



Special Board Meeting

Declare Water Shortage Emergency Condition;
Adopt Emergency Water Conservation Program;
Express Support for Governor's Executive Order

Item 7-1

April 26, 2022

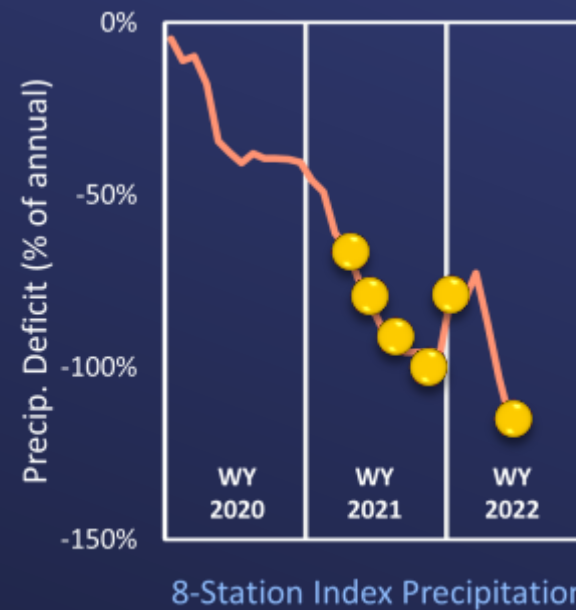
Elements of Board Action

1. Declare Water Shortage Emergency Condition for SWP Dependent Area
2. Adopt framework of Emergency Water Conservation Program
3. Express support for Governor's Executive Order

How did we get here?

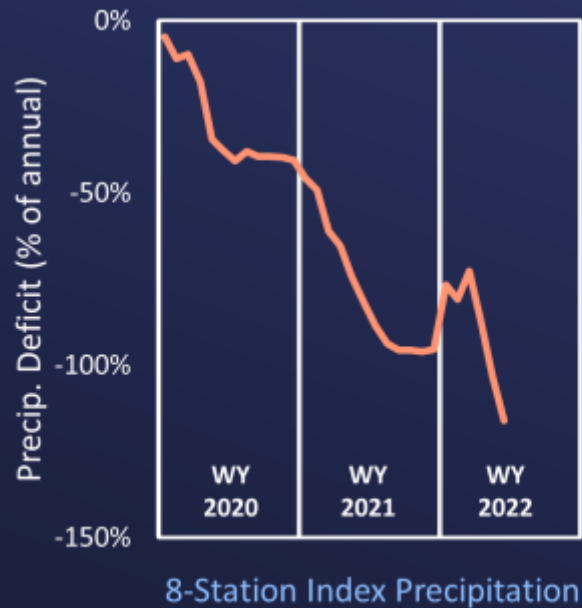
Third Year of Drought

- Driest 3 years
- Driest 3 months (Jan. – Mar.)



● Declarations and Executive Orders by Governor Newsom

How did we get here?



Third Year of Drought

- Driest 3 years
- Driest 3 months (Jan. – Mar.)
- Lowest 3-year total deliveries from State Water Project

Average Expectation for SWP

3.2 million AF

DWR's Lowest Forecast

1.0 million AF

Current 3 yrs

0.6 million AF

What did we do as the drought intensified?



8-Station Index Precipitation

Increasing Response Since Mar. 2020



Mar. 2020

Minimized SWP flow to areas that can receive both SWP and CRW



Mar. 2021

Started pump-in from Semitropic and Kern Delta storage programs

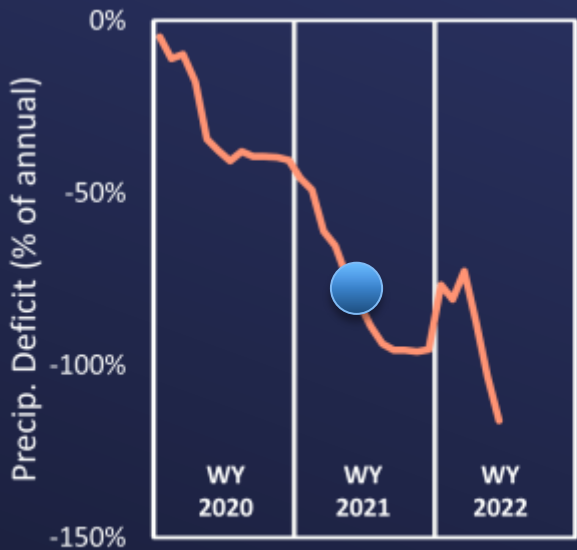
Apr. 2021

Operated Colorado River Aqueduct at full capacity



Board approved North-of-Delta water transfers up to \$44 million

What did we do as the drought intensified?



8-Station Index Precipitation

Increasing Response Since Mar. 2020

● May 2021

Board approved new Operational Shift Cost-Offset Program

Fed Mills Plant from DVL for the first time



Jun. 2021

Rehabilitated Greg Avenue pumps began operation

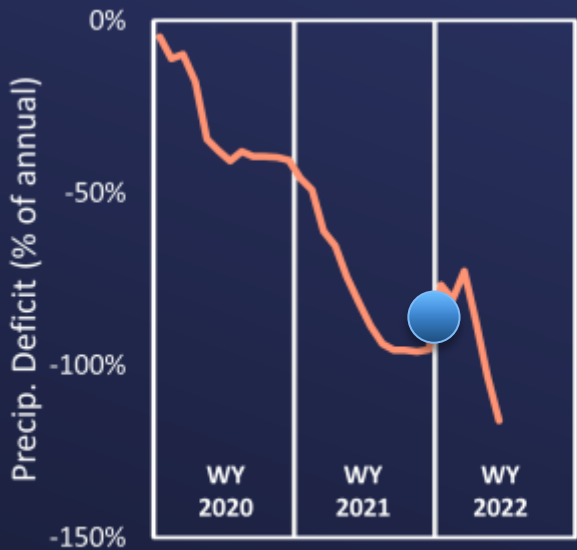


Aug. 2021

Board declared Water Supply Alert, calling for consumers & businesses to voluntarily reduce water use

Intensive coordination meetings begin with SWP Dependent Area Member Agencies (17 meetings to date)

What did we do as the drought intensified?



8-Station Index Precipitation

Increasing Response Since Mar. 2020

Oct. 2021

Governor Newsom declares State of Emergency for all California counties

Zero percent SWP allocation expected

Metropolitan requests supplies for human health and safety* if drought persists



Nov. 2021

Board declares drought emergency for SWP dependent area and warns of further action if drought continues

Board expands conservation programs

Dec. 2021

More than 16 feet of snow falls in December



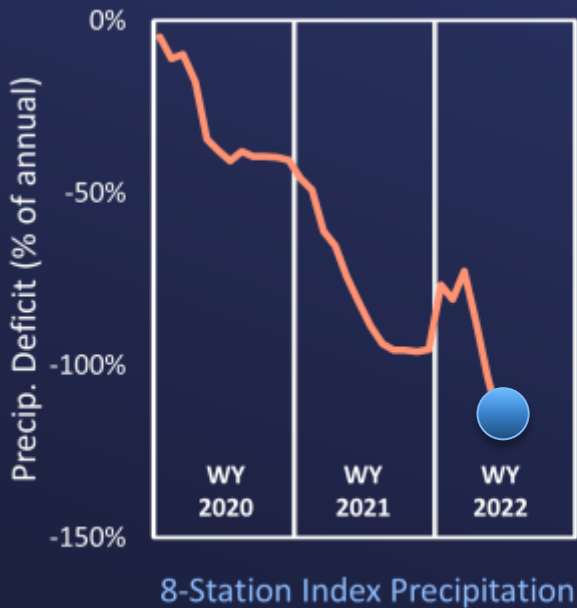
Board approves SDCWA & San Bernardino Valley Water District agreements

