



Water Management Representatives Meeting

October 1, 2026



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



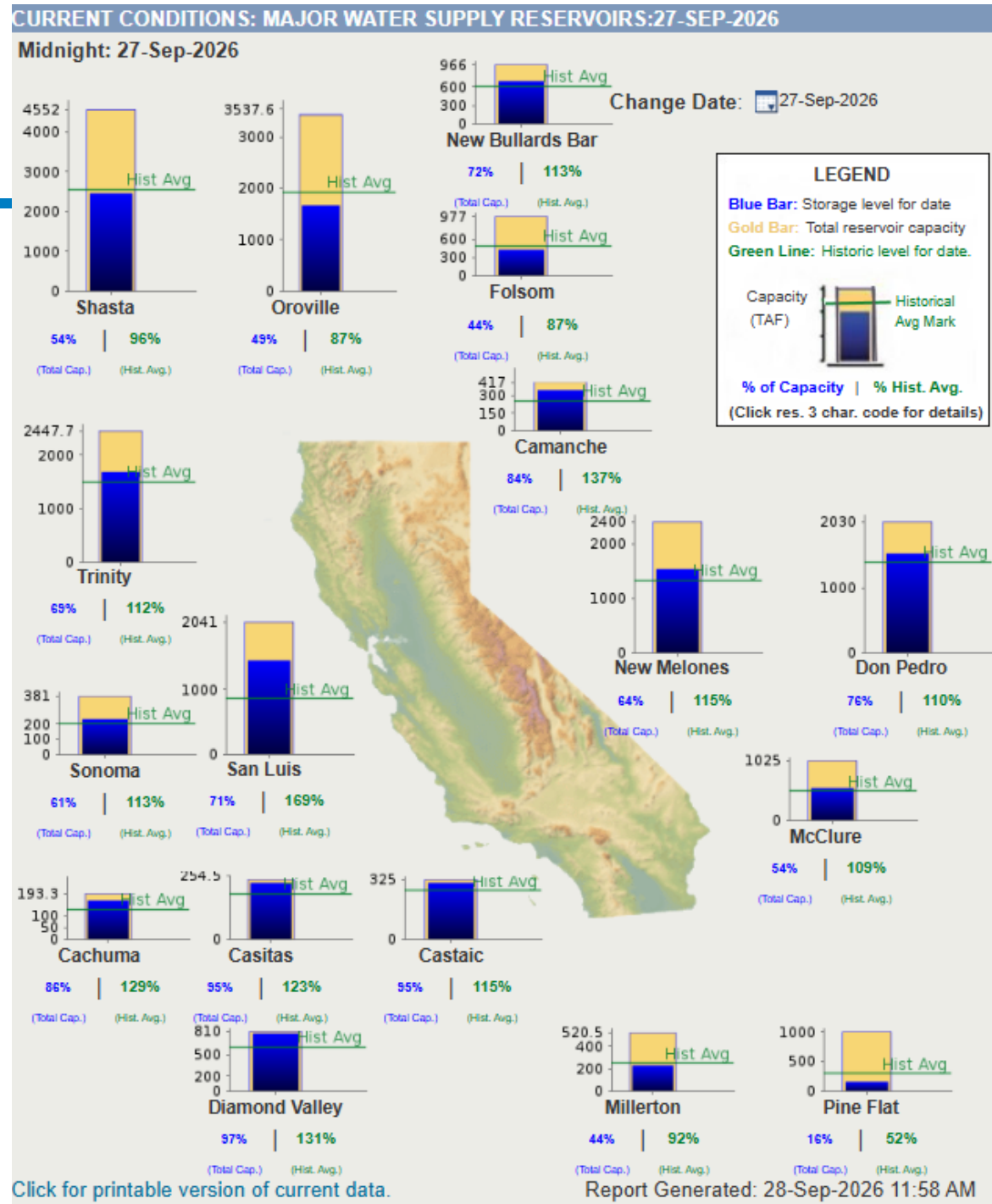
Water Supply Conditions Update

October 1, 2026

Current 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
<u>Tuolumne System</u>					
Hetch Hetchy	288,100	360,360	72,260	79.9%	80.1%
Cherry	236,700	273,345	36,645	86.6%	-
Eleanor	18,930	27,100	8,170	69.9%	-
Water Bank	570,000	570,000	0	100.0%	99.8%
Total Tuolumne Storage	1,113,730	1,230,805	117,075	90.5%	-
<u>Local System</u>					
Calaveras	54,117	96,670	42,553	56.0%	-
San Antonio	42,680	53,266	10,586	80.1%	-
Crystal Springs	40,614	68,953	28,339	58.9%	-
San Andreas	16,223	18,675	2,452	86.9%	-
Pilarcitos	1,739	3,125	1,386	55.6%	-
Total Local Storage	155,373	240,689	85,316	64.6%	-
Total System Storage	1,269,103	1,471,494	202,391	86.2%	81.1%
Total without water bank	699,103	901,494	202,391	77.5%	-

Other California Reservoirs



California Drought Monitor

Map released: Thurs. September 24, 2026

Data valid: September 22, 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

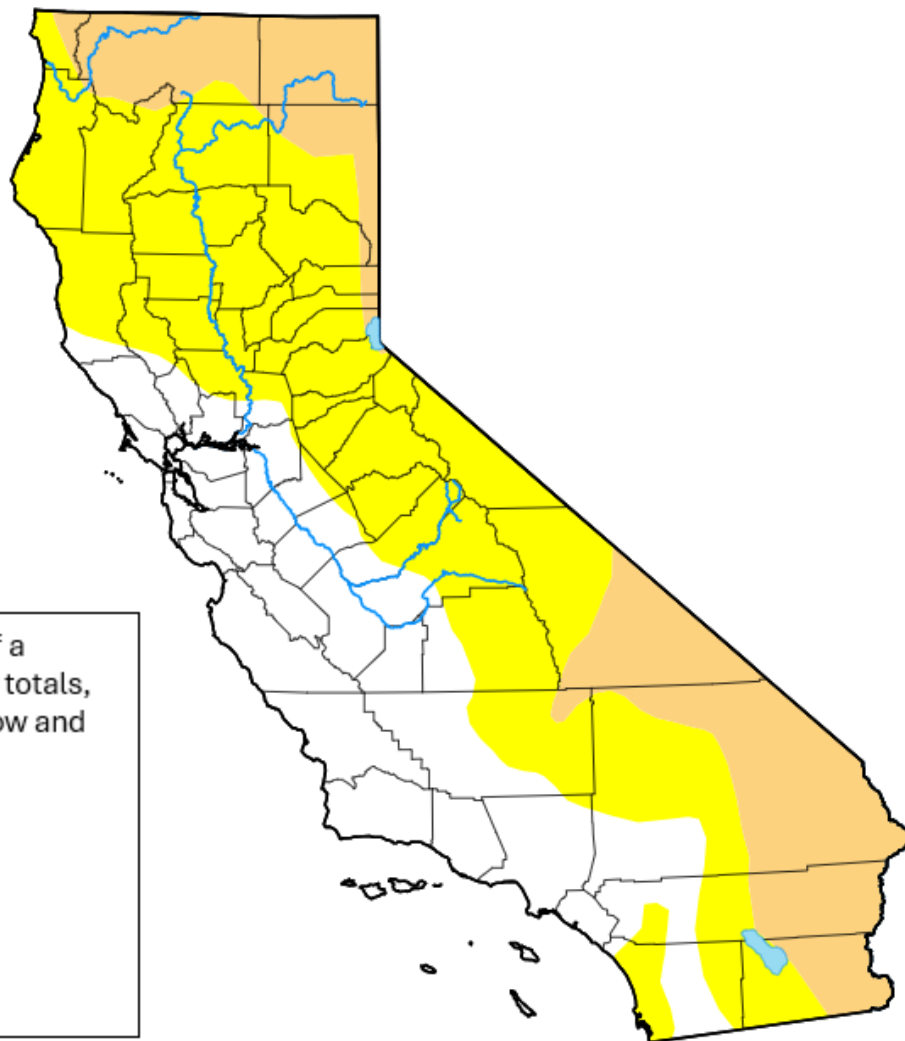
Authors

United States and Puerto Rico Author(s):

[David Mocko](#), NASA/GSFC/SSAI

Pacific Islands and Virgin Islands Author(s):

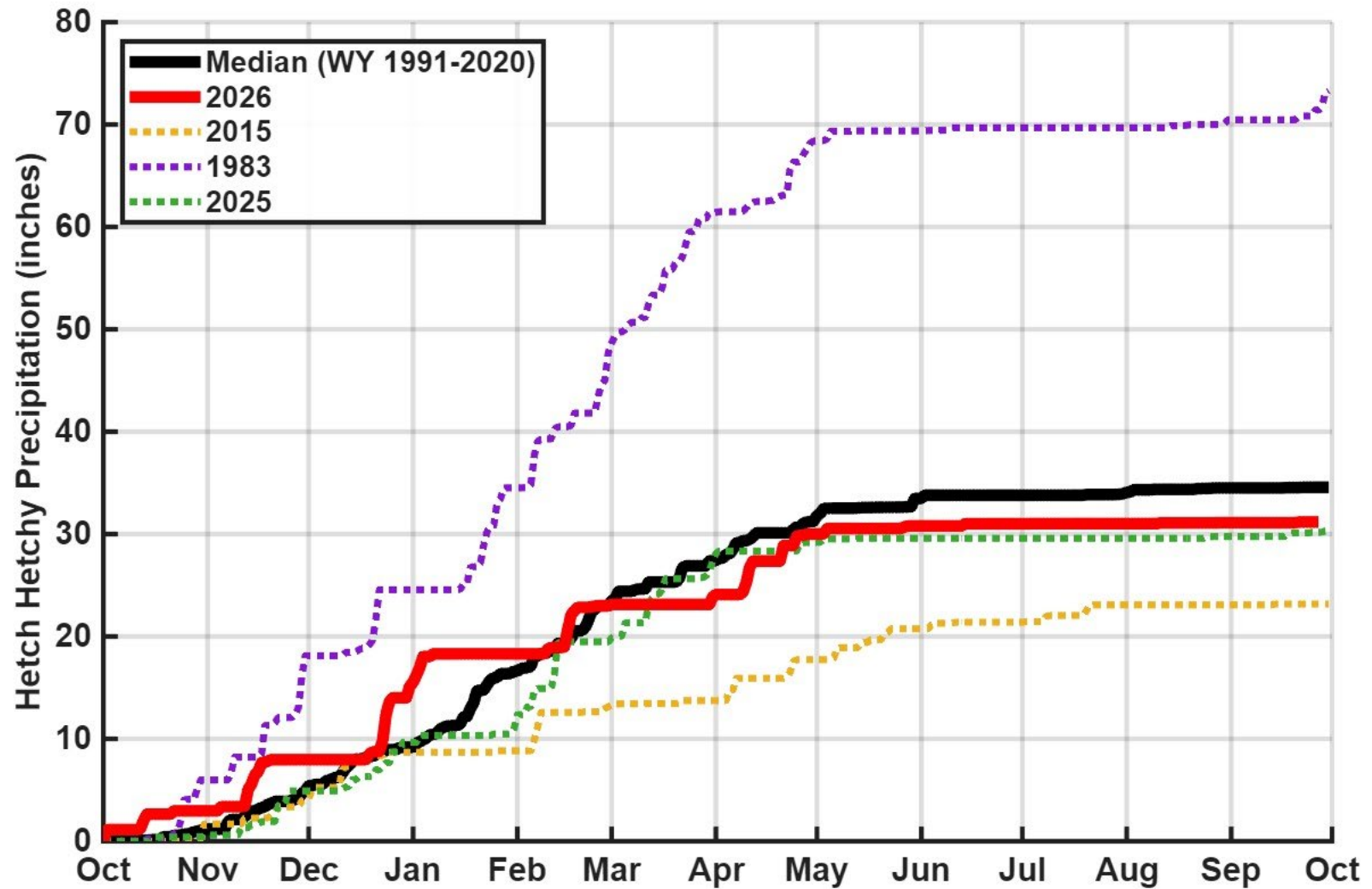
[Lindsay Johnson](#), National Drought Mitigation Center



