



Oral Report on Water Surplus and Drought Management

Water Planning and Stewardship Committee
Item 7a
May 11, 2015

Overview

- Recap of April WSAP action
- Hydrology Update
- Tracking Uncertainties

Recap

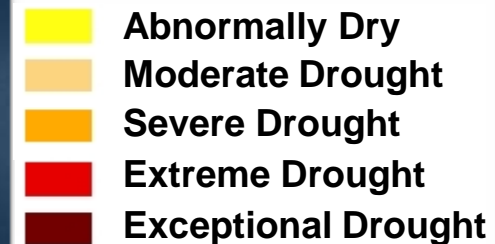
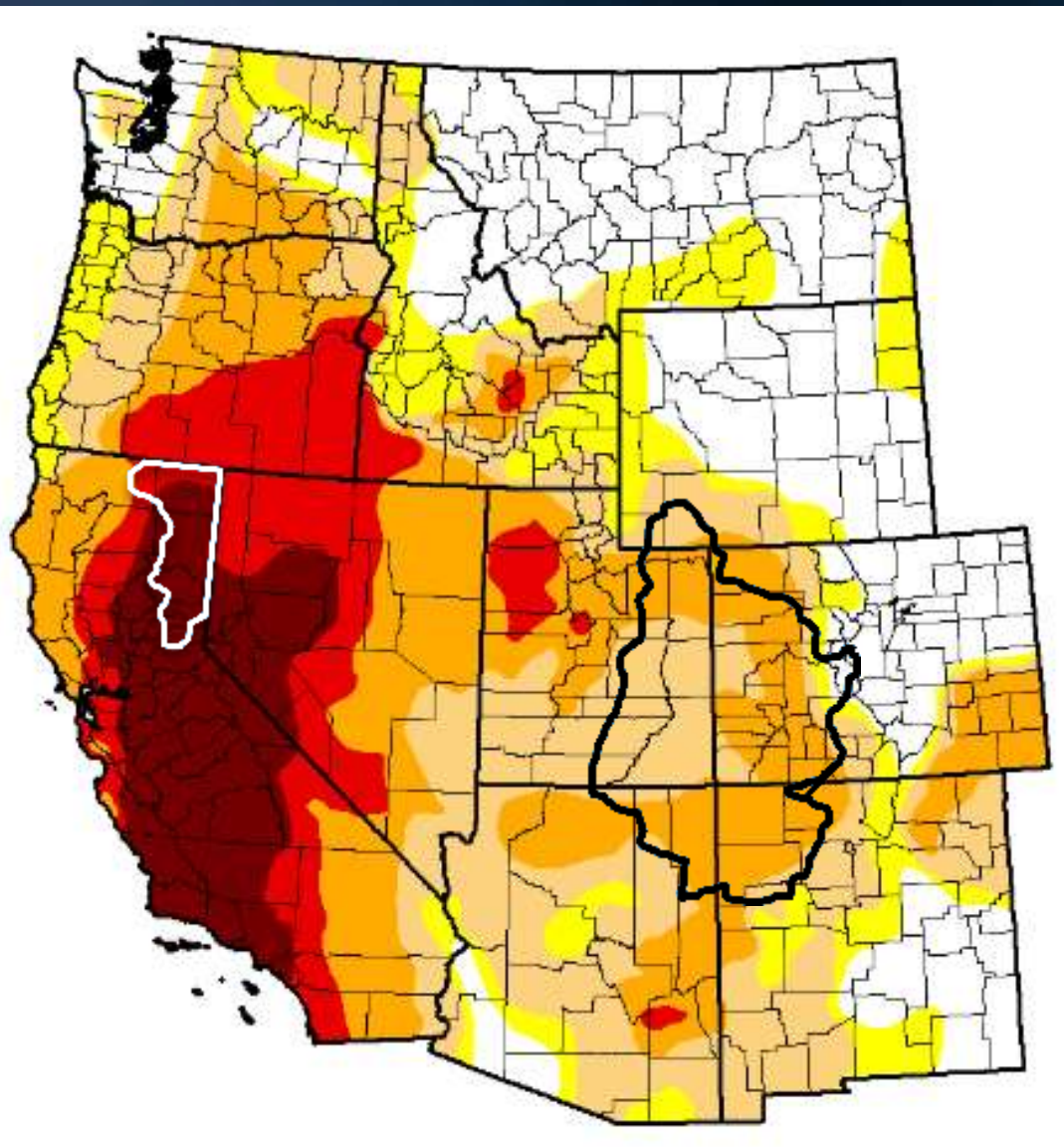
- WSAP Level 3 declared
 - July 1, 2015 – June 30, 2016
- Directed staff to track uncertainties on a monthly basis
 - Formal revisit in December 2015