Board amends Capital Investment Plan to improve east area infrastructure reliability

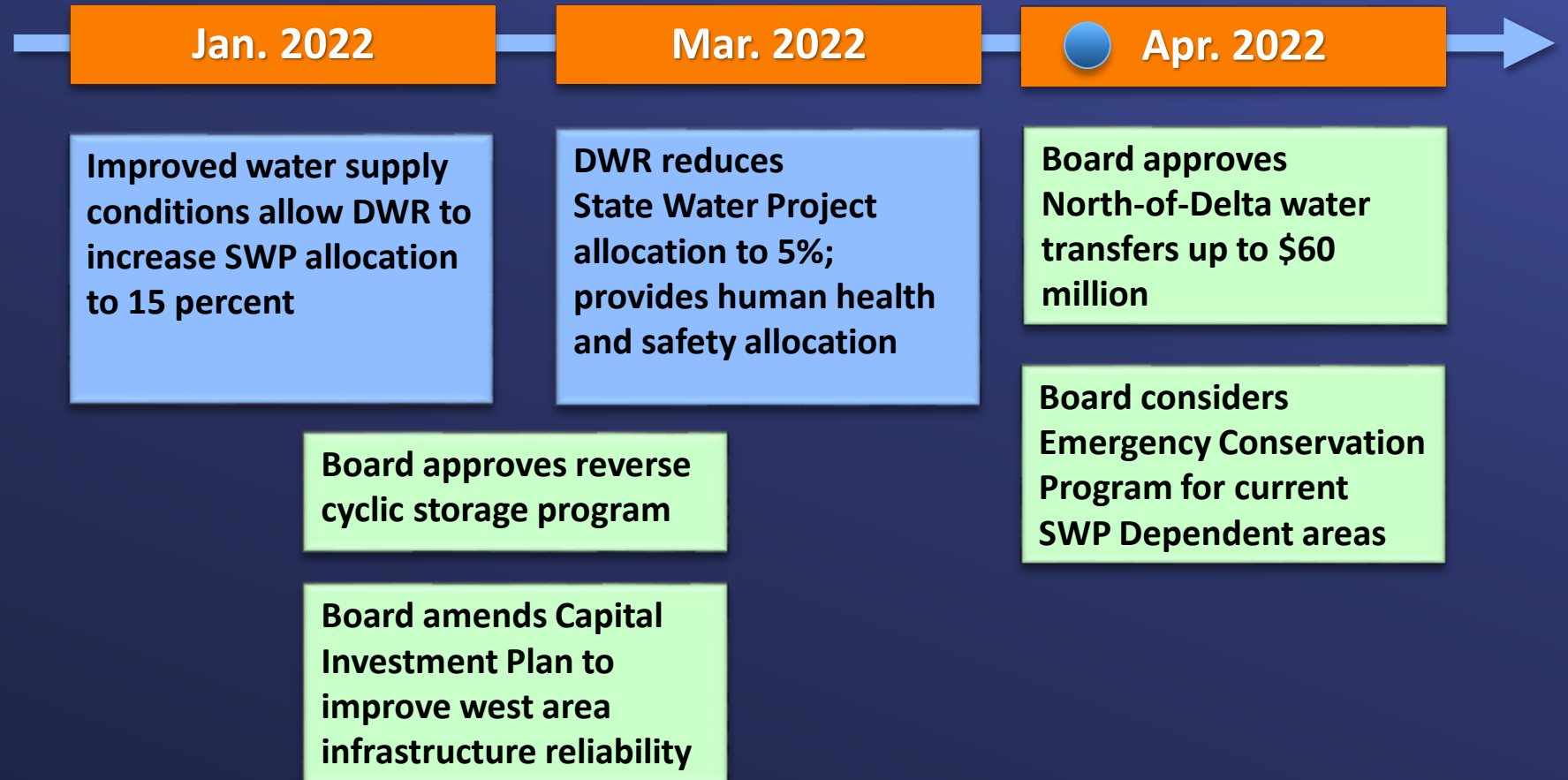
*domestic supply, fire suppression, or sanitation

Special Board Committee

What did we do as the drought intensified?



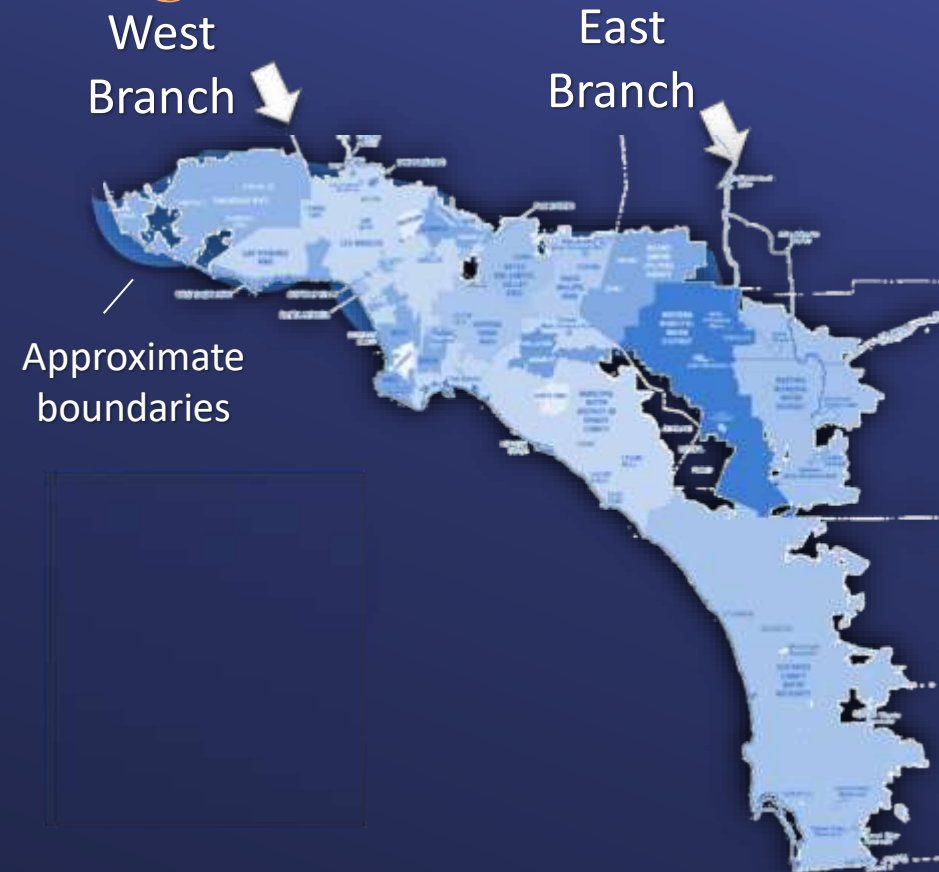
Increasing Response Since Mar. 2020



Water Shortage Emergency

What is the
SWP
dependent
area?

