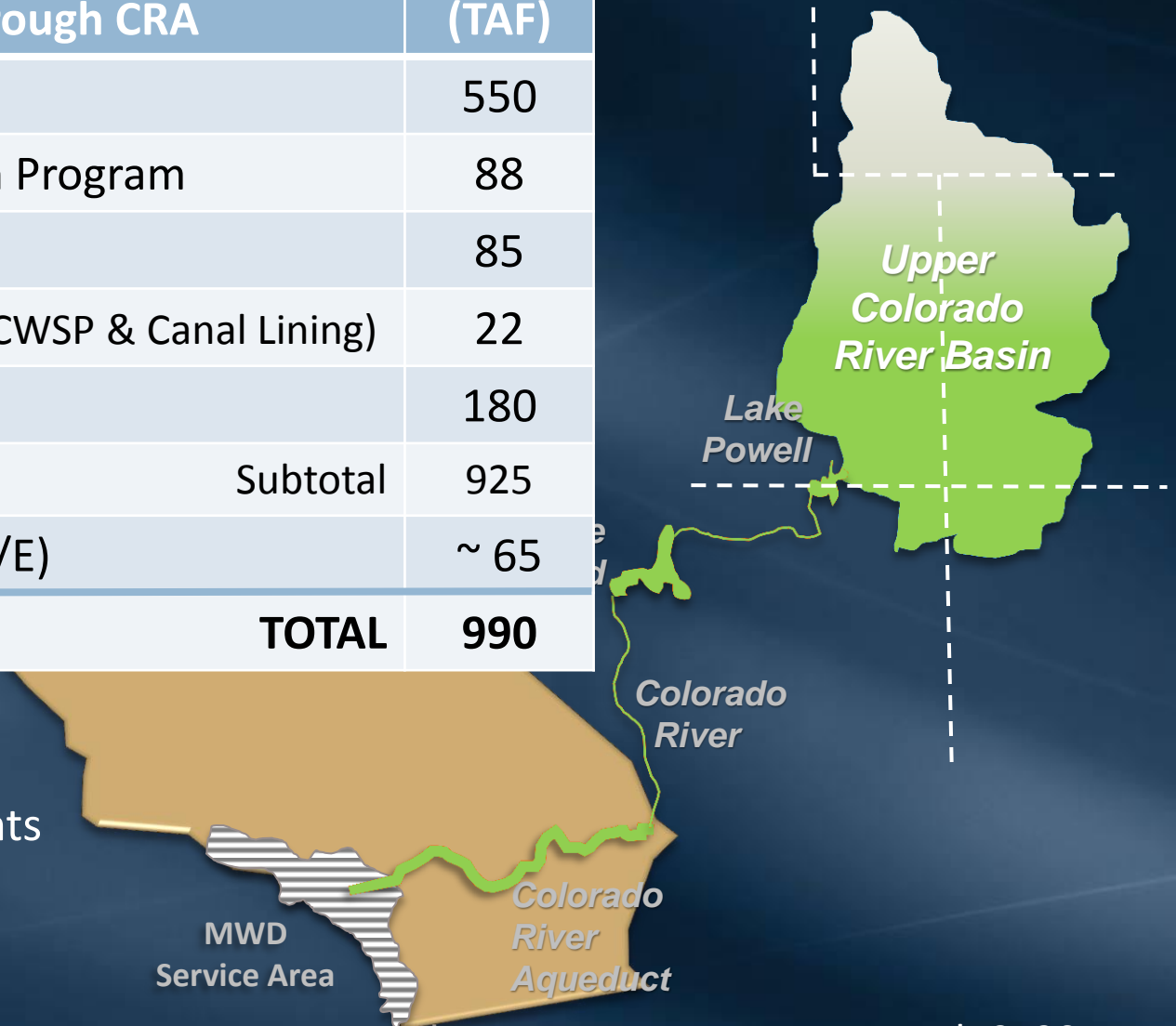
Supplies Conveyed Through SWP	(TAF)
Table A	478 - 669*
GW Storage	122 - 145
Carryover	33
Flexible Storage	0
Subtotal	633 - 847
Transfers/Exchanges (T/E)	~ 100
TOTAL	733 - 947

* Does not include additional SWP Supplies from Desert Water and Coachella Valley WD