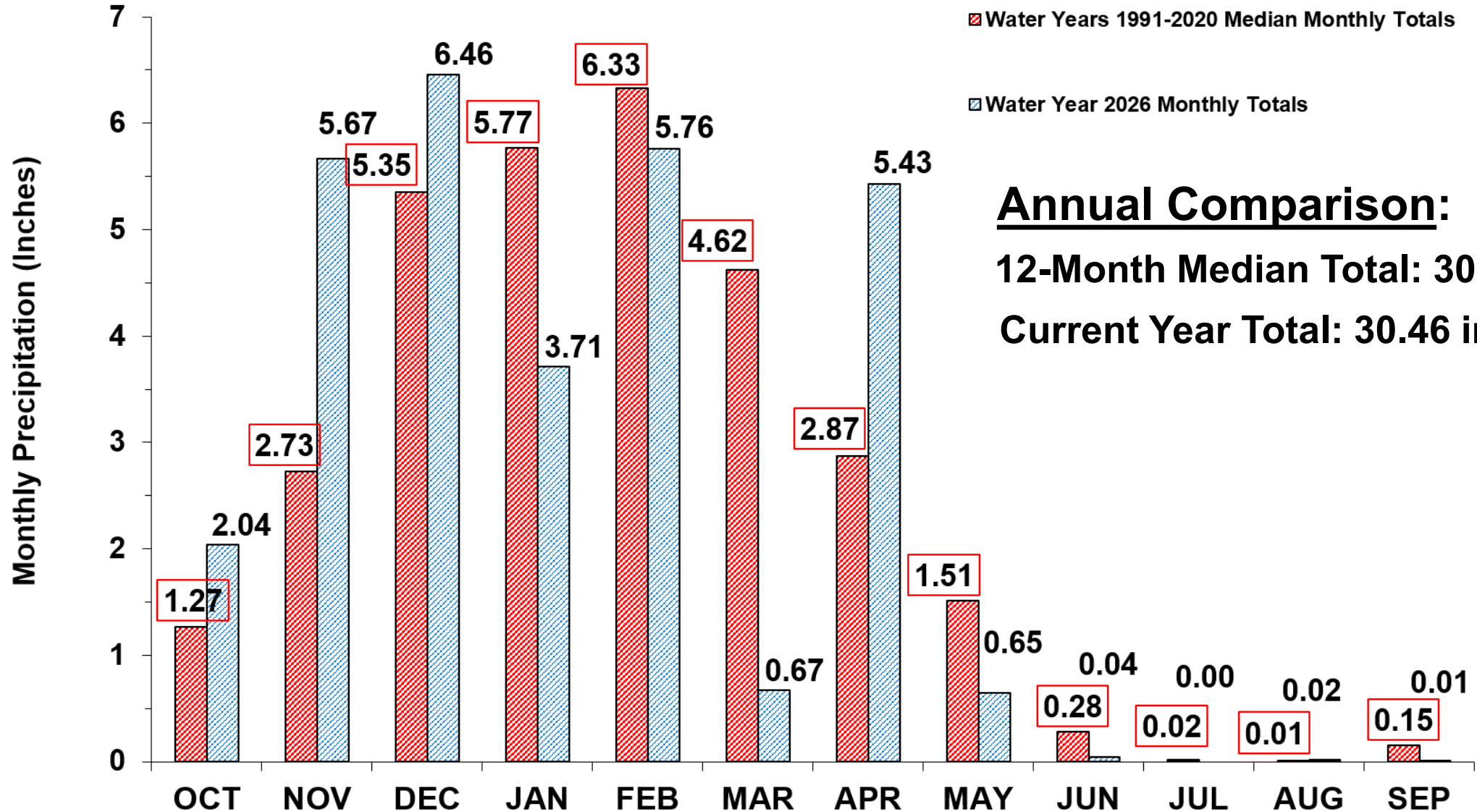
Color scale is based on the historical average of a combination of data including rainfall and snow totals, soil moisture levels, reservoir storage, streamflow and other data:

-  >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

Hetch Hetchy Precipitation



Upcountry 6-station Precipitation Index as of September 27, 2026

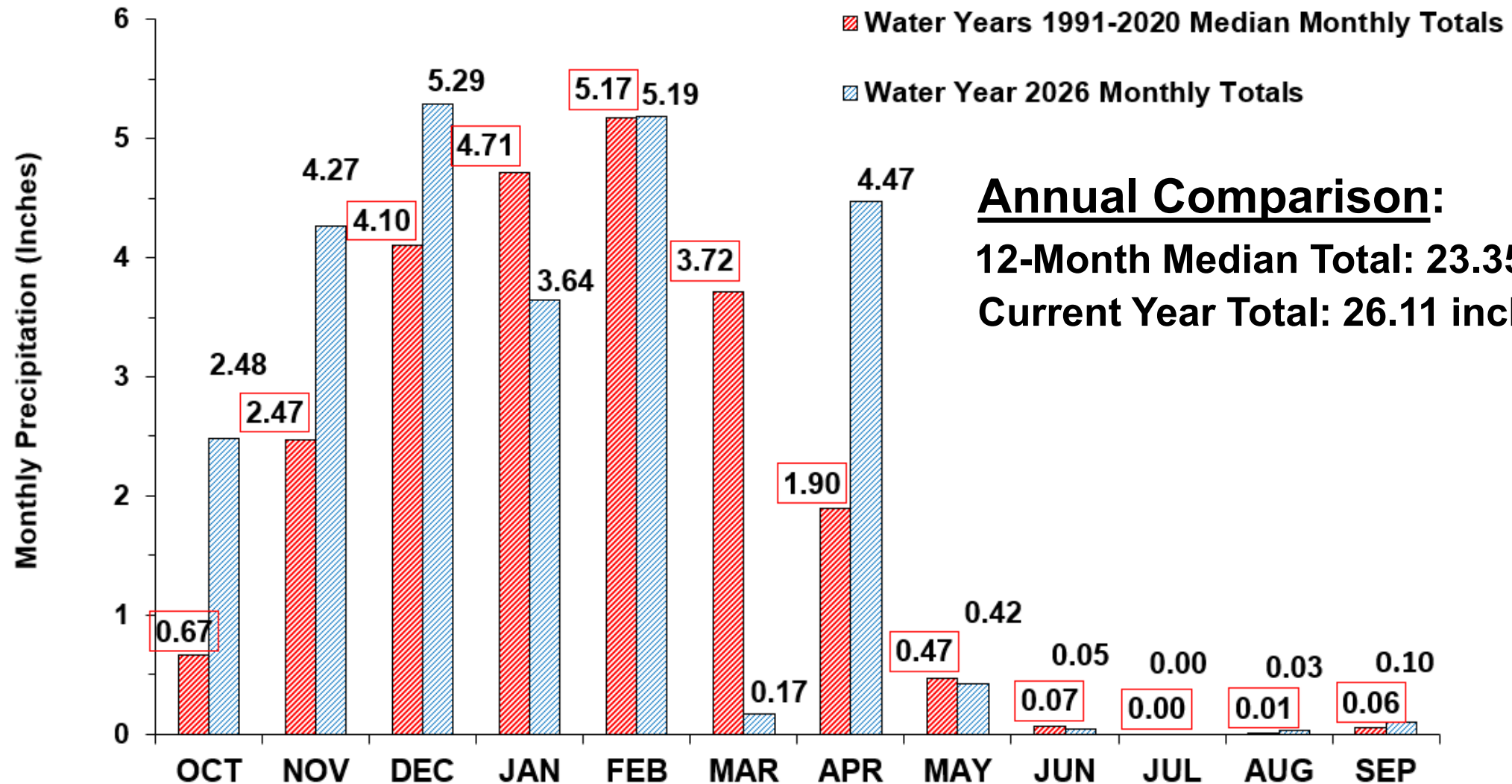


Annual Comparison:

12-Month Median Total: 30.92 inches

Current Year Total: 30.46 inches

Bay Area 7-station Precipitation Index as of September 27, 2026



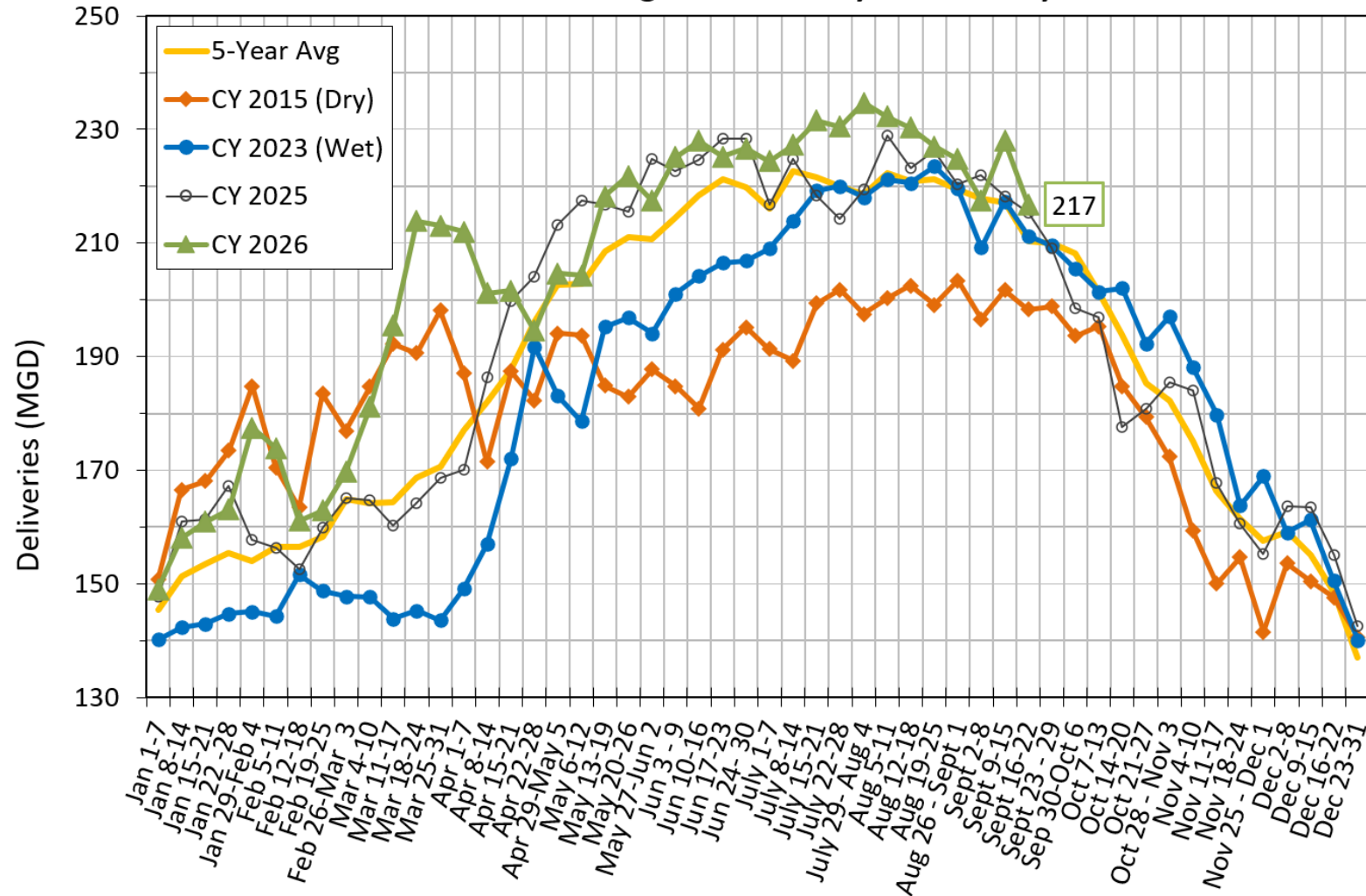
Annual Comparison:

12-Month Median Total: 23.35 inches

Current Year Total: 26.11 inches

Total Deliveries

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



Wholesale Mtg & Emergency Exercise

- **At Millbrae Ops Center 9AM-12PM Thursday October 8th**
- **Please complete questionnaire:**
 - Email on 9/10 11:51AM from Stephanie Murti/SFPUC - Follow-Up on **2022 Source Shifting Capabilities**
- ***Asking:***
 - What are your agency's current capabilities for source shifting?
 - Are there thresholds for issuing a usage and reduction notice? Who would make this determination and how would this be communicated to customers?
 - What does coordination and communication with Local OESs and external agencies look like?