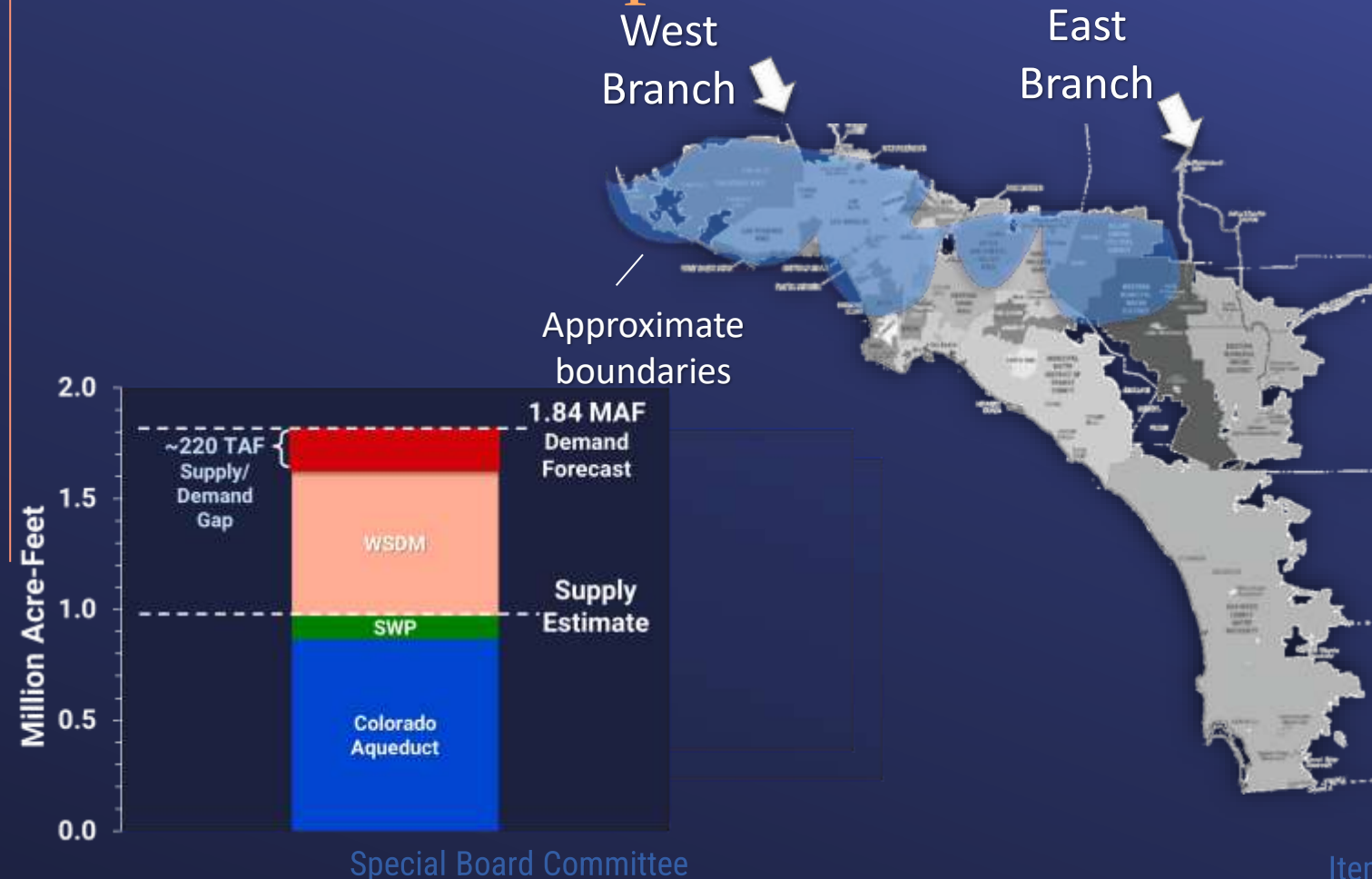
Areas currently served by Metropolitan
primarily through the State Water Project



Water Shortage Emergency

Insufficient Supply to Meet Normal Demands

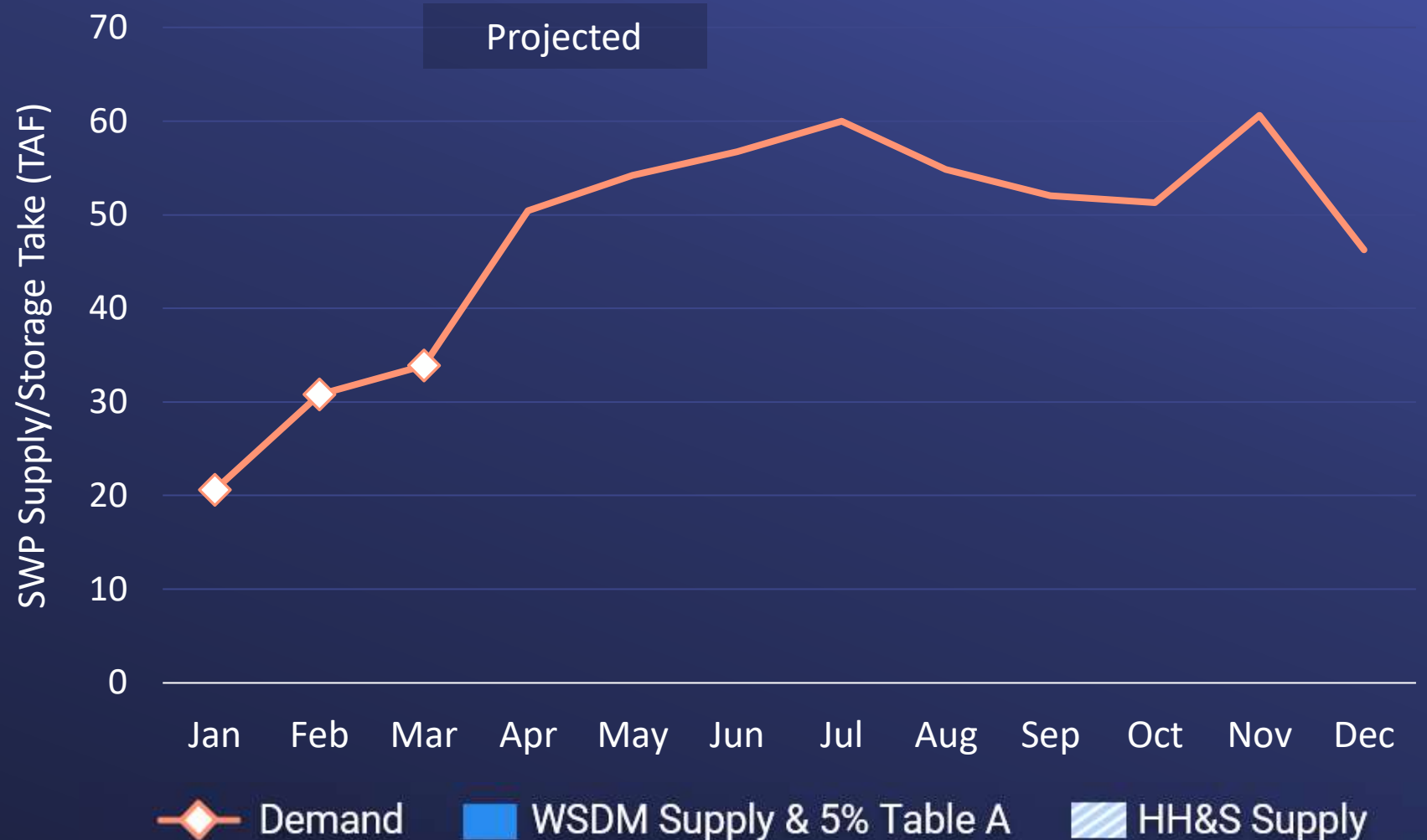
Normal water demands cannot be met in the SWP dependent area



