

Water Management Representatives Meeting

November 5, 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



Agenda Item #2

SFPUC Report



Hetch Hetchy Regional Water System

Water Supply Conditions Update

November 4, 2026

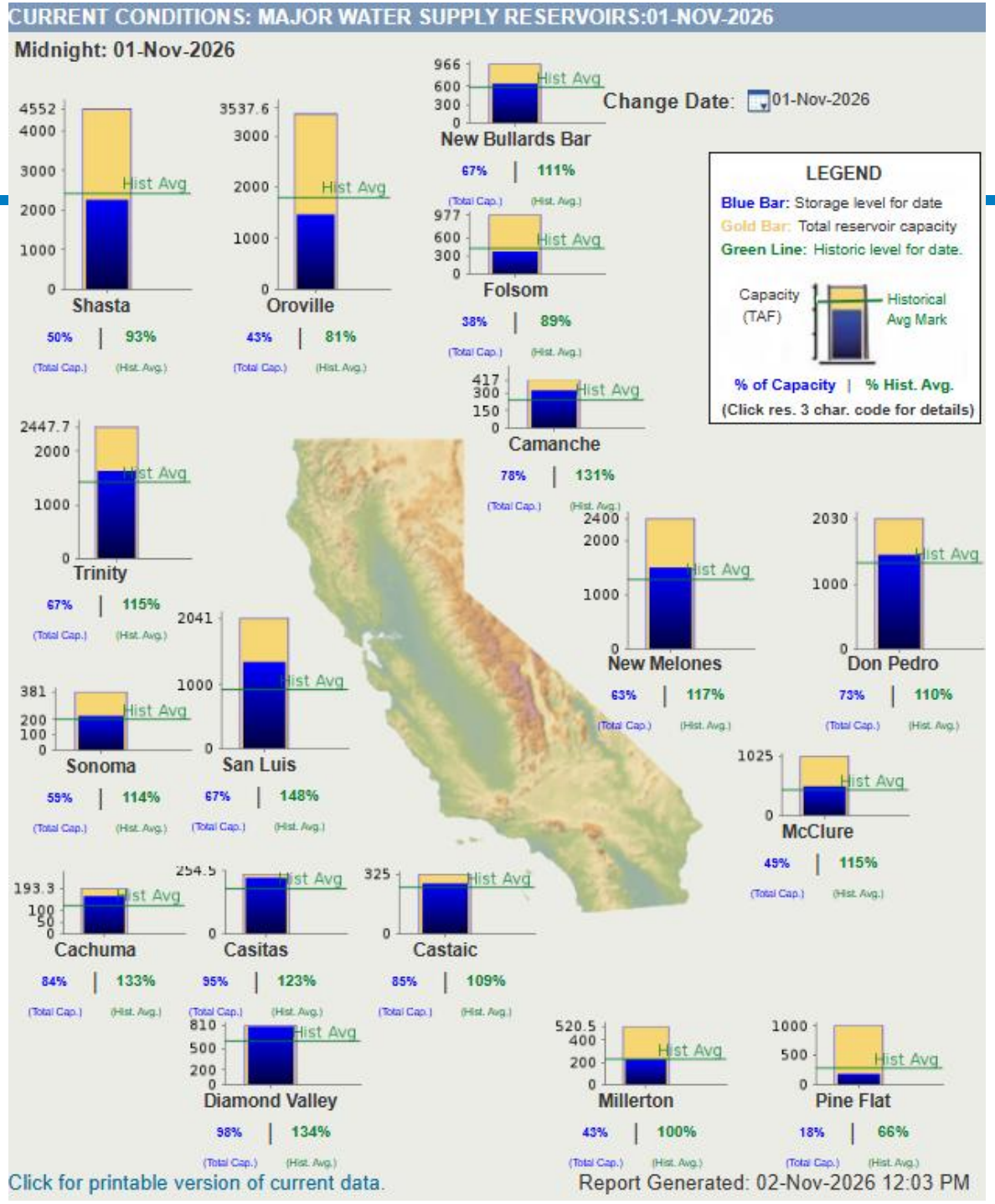
November 2, 2026,Reservoir Storage

Reservoir	Current Storage[1,2,3] (AF)	Maximum Storage[4] (AF)	Available Capacity (AF)	Percent of Maximum Storage	Normal Percent of Maximum Storage[5]
Tuolumne System					
Hetch Hetchy	262,100	360,360	98,260	72.7%	**73.2%**
Cherry	240,900	273,345	32,445	88.1%	-
Eleanor	15,170	27,100	11,930	56.0%	-
Water Bank	567,905	570,000	2,095	99.6%	**97.8%**
Total Tuolumne Storage	**1,086,075**	**1,230,805**	**144,730**	**88.2%**	-
Local System					
Calaveras	50,368	96,670	46,302	52.1%	-
San Antonio	42,335	53,266	10,931	79.5%	-
Crystal Springs	41,732	68,953	27,221	60.5%	-
San Andreas	16,205	18,675	2,470	86.8%	-
Pilarcitos	1,631	3,125	1,494	52.2%	-
Total Local Storage	**152,271**	**240,689**	**88,418**	**63.3%**	-

Total System Storage	1,238,346	1,471,494	233,148	**84.2%**	**78.8%**
Total without water bank	670,441	901,494	231,053	**74.4%**	-

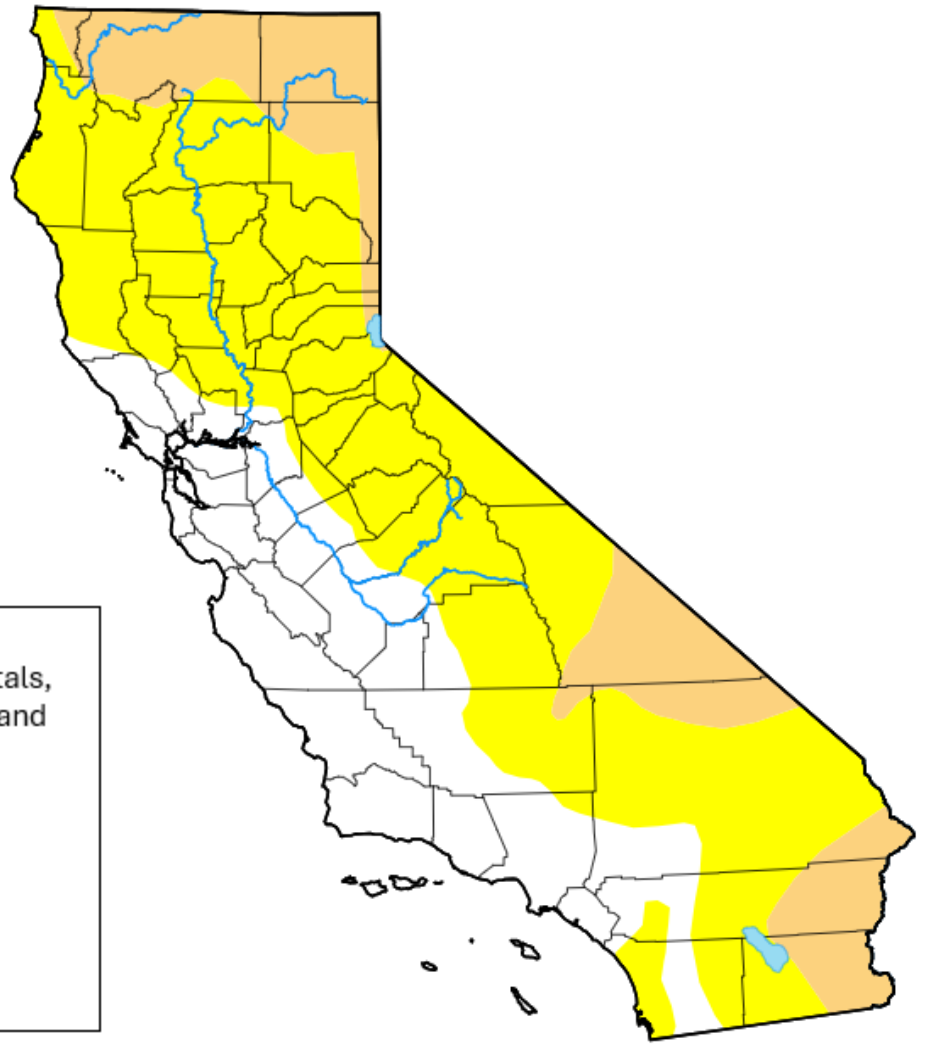
Hetch Hetchy Regional Water System

Other California Reservoirs



Hetch Hetchy Regional Water System

California Drought Monitor



Color scale is based on the historical average of a combination of data including rainfall and snow totals, 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