2015 CRA Estimated Supplies

Supplies Conveyed Through CRA	(TAF)
Base Supply *	550
IID/MWD Conservation Program	88
PVID Land Fallowing	85
Other Annual Purch. (LCWSP & Canal Lining)	22
Exchange with SDCWA	180
Subtotal	925
Transfers/Exchanges (T/E)	~ 65
TOTAL	990

* Does not include any agricultural adjustments

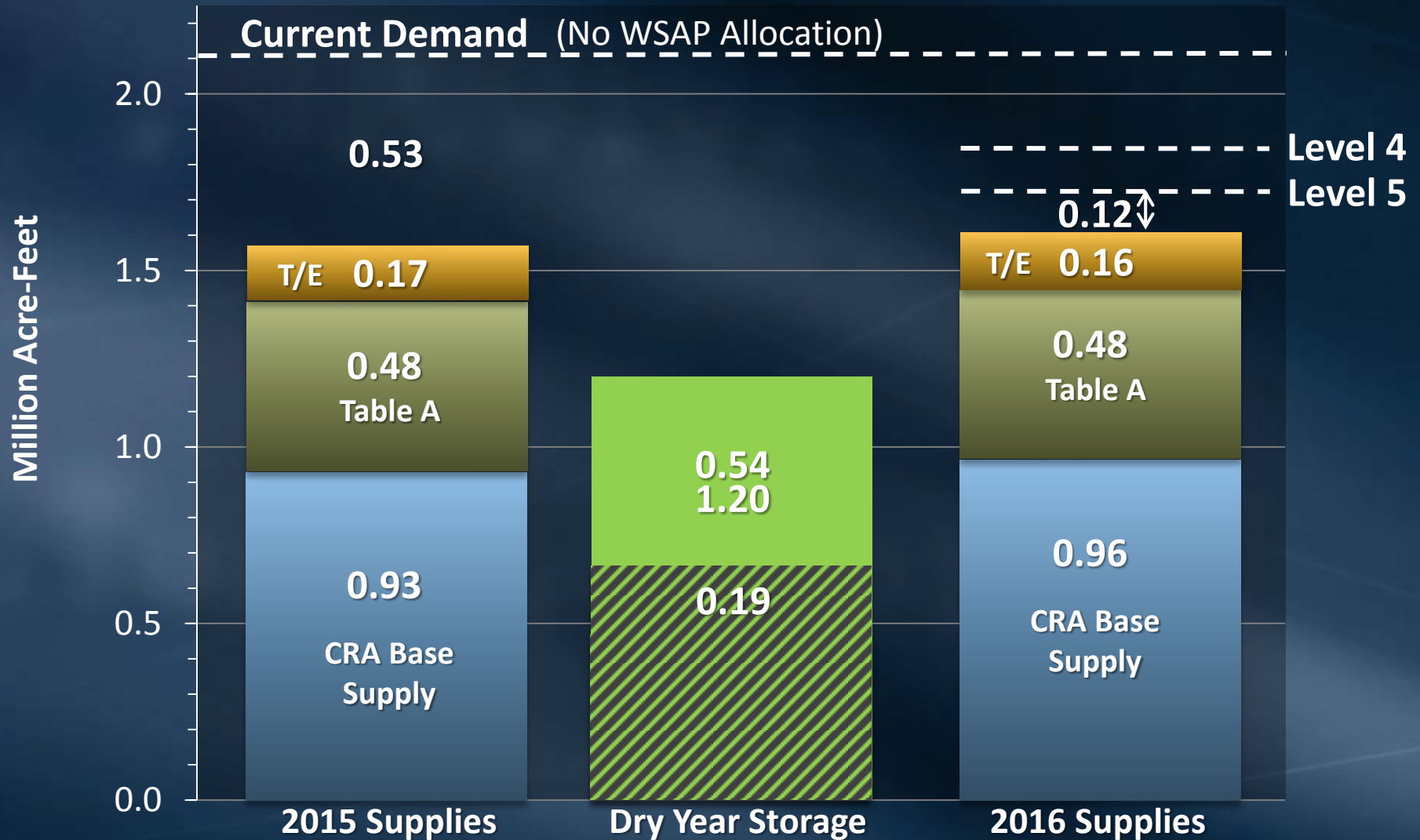


2015 & 2016 Key Assumptions

- WSAP Baseline with Losses: ~ 2.2 MAF
- SWP Scenarios of 25% and 35%
 - Similar hydrology and supplies
- Storage Reserves: 1.2 MAF
 - 535 – 577 TAF available (withdrawal capacity increases with SWP allocation)
 - Withdrawal capacity changes each year
- Transfer/Exchanges: ~ 165 TAF
 - Includes transactions for State Water Project and Colorado River supplies