SWP Dependent Area

Demand Projection

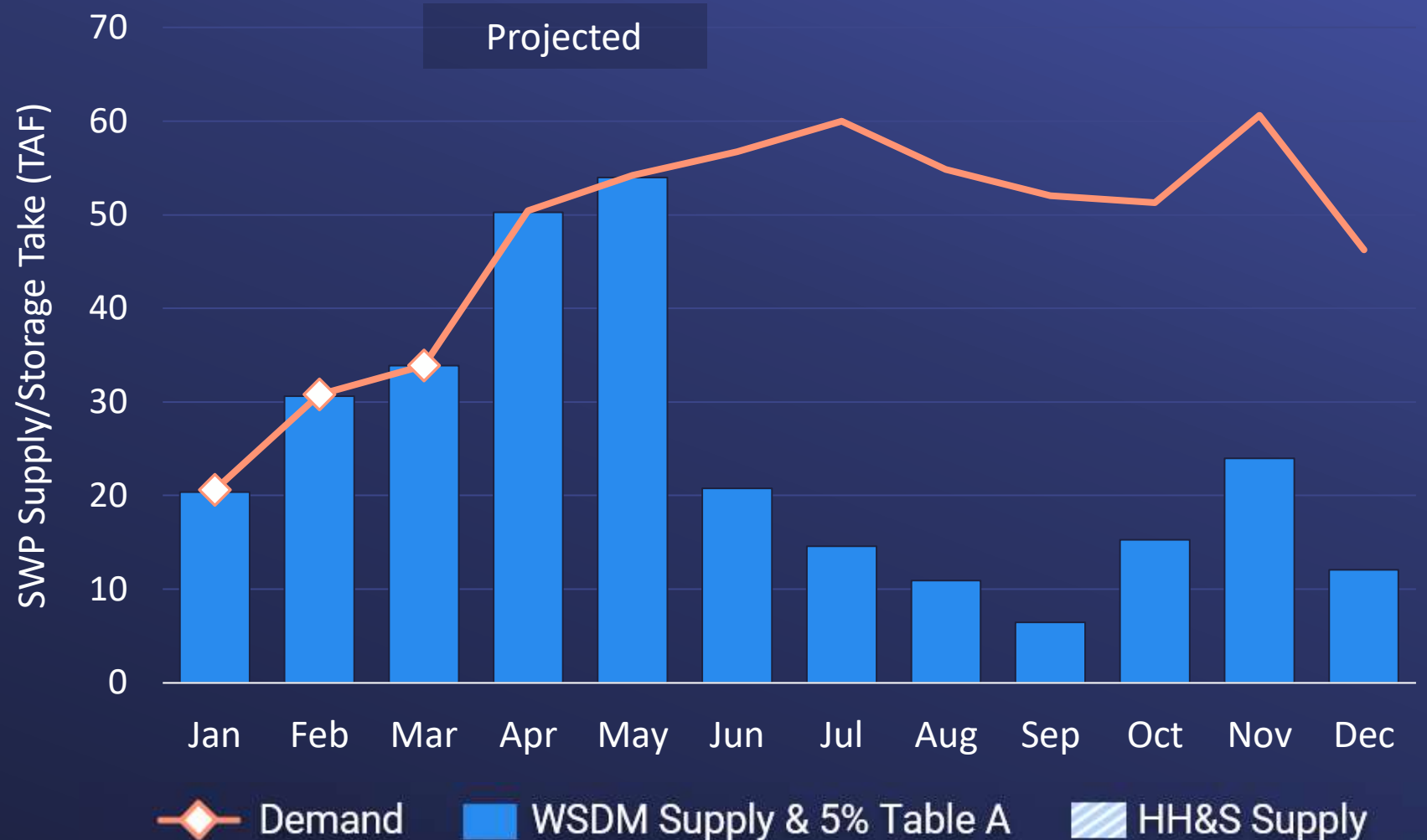
2022 SWP Dependent Area Monthly Supply/Demand



SWP Dependent Area

Available
Supply

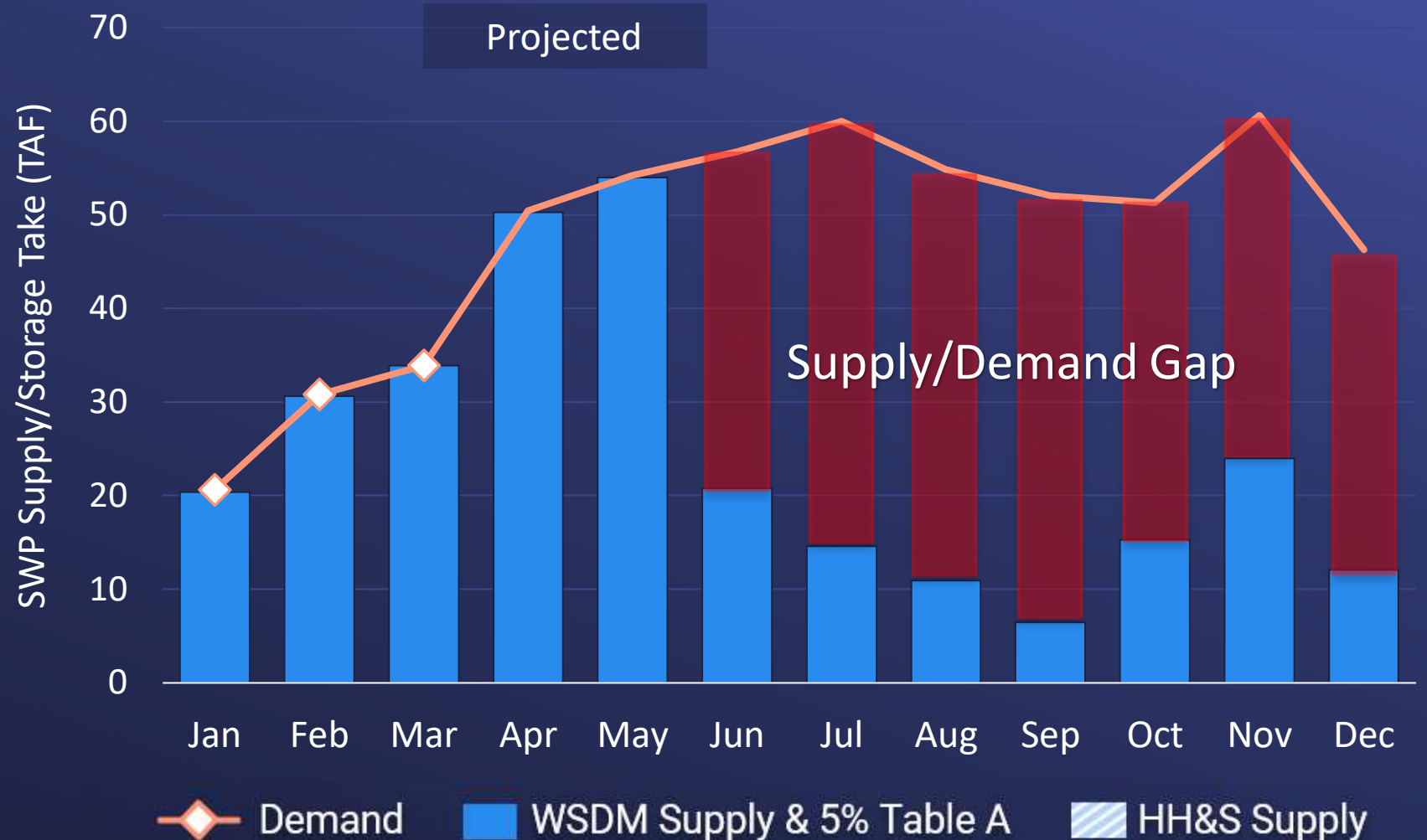
2022 SWP Dependent Area Monthly Supply/Demand