Map released: Thurs. October 29, 2026

Data valid: October 27, 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

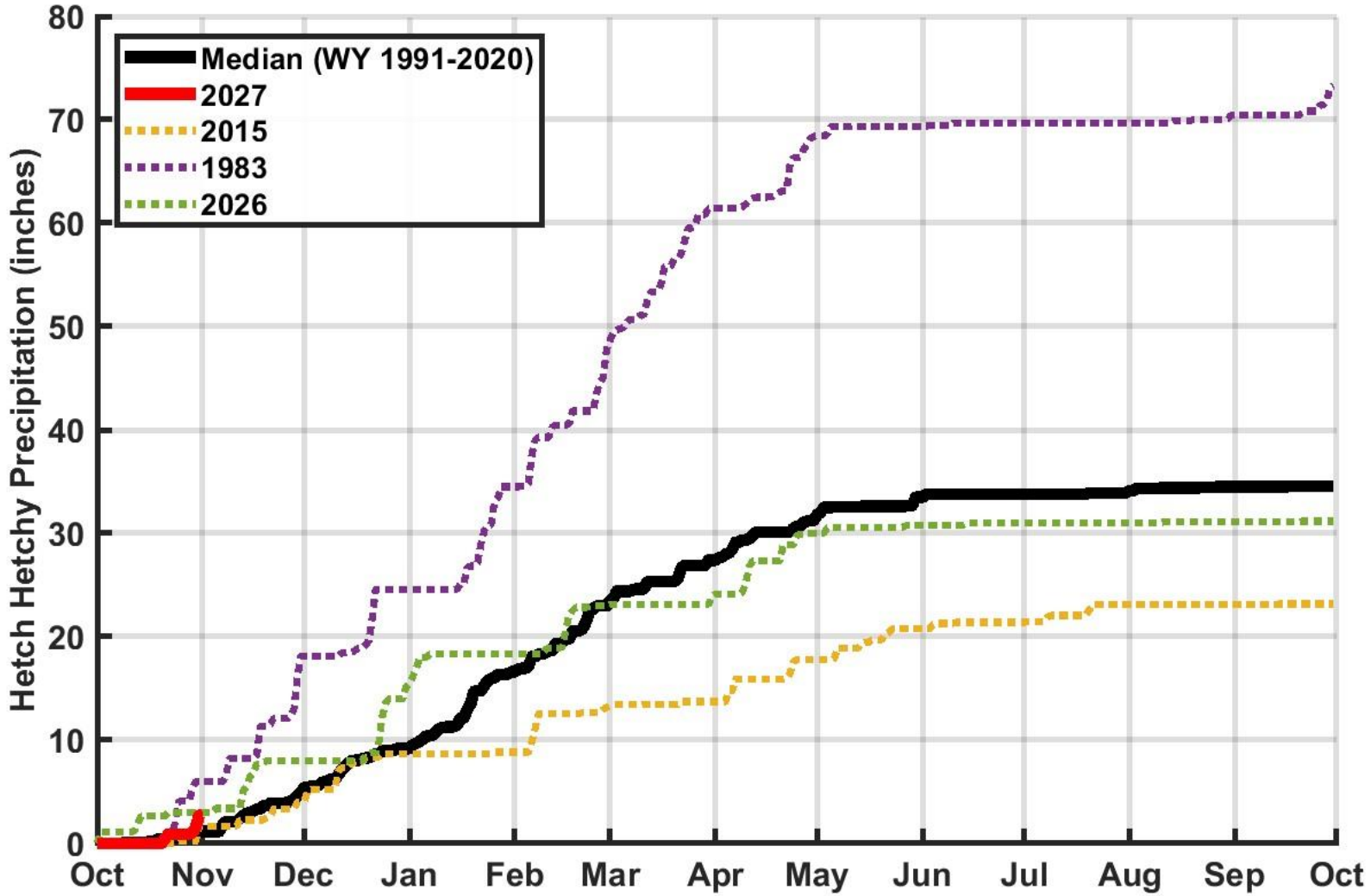
United States and Puerto Rico Author(s):

Richard Tinker, CPC/NOAA/NWS/NCEP

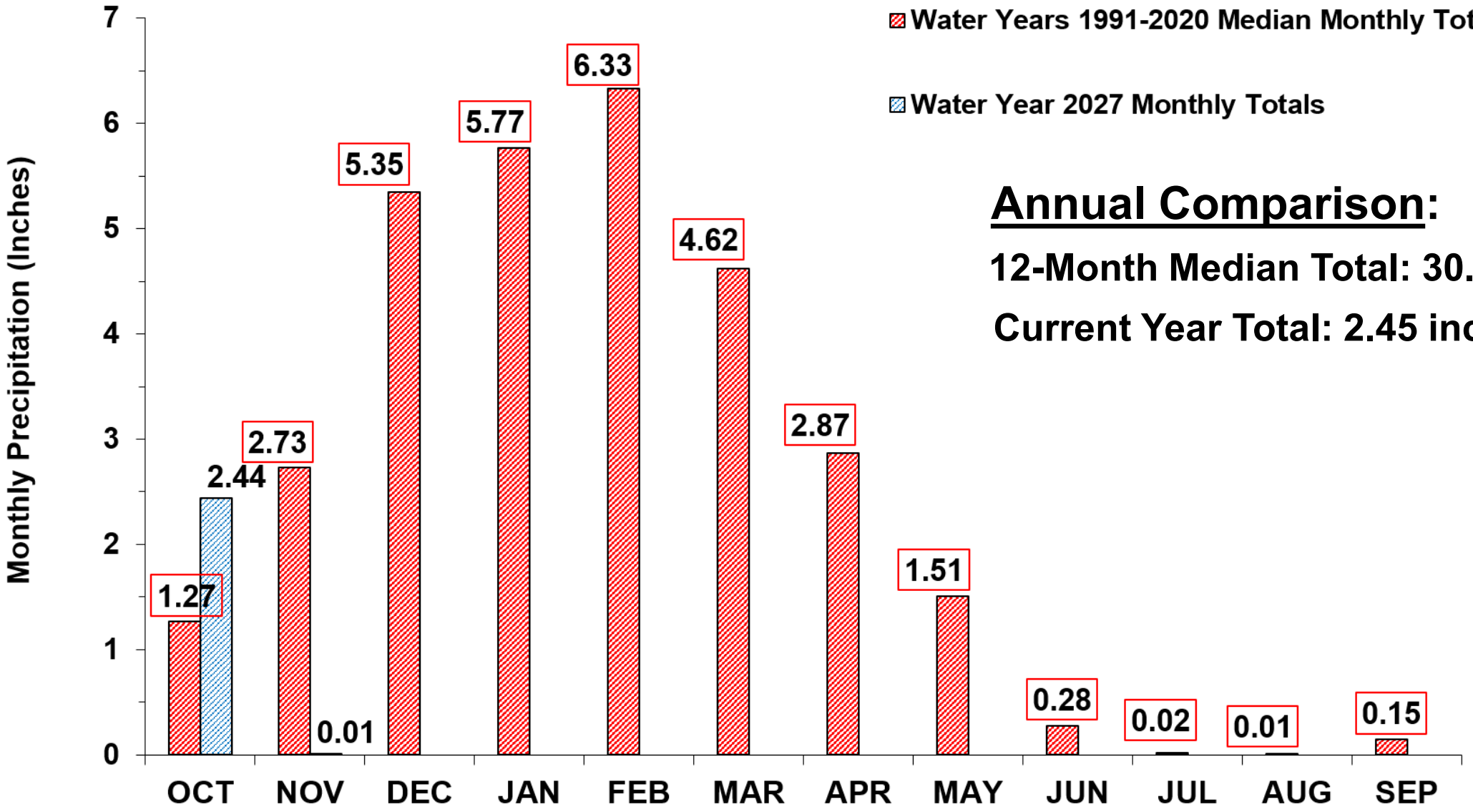
Pacific Islands and Virgin Islands Author(s):

