



One Water and Stewardship Committee

The 20th Anniversary of the Quantification Settlement Agreement

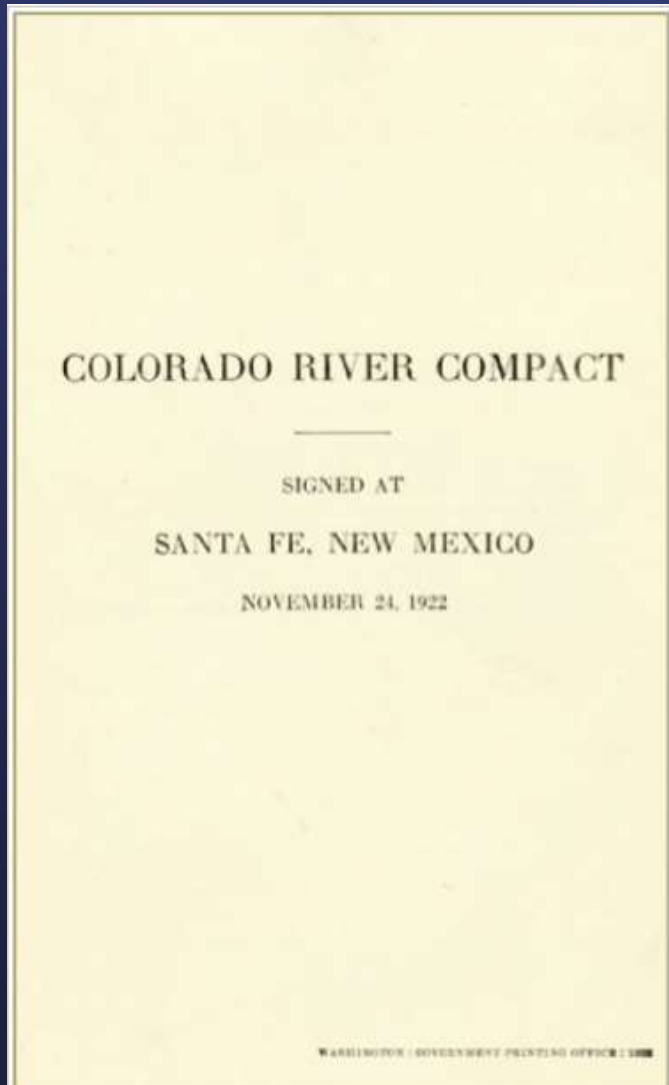
Item 6a

October 9, 2023

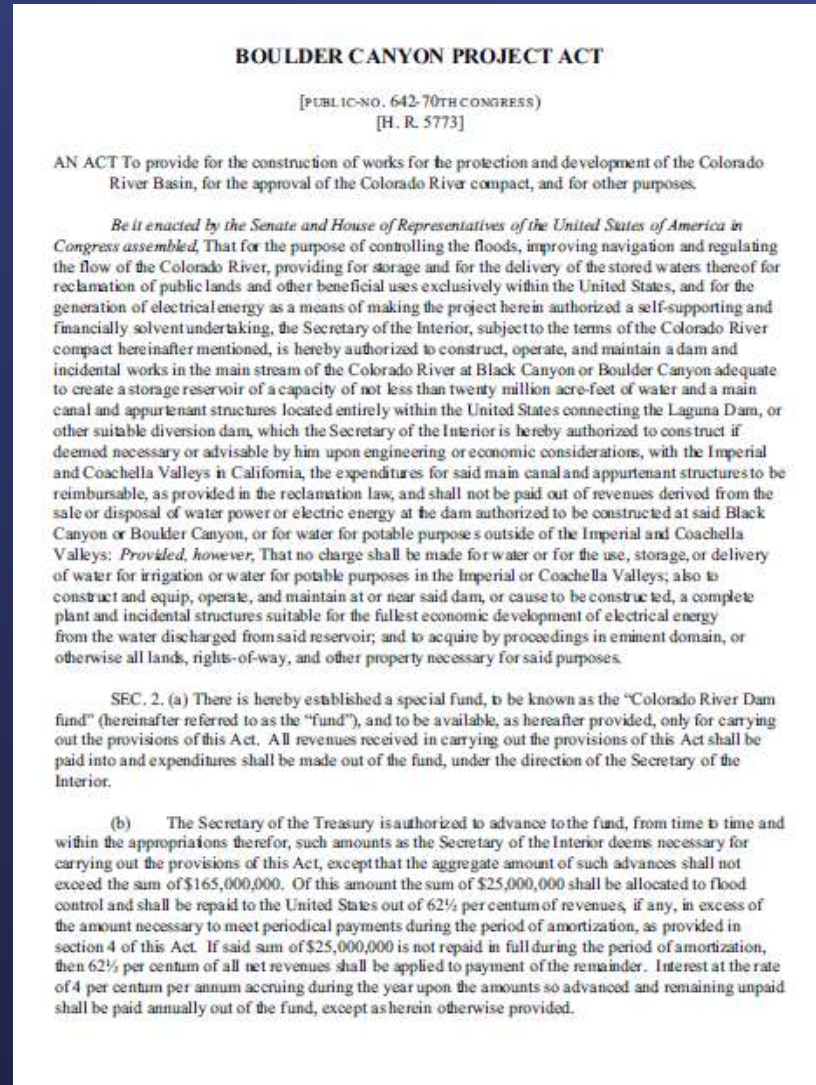
Changing Conditions Challenged the Historic Framework