SWP Dependent Area

Insufficient
supply to meet
normal
demand

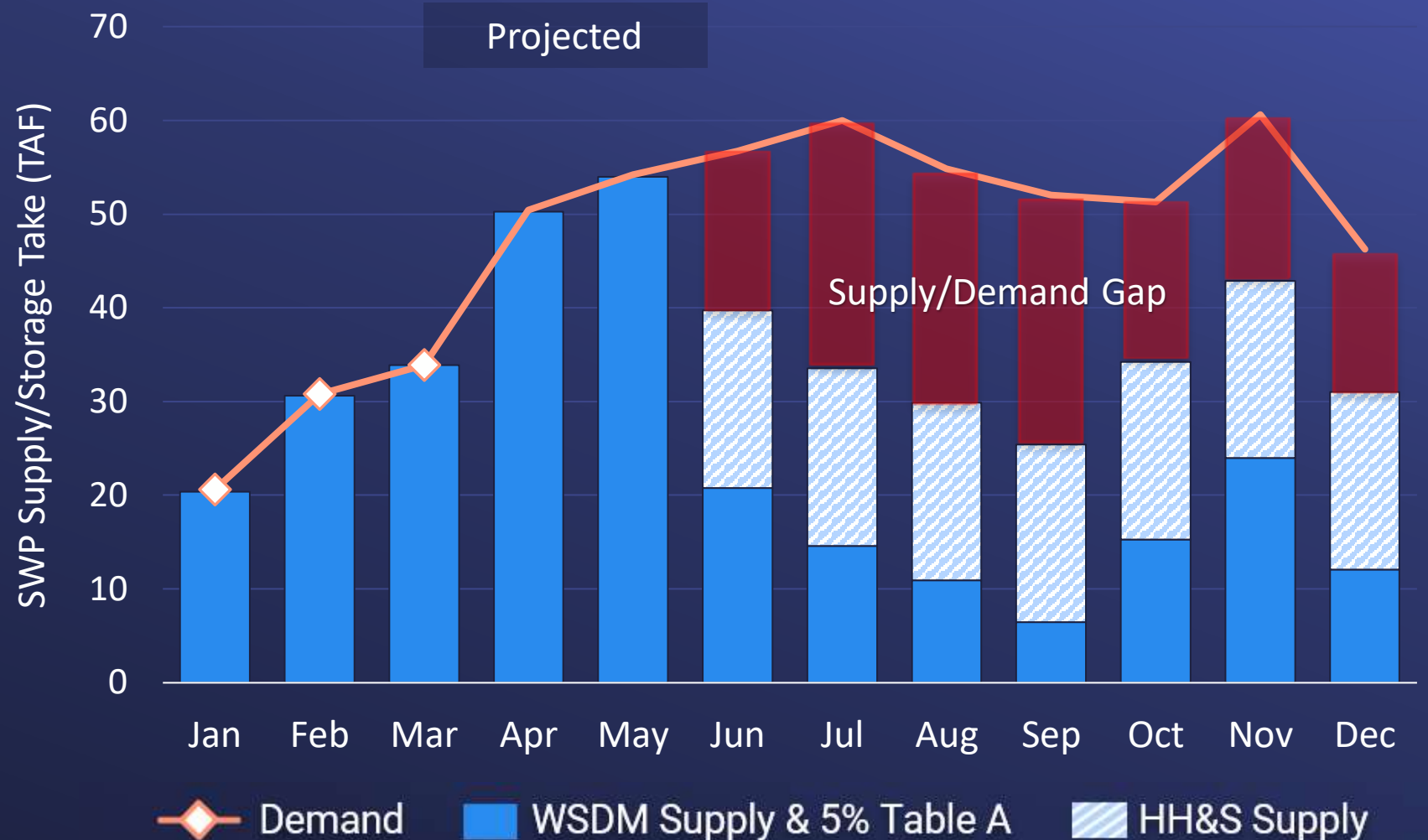
2022 SWP Dependent Area Monthly Supply/Demand



SWP Dependent Area

DWR will
provide some
deliveries for
human health &
safety needs

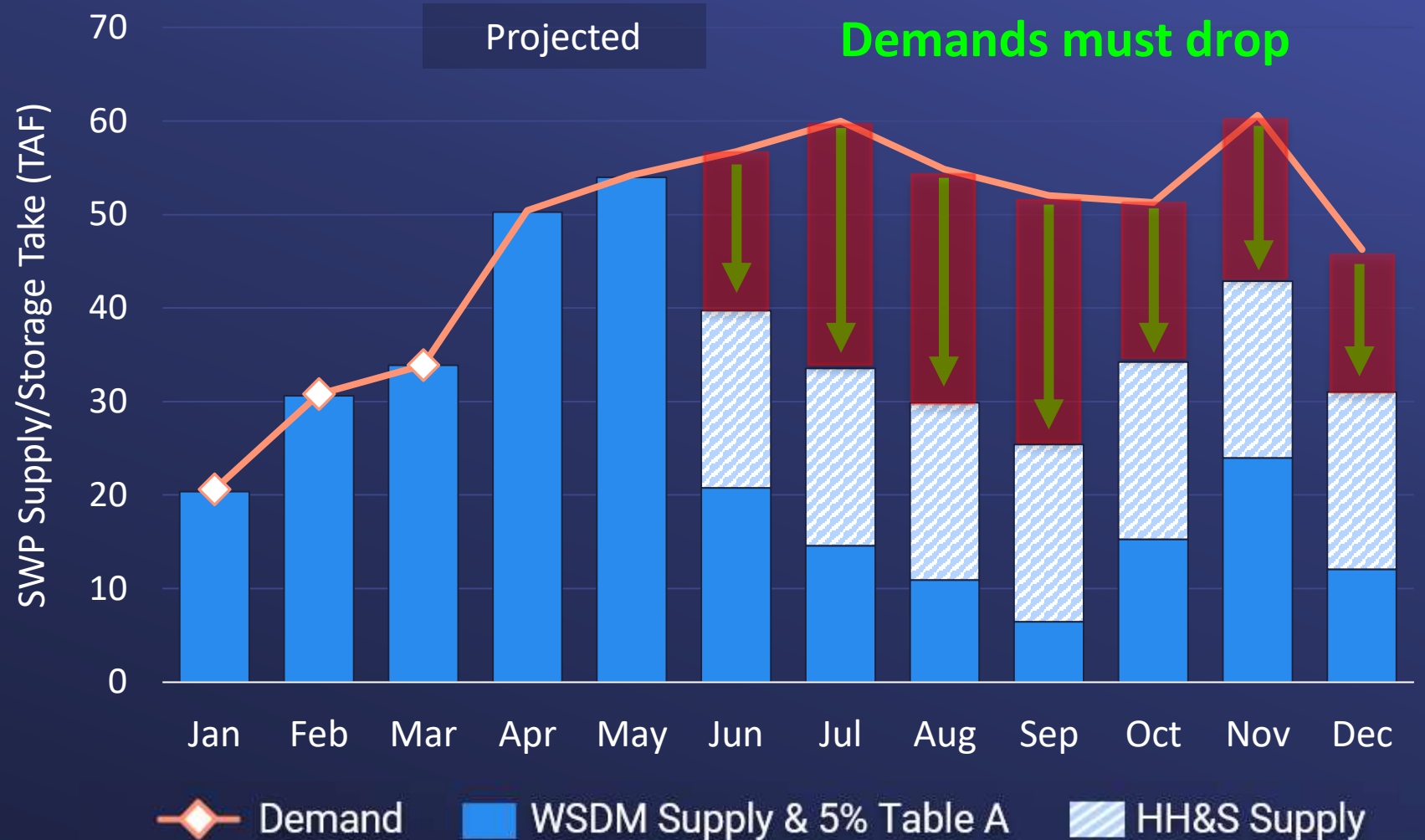
2022 SWP Dependent Area Monthly Supply/Demand