Uncertainties

- Storage withdrawals before July 1, 2015
- Supplies including transfers
- Storage use within the allocation period
- Member agency deliveries

Hydrology

U.S. Drought Monitor - Current

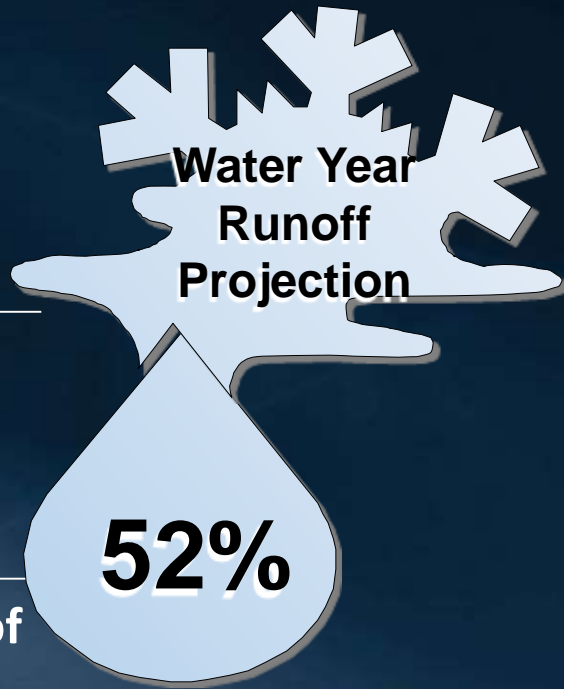
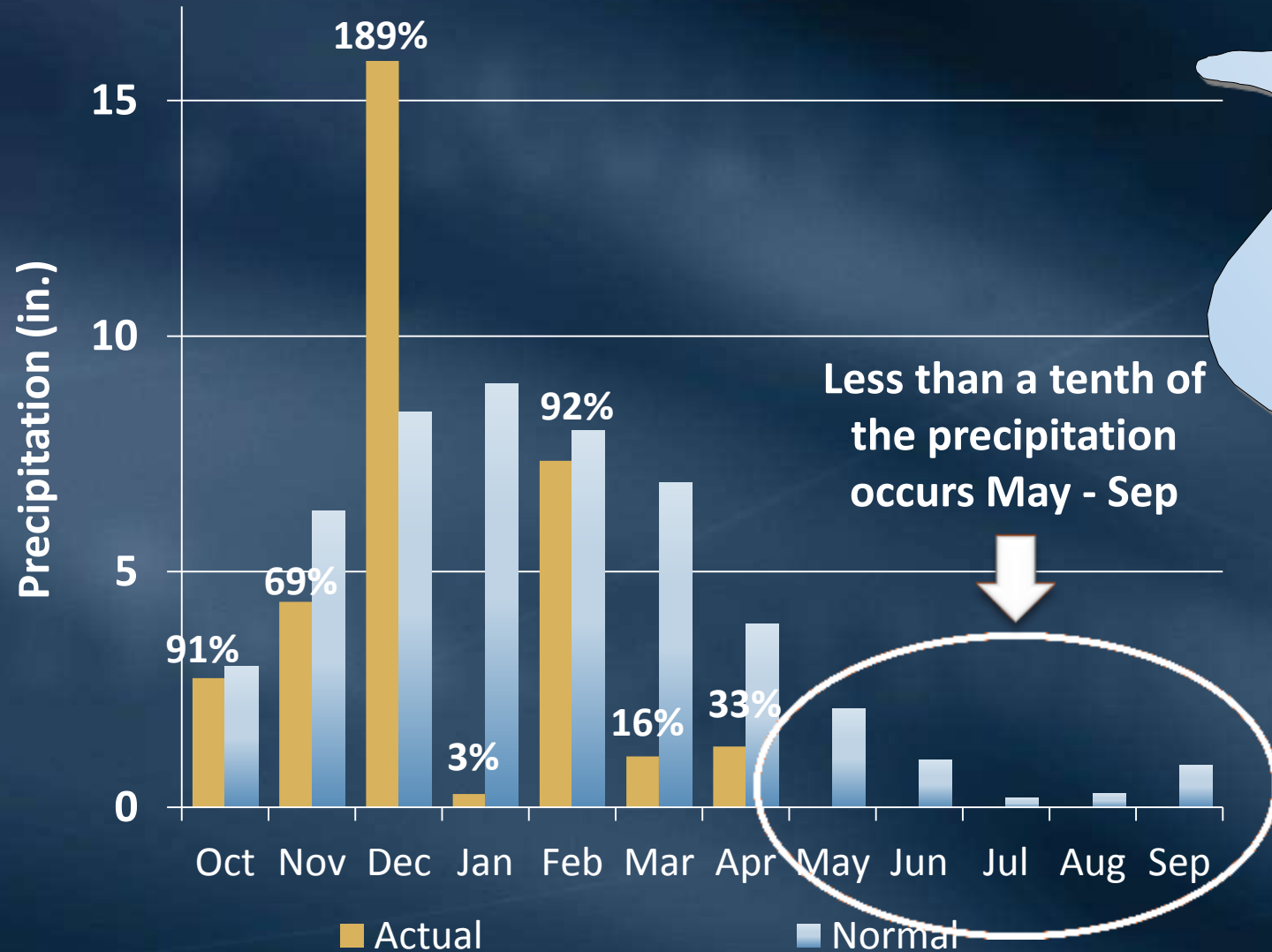