Agenda Item #3

Strategy 2050



GOALS FOR TODAY'S PRESENTATION

- Share the Implementation Plan framework and how it was developed to inform Strategy 2050 decisions.
- Seek WMR input on the Implementation Plan options and the proposed adaptive management approach.
- Review the portfolio cost-benefit evaluation results.
- Seek input on projects and actions (P&As) to include in the “optimized” fifth portfolio.
- Discuss next steps.

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.

WMR INPUT REQUESTED

- Which Implementation Plan categories are most important for BAWSCA to move forward?
- Which Implementation Plan actions are highest priority to move forward?
- What actions, if any, should BAWSCA consider adding or removing from the Implementation Plan?
- Which Implementation Plan level best aligns with the needs of the BAWSCA region?

HOW THE DRAFT PLAN WAS DEVELOPED

The Implementation Plan translates Strategy 2050 findings and recommendations into an organized program that considers relative priorities, roles, and resource needs.

1

Compile

Recommended actions
from each Strategy 2050
task

2

Categorize

Actions grouped by
relative priority and level
of effort

3

Define levels

Three potential
Implementation Plan levels
(A, B, and C)

4

Discuss

At the WMR meeting:
present actions within
each level, consider
modifications, and discuss
preferred approach

IMPLEMENTATION PLAN GUIDING PRINCIPLES

Reliability and Resilience

Advance projects, actions and strategies that strengthen the ability of the BAWSCA regio to manage drought, emergencies, climate uncertainty, and changing regulatory conditions.

No-Regret

Prioritize foundational projects, actions and strategies that improve readiness, coordination, information, funding access, and future resilience, even where major capital investments remain uncertain.

Affordability and Equity

Consider customer cost, agency capacity, community benefit, and impacts on vulnerable customers when selecting and advancing projects, actions and strategies.

Regional Value

Emphasize initiatives that create benefits beyond a single agency, including shared technical assistance, coordinated grant applications, mutual aid, interties, and joint projects.

Adaptive Implementation

Update priorities as new information becomes available, project conditions change, or external drivers evolve, including hydrology, regulations, funding, and technology.

IMPLEMENTATION PLAN CATEGORIES

BAWSCA will present Draft Implementation Plan actions for:

Foundational Actions 

Operational Core 

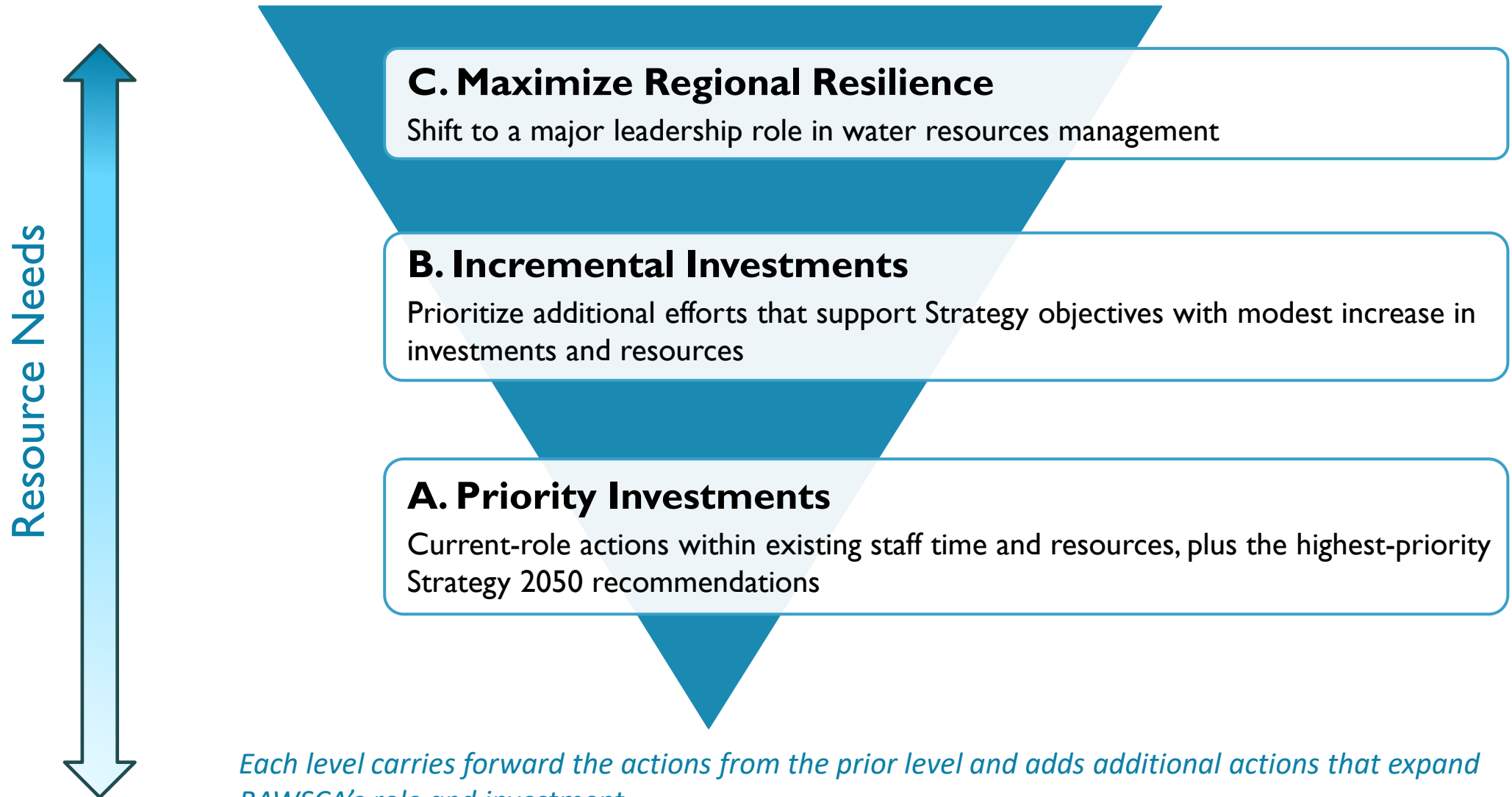
Regulatory Support 

Funding Support 

Affordability 

Emergency Resilience 

IMPLEMENTATION PLAN “LEVELS”



LEVEL A: PRIORITY INVESTMENTS

Recommended actions: current-role actions within existing staff time and resources, plus top-priority recommendations.

Strategy Implementation & Adaptive Management	• Implementation register; project and action (P&A) status/readiness updates • Progress tracking, risk and decision review, and near-term program updates
Operational Core	• Organizational resiliency projects and existing operations • Stakeholder relationships and regional communications
Near-Term Priority Actions	• Conservation Strategic Plan and “low-hanging-fruit” actions • Wastewater/stormwater collaboration; commercial audits and retrofit rebates • San Francisco Regional Water System (RWS) wheeling policy; intertie assessment • Onsite reuse workgroup; asset-management forum
Regulatory	• UWUO/NFT compliance support program (CII priority); support water quality working group • Strengthen policymaker and regulator relationships
Funding & Financing	• WaterNow/Pacific Institute debt financing project; extend Regional Financing Authority (RFA) • Expand grant and loan support
Affordability	• Periodic affordability-assessment updates • Agency guidance using local data
Emergency Resilience	• Regional emergency roles and responsibilities contact roster; searchable library of shared templates • County Offices of Emergency Services (OES) coordination

LEVEL B: INCREMENTAL INVESTMENTS

Recommended actions: carries forward Level A; adds Strategy 2050 actions requiring increased resources.

Strategy Implementation & Adaptive Management	• Develop an annual grant and advocacy calendar tied to priority P&As • Provide technical support for local P&A development
Operational Core	• Enhance and streamline data management and reporting
Regulatory	• Non-potable onsite reuse support: templates, trainings, and workgroup • Purified-water stakeholder outreach and data-center policy support • Expanded legislative/regulatory tracking and advocacy • Bay Area Regional Reliability (BARR) reactivation aligned with P&As
Funding & Financing	• Regional advocacy for funding for priority projects and actions
Affordability	• Guidance on discount, payment-assistance, automatic-enrollment, and emergency-assistance programs • Regional affordability-threshold discussions
Emergency Resilience	• Emergency resilience and cybersecurity session; intertie tabletop exercise; operations analysis and protocols • Coordination with emergency response agencies and WMRs • Training/exercise tracking; resilience training and protocols • Multilingual emergency communications; mutual-aid equipment inventory

LEVEL C: MAXIMIZE REGIONAL RESILIENCE

Recommended actions: carries forward Levels A and B; expands BAWSCA's leadership role.

Regulatory	• Non-potable onsite reuse subscription program (implementation, inspection services, and tracking) • Regional purified water outreach program
Funding & Financing	• Regional Funding Program: coordinated with SFPUC or administered by BAWSCA • Expanded RFA use for BAWSCA-led regional P&As • Project-sponsor assistance for P&A implementation
Affordability	• Water Rate Assistance Program with a non-profit partner • Partner identification and template agreements for BAWSCA agencies
Emergency Resilience	• Post-emergency water-quality confirmation testing; 24-hour backup testing resources • Annual RWS emergency exercises for wholesale-customer scenarios • Recovery protocols: repair sequencing, communications timelines, and Federal Emergency Management Agency (FEMA) documentation • Grant funding for regional emergency-resilience programs

WMR INPUT REQUESTED

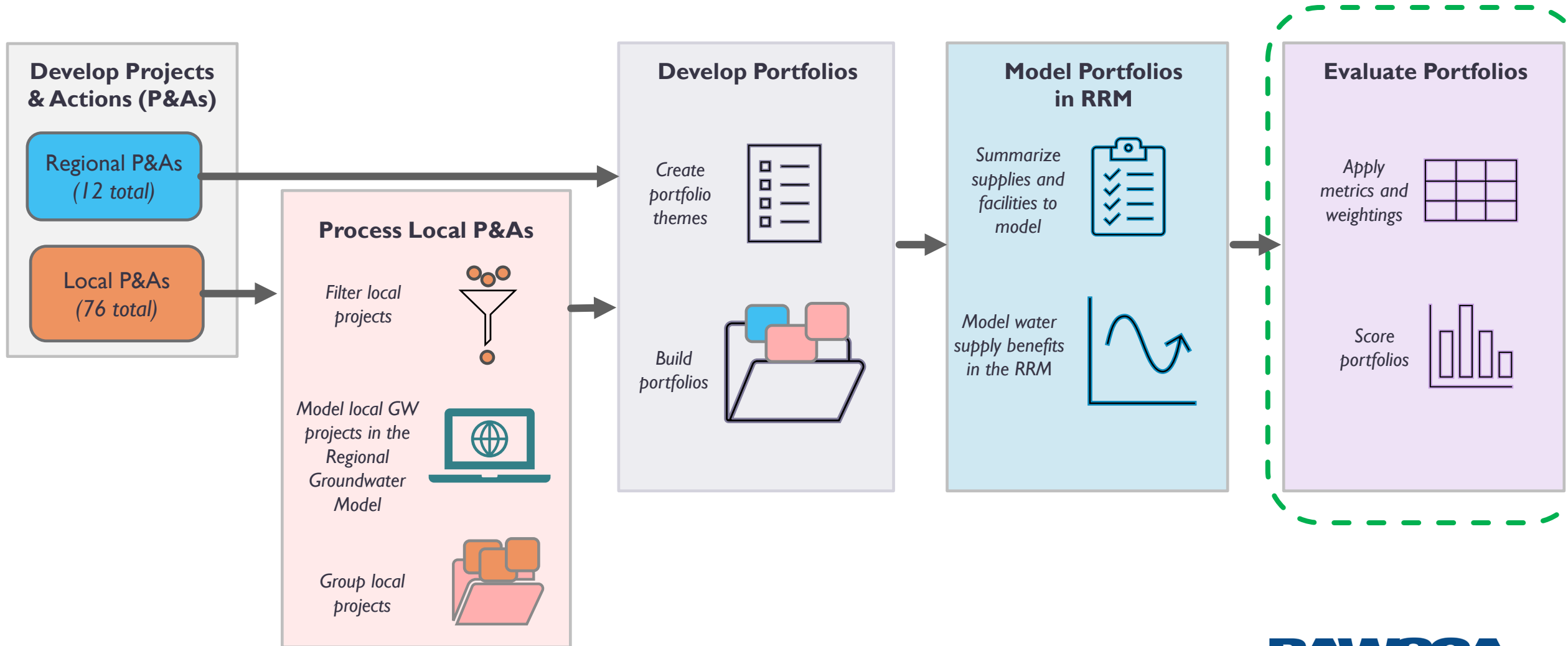
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PORTFOLIO EVALUATION OVERVIEW