SWP
Dependent
Area

Demands
Must
Drop

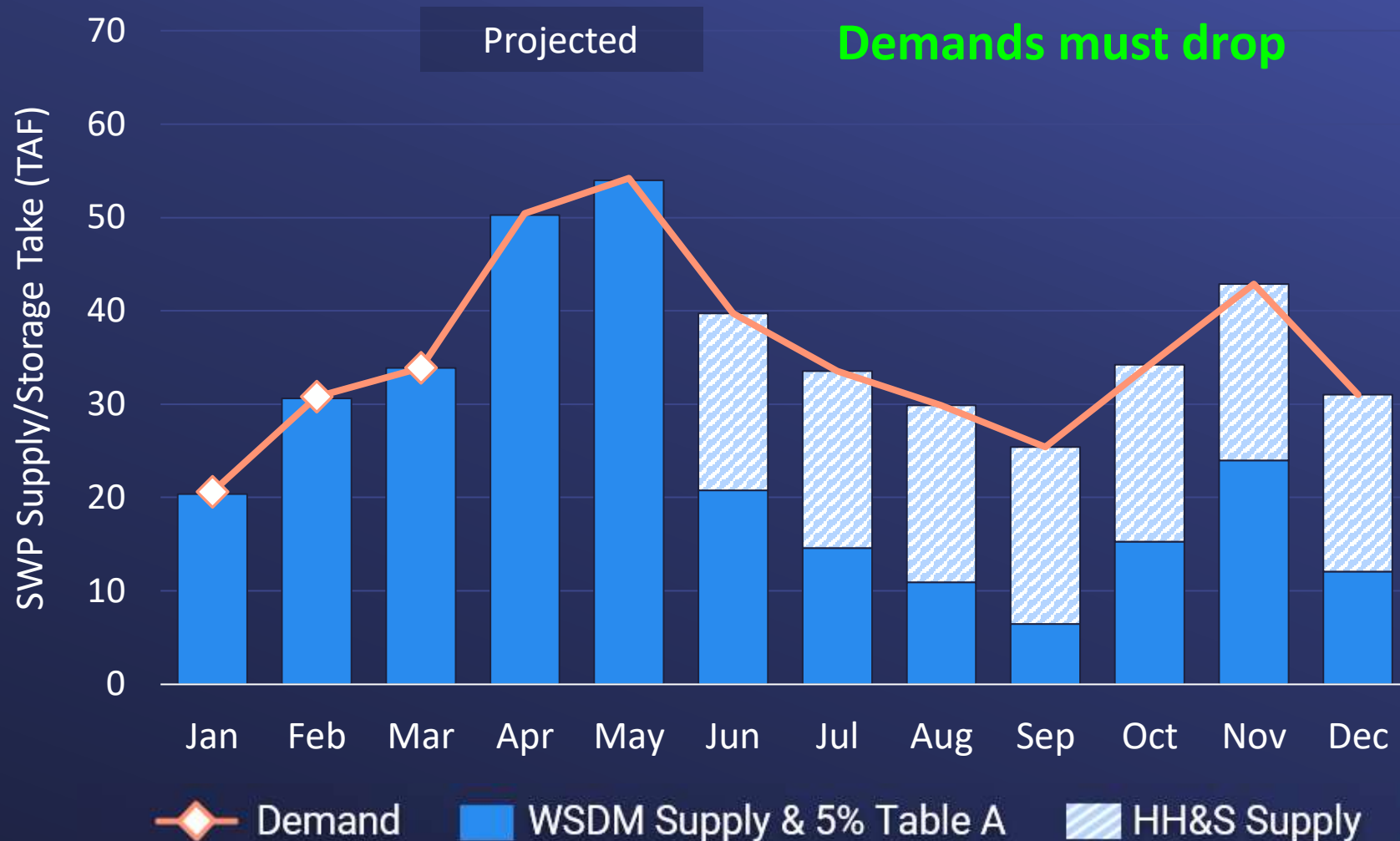
2022 SWP Dependent Area Monthly Supply/Demand



SWP Dependent Area

Additional
Conservation
Needed
to Balance
Supply/
Demands

2022 SWP Dependent Area Monthly Supply/Demand



What is Human Health & Safety supply?

Water needed for domestic supply, fire protection, or sanitation

- SWP contract provision allocating water on a basis other than Table A
- Implemented consistent with State Water Board curtailment regulations
- Primary basis is 55 gal/person/day, offset by available local supplies
 - Does not include commercial use
 - Does not include outdoor use

Coordination Efforts

Metropolitan staff advocated with DWR and sought Member Agency input

- DWR coordination to maximize use of stored supplies and transfers
- 17 meetings with directly affected Member Agency managers (since Aug. 2021)
- Monthly reporting to all Member Agency Managers and WP&S Committee of Board (through WSDM reports and presentations)

Water Shortage Emergency Declaration & Emergency Water Conservation Plan

What are our objectives?

- Preserve scarce supplies this year
- Prepare for a potential fourth year of drought
 - Use allocated human health and safety supplies in 2022 consistent with DWR directives
 - Create non-project carryover if supply conditions improve (e.g., transfers, Central Valley pump-ins, additional local supplies)

Water Shortage Emergency

Water Shortage Emergency Condition

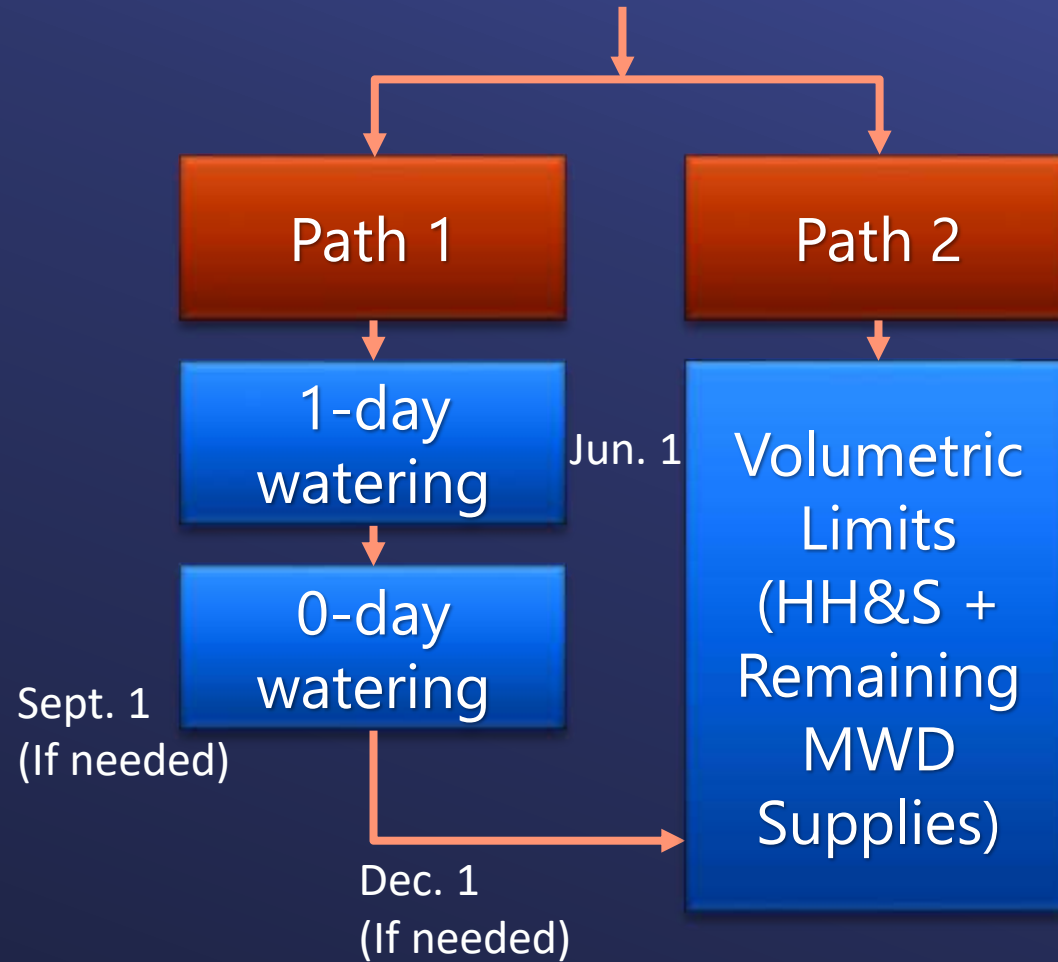
Water Shortage Emergency Condition

- Public Hearing
- Water Code Section 350
 - Declared when ordinary demands cannot be satisfied without depleting water for human consumption, sanitation, and fire protection
 - Conserve the water supply for the greatest public benefit with priority for human health and safety
 - Establish priorities in the use of water for other purposes
- Result: Limit non-essential, outdoor use

