



Water Management Representatives Meeting

September 3, 2026

BAWSCA
Bay Area Water Supply & Conservation Agency

A multi-county agency authorized to plan for and acquire supplemental water supplies, to encourage water conservation and use of recycled water on a regional basis.

BAWSCA Act, AB 2058 Louis Papan-2002

Agenda Item #1

Call To Order



SFPUC Report



Water Supply Conditions Update

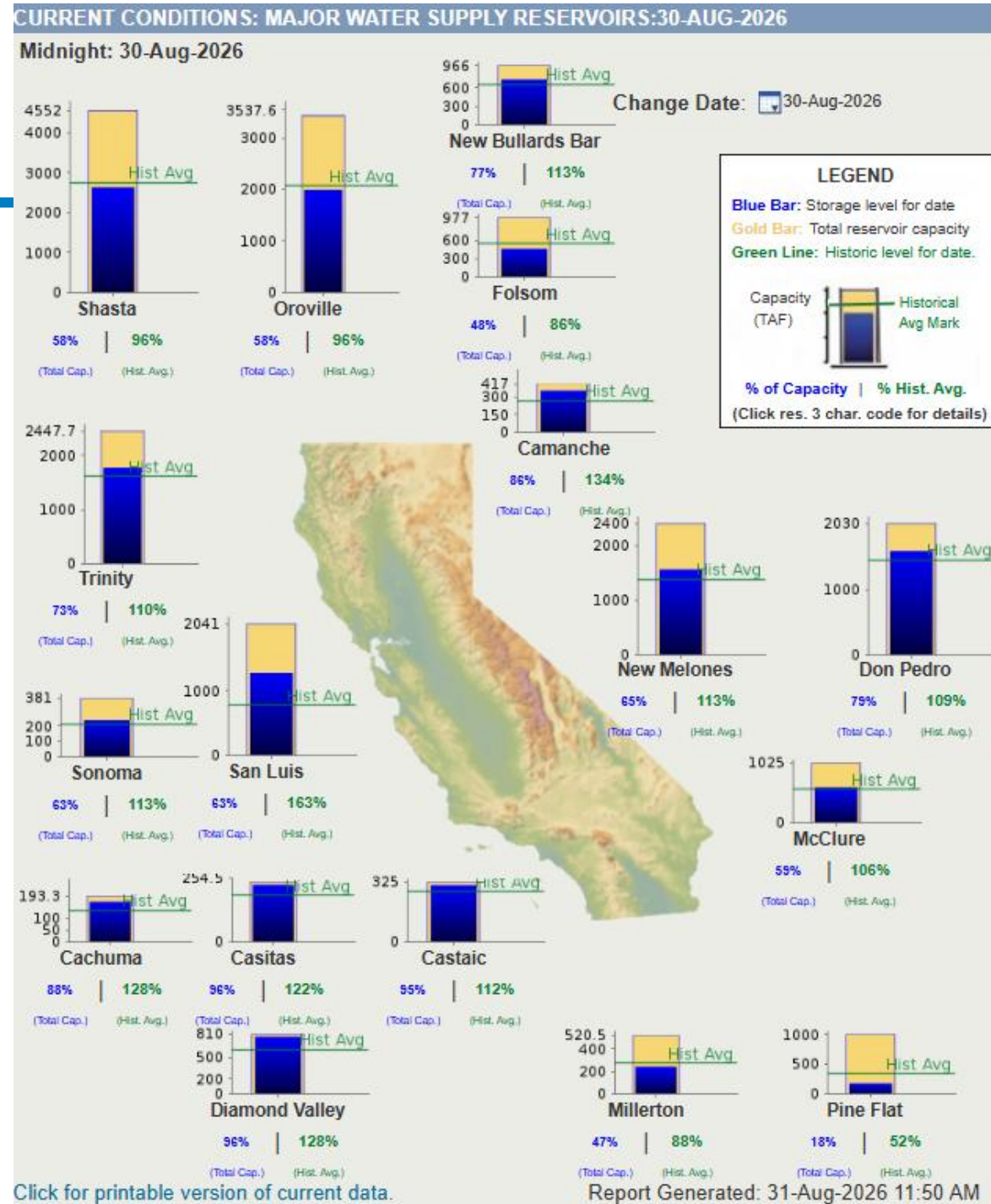
September 3, 2026

Current Reservoir Storage

Storage as of: 31-Aug-2026

Reservoir	Current Storage ^{1,2,3} (AF)	Maximum Storage ⁴ (AF)	Available Capacity (AF)	Percent of Maximum Storage	Normal Percent of Maximum Storage ⁵
<u>Tuolumne System</u>					
Hetch Hetchy	311,900	360,360	48,460	86.6%	87.7%
Cherry	240,000	273,345	33,345	87.8%	-
Eleanor	20,910	27,100	6,190	77.2%	-
Water Bank	570,000	570,000	0	100.0%	100.0%
Total Tuolumne Storage	1,142,810	1,230,805	87,995	92.9%	-
<u>Local System</u>					
Calaveras	55,142	96,670	41,528	57.0%	-
San Antonio	43,084	53,266	10,182	80.9%	-
Crystal Springs	41,307	68,953	27,646	59.9%	-
San Andreas	16,025	18,675	2,650	85.8%	-
Pilarcitos	1,815	3,125	1,310	58.1%	-
Total Local Storage	157,373	240,689	83,316	65.4%	-
Total System Storage	1,300,183	1,471,494	171,311	88.4%	84.0%
Total without water bank	730,183	901,494	171,311	81.0%	-

Other California Reservoirs



California Drought Monitor

Map released: Thurs. August 27, 2026

Data valid: August 25, 2026 at 8 a.m. EDT

Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

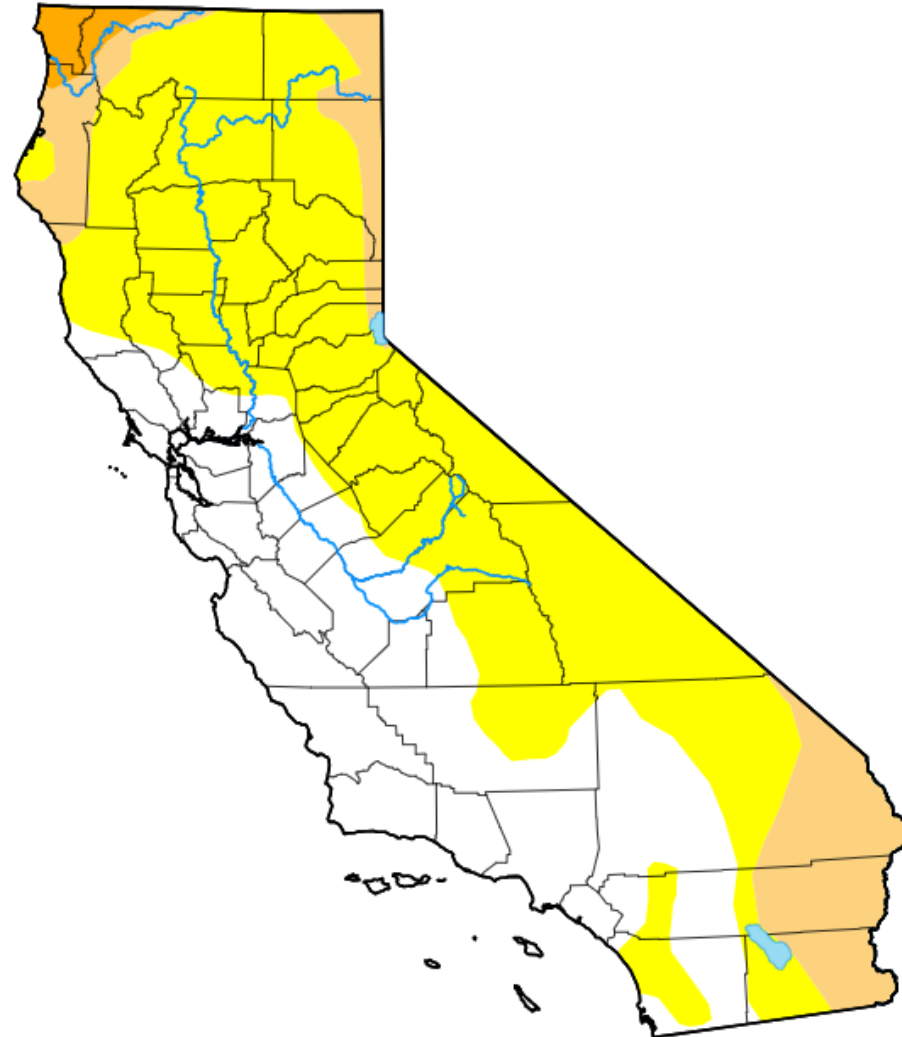
Authors

United States and Puerto Rico Author(s):

[Adam Allgood](#), NOAA/NWS/NCEP/CPC

Pacific Islands and Virgin Islands Author(s):