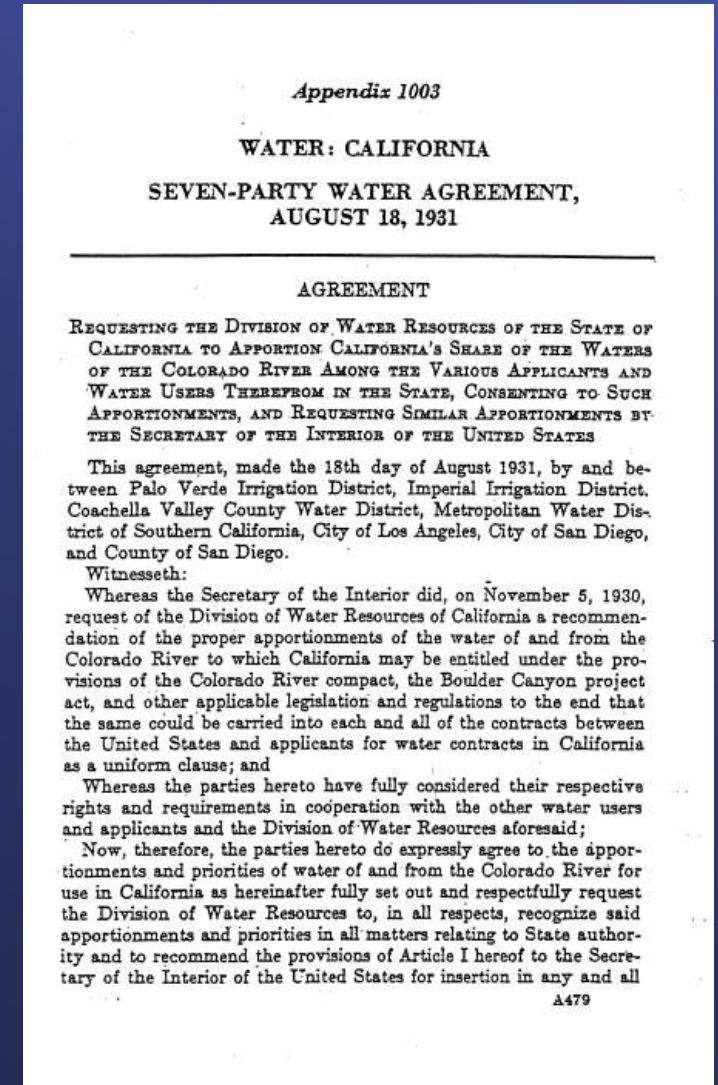
1922 Colorado River Compact



1928 Boulder Canyon Project Act



1931 Seven Party Agreement



Metropolitan is the Junior Priority User in California With Access to Surplus, But Higher Priorities Were Unquantified

California Priority System (1931)

1.	Palo Verde Irrigation District	}	3.85 MAF
2.	Yuma Project		
3.	(a) Imperial Irrigation District Coachella Valley Water District		
	(b) Palo Verde Irrigation District		
4.	Metropolitan Water District	→	0.55 MAF
<hr/>			
	Total CA Basic Apportionment		4.4 MAF
5.	Metropolitan Water District		0.662 MAF