Supply Demand Balances

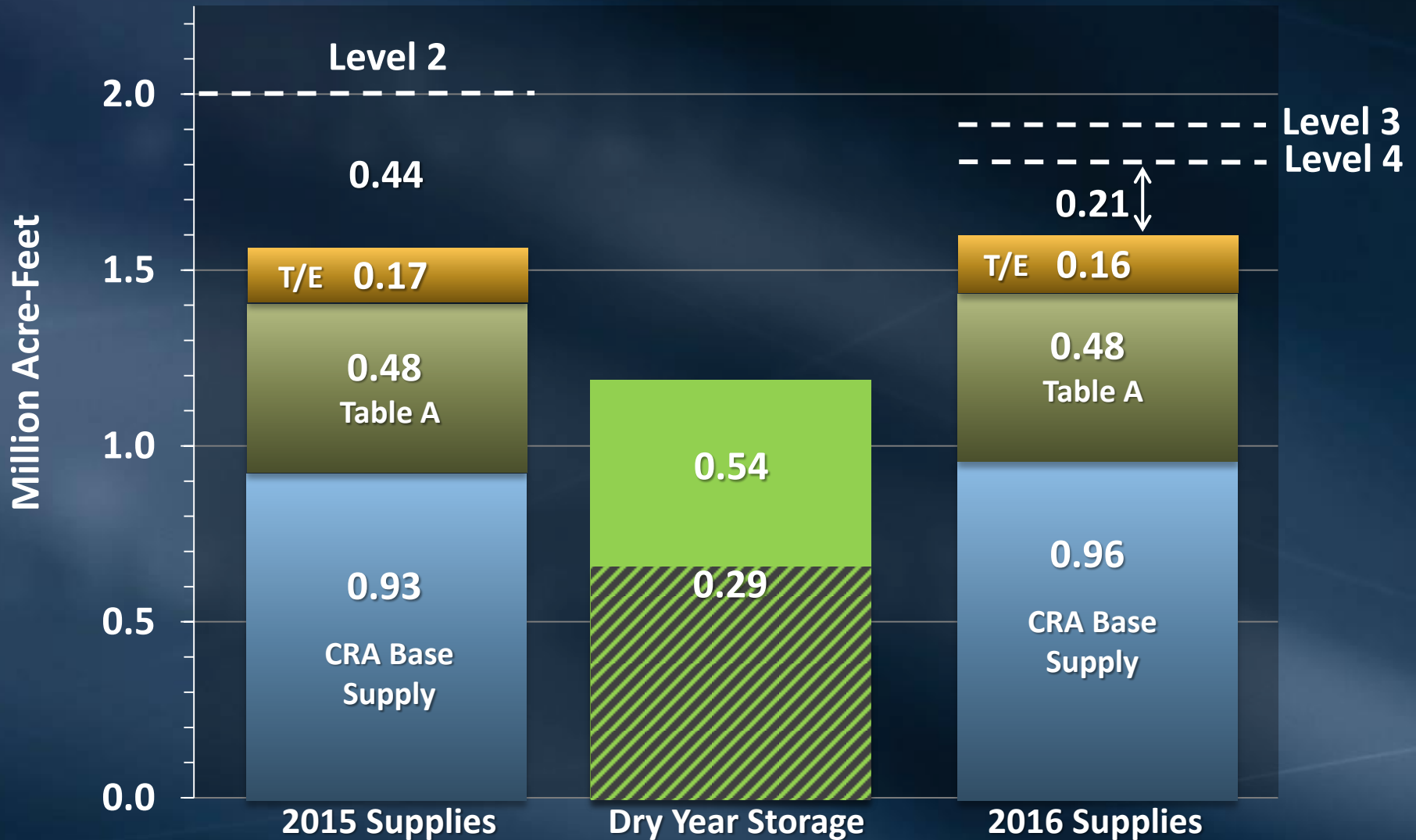
25% SWP Allocation (Dry Scenario)