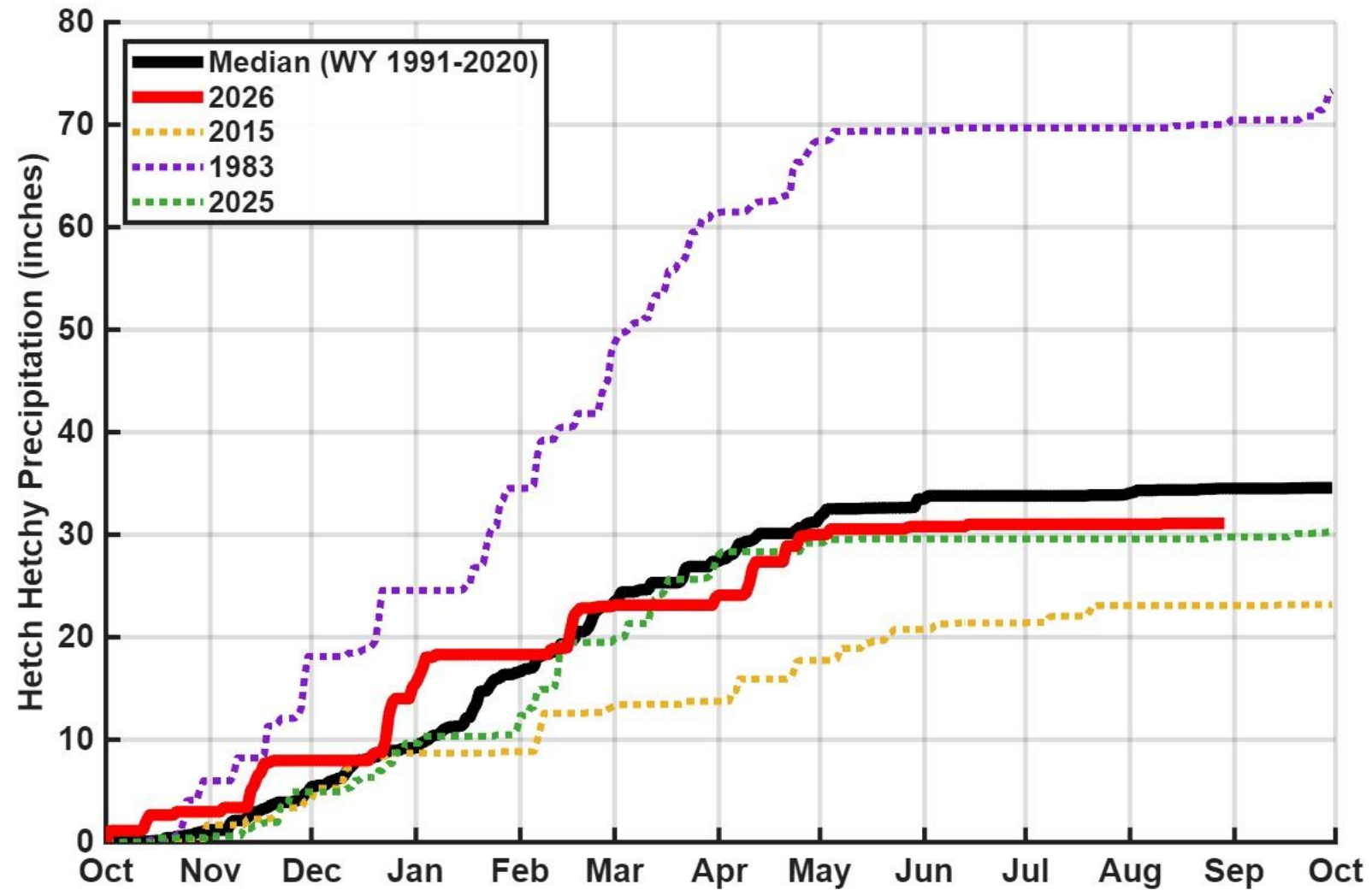
[Curtis Riganti](#), National Drought Mitigation Center



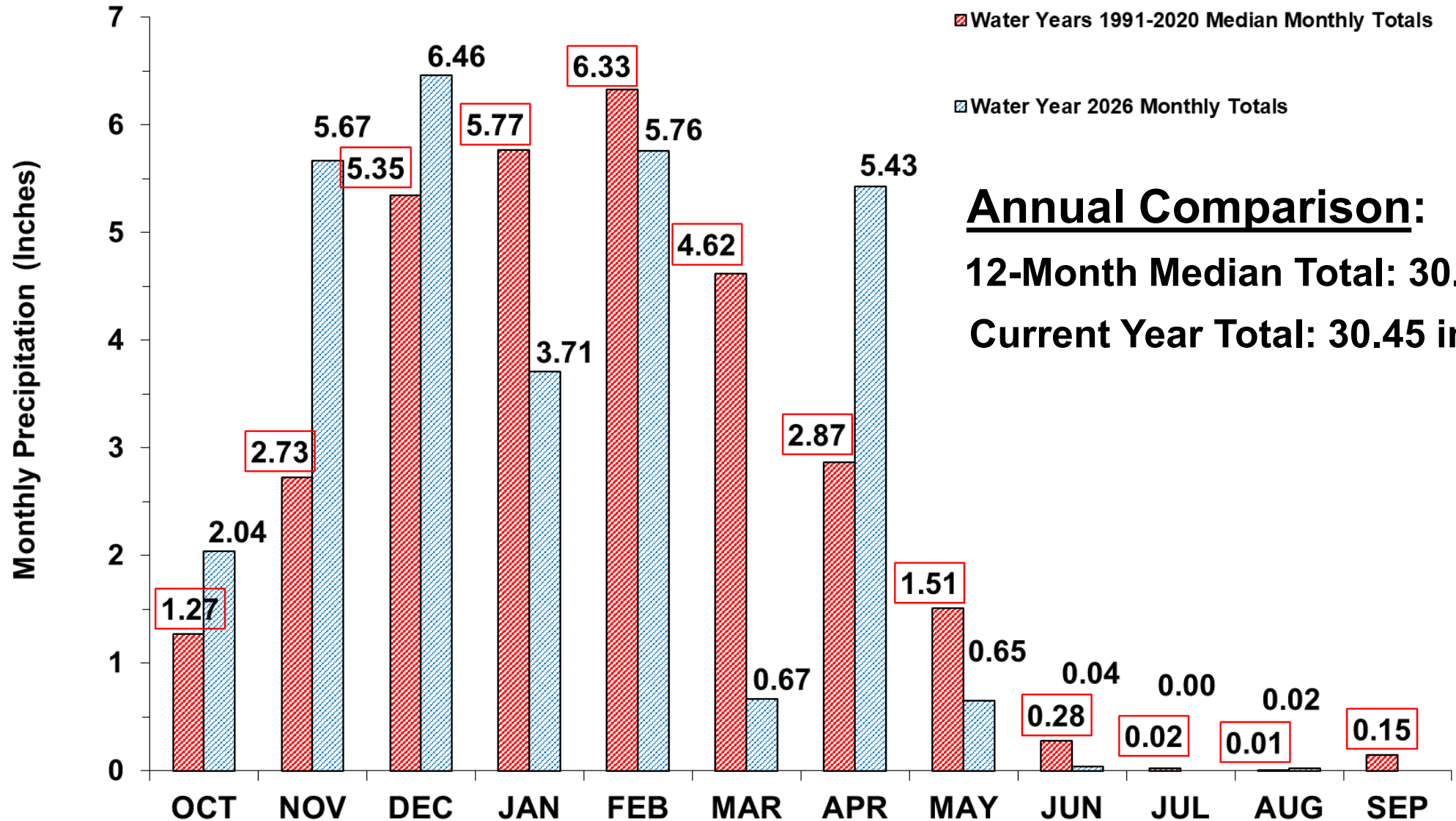
Color scale is based on the historical average of combination of data including rainfall and snow soil moisture levels, reservoir storage, streamflow and other data:

- >30% of historical average
- 20-30% of historical average
- 10-20% of historical average
- 5-10% of historical average
- 2-5% of historical average
- <2% of historical average