The 1988 Imperial Irrigation District – Metropolitan Water Transfer

Many Lessons
Were Learned



- Demonstrated that transfers could help fill Colorado River Aqueduct
- Funded IID System Conservation (~105 TAFY)
- Unfortunately, MWD sometimes didn't get the benefit
- Quantification would provide greater certainty for future transfer programs

Highlights



Quantification Settlement Agreement

- All American and Coachella Canal Lining
- San Luis Rey Indian Rights Settlement
- Water Conservation, Banking and Transfers
 - IID to San Diego County Water Authority
 - IID to Coachella Valley Water District
- Mitigation of the Salton Sea
- **Quantification** of Coachella Valley Water District and Imperial Irrigation District, but not Palo Verde Irrigation District

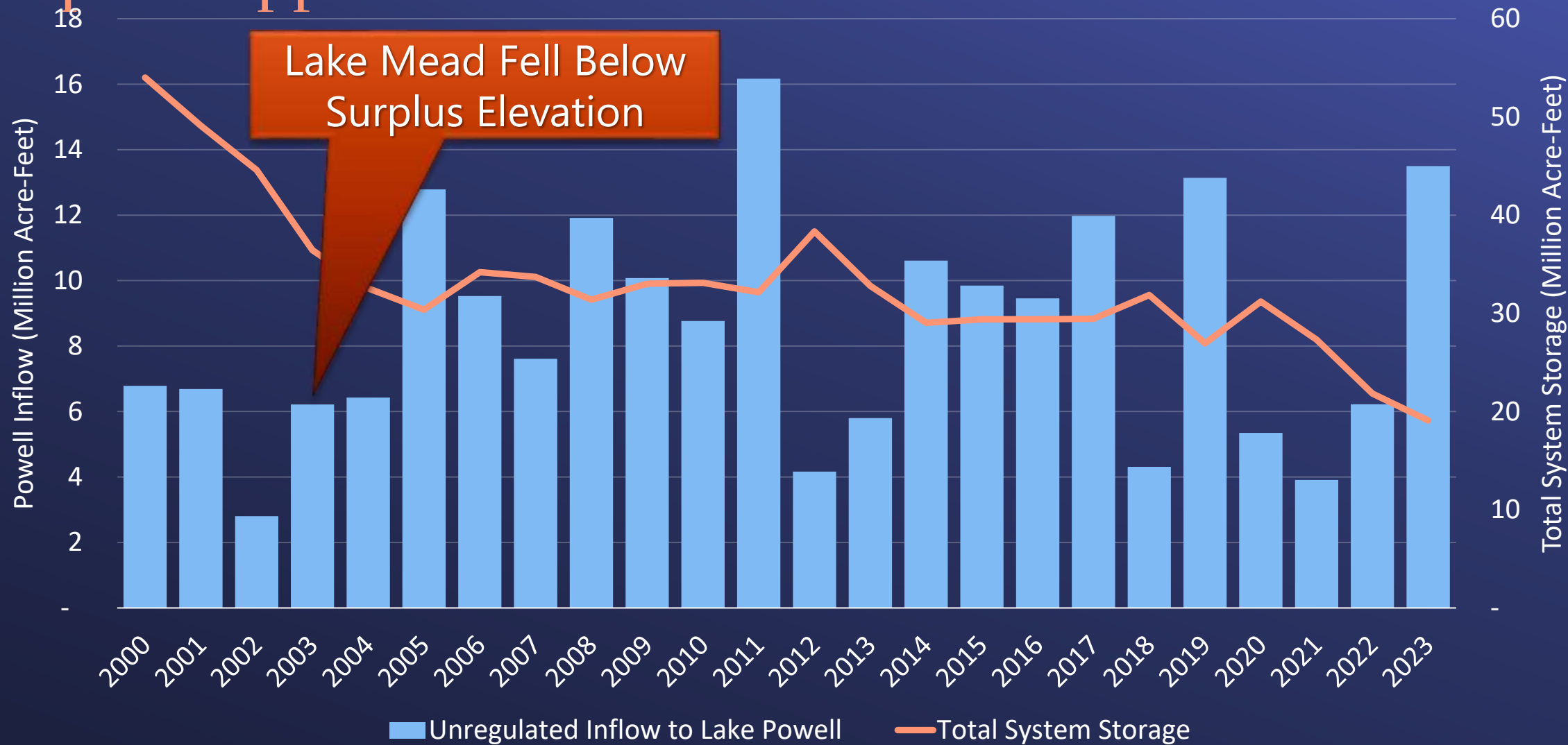


New Era of Cooperation

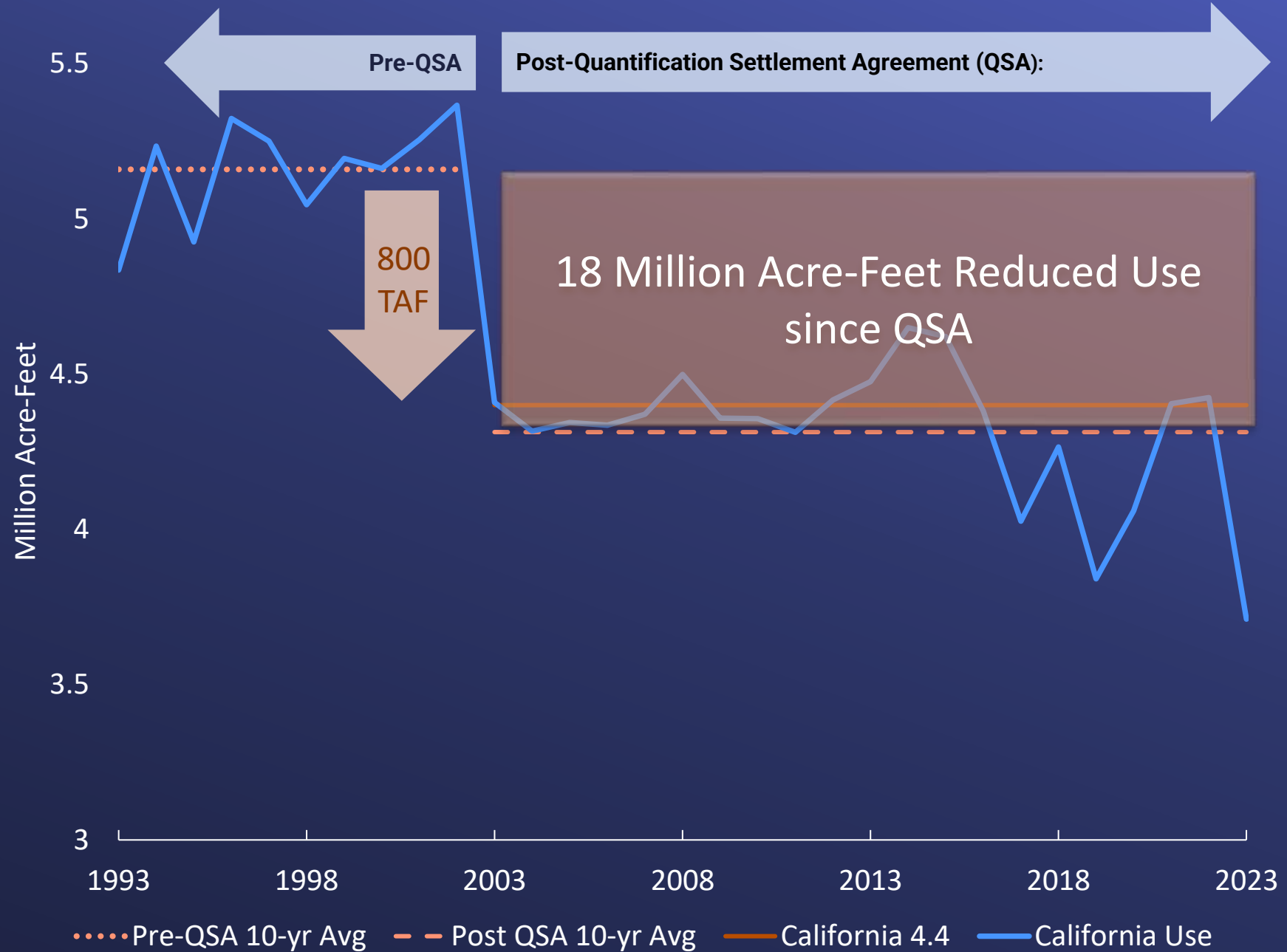


20 Years of California at 4.4 MAF

5 Years of Low Runoff Reduced System Storage Surplus Supplies Did Not Materialize



Reduced Colorado River Reliance by 800,000 AF



Continued Adaptation 2003 - 2013

2004

Water Sharing Agreement with SNWA



2005

PVID Following Program
Quechan Settlement Agreement/Forbearance

2007