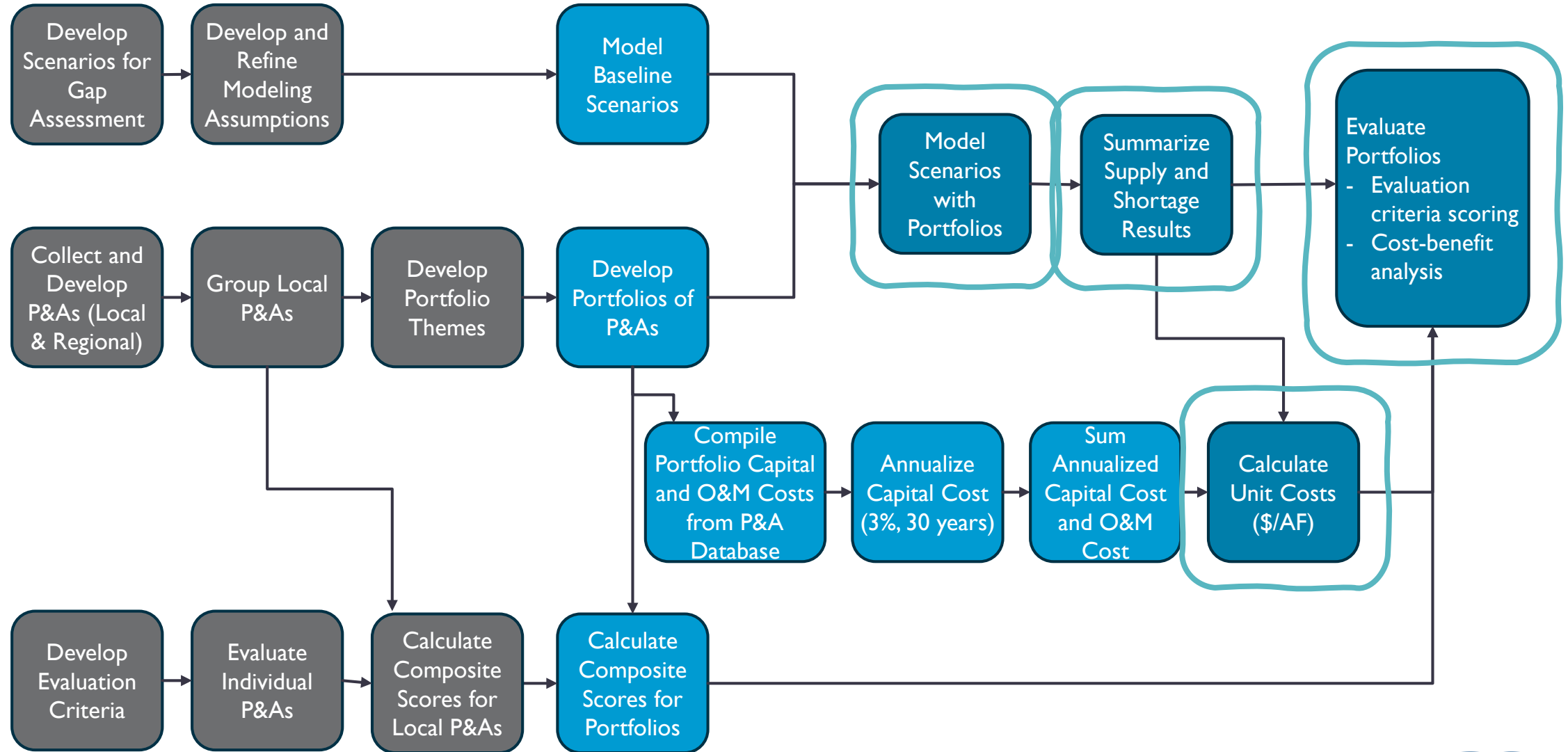
Purpose

- 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 AND EVALUATION PROCESS



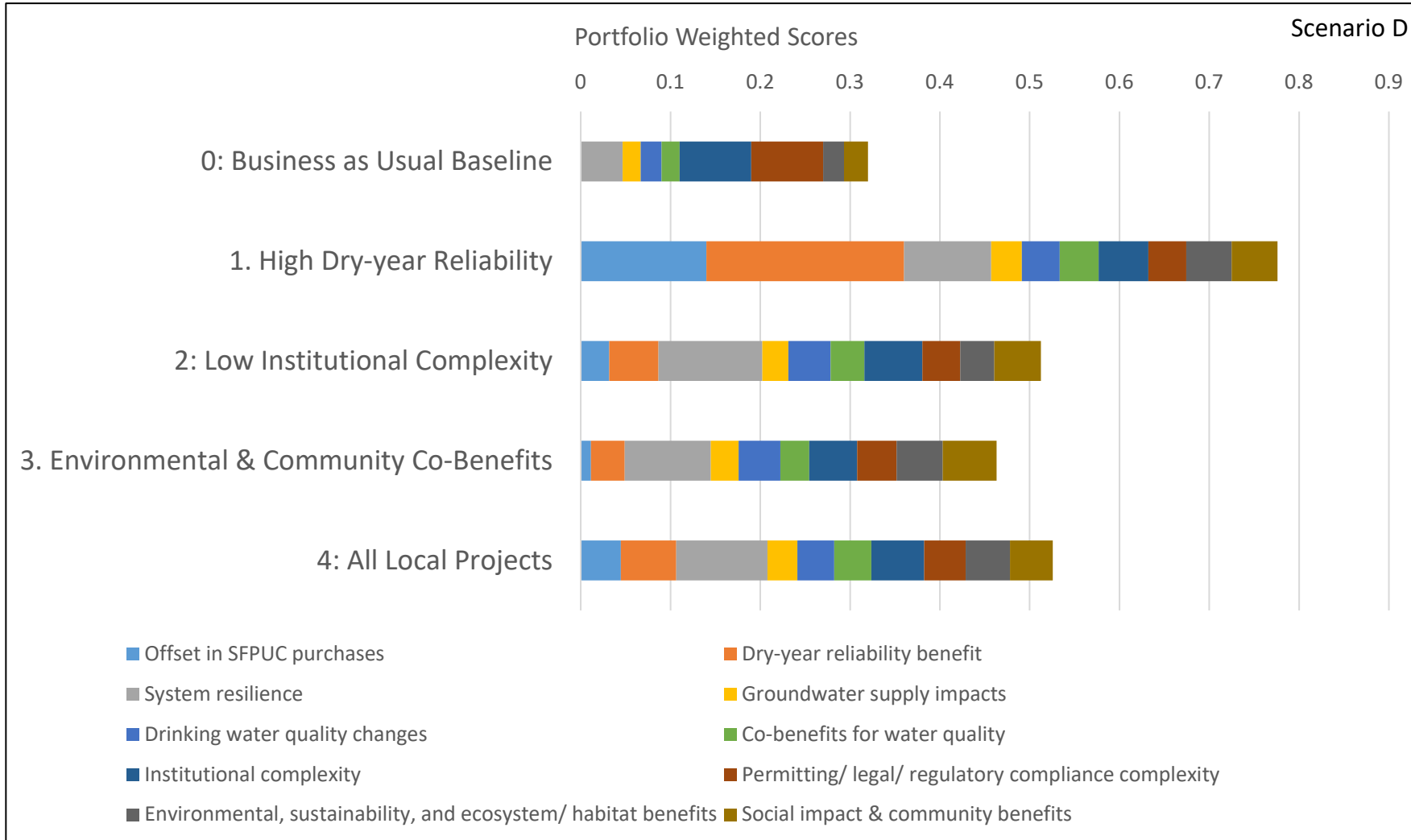
PORTFOLIO COST EVALUATION FRAMEWORK



PORTFOLIO DETAILS

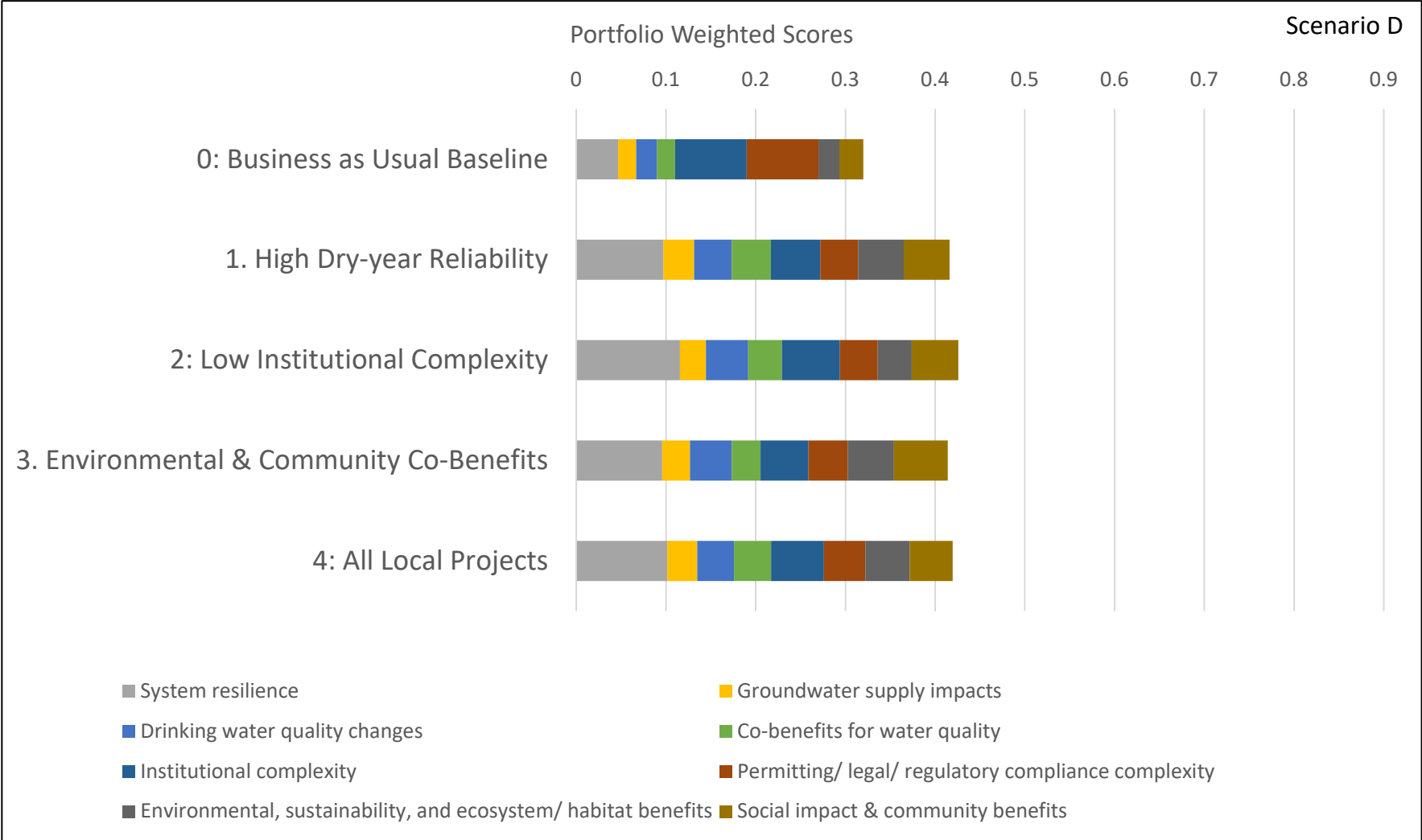
	P&A	1. High Dry-year Reliability	2: Low Institutional Complexity	3. Env & Comm Co-Benefits	4: All Local Projects
Local	1. New or Replacement Wells	X	X		X
	2. Recycled Water for Non-Potable Use		X		X
	3. Recycled or Purified Water for Recharge			X	X
	4. Purified Water for Direct Potable Reuse	X			
	5. 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 Prog for Onsite Reuse		X	X	
	4. San Joaquin GW Banking and Transfer	X		X	
	5. Public/Private Partnership for Banking	X			
	6. Regional GW 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 EVALUATION RESULTS