Hetch Hetchy Precipitation



Upcountry 6-station Precipitation Index as of August 30, 2026

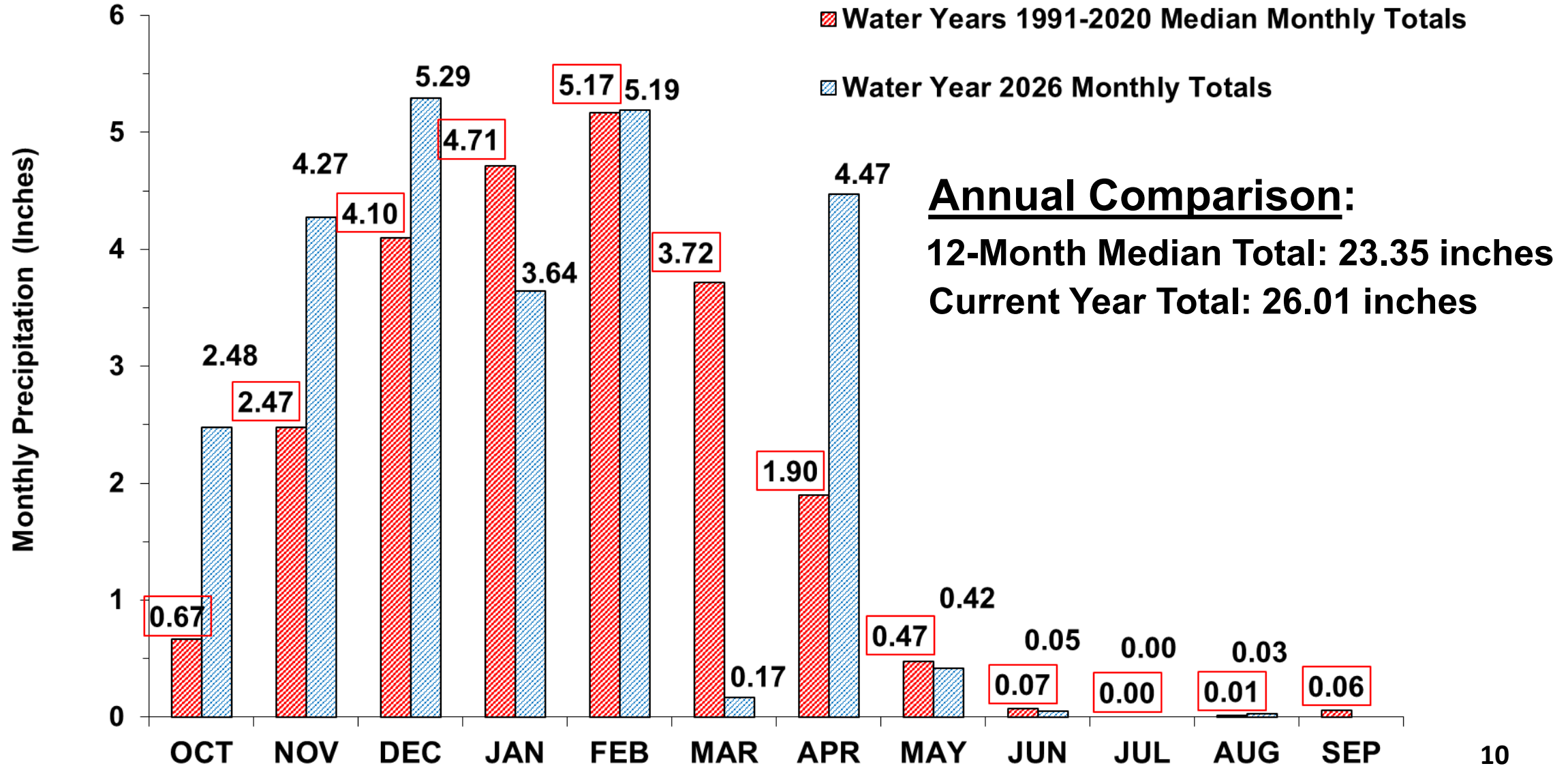


Annual Comparison:

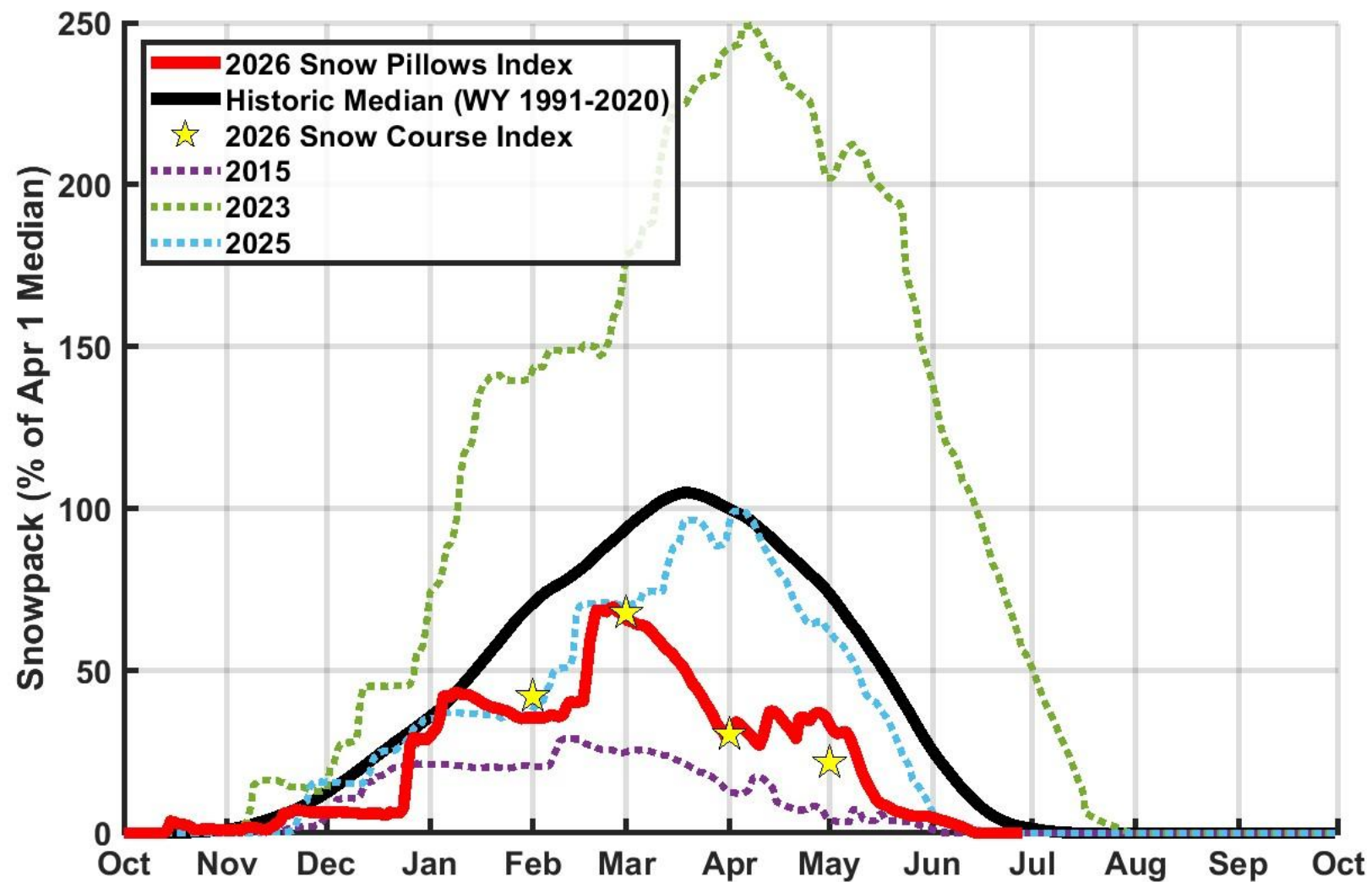
12-Month Median Total: 30.92 inches

Current Year Total: 30.45 inches

Bay Area 7-station Precipitation Index as of August 30, 2026

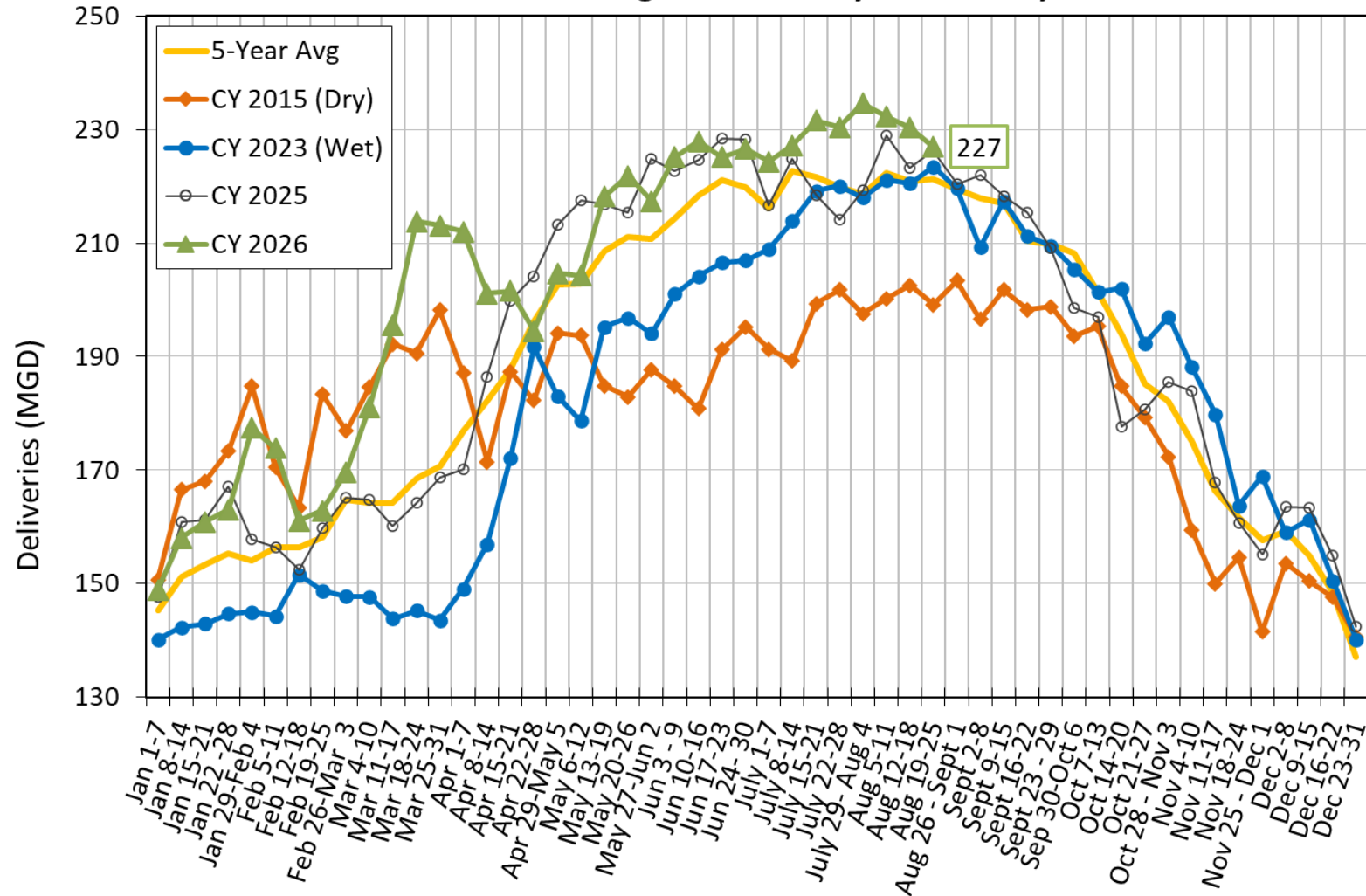


Upcountry Snowpack



Total Deliveries

Regional Water System Total Deliveries
Source: SFPUC Regional Water System County Meters