<http://droughtmonitor.unl.edu/>

Supply Tracking

Northern Sierra Hydrology

Precipitation



Less than a tenth of the precipitation occurs May - Sep



SWP Allocation Progression

DWR Operation Studies

Normal



50%



15%

Jan

31%



18%

Feb

33%



23%

Mar

26%



21%

Apr

24%



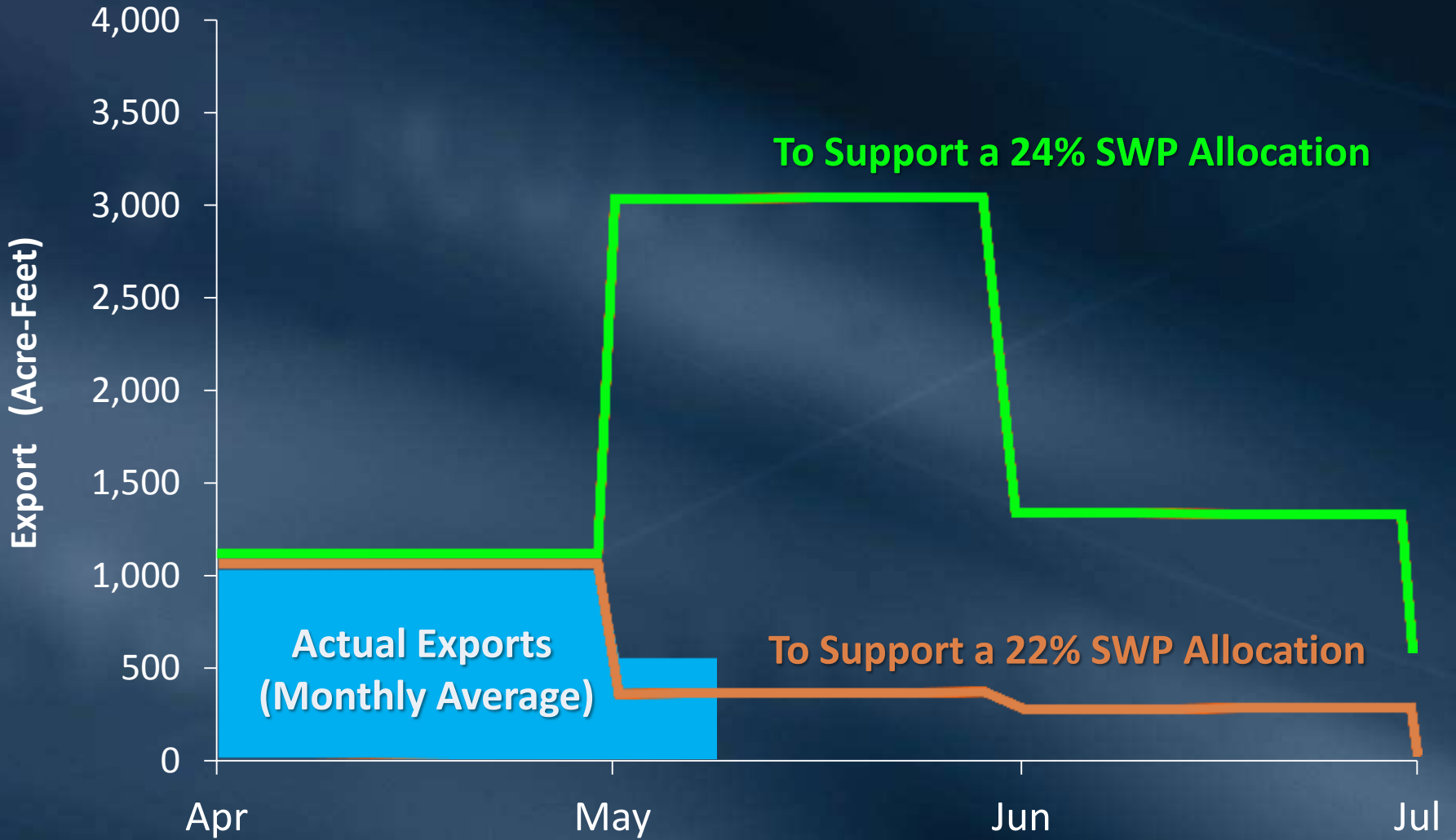
22%

May

Exports

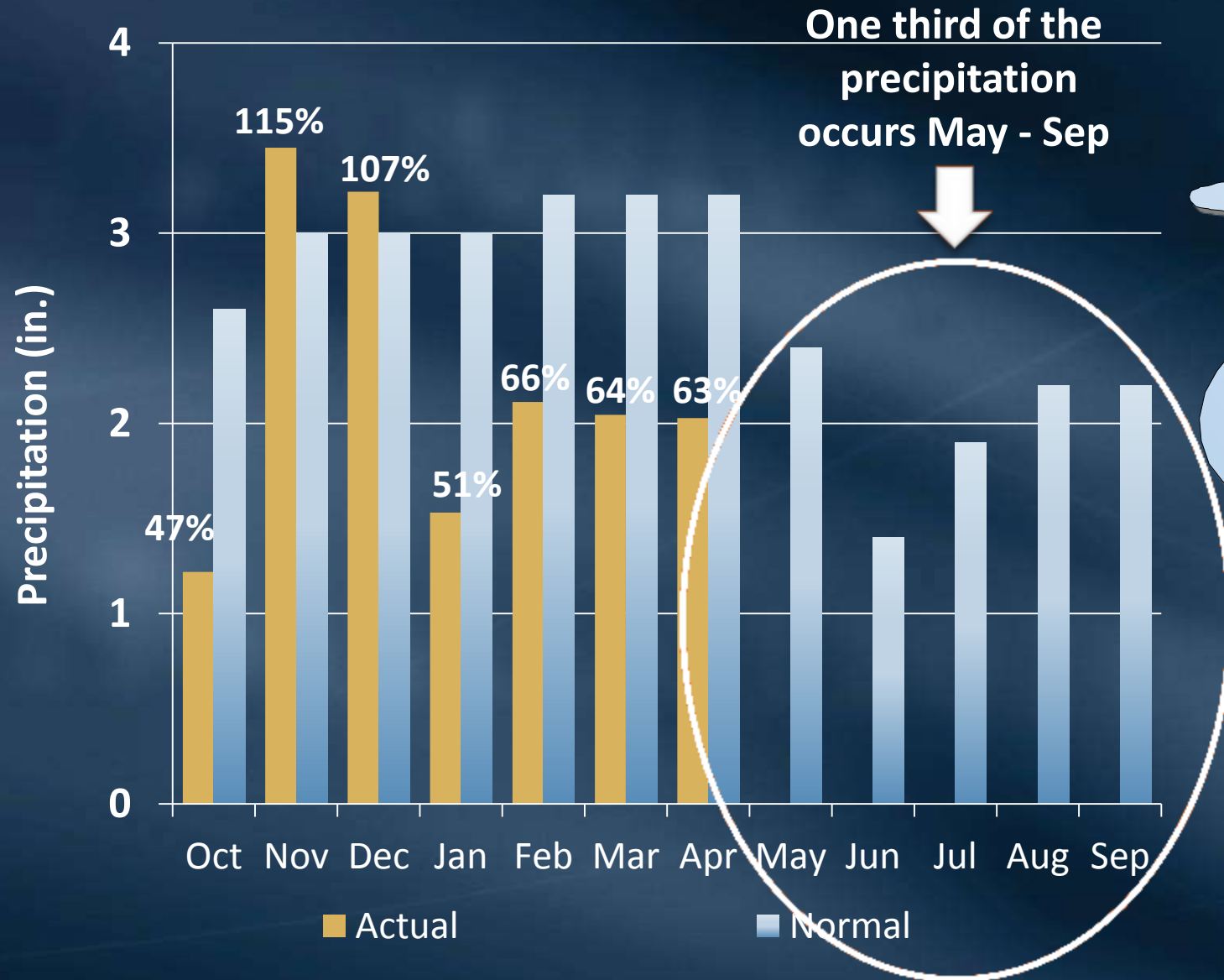


SWP Delta Export Tracking



Upper Colorado River Basin Hydrology

Precipitation



Key Decision Points Affecting CRA Supplies