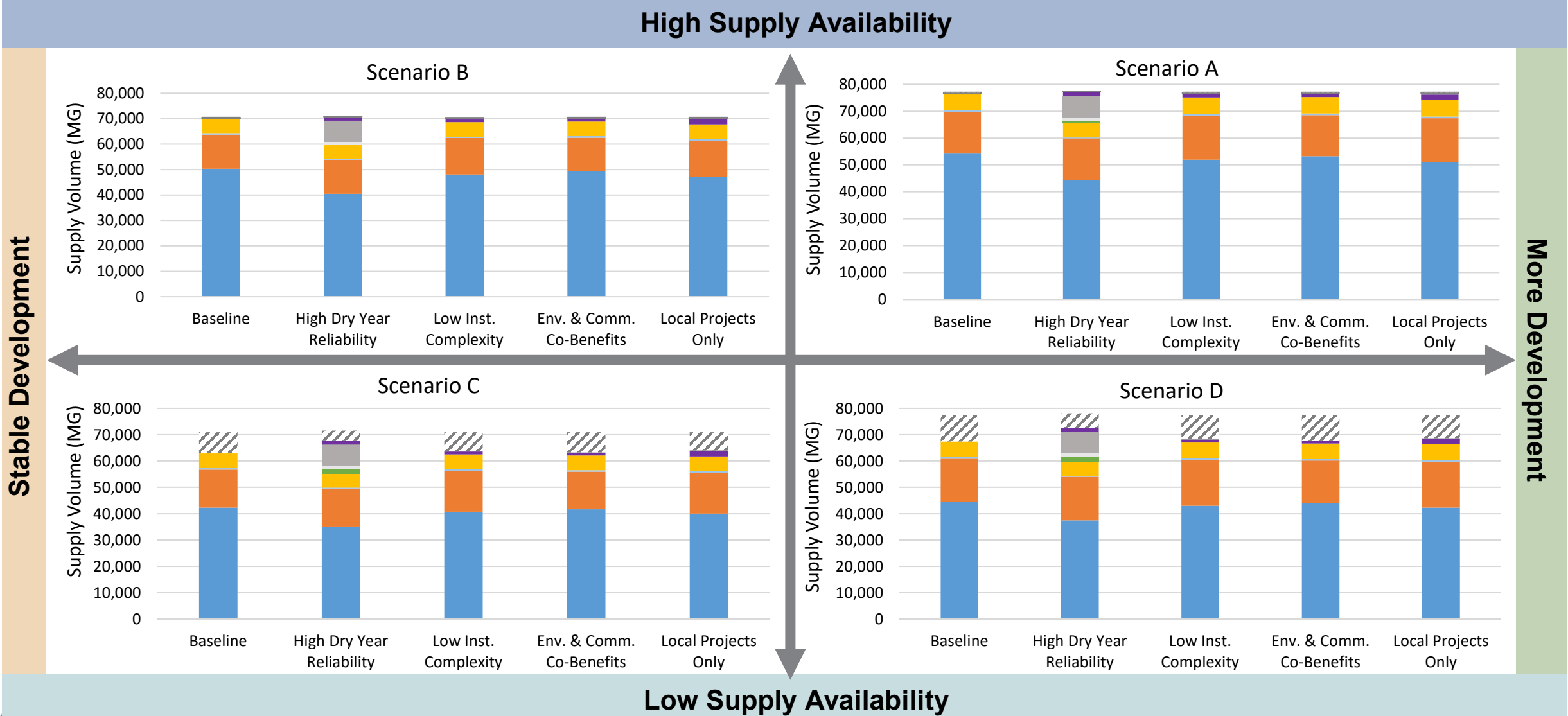
- Evaluation criteria are benefit-based
- Indicate Portfolio 1 (High Dry-year Reliability) is preferable

PORTFOLIO EVALUATION RESULTS – SUPPLY CRITERIA REMOVED



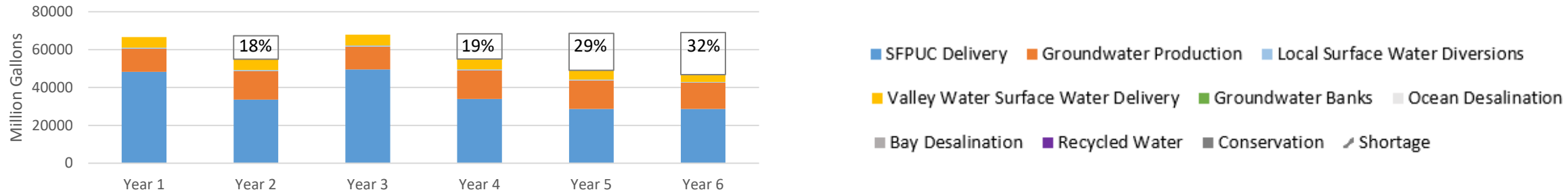
- Scoring results for non-supply criteria are relatively similar
- SFPUC offset and dry-year reliability benefit are the major differentiators

SUPPLY SOURCE WITHIN EACH PORTFOLIO (AVERAGE)

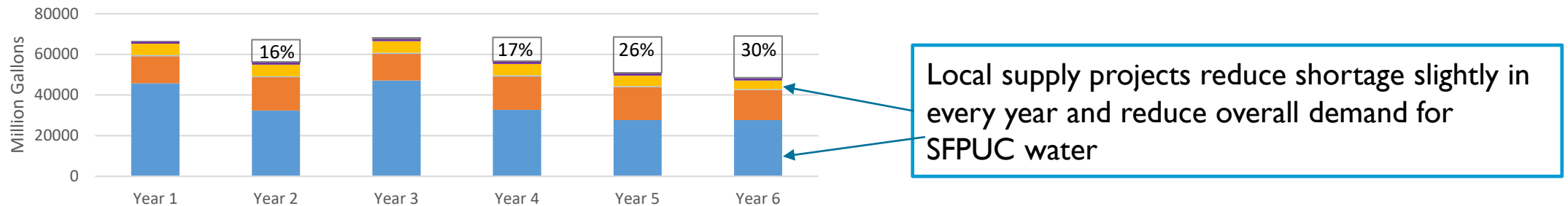


PORTFOLIO SUPPLY MODELING RESULTS, DRY VS NORMAL (SCENARIO C)