Storage in Lake Mead
Lower Colorado Water Supply Project



2008

Brock Reservoir
(MWD funds system efficiency)



2010

Yuma Desalting Plant
Pilot run
(MWD funds system efficiency)



2012

Minute 319
(MWD funds conservation in Mexico)

Continued Adaptation 2014 - 2023

2014

Implementation of Water Sharing Agreement with IID

2017

Minute 323
(MWD funds conservation in Mexico)



2022

Quechan Seasonal Following Pilot



2016

Bard Seasonal Following Pilot

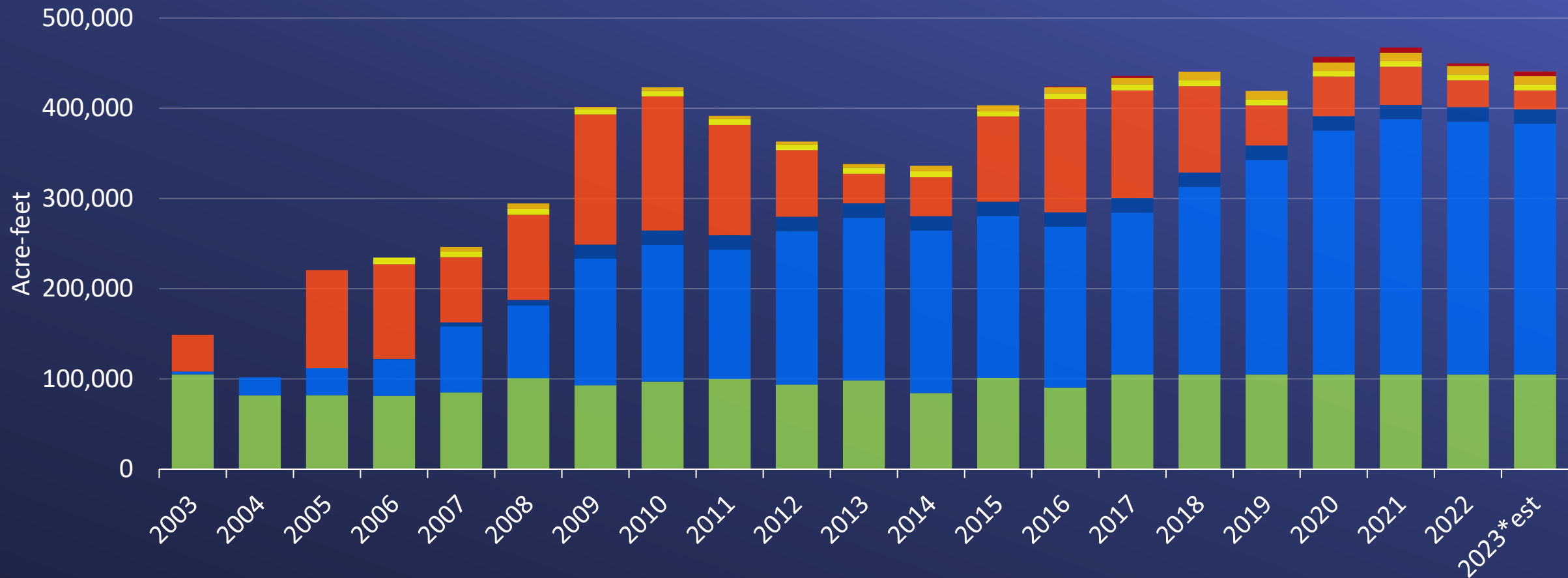


2019

Drought Contingency Plan
(guaranteed access to storage)
at lower Lake Mead elevations)