Curtis Riganti, National Drought Mitigation Center

Hetch Hetchy Precipitation



Upcountry 6-station Precipitation Index as of November 1, 2026

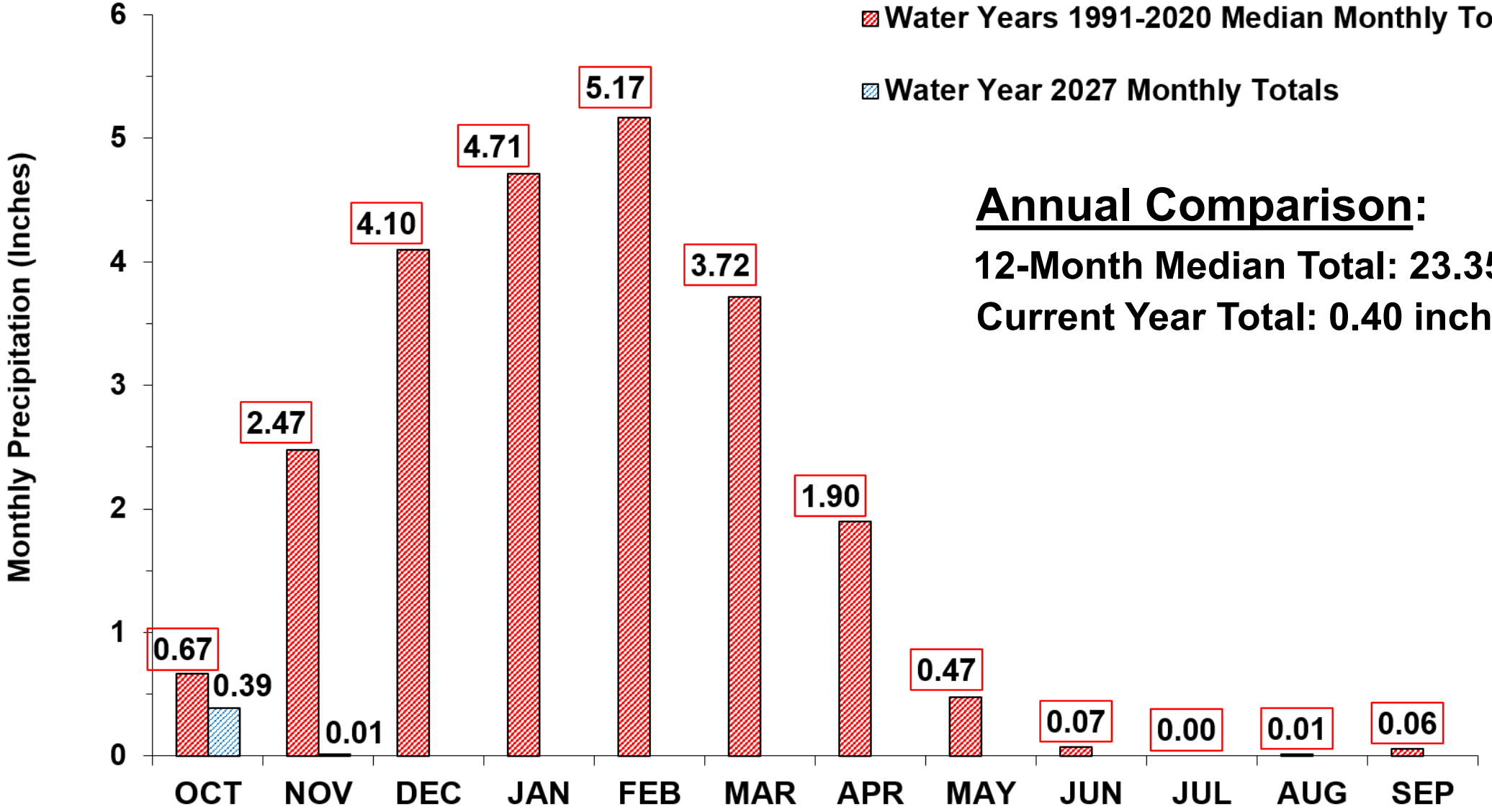


Annual Comparison:

12-Month Median Total: 30.92 inches

Current Year Total: 2.45 inches

Bay Area 7-station Precipitation Index as of November 1, 2026



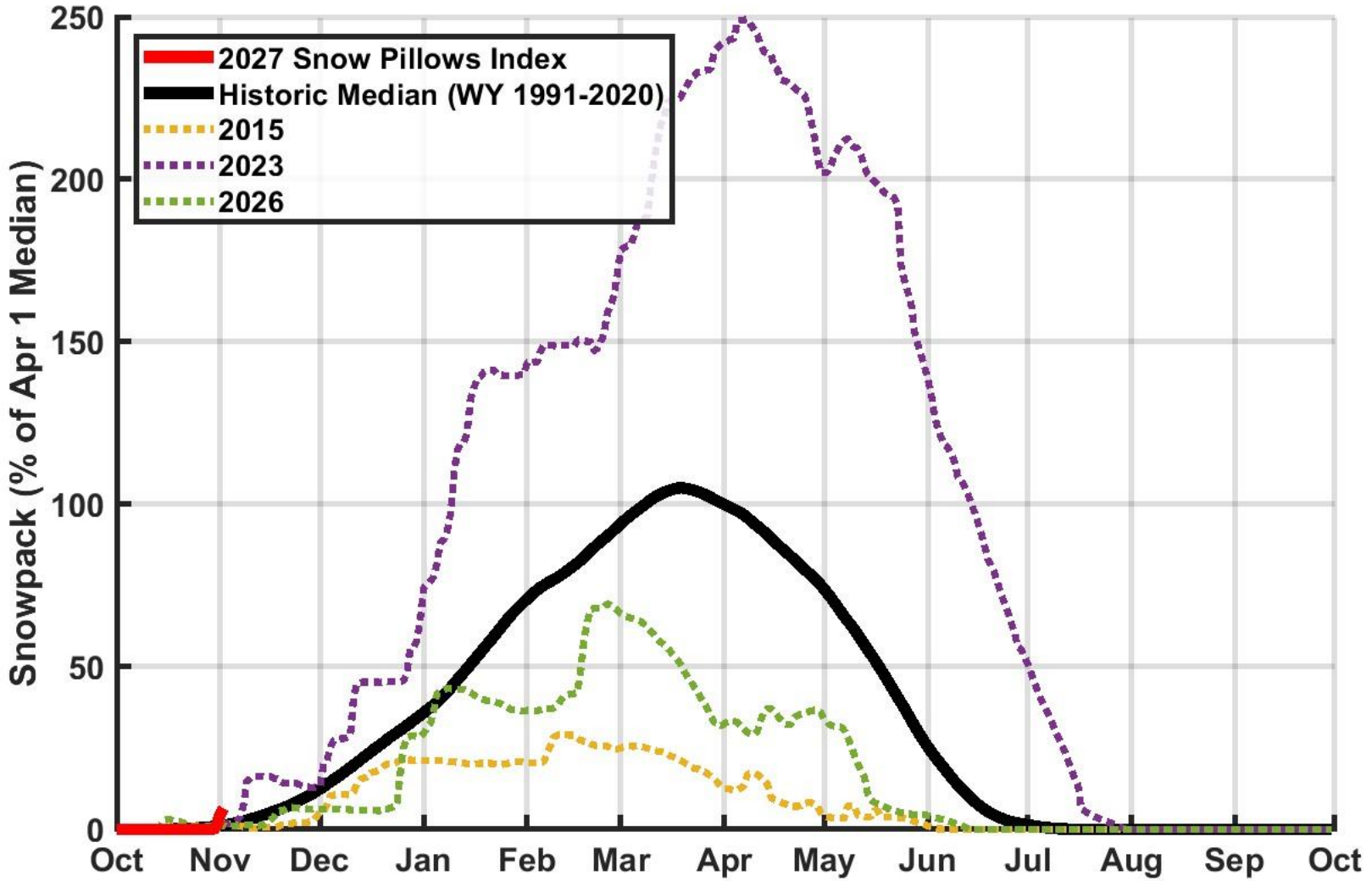
Annual Comparison:

12-Month Median Total: 23.35 inches

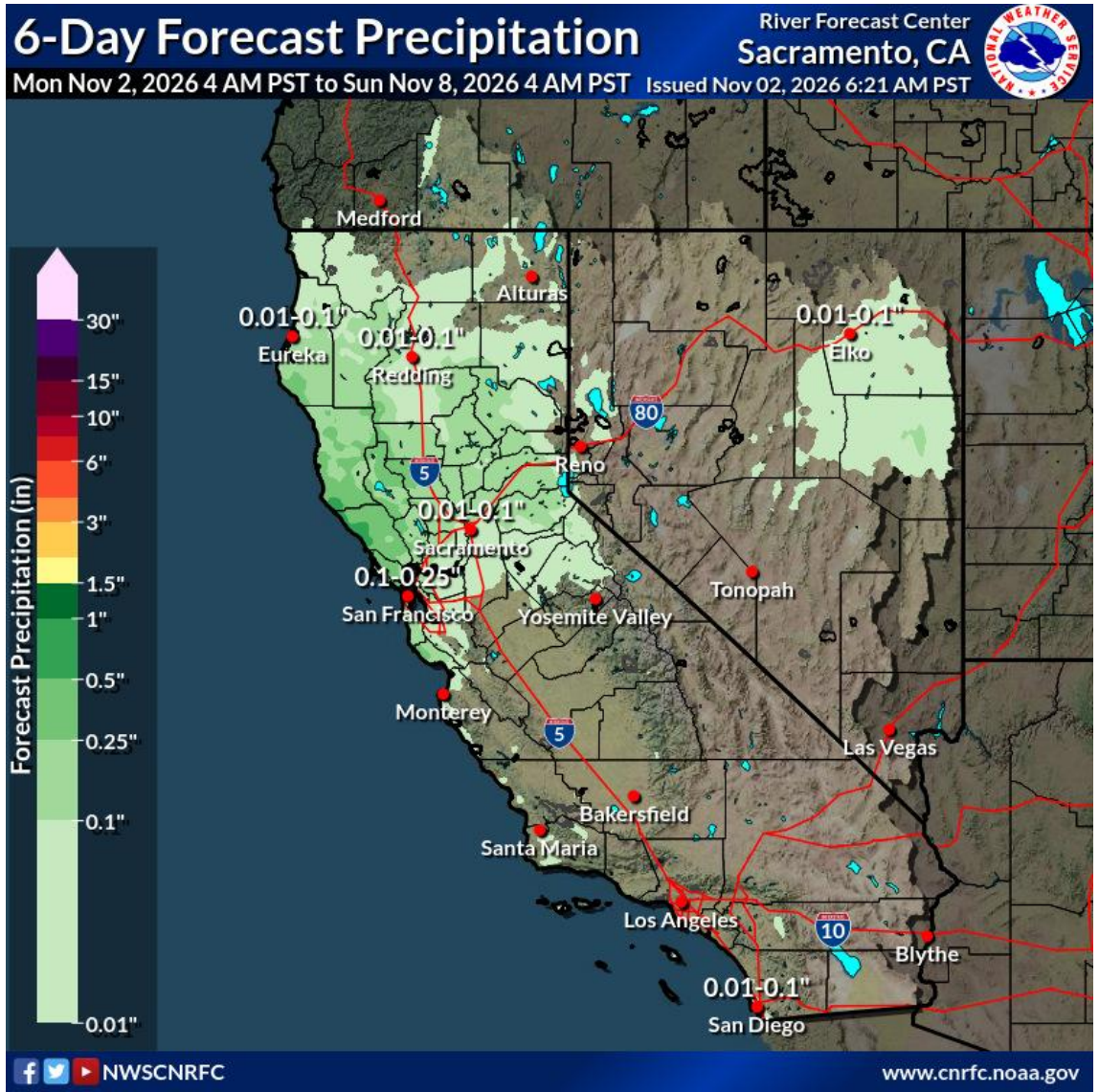
Current Year Total: 0.40 inches

Hetch Hetchy Regional Water System

Upcountry Snowpack

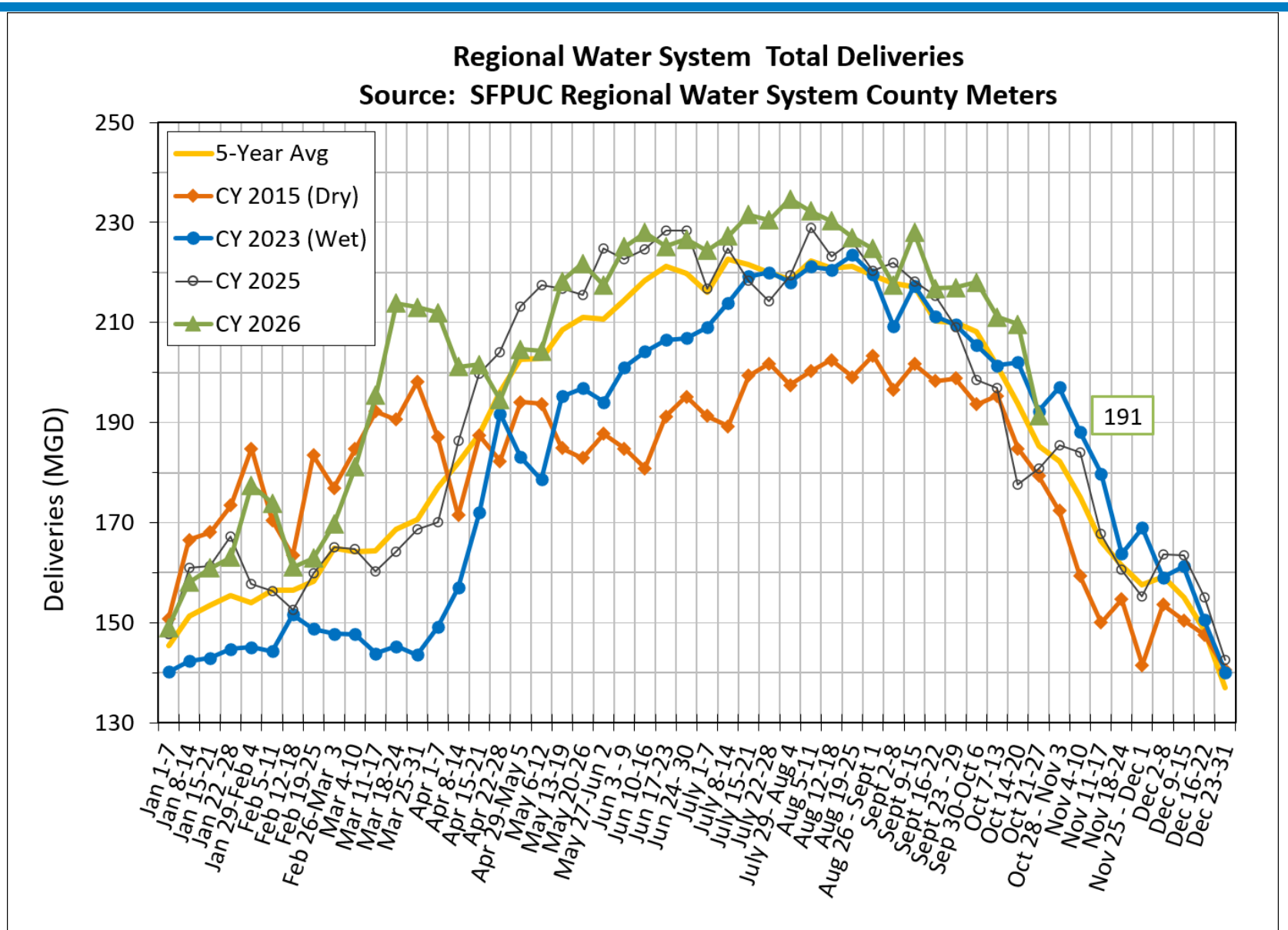


California Precipitation Forecast



Hetch Hetchy Regional Water System

Total Deliveries



Agenda Item #3

Strategy 2050



Goals for Today's Presentation

- Review the Portfolio #5 evaluation results.
- Share the Implementation Plan survey results and recommended Strategy 2050 Implementation Plan.
- Discuss next steps.

Portfolio Evaluation Overview

BAWSCA
Bay Area Water Supply & Conservation Agency

Purpose

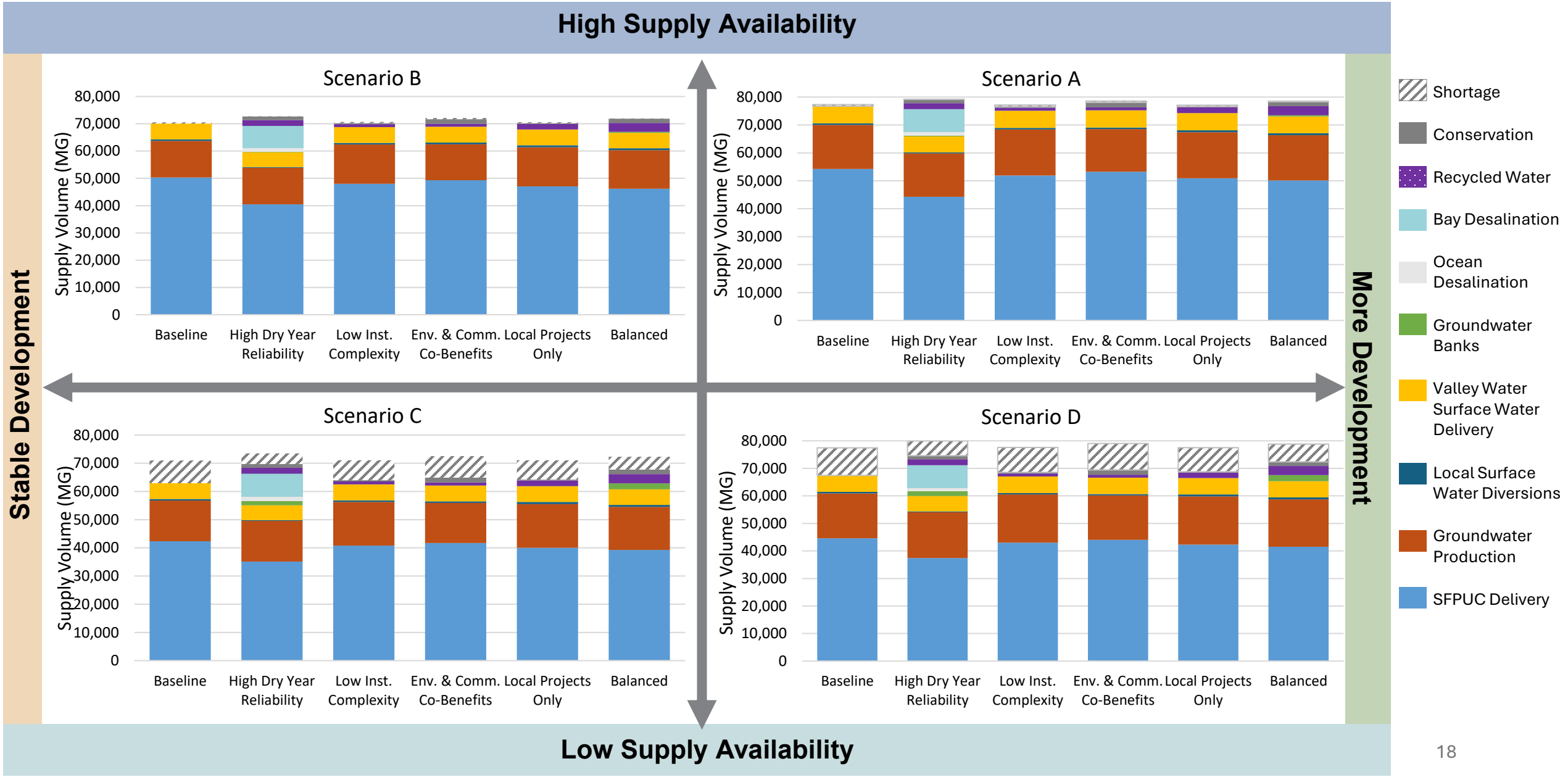
- Develop and compare benefits of different portfolios (groupings of projects and actions), including water reliability and other monetary and non-monetary benefits.
- Understand how implementation of each portfolio could impact how and when water shortages could occur in the BAWSCA region over the planning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