Water Shortage Emergency

Framework of Emergency Water Conservation Program

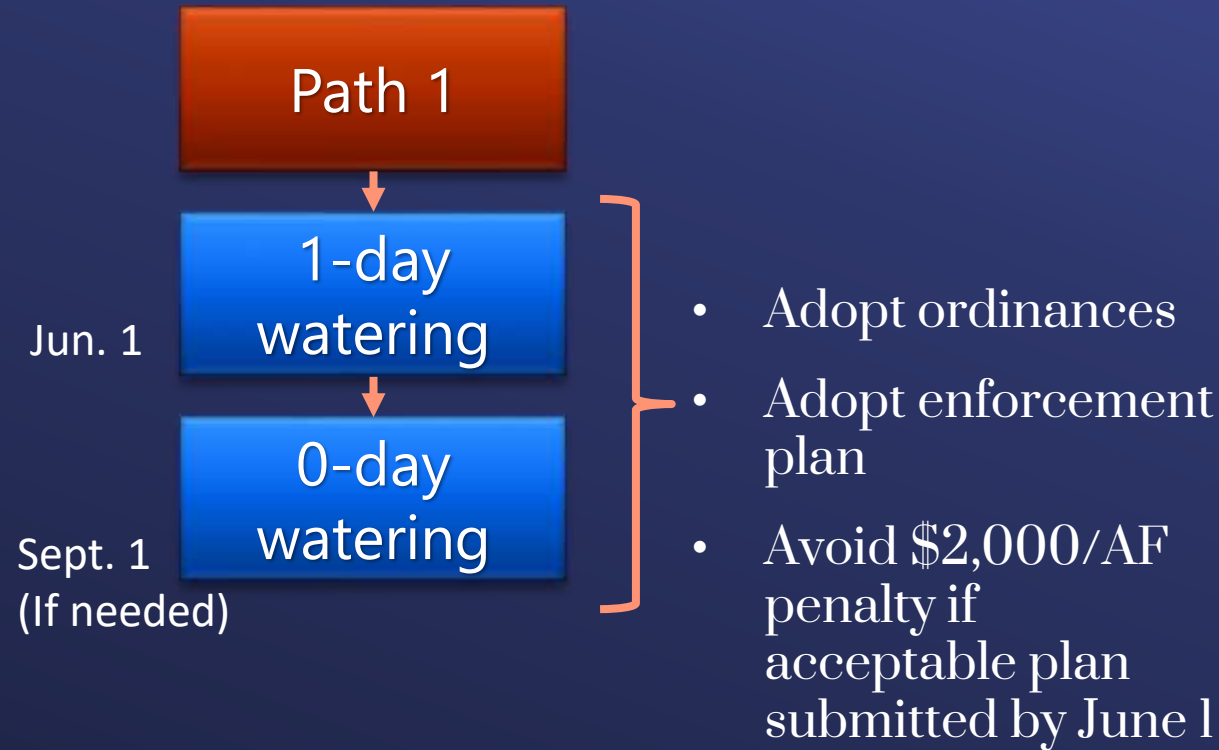
Two Paths for Compliance



Water Shortage Emergency

Framework of Emergency Water Conservation Program

Two Paths for Compliance

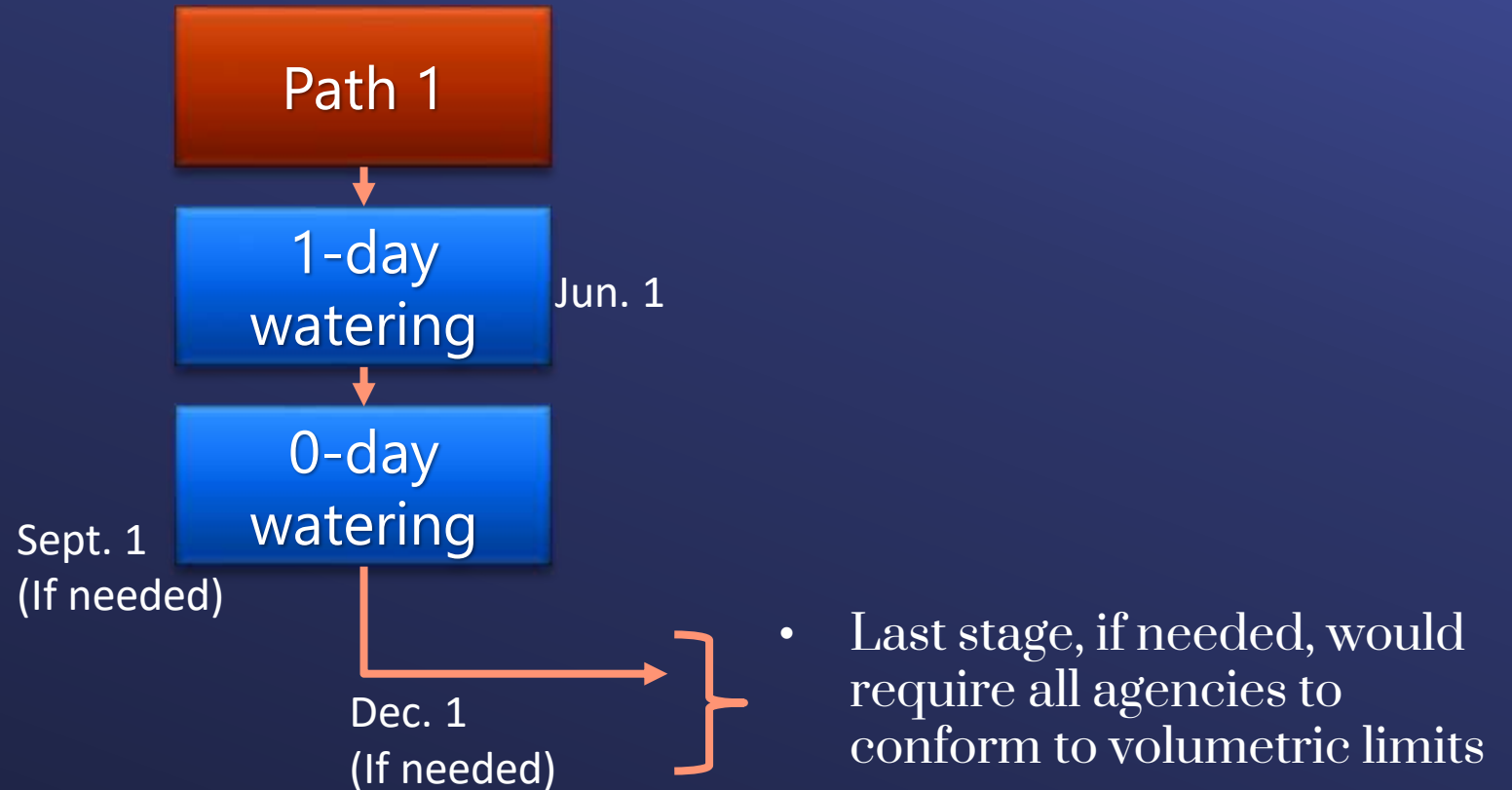


**Otherwise,
same
volumetric
penalty as
other path**

Water Shortage Emergency

Framework of Emergency Water Conservation Program

Two Paths for Compliance

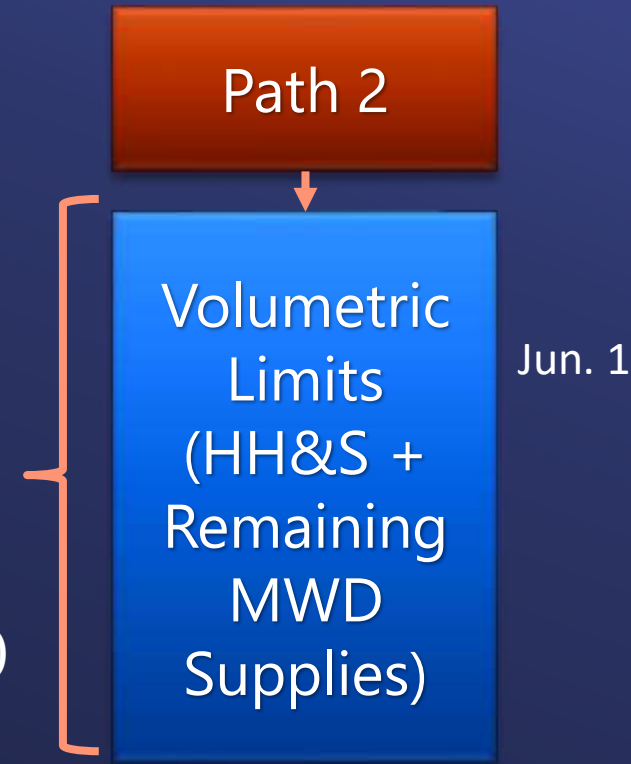


Water Shortage Emergency

Framework of Emergency Water Conservation Program

Two Paths for Compliance

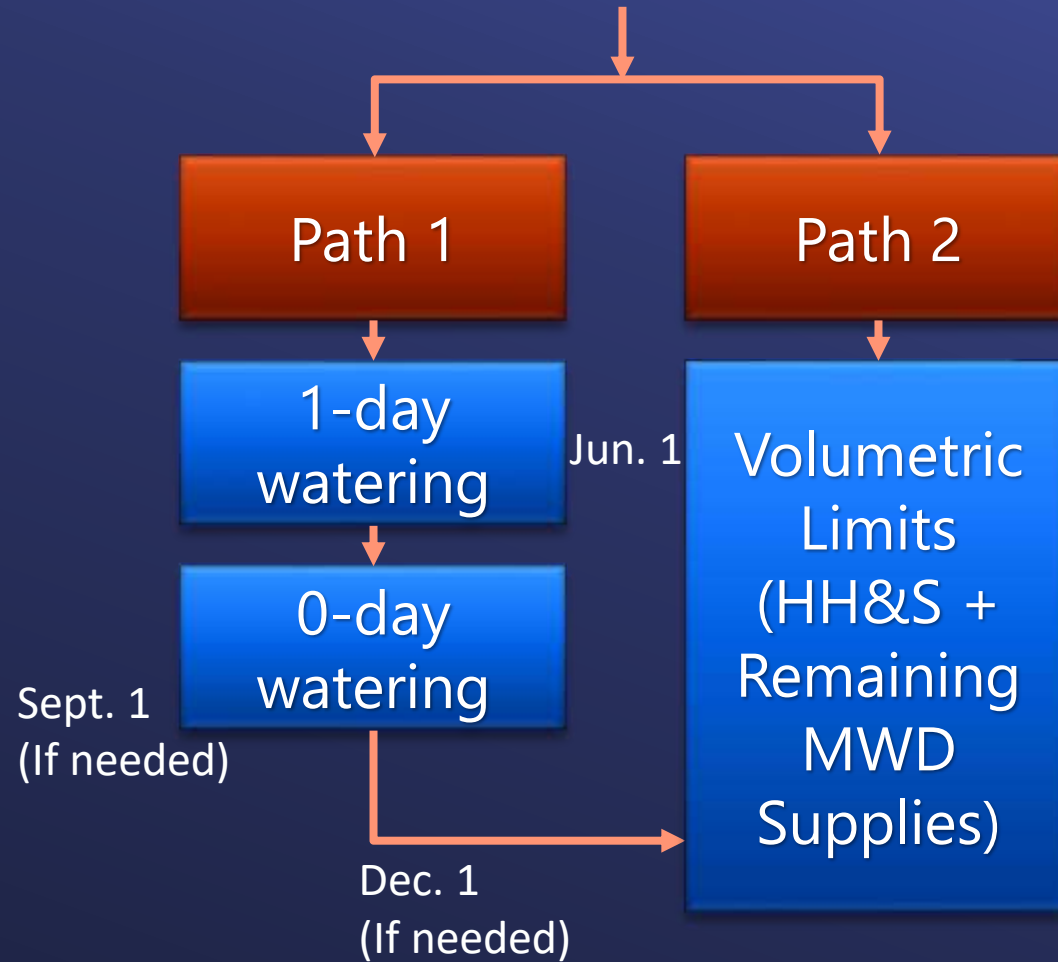
- Volume determined by HH&S need unmet by local supply + portion of remaining MWD supply
- Penalty only on monthly volume above this limit (supply from SWP system)



Water Shortage Emergency

Framework of Emergency Water Conservation Program

Two Paths for Compliance



Water Shortage Emergency

Framework of Emergency Water Conservation Program

Important Exceptions Under Path 1

- Hand watering of trees and perennials
- Drip irrigations system may operate equivalent to 1-day per week watering
- Coordination continuing for enforcement conditions and exemptions if outdoor watering is banned
- Staff will work with agencies to apply for exemptions for fire prevention/suppression

Water Shortage Emergency

Framework of Emergency Water Conservation Program

Reporting to Water Planning & Stewardship Committee

- Agencies adopting watering restrictions
- Measured performance
 - Volumetric targets
 - Per capita usage
- Supportive monitoring
 - SWRCB monthly residential conservation reporting
 - Flow-monitoring study with ~5,000 homes
 - Spatial analysis

Water Shortage Emergency

Framework of Emergency Water Conservation Program

Process and Timing

- Notifications to Board and Member Agencies
 - Change from 1-day to 0-day watering effective Sept. 1 (if needed)