Agenda Item #3

Strategy 2050



BAWSCA 2050 LONG-TERM RELIABLE WATER SUPPLY STRATEGY

PORTFOLIO MODELING RESULTS

Water Management Representatives Meeting

3 September 2026

AGENDA

1. Welcome and Introductions
2. Portfolio Evaluation Overview
3. Portfolio Modeling Results
 1. Background
 2. Refresh on Baseline Results
 3. Draft Portfolio Analysis
4. Discussion and Next Steps

GOALS FOR TODAY'S PRESENTATION

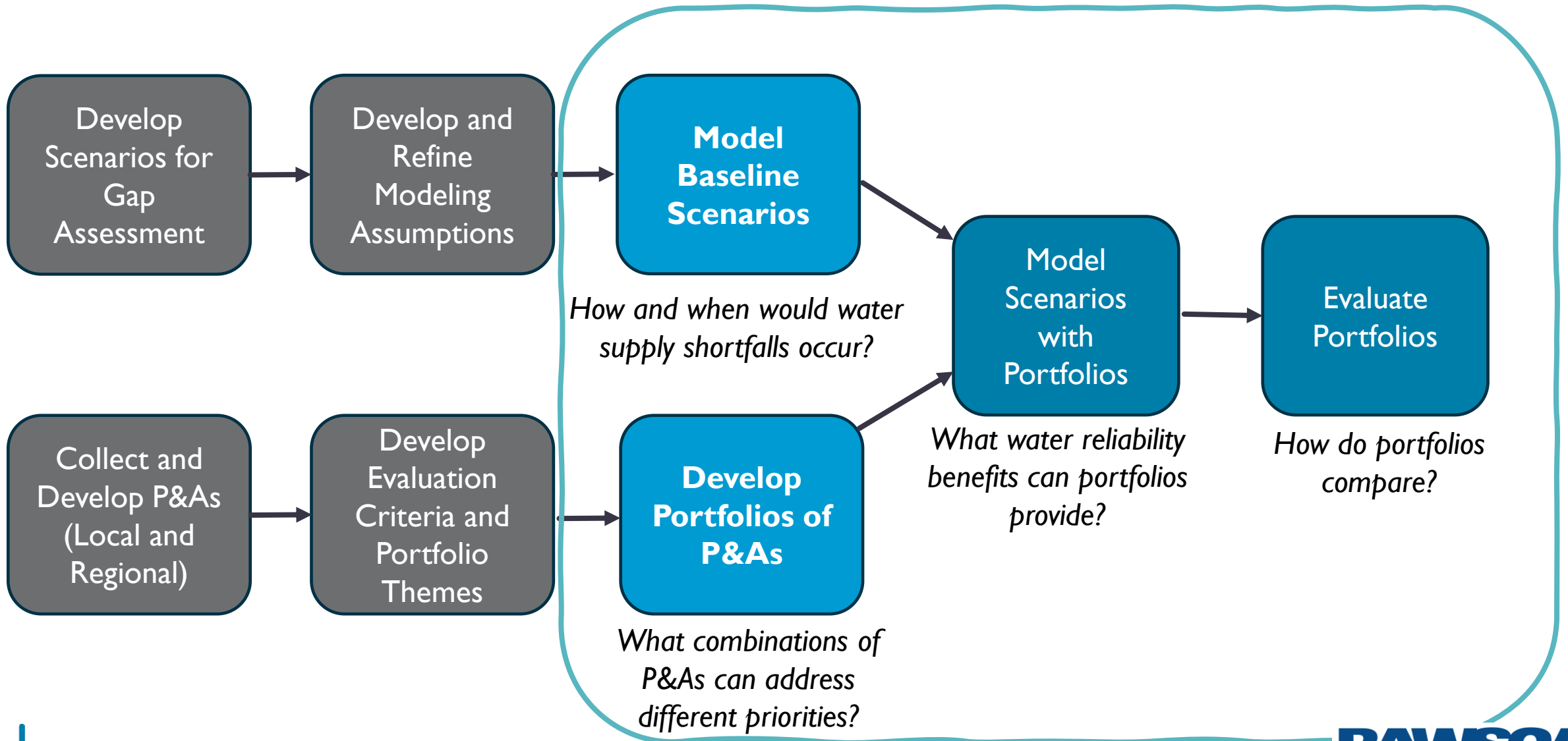
- Share the results and findings related to the portfolio modeling for the BAWSCA region to inform Strategy 2050 decisions.
- Seek input from WMRs on evaluation of the tradeoffs between the portfolios.

GAP ASSESSMENT AND PORTFOLIO EVALUATION

Purpose

- Understand how, when, and under what conditions water shortages could occur in the BAWSCA region over the planning horizon (2025 – 2050).
- Develop and compare benefits of different groupings of projects and actions, including water reliability and other monetary and non-monetary benefits.
- Inform future planning and investment decisions as part of Strategy 2050.

GAP ASSESSMENT AND PORTFOLIO EVALUATION



PORTFOLIO THEMES

- Portfolios combine local and regional P&As around specific themes to test strategic objectives - not to identify a single “best” list of projects.
- A project may appear in more than one portfolio if it supports multiple objectives.

1. High Dry-Year Reliability

Focuses on P&As that improve water supply reliability during dry years and are climate resilient.

2. Low Institutional Complexity

Focuses on P&As with low levels of institutional complexity that can be brought online quickly relative to other P&As.

3. Environmental and Community Co-Benefits

Focuses on P&As that also have environmental and community co-benefits.

4. All Local Projects

Includes all local P&As only.

PORTFOLIO DEVELOPMENT

	P&A	1. High Dry-year Reliability	2: Low Institutional Complexity	3. Environmental & Community Co-Benefits	4: All Local Projects
Local	1. New or Replacement Wells	X	X		X
	2. Recycled water for non-potable use		X		X
	3. Recycled or purified water for recharge			X	X
	4. Purified water for direct potable reuse	X			
	5. Stormwater capture			X	X
	6. Conservation/water use efficiency	X	X	X	X
	7. Groundwater treatment				
	8. surface water rights				X
	9. Gray water collection			X	X
	10. Emergency connections or interties	X			X
Regional Projects	1. Regional Stormwater Project			X	
	2. Satellite Facilities for Distributed Reuse	X			
	3. Technical Assistance Program for Onsite Reuse		X	X	
	4. San Joaquin Groundwater Banking and Transfer	X		X	
	5. Public/Private Partnership for Groundwater Banking	X			
	6. Regional Groundwater Management and CUP	X			
	7. Desalination Pilot Project	X			
	8. Bay Desalination	X			
	9. Fog Collection Subscription Program			X	
	10. "Net Zero" Program			X	
	11. Intertie Development and Optimization	X			
	12. Debt Financing for Distributed Infrastructure			X	

PORTFOLIO COMPOSITION

1. High Dry-Year Reliability

Largest reliability gains (magnitude, frequency, duration); driven by desalination projects

4

Local

7

Regional

11

Total

2. Low Institutional Complexity

Fewest projects overall; simpler to implement; meaningful but incremental benefits

3

Local

1

Regional

4

Total

3. Environmental & Community Co-Benefits

Emphasizes environmental/community projects; lowest efficacy in reducing shortages

4

Local

6

Regional

10

Total

4. All Local Projects

Local supply projects only, no regional projects; meaningful but incremental benefits

8

Local

0

Regional

8

Total

RISK ASSESSMENT SUPPLY AND DEMAND SCENARIOS

High Supply Availability			
Stable Development	Scenario B	Scenario A	Greater Development
	Tests stable development demand under favorable supply conditions	Tests the effect of elevated demand when supply conditions are favorable	
Low Supply Availability	Scenario C	Scenario D	
	Tests the effect of constrained supply conditions at stable development levels of demand	Tests the combined effects of constrained supply availability and elevated demand	

Each portfolio was modeled in the RRM against these four scenarios to assess water supply reliability benefits.