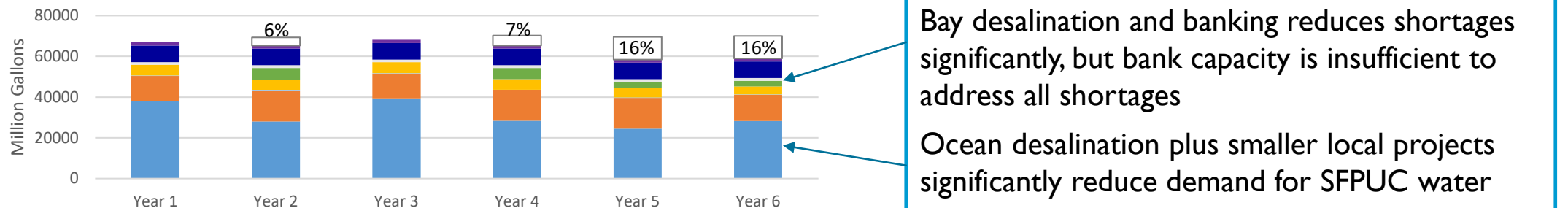
Baseline



Portfolio 2: Low Institutional Complexity



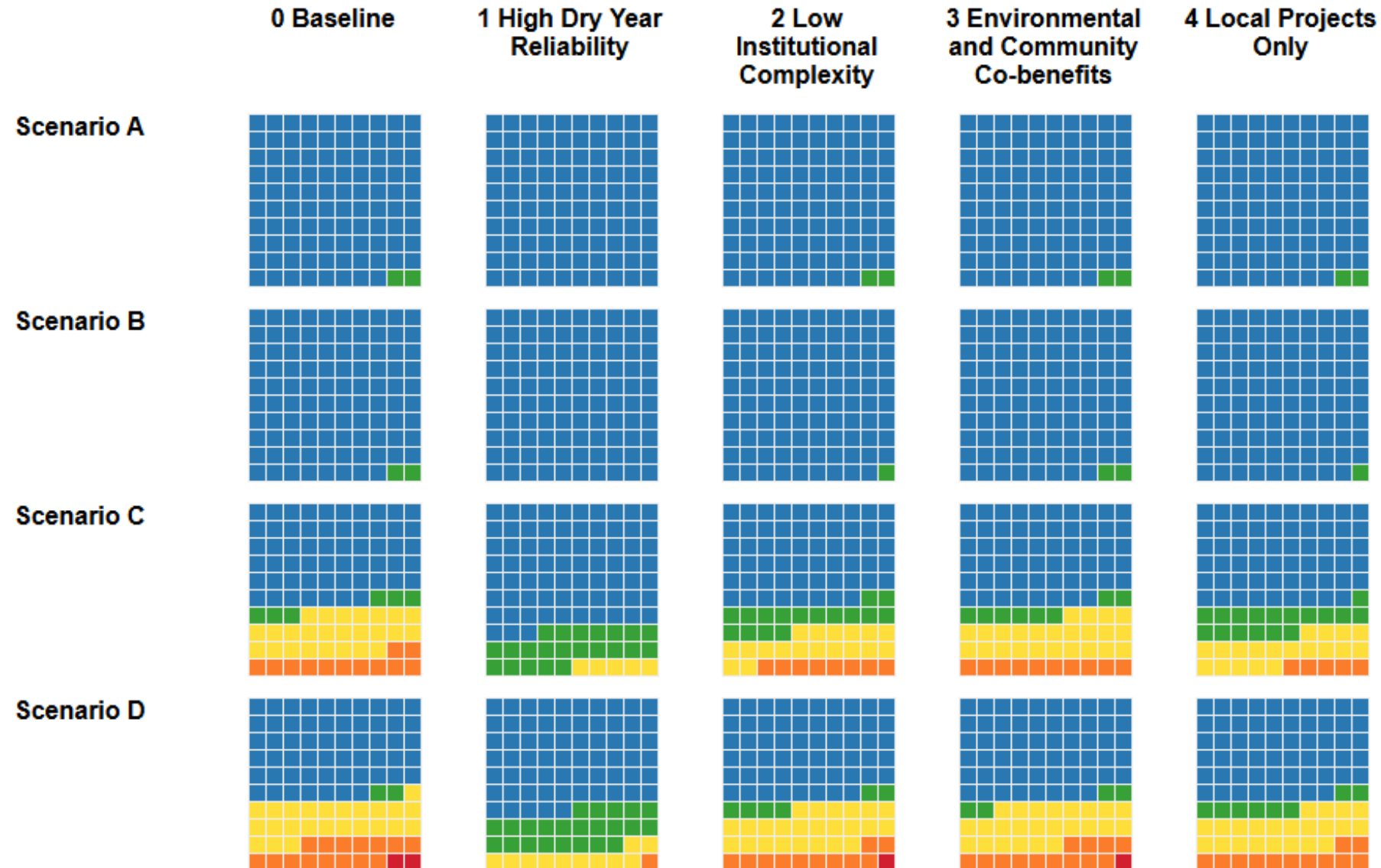
Portfolio 1: High Dry-year Reliability



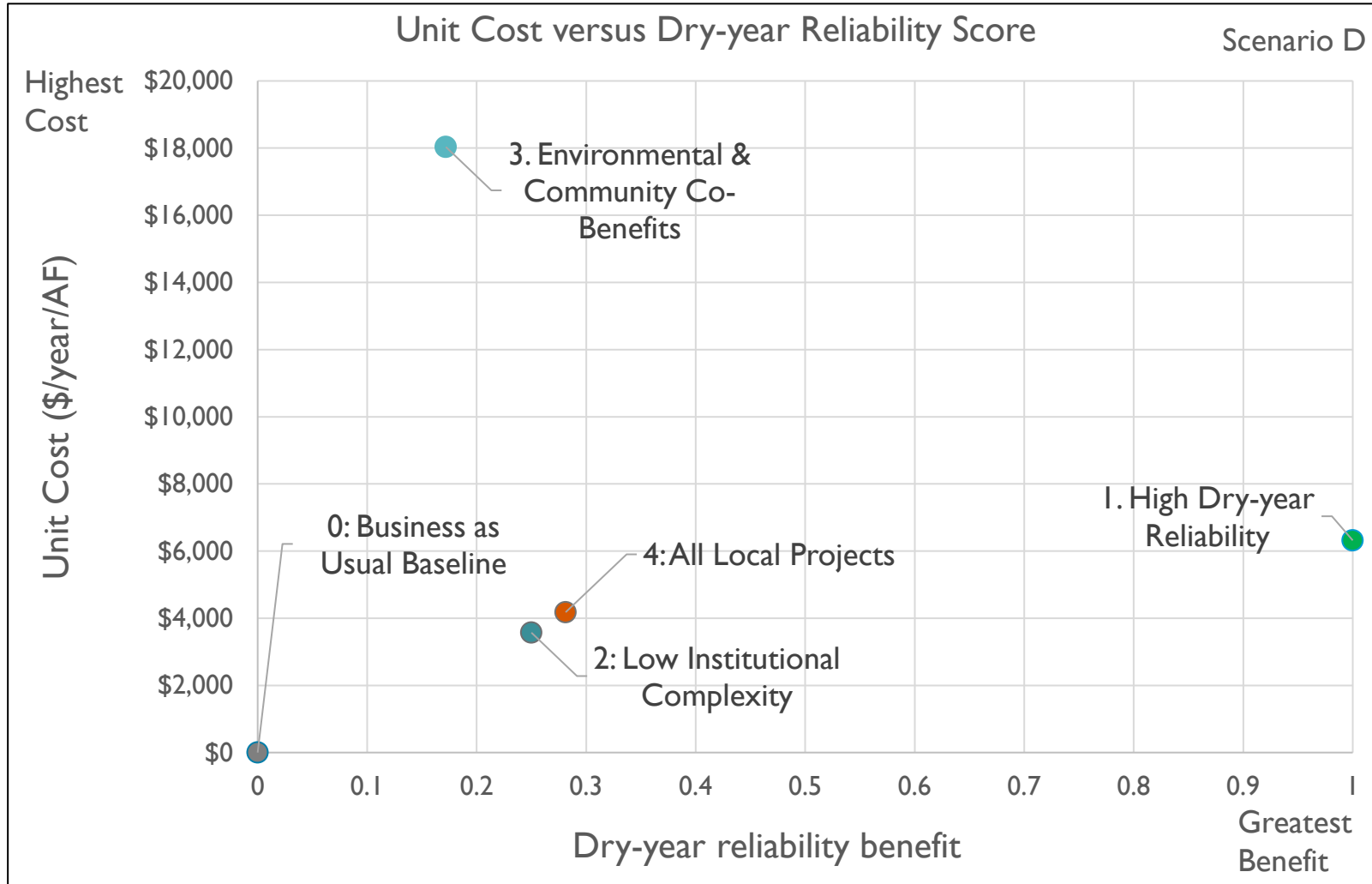
DEFINING SUPPLY NEED

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

Shortage Magnitude: ■ <10% ■ 10-20% ■ 20-30% ■ 30-40% ■ ≥40%



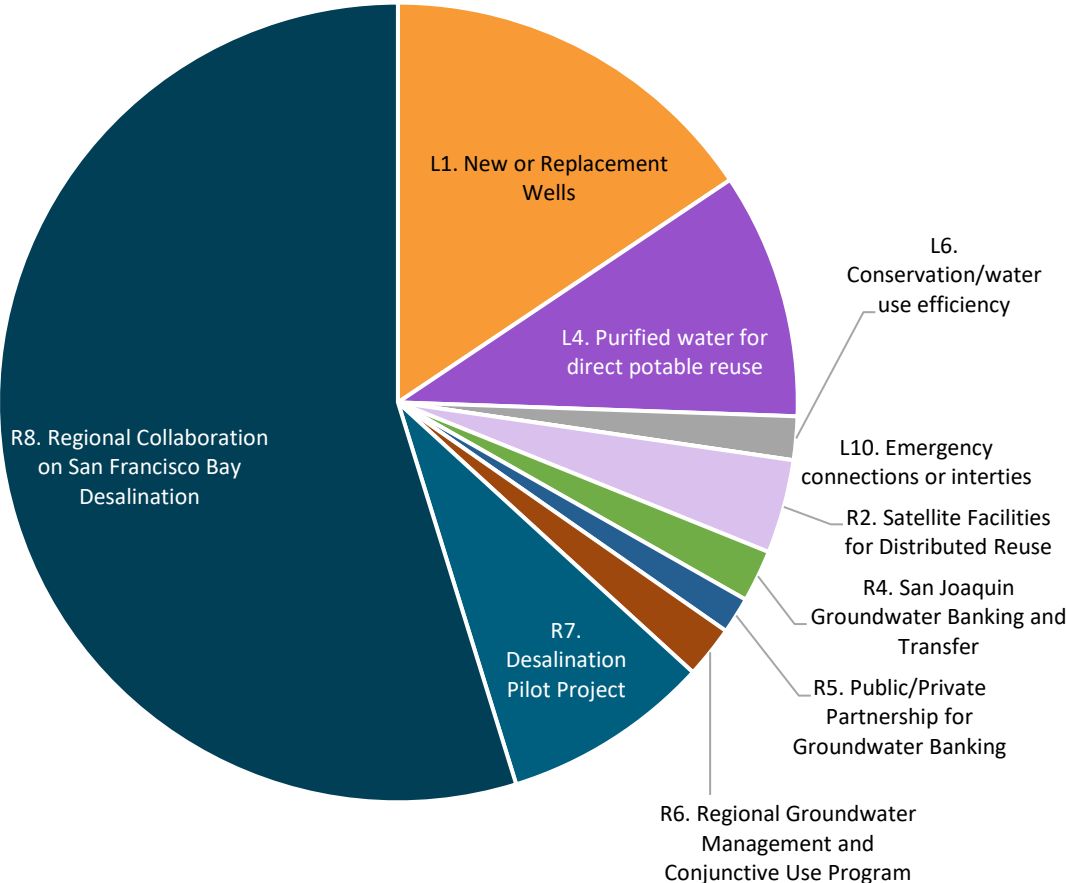
COST VERSUS DRY-YEAR RELIABILITY BENEFIT



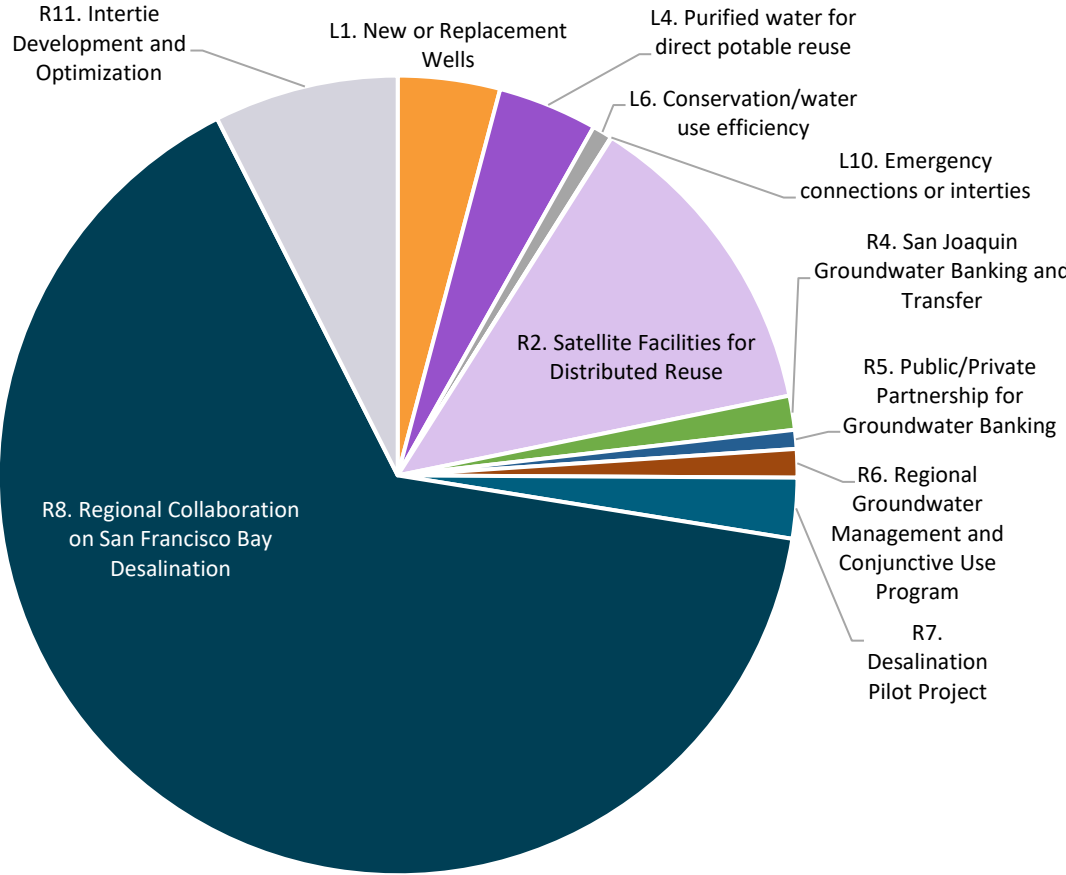
- Portfolios 1, 2 and 4 indicate an incremental increase in cost as supply benefits increase
- Higher reliability = Higher cost