- May 2015

Study	Shortage Probability	
	2016	2017
January	21%	54%
April	33%	75%

- Au

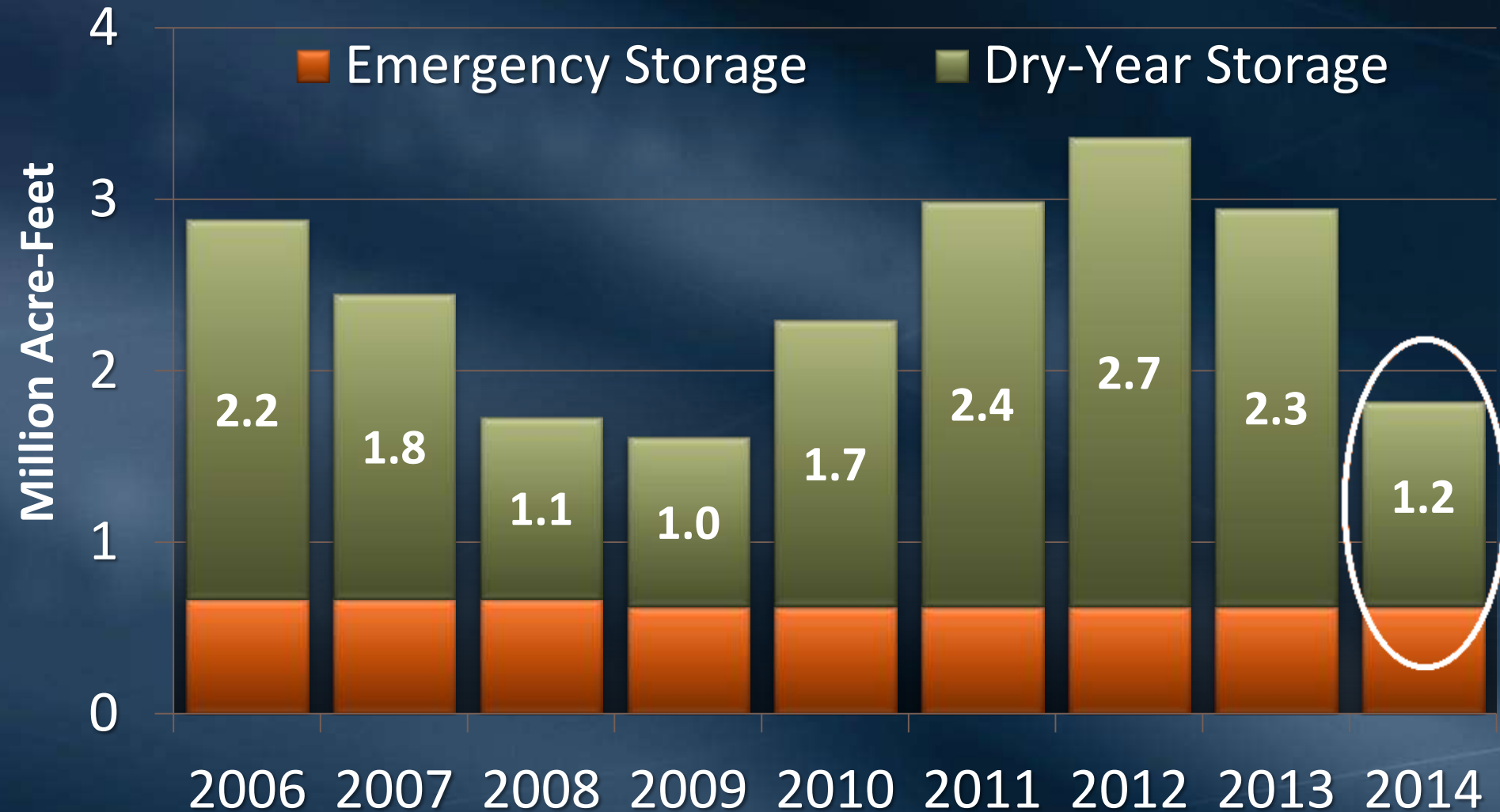
- Ongoing

- Ag adjustment uncertainty reduces over time; monthly tracking of higher priority water users