Portfolio Analysis Framing and Background

Refresh on Baseline Gap Assessment

- Use BAWSCA's Regional Reliability Model to:
 - Test a range of plausible future conditions
 - Identify credible range of regional shortages occur (*not predictions*)
 - Understand drivers of risk to inform planning decisions

Portfolio Analysis using the Reliability Model

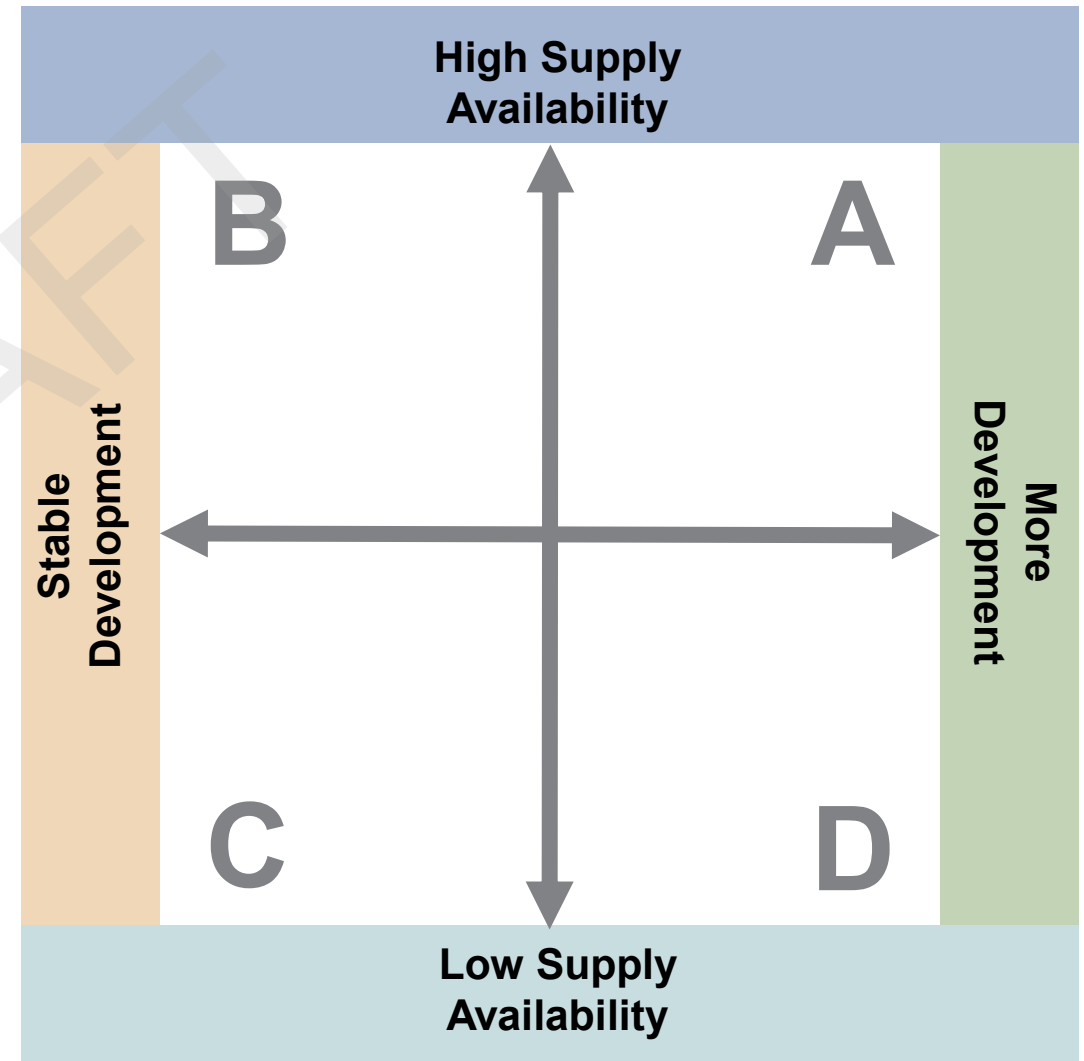
- Assess portfolio-level supply reliability benefits to region
- Identify potential constraints on water delivery
- Identify opportunities for operations optimization and/or revisions to project concepts
- Inform regional planning implications on timing and next steps for P & A's



Refresh: BAWSCA Strategy 2050 Scenario Matrix

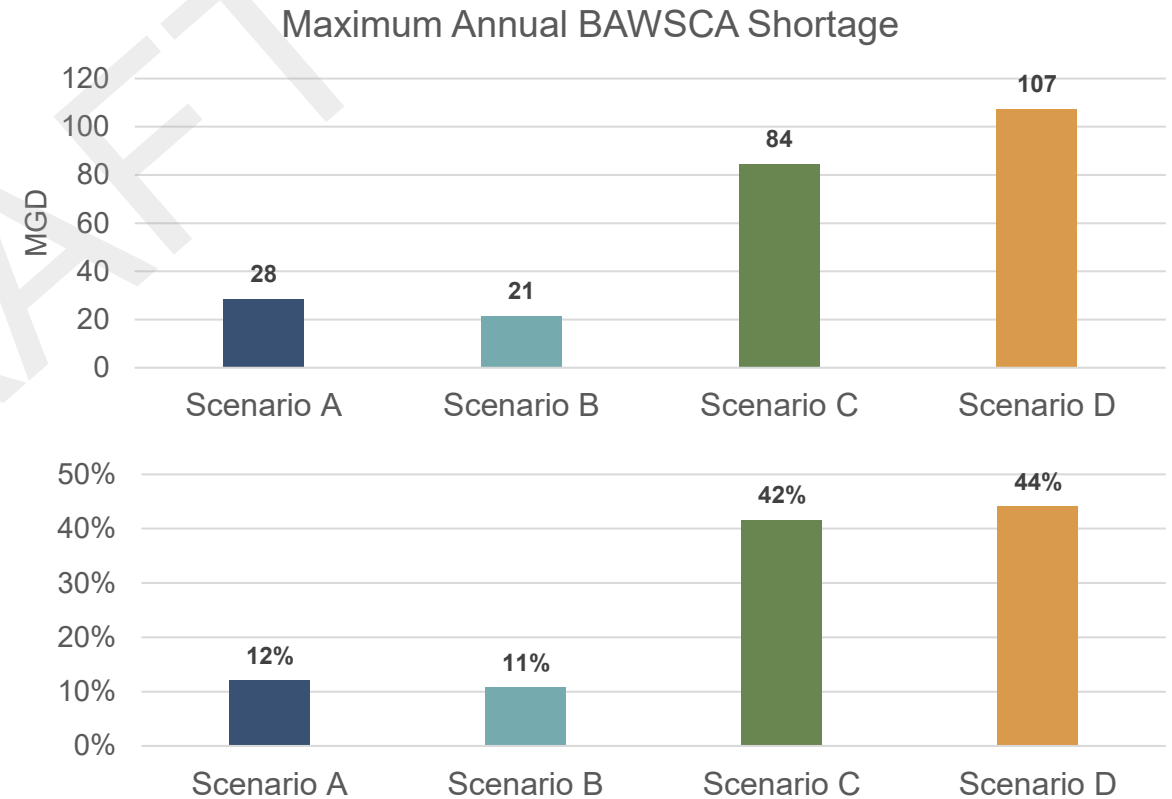
- Scenario Matrix developed in collaboration with BAWSCA member agency representatives
- Use BAWSCA's regional model (RiverWare) to model supply availability and potential shortages between 2025-2050

Purpose is to test reliability across a wide range of plausible – NOT predictive – futures



Findings from Baseline Gap Assessment

- HRL assumptions appear to have limited impact on overall system reliability
 - Shortages 20% or less over 2025-2050 planning period, even as demand increases
- Scenarios combining BDP with high demand show notably increased reliability concerns
 - Volumetric shortages ~50%, increased frequency of shortages
 - Local / other regional supplies are important in reducing shortages on the PUC system
 - Agencies that are 100% SFPUC reliant most impacted
- Largest shortages result from intersection between multi-year drought and highly regulated in-stream flow requirements
 - Projected demand influences overall magnitude, but shortages > 20% possible within next 5-10 years under BDP regulations

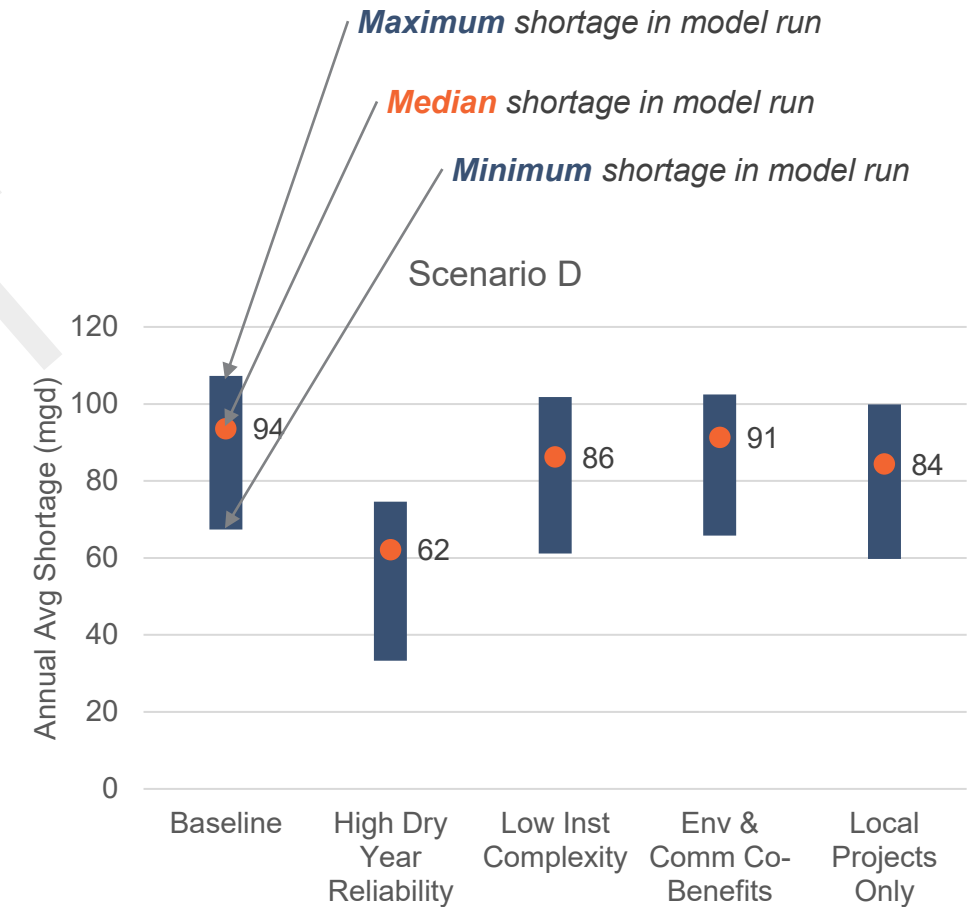


Growth and climate change matter, but regulatory uncertainty is the biggest driver of whether the region ends up with a mild or severe reliability problem.