PORTFOLIO 1: HIGH DRY YEAR RELIABILITY

Supply Benefit

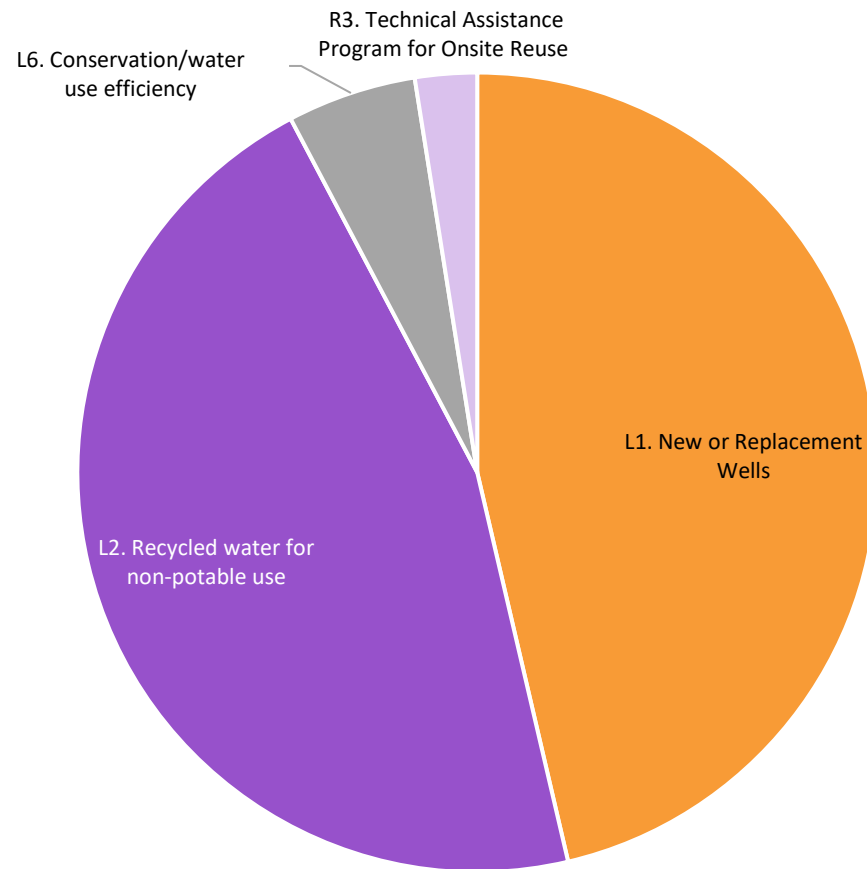


Capital Cost

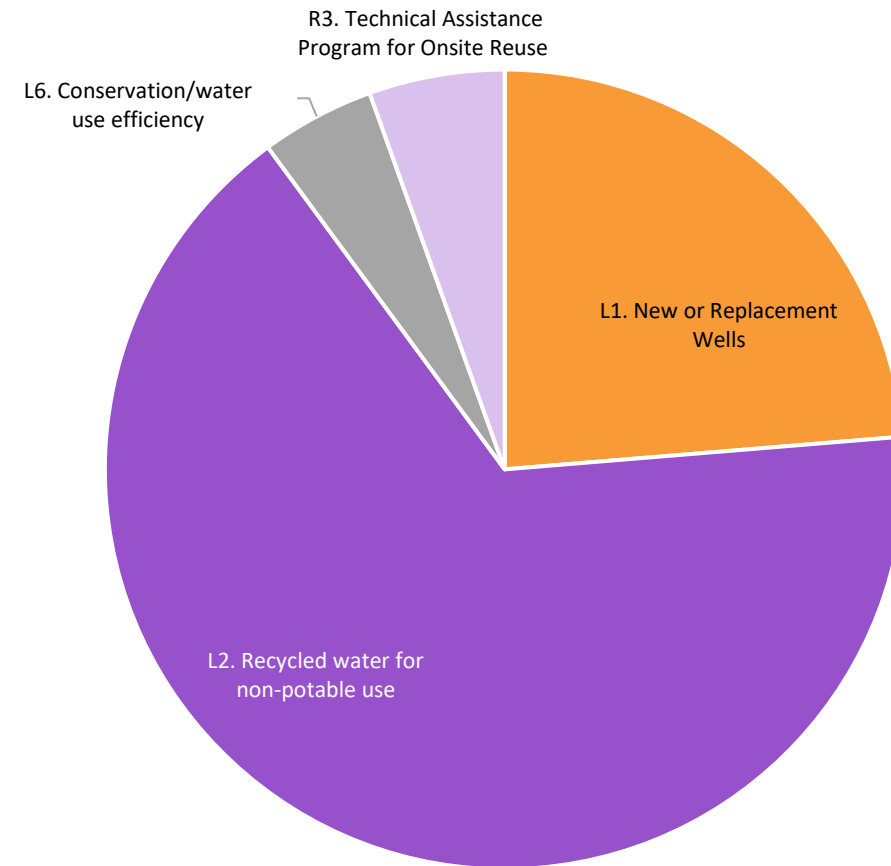


PORTFOLIO 2: LOW INSTITUTIONAL COMPLEXITY

Supply Benefit

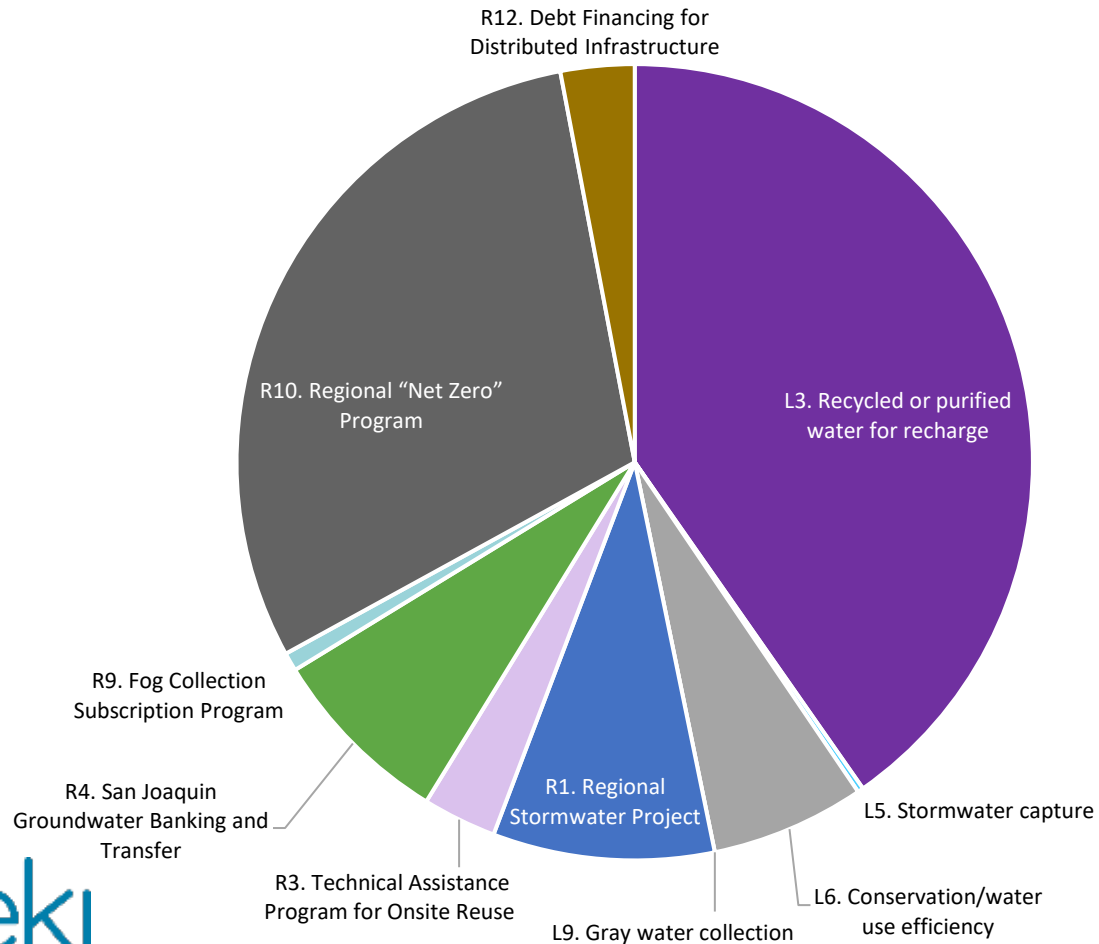


Capital Cost

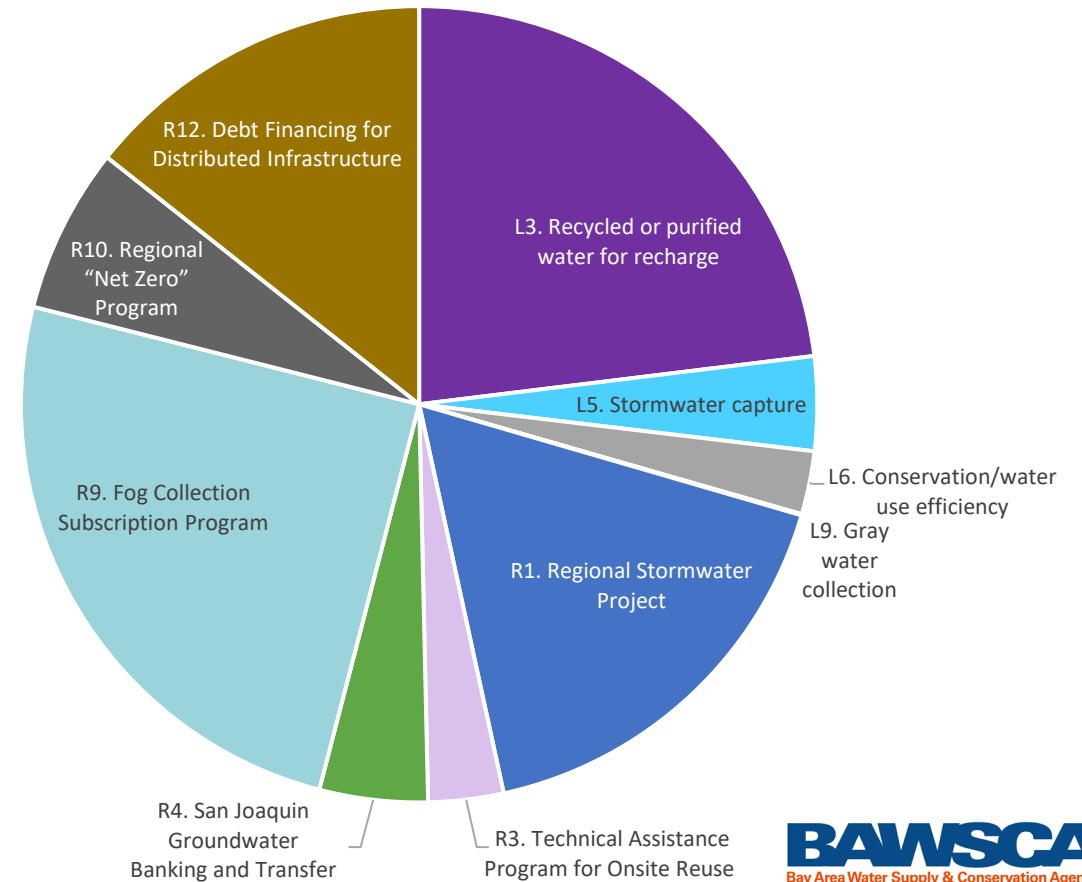