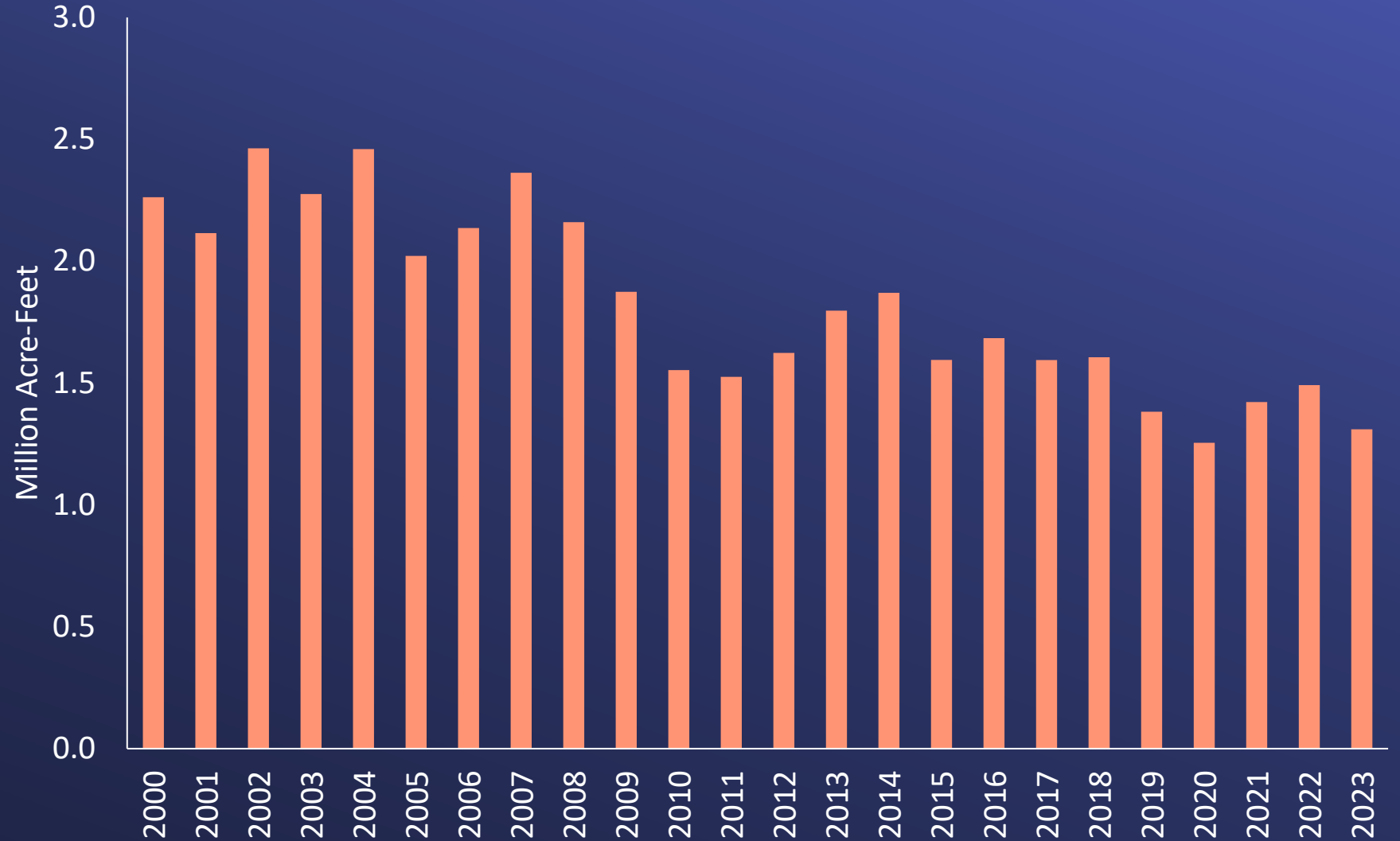
Rebuilding A Base of Supplies Through Programs



- Quechan Seasonal Fallowing Program
- Lower Colorado Water Supply Project
- PVID/MWD Forbearance and Fallowing Program
- SDCWA Exchange Supplies (IID Transfer and Canal Lining Projects)
- Bard Seasonal Fallowing Program
- Quechan Diversion Forbearance
- Canal Lining Projects (MWD Exchange with USBR)
- IID/MWD Water Conservation Program