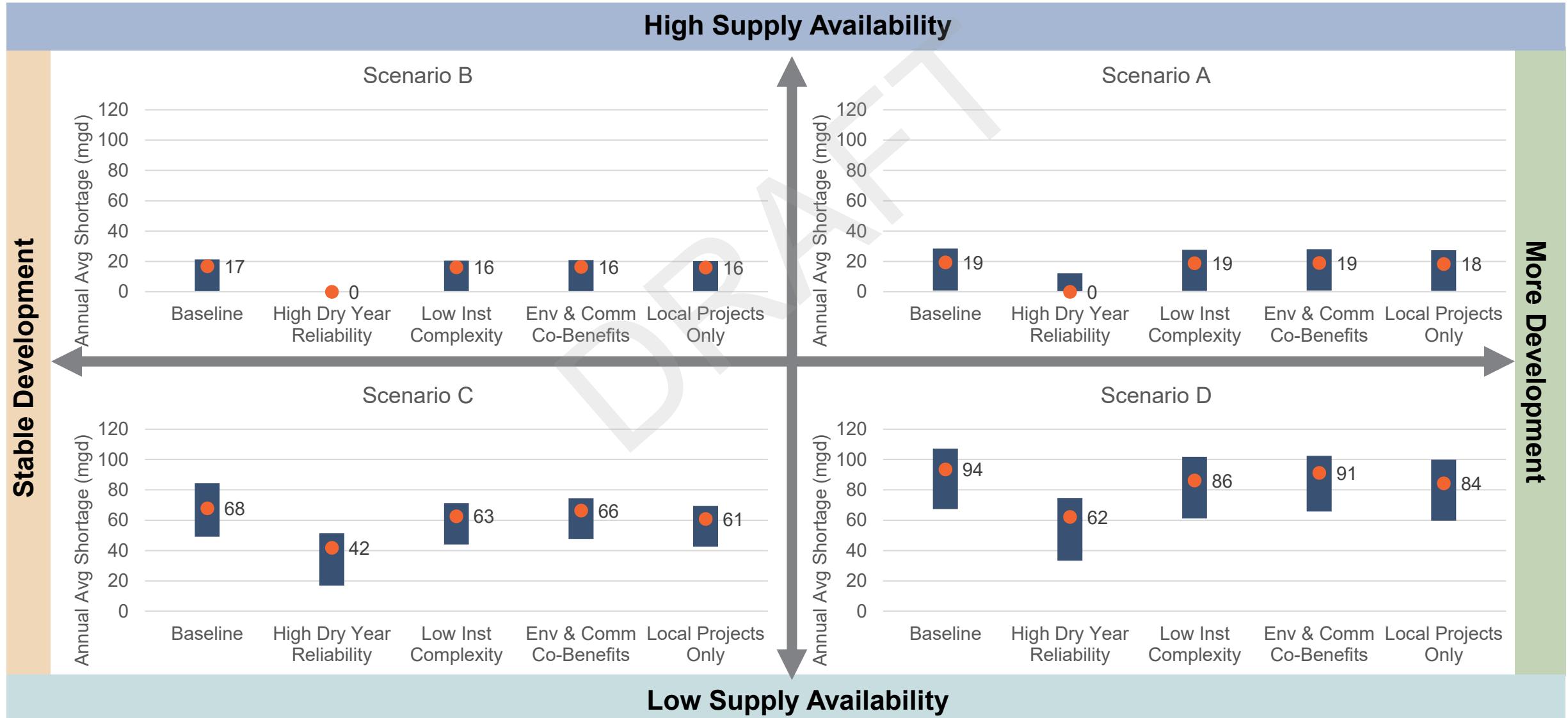
Performance Metrics

Metric	What it Measures
Annual Shortage Volume (MGD)	Annual average magnitude of BAWSCA shortages
Shortage Frequency	How often BAWSCA shortages occur over 24 fiscal year planning period
Frequency of Shortages >20 MGD	How often BAWSCA shortages greater than 20 mgd occur over 24 fiscal year planning period
Maximum Shortage Duration (Years)	Longest continuous drought-related shortage period
Total Cumulative Shortage Volume	Total shortage experienced over the planning period

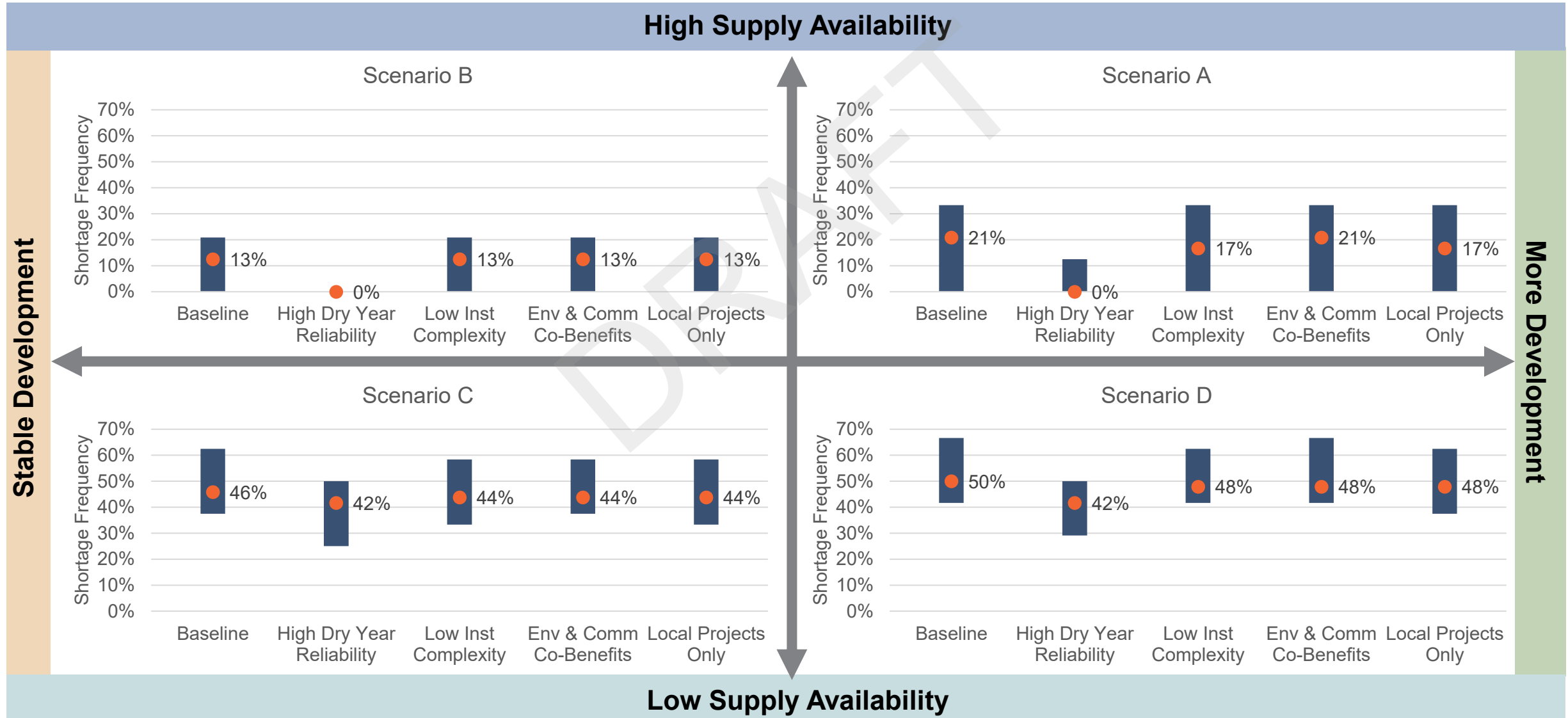
- Results reflect performance across a range of plausible climate-adjusted weather futures
- Should not be interpreted as predictions; use to assess reliability across a wide range of potential future weather outcomes