Portfolio Development

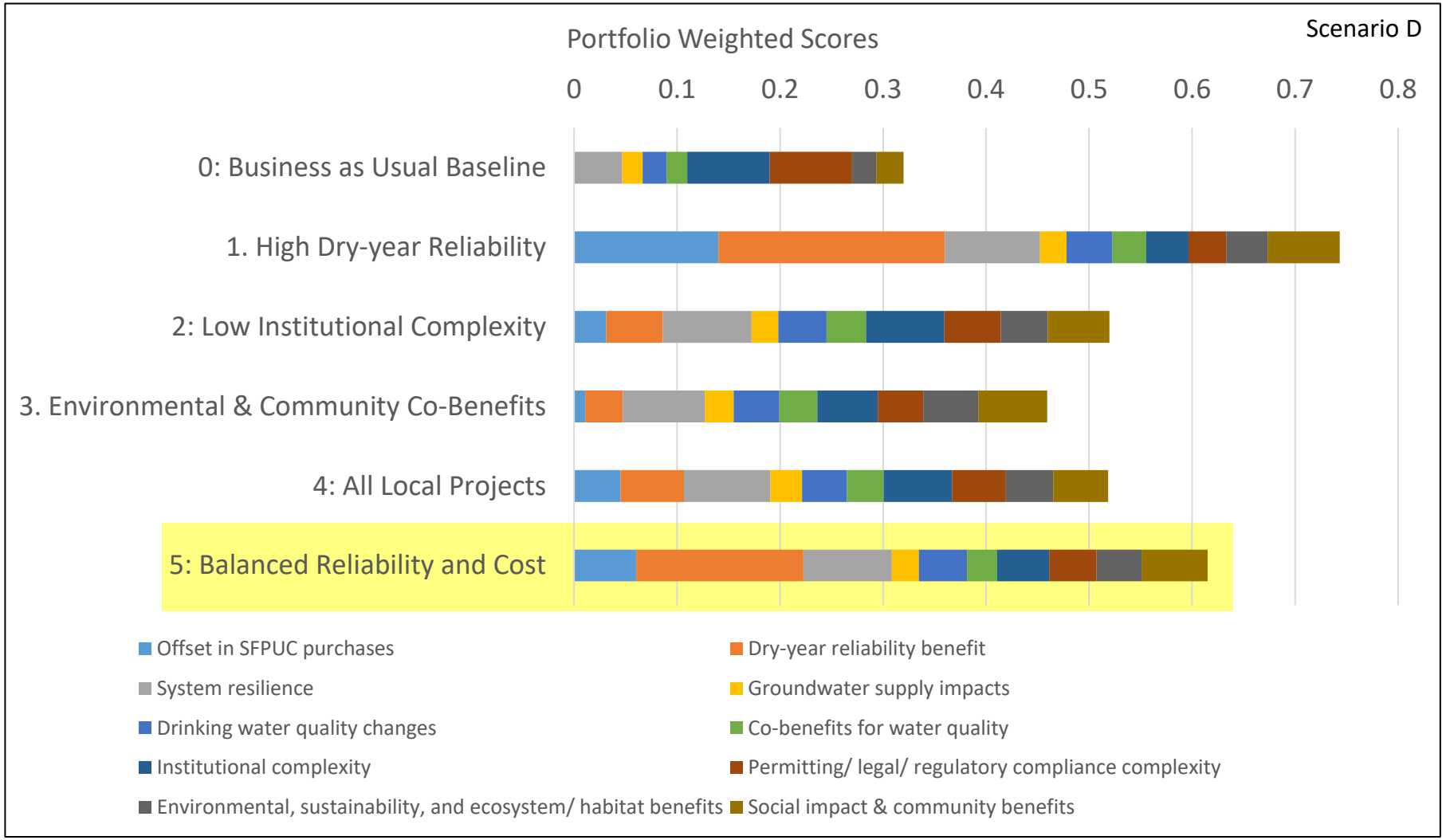
BAWSCA
Bay Area Water Supply & Conservation Agency

	P&A	1. High Dry-year Reliability	2: Low Institutional Complexity	3. Env & Comm Co-Benefits	4: All Local Projects	5: Balanced Portfolio 5
Local	1. New or Replacement Wells	X	X		X	X
	2. Recycled Water for Non-Potable Use		X		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	X
	8. Surface Water Rights				X	X
	9. Gray Water Collection			X	X	
	10. Emergency Connections or Interties	X			X	X
Regional Projects	1. Regional Stormwater Project			X		
	2. Satellite Facilities for Distributed Reuse	X				
	3. Technical Assistance Prog for Onsite Reuse		X	X		
	4. San Joaquin GW Banking and Transfer	X		X		X
	5. Public/Private Partnership for Banking	X (20kAF)				X (increased)
	6. Regional GW Management and CUP	X				X
	7. Desalination Pilot Project	X				
	8. Bay Desalination	X (26 mgd)				
	9. Fog Collection Subscription Program			X		
	10. “Net Zero” Program			X		X
	11. Intertie Development and Optimization	X				X
	12. Debt Financing for Distributed Infrastructure			X		
SFPUC AWSP – Peninsula Pure Water						X *(new)*

Supply Source within Each Portfolio (Average)



Portfolio Evaluation Results – Scenario D

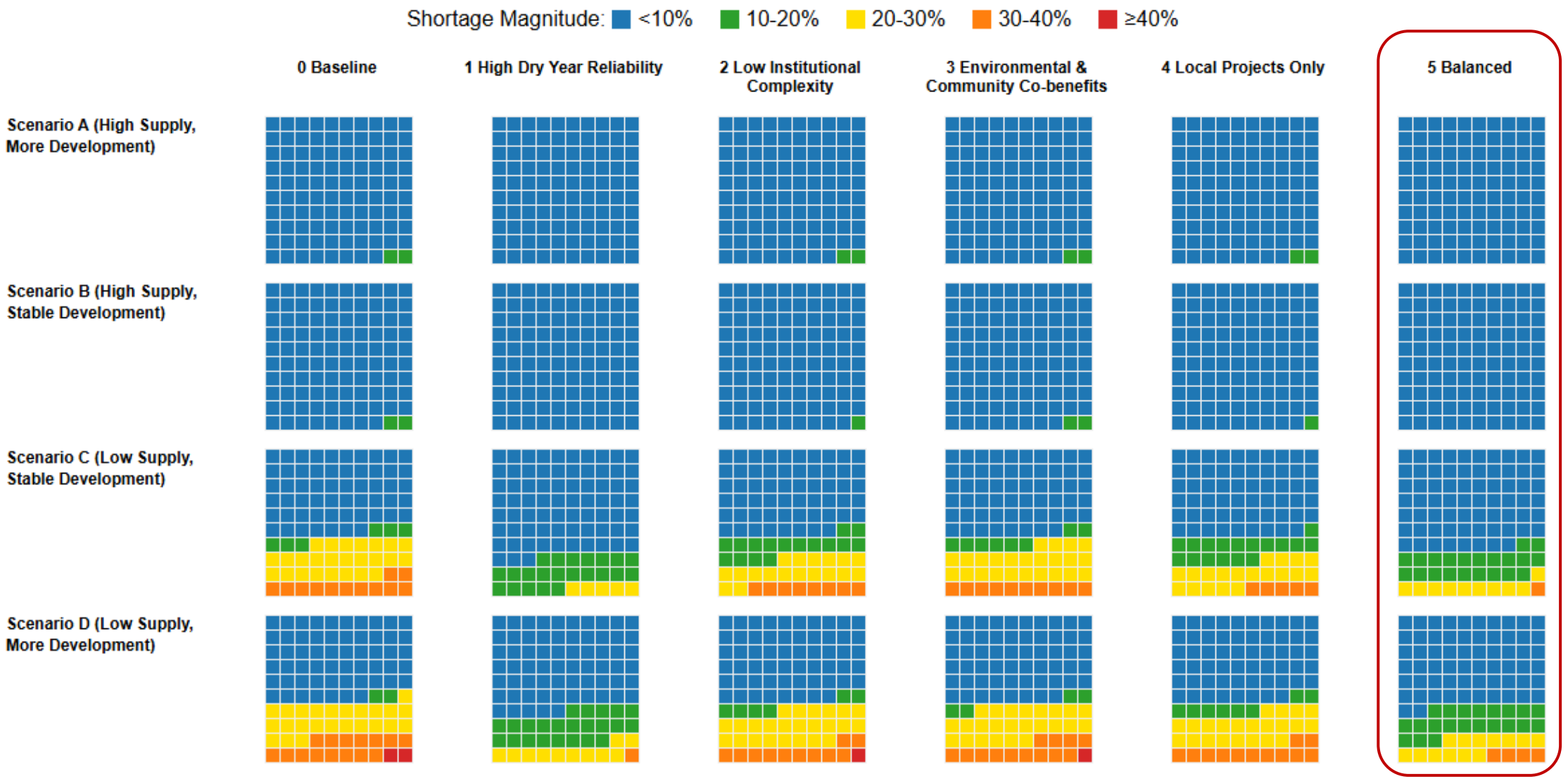


- Evaluation criteria are benefit-based
- Portfolio 1 still scores highest, primarily due to high SFPUC offset
- Portfolio 5 scores more closely than previous portfolios