March 25, 2015

Supply Demand Balances

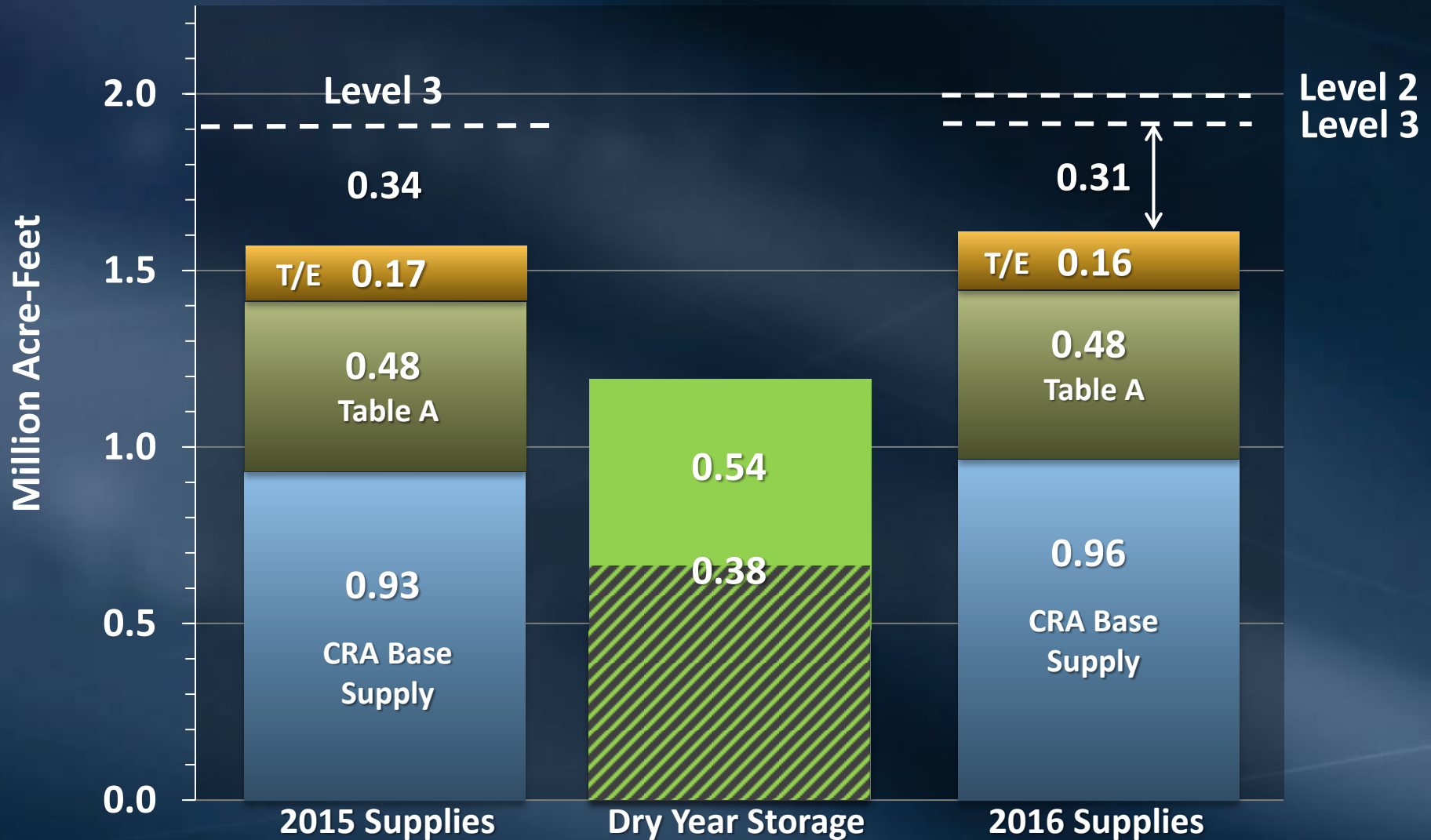
25% SWP Allocation (Dry Scenario)



March 25, 2015

Supply Demand Balances

25% SWP Allocation (Dry Scenario)



March 25, 2015

Potential Allocation Scenarios - Summary

SWP Allocation (2015 & 2016)	2015 WSAP Level	2015 Storage Take (TAF)	2016 WSAP Level	2016 Storage Take (TAF)
25%	No Allocation/ Level 1	532	5	117
	2	439	4	213
	3	341	3	310

Looking Forward

- Changing conditions will have a significant impact
 - Hydrology
 - SWP Allocation
 - Service Area Demands
- Will impact need for WSAP and depth of cut
 - Allocation action item in April