Dry Year Storage Tracking

Metropolitan Storage Reserves

End of Year Balances*

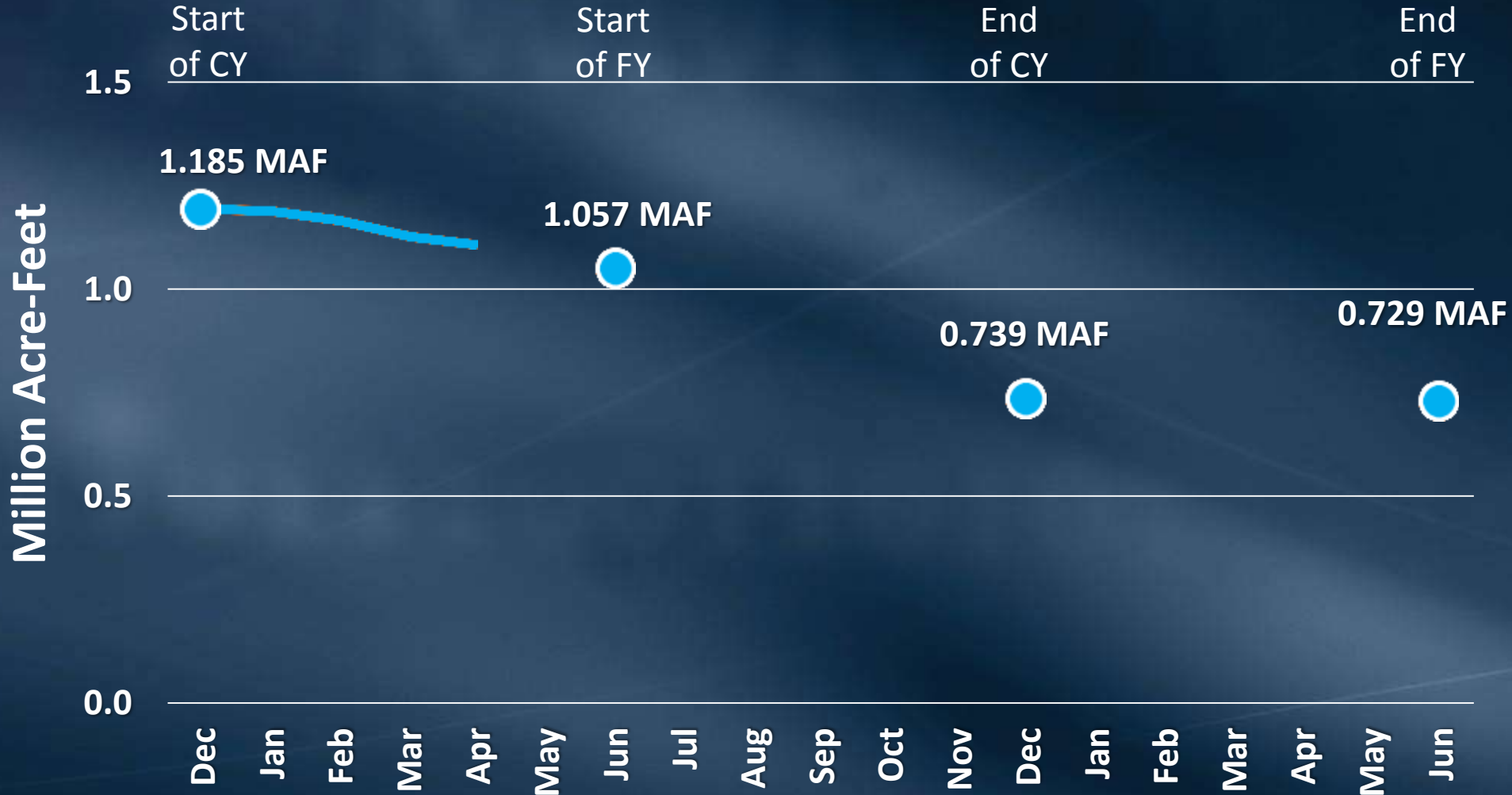


*Estimated actual storage balances, subject to change.