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Defining Supply Need

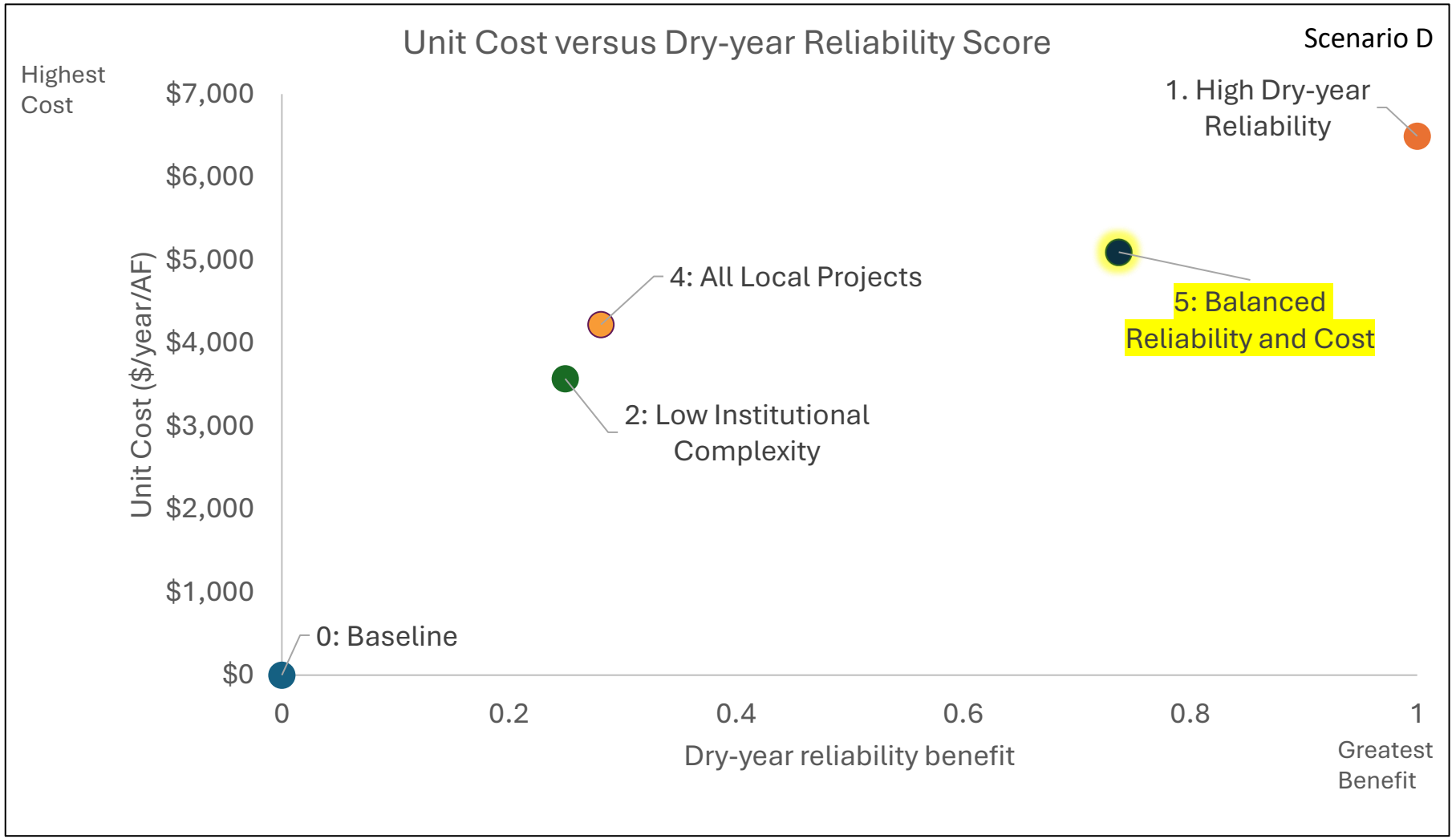
- Color = Magnitude of modeled shortage
- Number of squares = Probability of modeled shortage for this range in a given year (1 square = 1%)



Cost versus Dry-Year Reliability Benefit

3. Environmental & Community Co-Benefits

Portfolio 3 costs were ~$18,000/yr/AF



- Portfolio 5 has increased dry year reliability benefit compared to 2, 3 & 4, at a similar unit cost

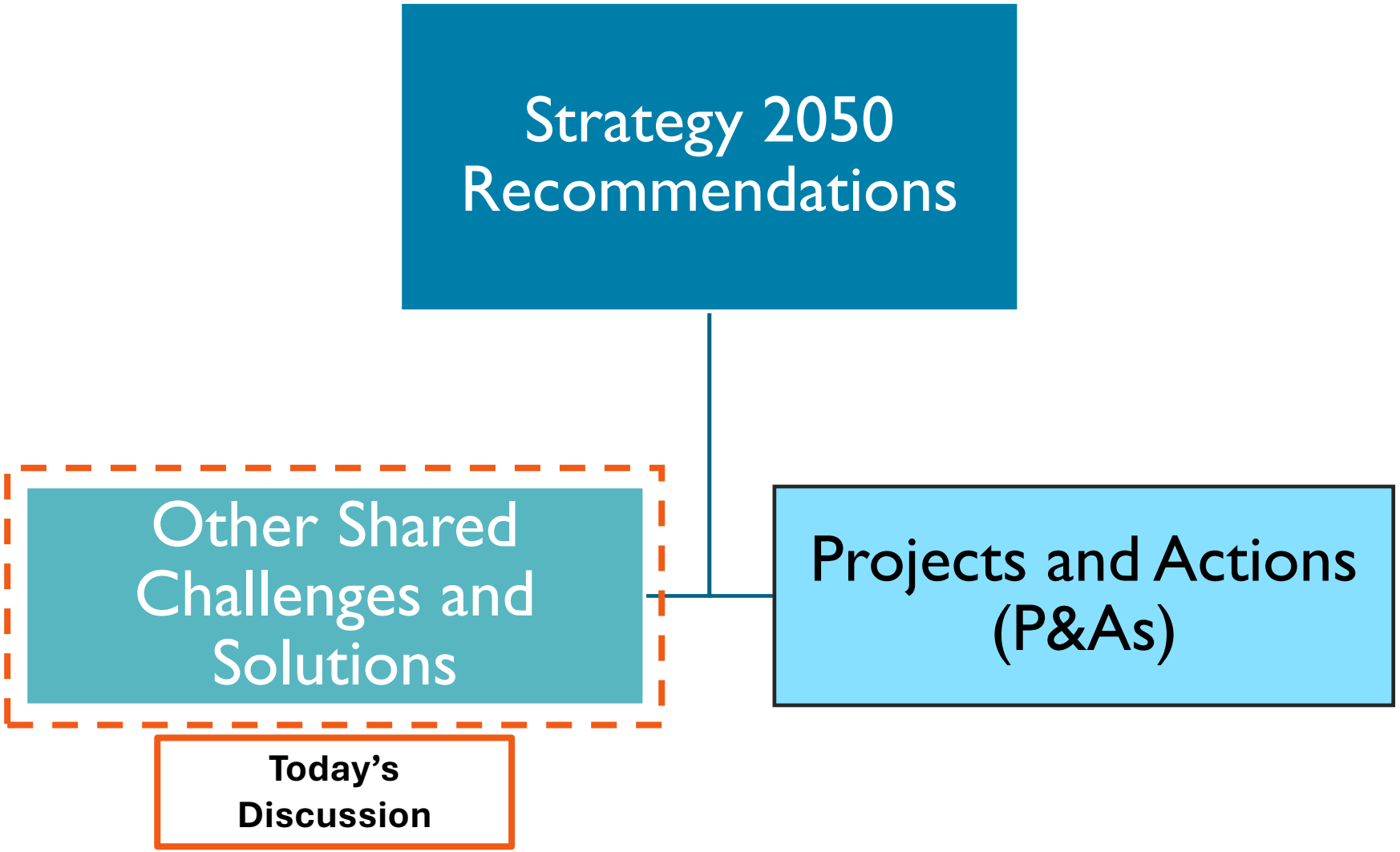
BAWSCA Bay Area Water Supply & Conservation Agency

Implementation Plan Purpose

The purpose of the Implementation Plan is to:

- Translate Strategy 2050 findings and recommendations into an organized program that considers relative priorities, roles, and resource needs.
- Establish the framework to collectively support water reliability and resilience and make sustained, measurable progress toward the established Strategy 2050 objectives, building on the work completed to date to identify water supply management needs and opportunities for the BAWSCA region.