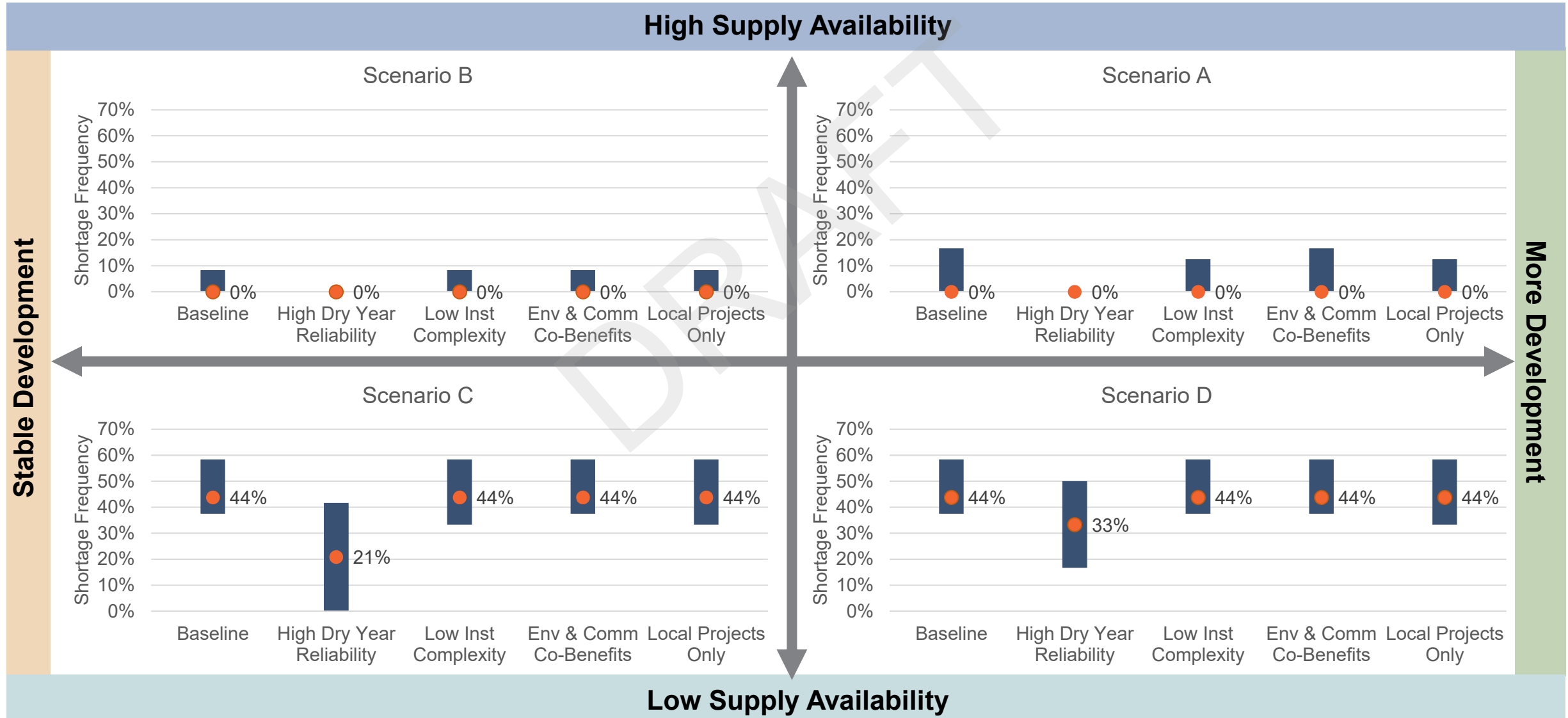
Annual Shortage Volume (mgd)



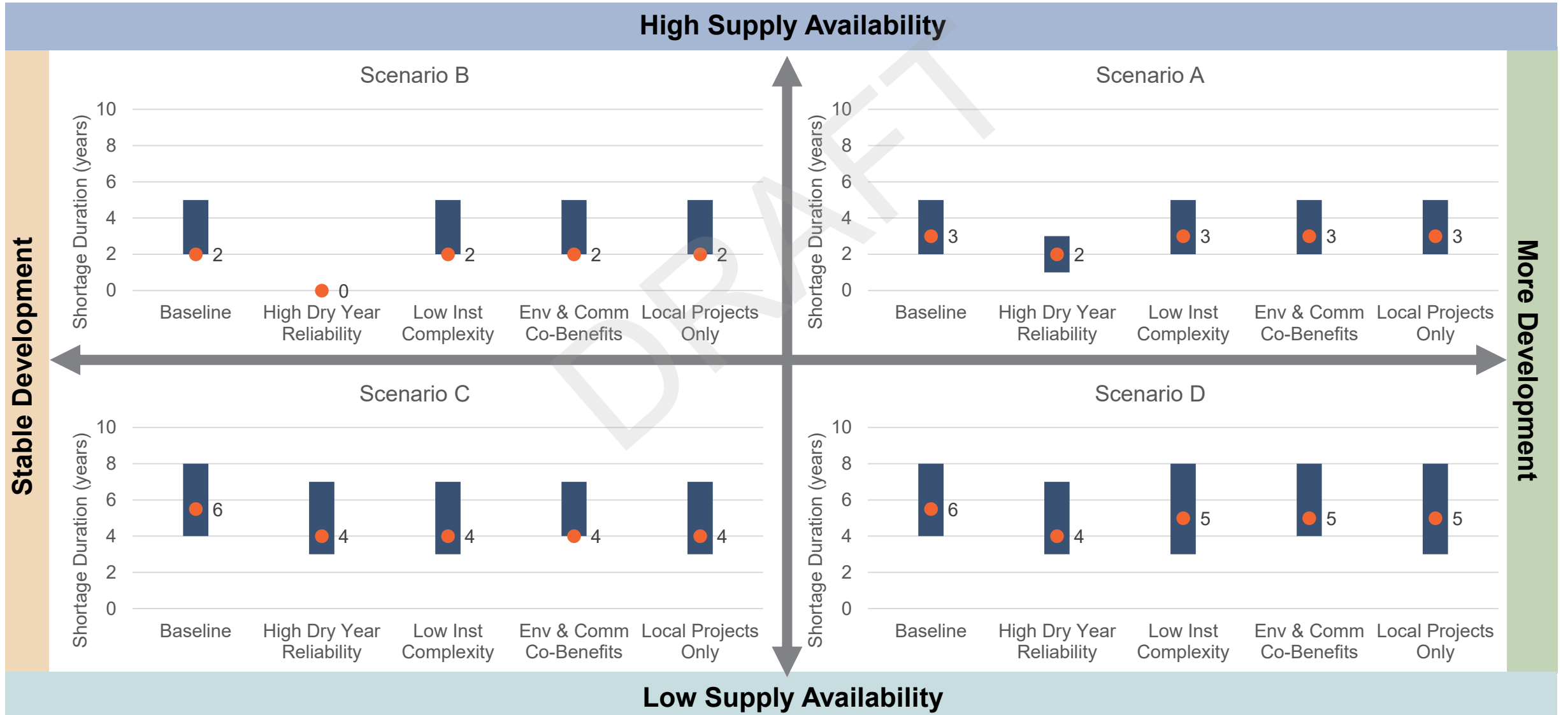
Shortage Frequency



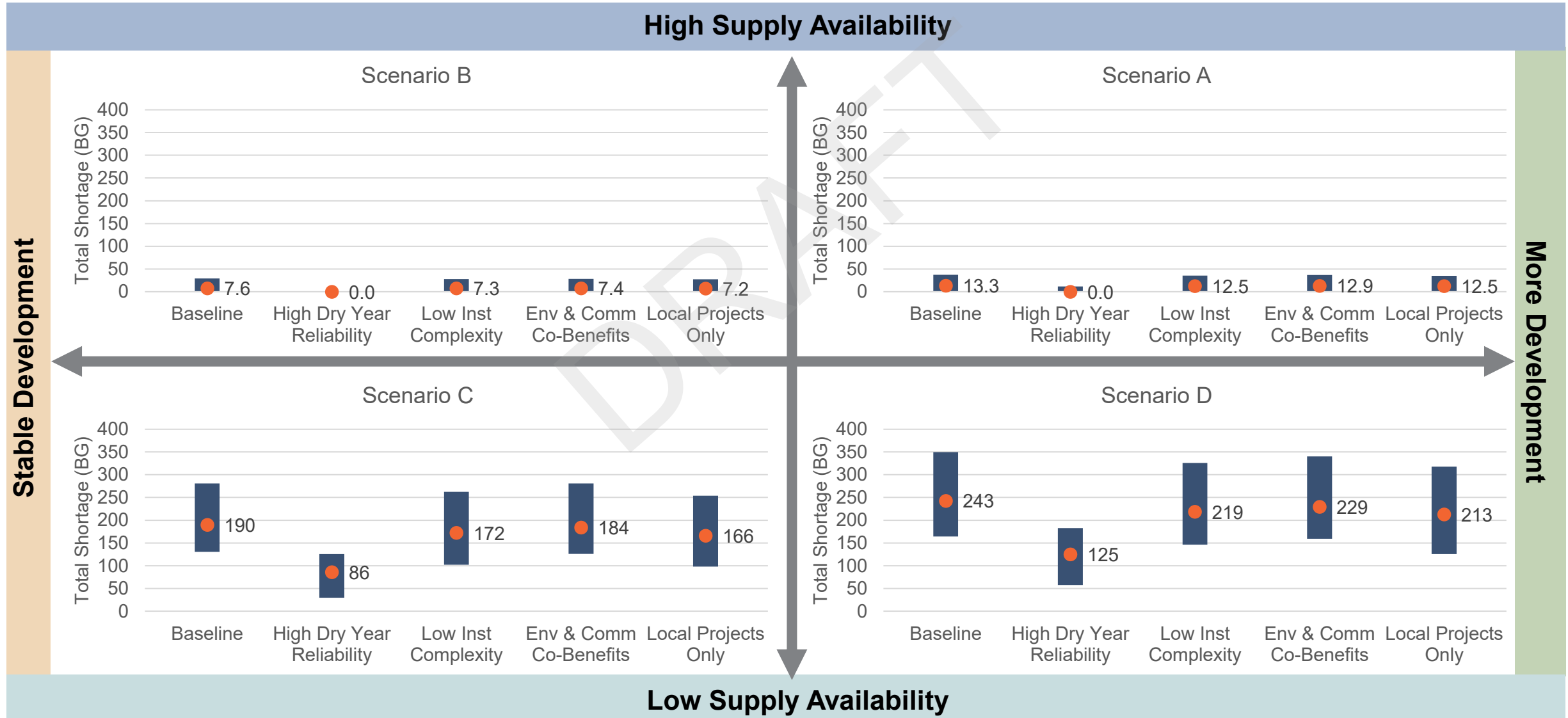
Frequency of Shortage > 20 mgd



Maximum Shortage Duration (Years)



Total Cumulative Shortage Volume (BG)



RELIABILITY MODELING RESULTS SUMMARY

- All portfolios improve reliability, but benefits vary substantially across scenarios.
- The High Dry Year Reliability Portfolio provides the largest reductions in shortage magnitude, frequency, and duration.
 - Desal projects appear to drive the reductions
- Low Institutional Complexity and Local Projects Only portfolios provide meaningful but incremental benefits.
- Environmental & Community Co-Benefits Portfolio has lowest efficacy in reducing duration, frequency, and magnitude of shortages
- Future reliability challenges remain concentrated in prolonged droughts and more restrictive regulatory futures.
- Diversified, drought-resilient supplies consistently provide the most robust performance across plausible future conditions.