Monthly Storage Reserves Tracking

Assuming a 20% SWP Allocation

Dry Year Storage Reserves



Member Agency Delivery Tracking

Deliveries to Member Agencies

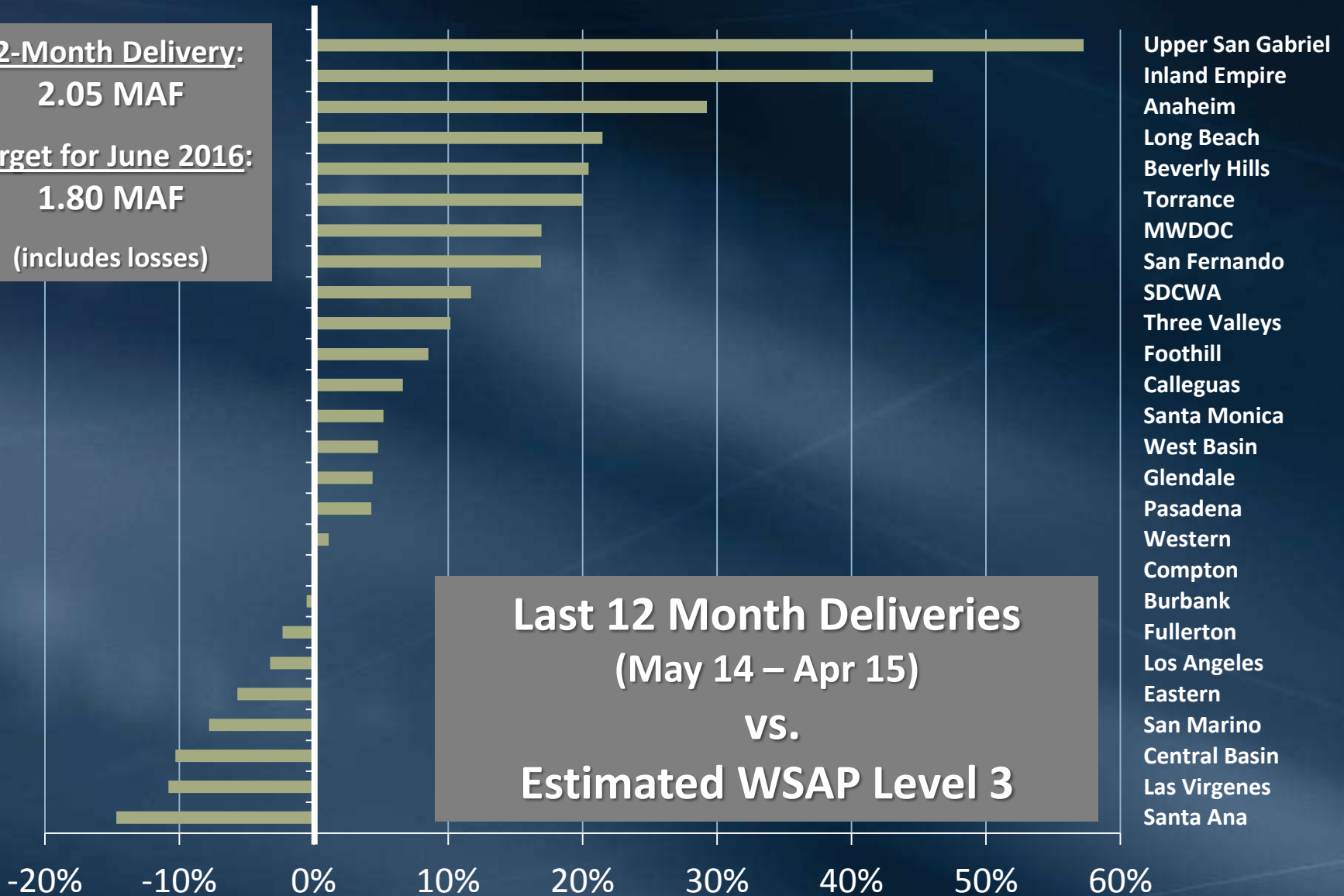
12-Month Delivery:

2.05 MAF

Target for June 2016:

1.80 MAF

(includes losses)



* Modified to account for one-time purchases

Area of Uncertainty	Status of Tracking
SWP Supplies	<ul style="list-style-type: none"> • Delta Exports on target for 22% Allocation • Transfer supplies projected to be 21 TAF (after losses)
CRA Supplies	<ul style="list-style-type: none"> • Probability of shortage in 2016 increased from 21% to 33% • Continuing discussions regarding Transfers/Exchanges
Dry Year Storage	<ul style="list-style-type: none"> • Storage use on target
Member Agency Deliveries	<ul style="list-style-type: none"> • Ongoing tracking