 - Change to volumetric limits effective Dec. 1 (if needed)
 - Change to volumetric limits only after 0-day watering
- Minimum 30-day notice of changes

Water Shortage Emergency

Framework of Emergency Water Conservation Program

Volumetric Limits (Initial Estimate)

Agency	Affected Population	Allocation (AF/month)
Burbank	69,000	520
Calleguas	671,000	3,190
Las Virgenes	70,000	370
Los Angeles	3,766,000	21,880
San Fernando	25,000	60
IEUA	950,000	4,930
Three Valleys	69,000	520
Upper San Gabriel Valley	841,000	2,140

Water Shortage Emergency

Express
support for
Governor's
Executive
Order
(N-7-22)

Call on Affected Agencies to:

- Implement Level 2 (20%) or higher of Water Shortage Contingency Plans
- Adopt & enforce State Water Board's emergency regulations prohibiting wasteful water use
- Encourage agencies to ban watering of non-functional turf (consistent with State Water Board's developing regulations)

Water Shortage Emergency

Assistance Provided to Member Agencies

Areas of Support

- Member Agency Administered Program available for enforcement or other drought activities
- Assistance with public messaging for drought awareness and conservation
- Continued advocacy, coordination, and data sharing

Board Options

Option #1

- Adopt the Resolution and
 - Declare that a Water Shortage Emergency Condition exists in the SWP Dependent Area
 - Adopt the framework of an Emergency Water Conservation Program and authorize the General Manager to finalize the Program consistent with the framework
 - Express support for the Governor's Executive Order N-7-22.

Board Options (cont'd)

Option #2

- Modify the Resolution and the recommended actions to modify actions or penalties to conserve available water supplies for the greatest public benefit

Option #3

- Do not adopt the Resolution in **Attachment I** nor take the recommended actions

Staff
Recommendation

Option #1