NEXT STEPS

- Evaluate portfolio costs and share results with WMR
- Identify constraints/optimization opportunities and revise P&A concepts/portfolios to inform Strategy 2050 recommendations
- Present gap assessment and portfolio modeling results to BAWSCA Board

Agenda Item #4

Grant Tracking Tool



Fund Your Future

Discover curated funding opportunities for Environmental and Water projects.



Search for grants and funding...

Search Grants

EKI's Grant Tracking Website



Contents

1. Homepage

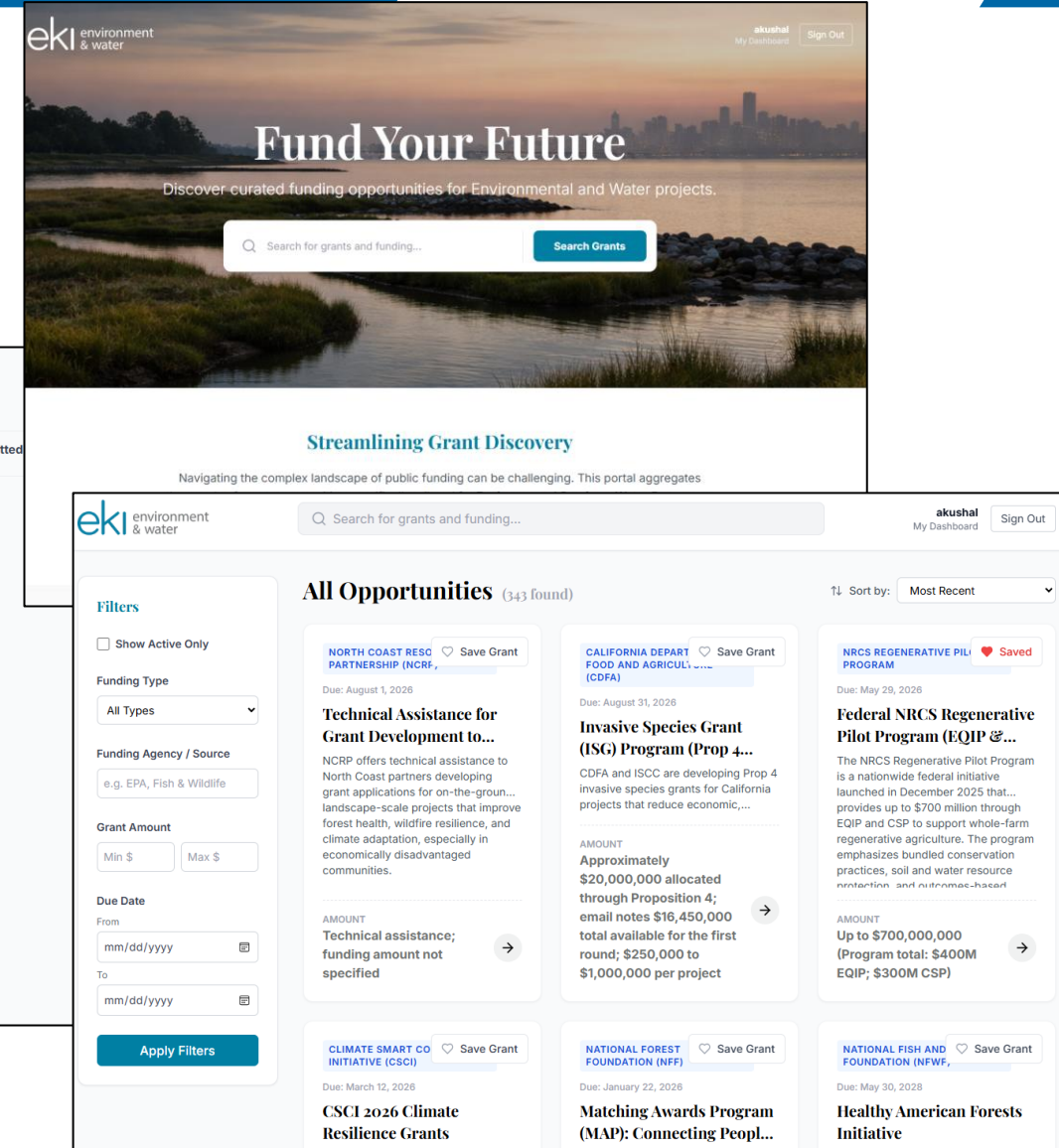
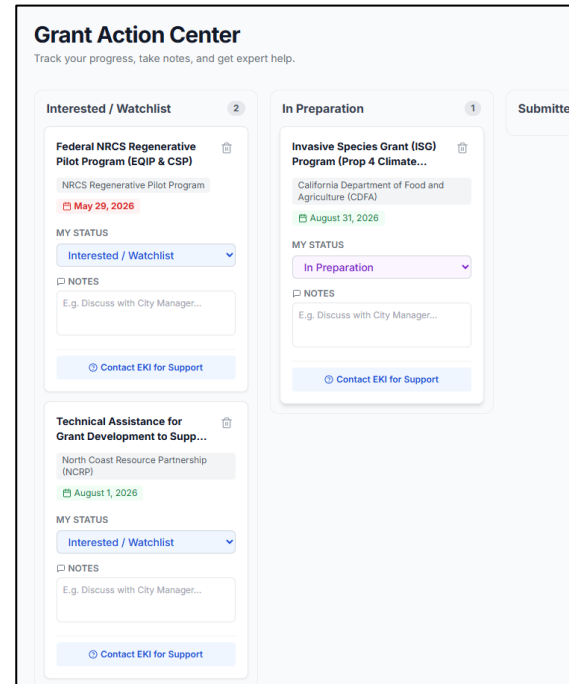
- Contains a search bar, general information about the app, and information about EKI

2. Search Results

- Displays top results from searches, enables filtering
- Displays additional details (behind login)

3. Grants Dashboard

- Program tracking board (behind login)



Key Features

- **Access:** Public-facing app with premium features behind login; access code provided to view additional grant details
- **Updated Data:** 350+ grants from the EKI inventory updated with new deadlines
- **Search:** added functionality for semantic and keyword-based searches
- **Dashboard:** Basic saving and tracking of grants of interest

EKI and BAWSCA staff have been piloting the tool

- Testing search, filtering, and the saved-grants dashboard to prepare it for member agencies
- BAWSCA agencies will be provided with access to the tool

We will provide you with:

- Onboarding instructions
- Link to the web app
- Access code to log in

Questions? Reach out to the EKI/BAWSCA team for assistance.

Agenda Item #5

Bay Delta Plan/FERC



Bay-Delta Plan – Phase 2

- On August 19th, the State Board released its final draft plan for the Sacramento River and San Francisco Bay-Delta (e.g., Phase 2).
 - Written comments are due Sep. 18
 - The San Joaquin Tributary Authority (SJTA) is likely to submit written comments
 - The SFPUC has yet to make a final decision as to whether to prepare written comments
- A public hearing will be held on Oct. 28-29
 - The State Board will consider the plan's adoption at the close of the hearing
- BAWSCA is following Phase 2 matters closely

Bay-Delta Plan – Phase 1

- The State Board has received the peer review of their draft Scientific Basis Report
- Progress on Bay-Delta Plan – we expect action on Phase 1 after Phase 2 is resolved

Litigation Update

- On March 2, 2026, BAWSCA filed its opening brief in the appeal challenging the March 15, 2024, decision in the State Water Board Cases
- The State Board's combined respondent's brief must be served and filed by September 21, 2026
 - It is possible that the State Board could request an extension of time
- BAWSCA's reply brief will be due October 12, 2026
 - If the State Board requests a time extension, a similar extension of time is likely to be requested by the Parties to the litigation

Agenda Item #6

Emergency Response Matters



Upcoming Meetings

- Nov. 17, 2026 - Cal Water's Emergency Preparedness Team is hosting an Emergency Response event (see flyer for addition details)
 - Time = 8:30 AM – 2:30 PM
 - Place = Cal Water corporate offices (1720 N 1st St, San Jose Ca 95112)
 - Topics include emergency response best practices, lessons learned, and the challenges facing emergency preparedness

Feedback w/r to meeting with San Mateo County Office of Emergency Services held on August

- BAWSCA is seeking feedback from the WMRs that attended last month's meeting with the SMC OES

Are there other Emergency Response topics that agencies have to share?

Agenda Item #7

Open
Discussion
Future
Agenda



BAWSCA Items not on the Agenda

Agency Information to share (or items to include on future agendas)



Adjournment to next meeting

October 1, 2026

Burlingame

Community Center

Sequoia Room A