Implementation Plan Framework



Implementation Plan Development

BAWSCA
Bay Area Water Supply & Conservation Agency

Compile

Recommended actions from each Strategy 2050 task

Categorize

Actions grouped by relative priority and level of effort

Review

WMR input on priorities and preferences via meeting and survey

Refine

Proposed Implementation Plan presented for WMR input

Implementation Plan Survey Results

BAWSCA
Bay Area Water Supply & Conservation Agency

Top 5 Ranked Recommendations

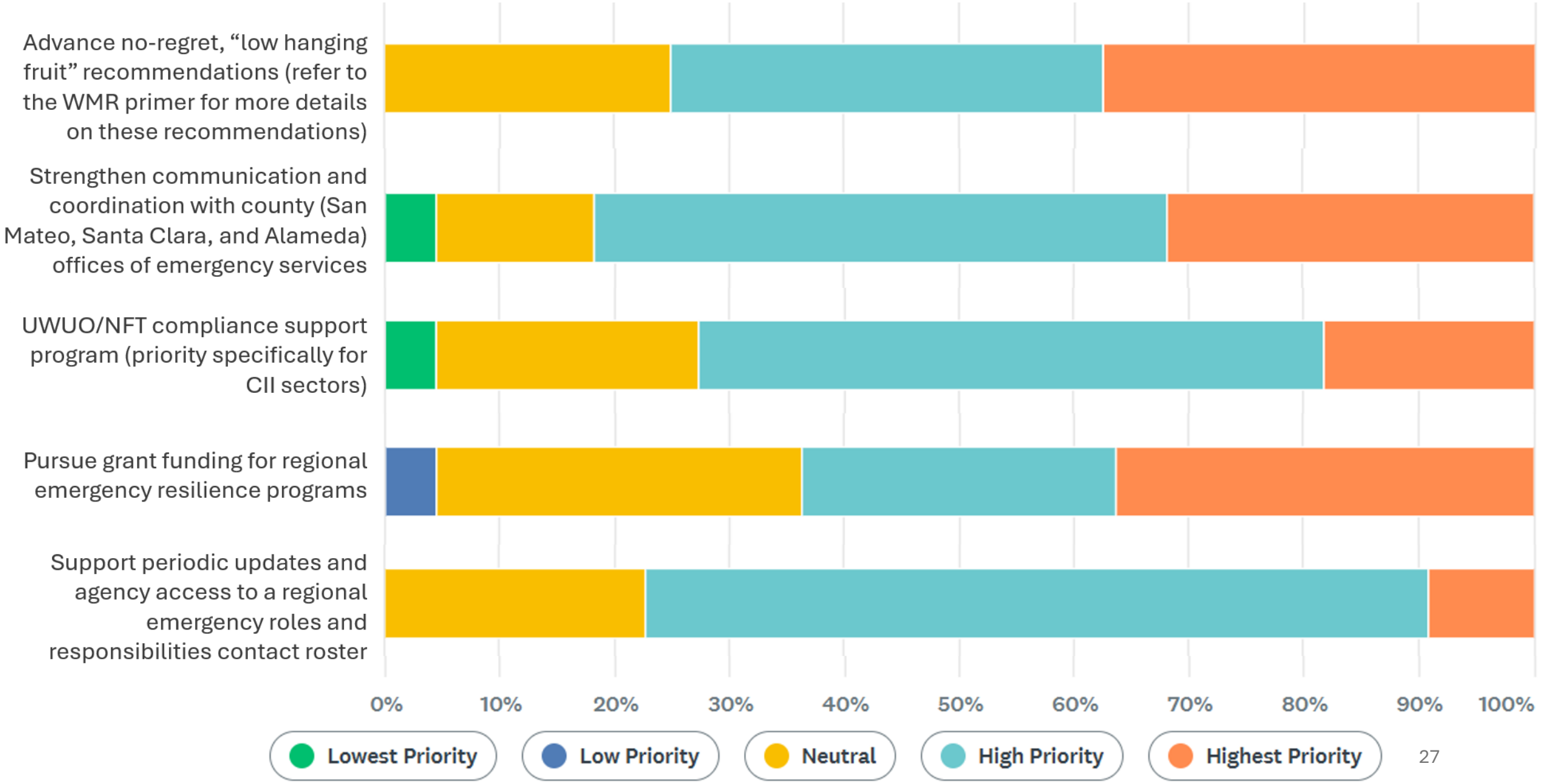
Rank	Category	Recommendation
1	Near-Term Priority	Advance no-regret, “low hanging fruit” recommendations
2	Emergency Resilience	Strengthen communication and coordination with county (San Mateo, Santa Clara, and Alameda) offices of emergency services
3	Regulatory	UWUO/NFT compliance support program (priority specifically for CII sectors)
4	Emergency Resilience	Pursue grant funding for regional emergency resilience programs
5	Emergency Resilience	Support periodic updates and agency access to a regional emergency roles and responsibilities contact roster: reference identifying who to contact for specific operations and communications purposes across agencies and key SFPUC contacts, complementing SFPUC’s existing contact list

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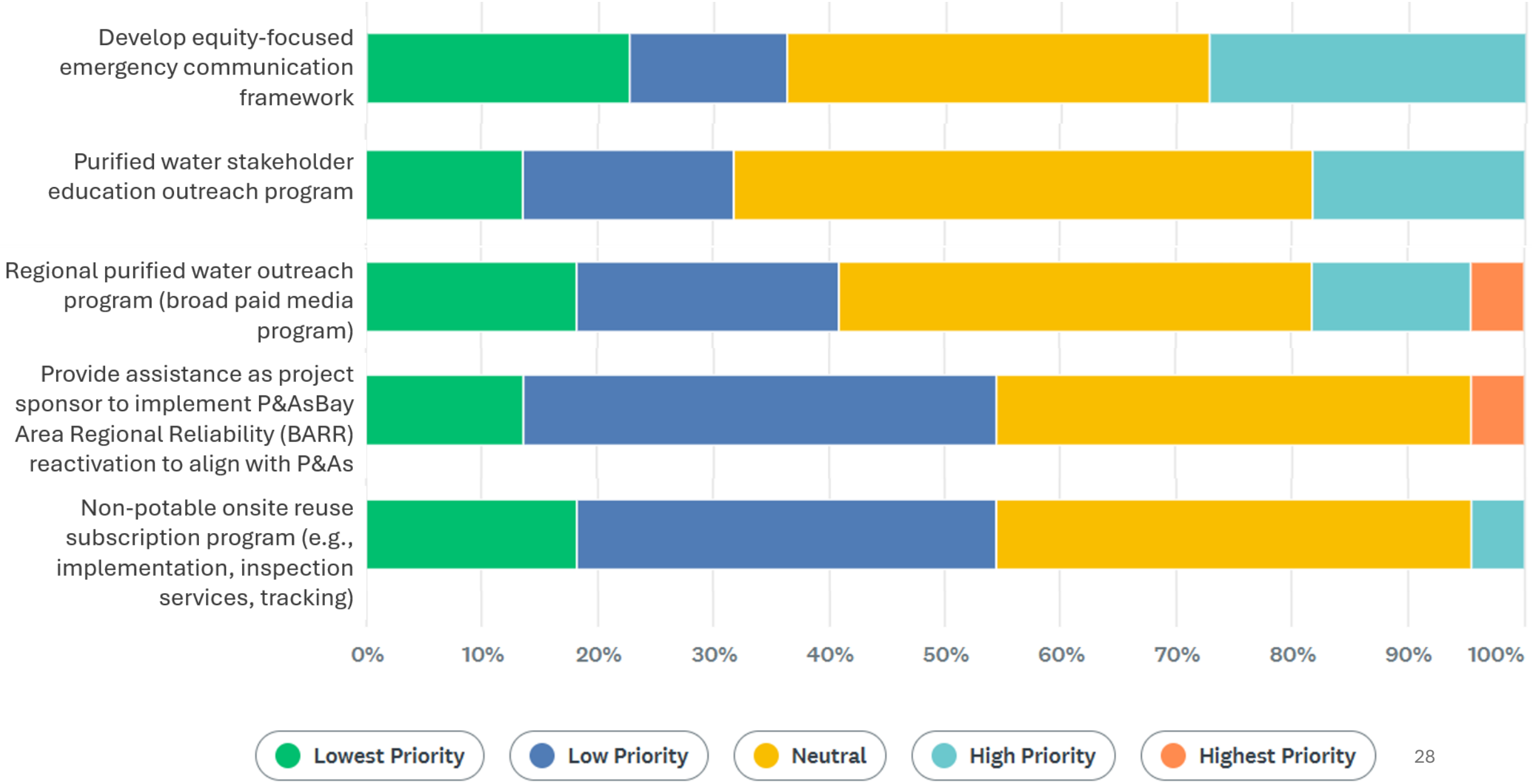
Bottom 5 Ranked Recommendations

Rank	Category	Recommendation
41	Regulatory	Non-potable onsite reuse subscription program (e.g., implementation, inspection services, tracking)
40	Funding and Financing	Provide assistance as project sponsor to implement P&As; Bay Area Regional Reliability (BARR) reactivation to align with P&As
39	Regulatory	Regional purified water outreach program (broad paid media program)
38	Regulatory	Purified water stakeholder education outreach program
37	Emergency Resilience	Develop equity-focused emergency communication framework: multi-language templates and accessible backup communication channels informed by customer input to ensure materials address the information customers need during an emergency

Top 5 Ranked Recommendations



Bottom 5 Ranked Recommendations



Implementation Plan Framework

<table>
<tr><th colspan="2">Near-Term
(Years 1-5)
Priority recommendations to be implemented in the first five years</th><th colspan="2">Mid-Term
(As Resources Allow)
Recommendations to be advanced as funding and organizational capacity becomes available</th><th>Trigger-Based</th></tr>
<tr><td colspan="4">Upfront Investments</td><td rowspan="5">

Trigger:
Predefined milestone, condition, or project phase that initiates a specific recommendation

Action(s):
Recommendations enacted when a specific milestone, condition, or project phase is reached, rather than according to a fixed timeline</td></tr>
<tr><td colspan="4">One-time initial effort required to establish and create the infrastructure needed for long-term success</td></tr>
<tr><td colspan="4">Ongoing Implementation
Recurring actions required to sustain and advance established recommendations over time</td></tr>
<tr><td>Core</td><td>Subscription</td><td>Core</td><td>Subscription</td></tr>
<tr><td>Activities implemented regionally</td><td></td><td></td><td>Activities funded by participating member agencies</td></tr>
</table>