Metropolitan
Has Worked
to Reduce
Demand for
Imports

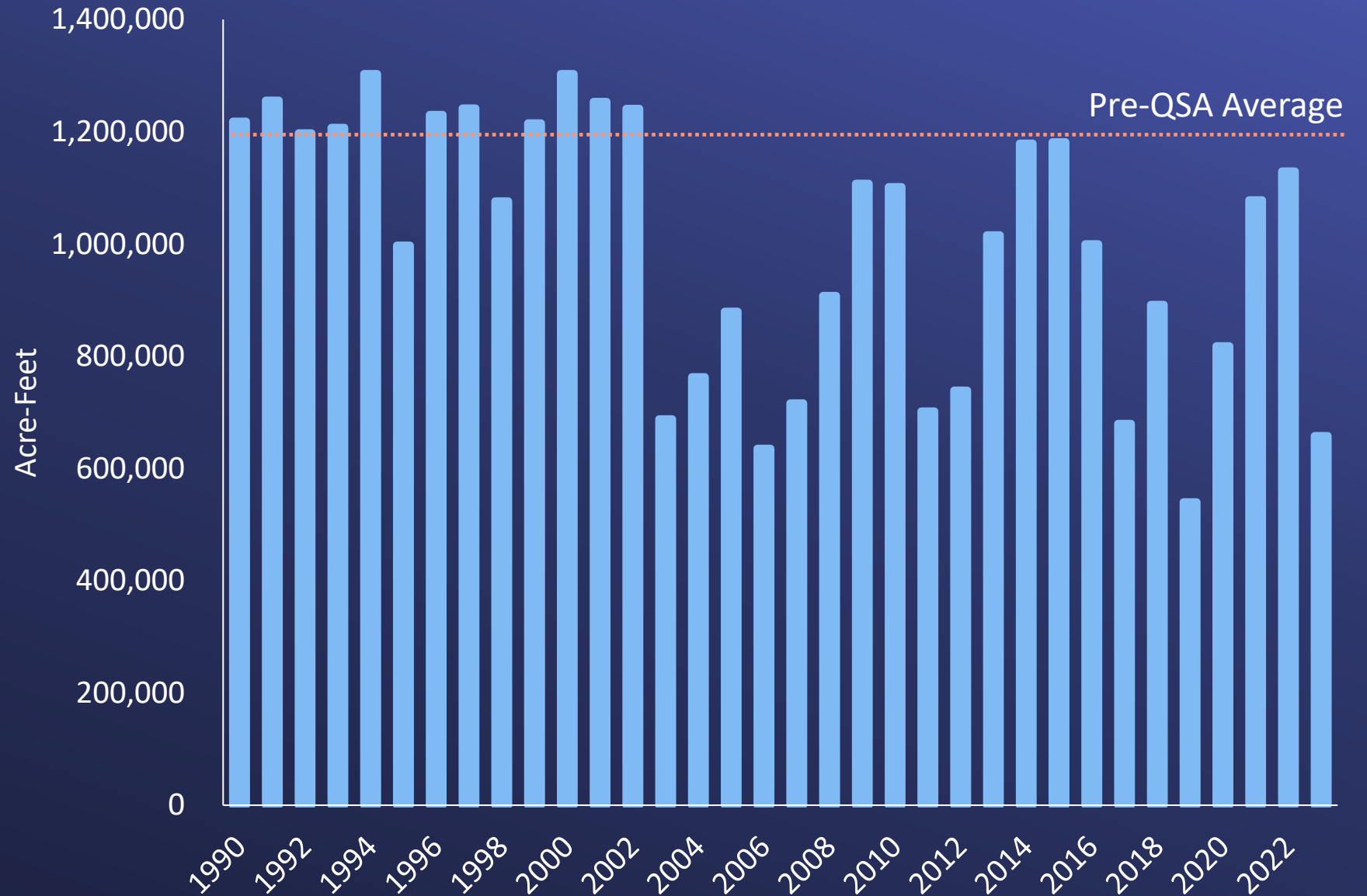
Metropolitan Fiscal Year Sales



Full Aqueduct When Needed



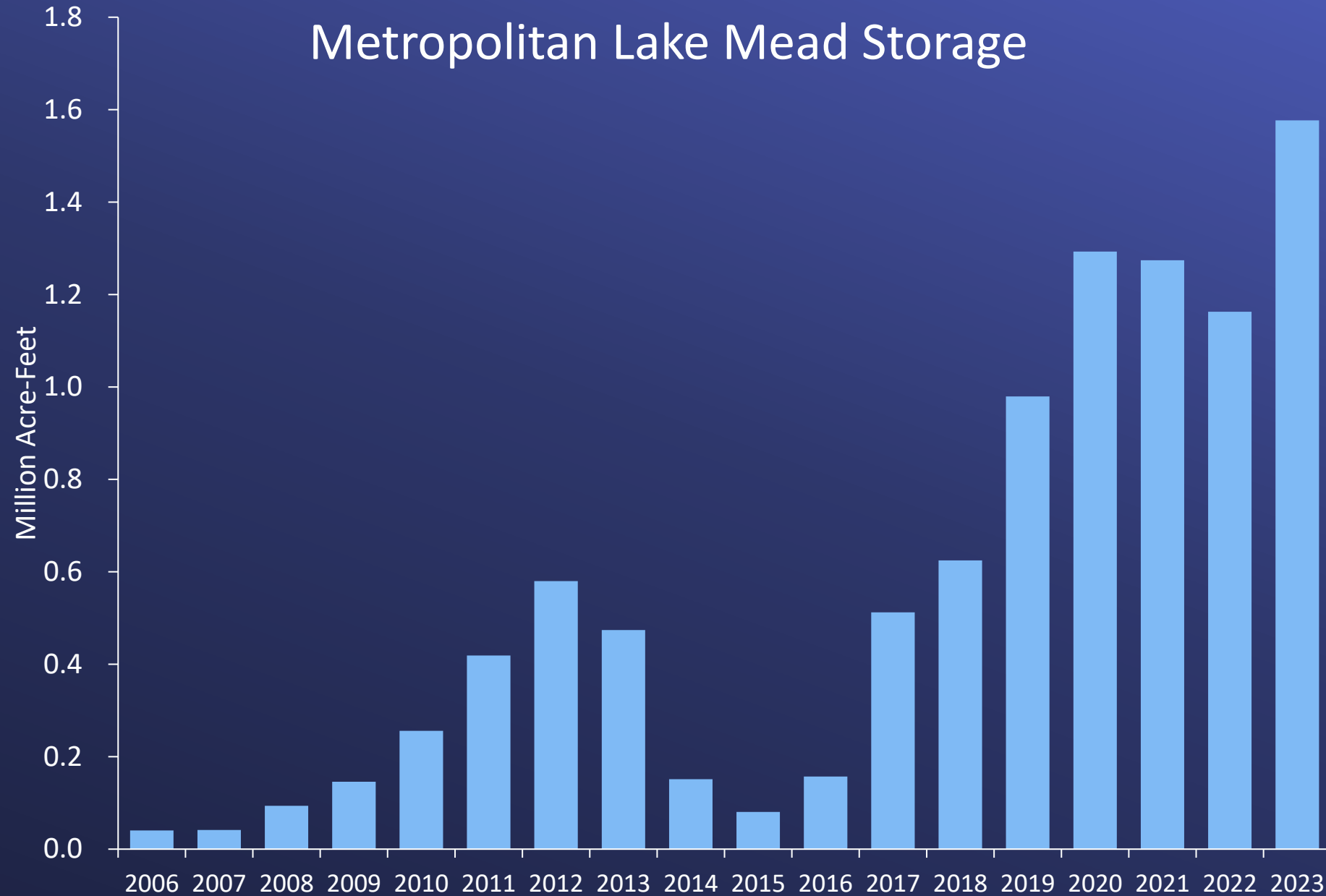
Colorado River Aqueduct Flows



Lake Mead Storage Put a lot Take a Little



Metropolitan Lake Mead Storage



Summary of Living without Surplus

- California permanently reduced its use of Colorado River water by 800,000 acre-feet per year
- QSA allowed programs to be developed that augment our Colorado River Supplies
- With storage in Lake Mead, we can fill the aqueduct when needed
- A framework others can learn from

California
continues to
live within its
4.4 million
acre-feet per
year