Regulatory

<table>
<tr><th colspan="2">Near-Term
(Years 1-5)</th><th colspan="2">Mid-Term
(As Resources Allow)</th><th>Trigger-Based</th></tr>
<tr><td colspan="4">Upfront Investments</td><td rowspan="3">Trigger:
Regional Purified Water Program reaches design phase

Action(s):
Regional Purified Water Outreach</td></tr>
<tr><td colspan="2">• Data Center Policy Support
• Establish Communications Program
• Establish Legislative / Regulatory Program
• Establish UWUO/NFT Compliance Support Program for CII
• AI Policy and Strategy</td><td colspan="2">• Onsite Reuse Implementation Program Development</td></tr>
<tr><td colspan="4">Ongoing Implementation</td></tr>
<tr><td>Core</td><td>Subscription</td><td>Core</td><td>Subscription</td><td></td></tr>
<tr><td>• Legislative / Regulatory Tracking
• Policymaker Relationships</td><td>• Lobbyist Support
• UWUO/NFT Compliance Program</td><td></td><td>• Onsite Reuse Program</td><td></td></tr>
</table>

Funding And Financing

<table>
<tr><th>Near-Term
(Years 1-5)</th><th colspan="3">Mid-Term
(As Resources Allow)</th><th>Trigger-Based</th></tr>
<tr><td colspan="2">Upfront Investments</td><td colspan="3"></td><td rowspan="6">Trigger:
P&A advances towards construction
Action(s):
Legislative advocacy for priority P&As (core or subscription)

Trigger:
3+ BAWSCA agencies align on P&A for further implementation
Action(s):
BAWSCA as sponsor for P&As (subscription)

Trigger:
P&A identified for potential regional funding partnership
Action(s):
Regional funding program (independently or with SFPUC)</td></tr>
<tr><td colspan="2">• Establish Grant Support Program
• Extend Regional Financing Authority</td><td colspan="3">• Further develop regional funding program institutional model and potential pilot
• Evaluate options to expand use of Regional Financing Authority</td></tr>
<tr><td colspan="2">Ongoing Implementation</td><td colspan="3"></td></tr>
<tr><td>Core</td><td>Subscription</td><td>Core</td><td colspan="2">Subscription</td></tr>
<tr><td>• Maintain list of agencies' funding needs
• Maintain Grants Tool</td><td>• Grant Support Program</td><td>• Regional funding advocacy</td><td colspan="2">• Funding advocacy for individual P&As</td></tr>
</table>

Affordability

<table>
<tr><th colspan="2">Near-Term
(Years 1-5)</th><th colspan="2">Mid-Term
(As Resources Allow)</th><th>Trigger-Based</th></tr>
<tr><td colspan="4">Upfront Investments</td><td rowspan="4">Trigger:
Regional water affordability assessments show decline in affordability (>10% change)

Action(s):
• Establish subscription water bill assistance program with a nonprofit partner
• Review P&A implementation next steps with revised affordability lens</td></tr>
<tr><td colspan="2">• Guidance for member agencies to conduct affordability assessment with agency data</td><td colspan="2">• Workshops on regional affordability thresholds and customer assistance programs
• Template partnership agreements for member agencies for non-profit partnerships</td></tr>
<tr><td colspan="4">Ongoing Implementation</td></tr>
<tr><td>Core</td><td>Subscription</td><td>Core</td><td>Subscription</td></tr>
<tr><td>• Regional water affordability assessment updates</td><td></td><td>• Support for agencies in design / implementation of customer assistance programs</td><td></td></tr>
</table>

Emergency Preparedness

<table>
<tr><th colspan="2">Near-Term
(Years 1-5)</th><th colspan="2">Mid-Term
(As Resources Allow)</th><th>Trigger-Based</th></tr>
<tr><td colspan="4">Upfront Investments</td><td rowspan="4">

<br

What's Not Included

Actions Recommended to be Led by Others

- Implement cybersecurity resilience actions
- Cross-Connection Control Support Program
- Lead and Copper Rule Revision Compliance Support Program

WMR Input Requested

The Draft Implementation Plan will be presented to the Board during the November 19th meeting. Before then, BAWSCA is requesting input on:

- What refinement do the WMRs suggest to the Implementation Plan?
- What additional information would be helpful?

Agenda Item #4

Bay Delta Plan/ FERC Process Update



Bay-Delta Plan and FERC Update

BAWSCA
Bay Area Water Supply & Conservation Agency

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).
- 3 Change Sheets were issued by the State Board to the final draft plan (Sheet #1 on October 16th, Sheet #2 on October 27th, and Sheet #3 on October 29th).
  - Change Sheets addressed the comments received that were deemed notable
  - Change Sheet #3 addressed notable comments received during the 1st day of the public hearing (e.g., Oct. 28th)
- A public hearing was held on Oct. 28-29 to consider Phase 2 Adoption.
  - The State Board adopted a Final Plan, incorporating the Change Sheets, at the close of the hearing.
- BAWSCA is following Phase 2 matters because they may affect Phase 1.

Bay-Delta Plan – Phase 1

- BAWSCA is waiting for the State Board's release of the peer review of their draft Scientific Basis Report.

Bay-Delta Plan and FERC Update (Continued)

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Bay Area Water Supply & Conservation Agency

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 was delayed by 60 days (until Nov. 20, 2026).
- BAWSCA's reply brief is anticipated to be due in Jan. 2027.

Agenda Item #5

Agency Preparation Plans for this Winter's El Nino



BAWSCA Member Agency El Nino Preparation Plans

- How have BAWSCA Member Agencies prepared in advance with this Winter's Strong El Nino forecast?
  - Have agencies issued emergency declarations in advance?
  - Are there actions taking place at your agency, including but not limited to coordination internally or externally?
  - Is there a desire to have BAWSCA be engaged in the planning and/or to provide engagement following potentially damaging events?

Agenda Item #6

PFAS Litigation Update



BAWSCA
Bay Area Water Supply & Conservation Agency

Update on Four Recent PFAS MDL settlements

- Settlement Particulars
  - Parties = Amerex Corporation, Carrier Global Corporation, Archroma U.S., Inc., and Nation Ford Chemical Company (together, the "CAAN settlements")
  - CAAN settlements are being administered on a common schedule
  - Relevant documents for these settlements can be found here: https://www.pfaswatersettlement.com
  - Each CAAN settlement automatically includes every qualifying public water system unless that system opts out by December 22, 2026
- What BAWSCA Agencies should consider
  - This settlement applies to every public water system that meets the settlement class definition, including public water systems that opted out of those earlier settlements
  - Accordingly, those public water system that opted out of the prior settlements may also want to consider opting out of these recent CAAN settlements. A system wishing to opt out of the CAAN settlements must submit four separate requests to opt out
  - If the public water systems do not affirmatively opt out of these settlements before December 22, 2026, then they will be bound by the settlements' broad release of future claims against the settling entities

Agenda Item #7

PHP Vulnerability



Personal Home Page (PHP) Cybersecurity Vulnerability

BAWSCA
Bay Area Water Supply & Conservation Agency

The US Cybersecurity & Infrastructure Agency's (CISA) Alert

- In late October, CISA urged organizations to take the following actions:
  - Identify and inventory systems running any version of PHP across your organization
  - Noted that PHP is often a component of other software and prevalence may not be directly observable
  - Apply the software patch that was created immediately, prioritizing internet-facing systems
  - Organizations that cannot update immediately, or that continue to use PHP 8.1 or earlier unsupported versions, should take PHP-based systems offline until they can be patched or updated
  - A web application firewall may provide some protection until systems are updated or patched
  - Review the official PHP security advisory for guidance on patching
  - Monitor for suspicious activity, including PHP worker processes launching shells or downloading tools

PHP Cybersecurity Vulnerability (Con't)

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BAWSCA Actions and Assurances

Reviewed	**BAWSCA or Vendor Hosted?**	**Comments**
BAWSCA's Water Conservation Database	Hosted by Vendor (Woodard & Curren, LLC)	The WCDB does not use PHP nor is it affected by the vulnerabilities
BAWSCA's Network	Internal to BAWSCA	BAWSCA's network is not exposed to the internet and does not use PHP. Further, the existing firewall does not use PHP and neither does the remote access connection employees use to connect with BAWSCA's office systems
BAWSCA's Website (including customer portal)	Hosted on a site secured by a BAWSCA vendor (Immersive)	BAWSCA 's website has been migrated to a new server and will run on PHP 8.3+. Vulnerability does not apply to that PHP version. The migration was completed on Monday Oct. 26, 2026. BAWSCA has seen no evidence of / indication of exploitation

Agenda Item #8

SFPUC's Annual Meeting with BAWSCA and Wholesale Customers



BAWSCA
Bay Area Water Supply & Conservation Agency

What date works best for WMRs?

- Typically scheduled on the 3rd Thursday of February.
  - February 18, 2027
  - February 11, 2027 as an alternative date
- Outlook invites will be sent by the SFPUC to reserve the meeting date once BAWSCA provides the date that works best for the WMRs.
- At the January 2027 WMR Meeting, BAWSCA will seek input on the topics for SFPUC to cover.

Agenda Item #9

Open Discussion/ Future Agenda



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Matters of Potential Interest Worthy of Discussion

- Are there matters of potential interest that WMRs wish to share during this meeting?
- Are there topics that WMRs wish to have BAWSCA address at future meetings?



Adjournment

Next Meeting:
December 3, 2026
Via Zoom