PORTFOLIO 3: ENVIRONMENTAL AND COMMUNITY CO-BENEFITS

Supply Benefit

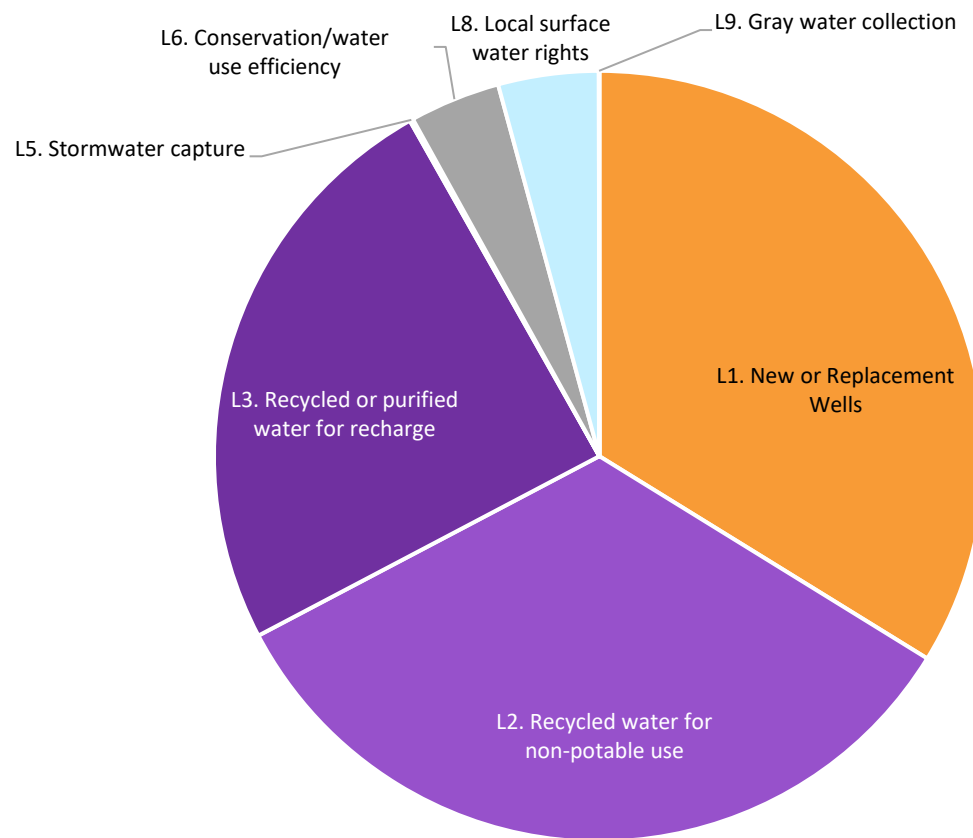


Capital Cost

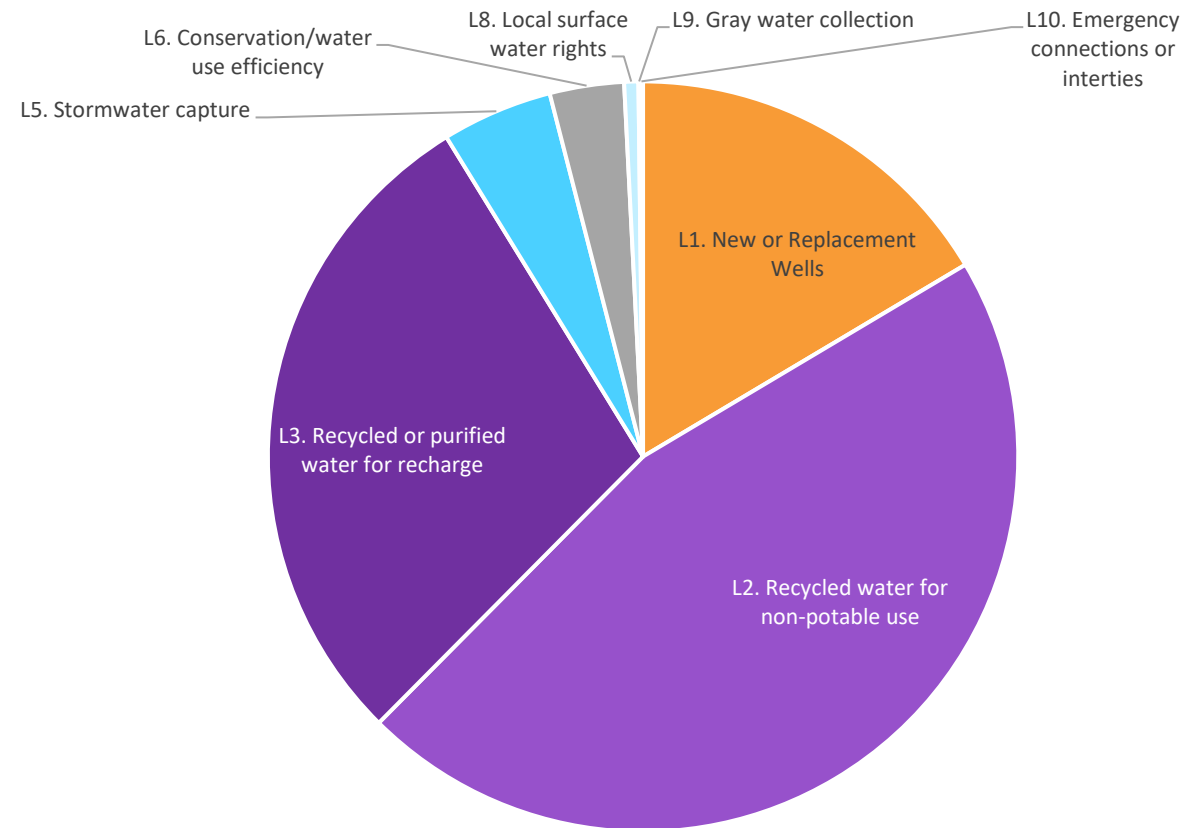


PORTFOLIO 4: ALL LOCAL PROJECTS

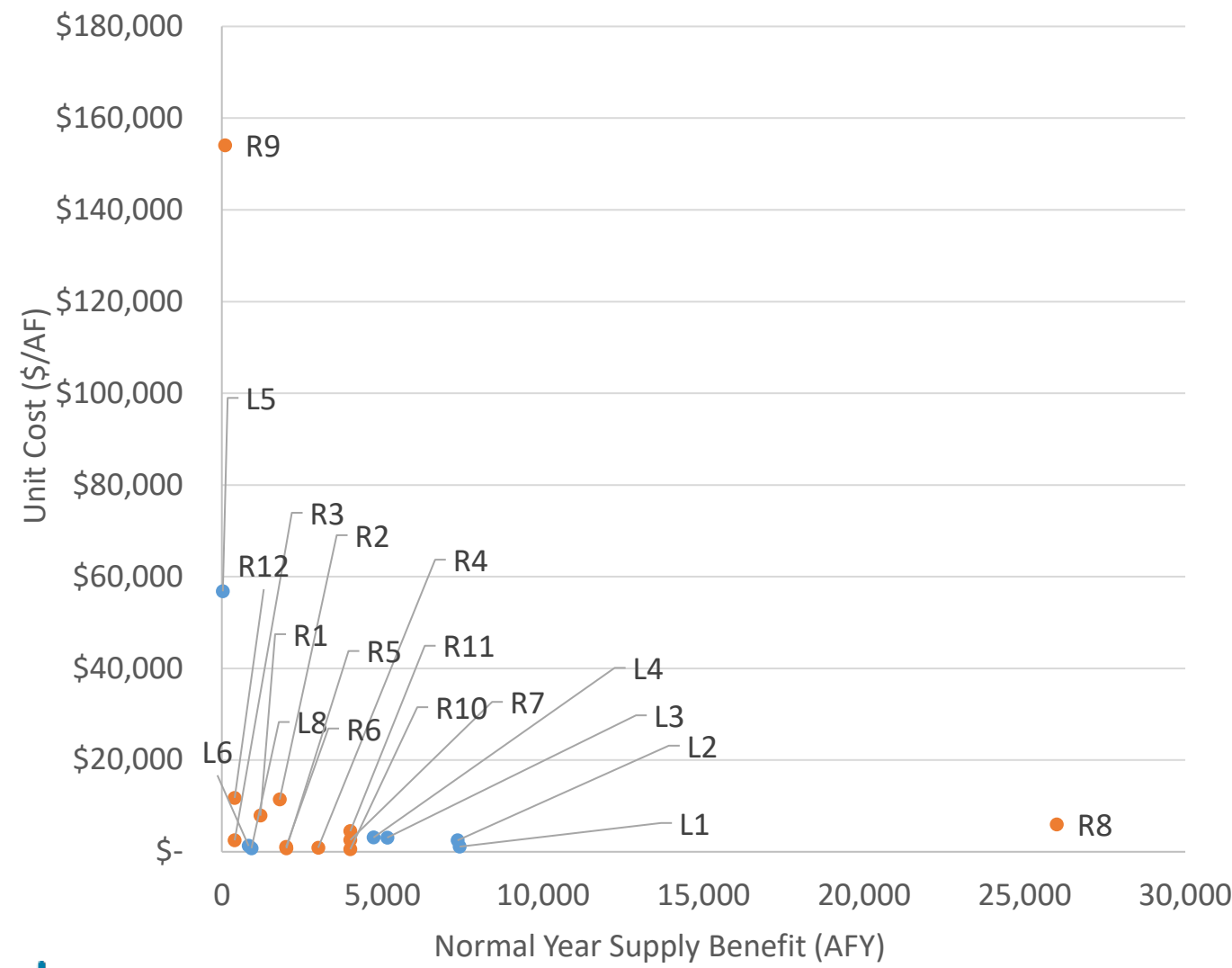
Supply Benefit



Capital Cost

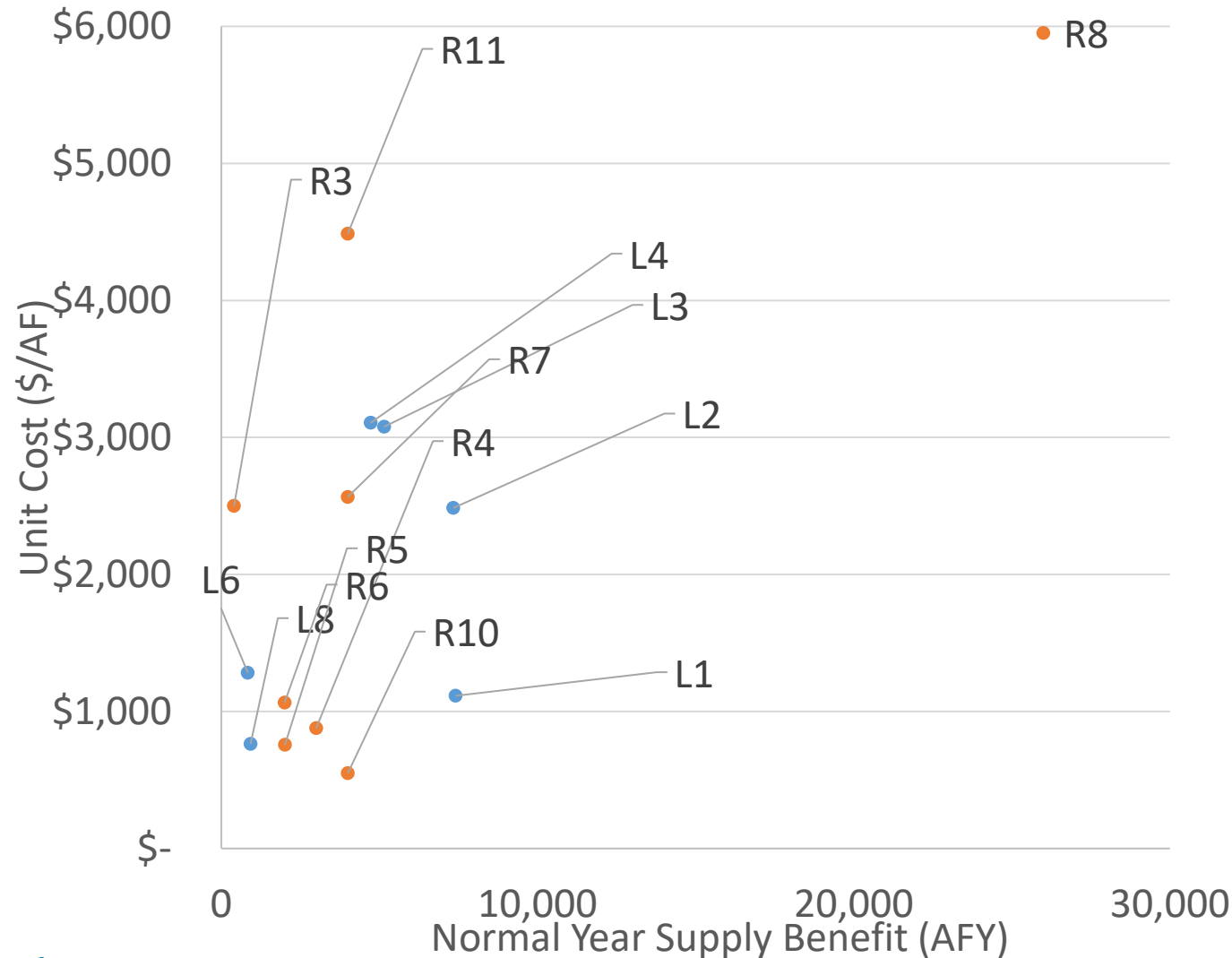


UNIT COST VS SUPPLY BENEFITS



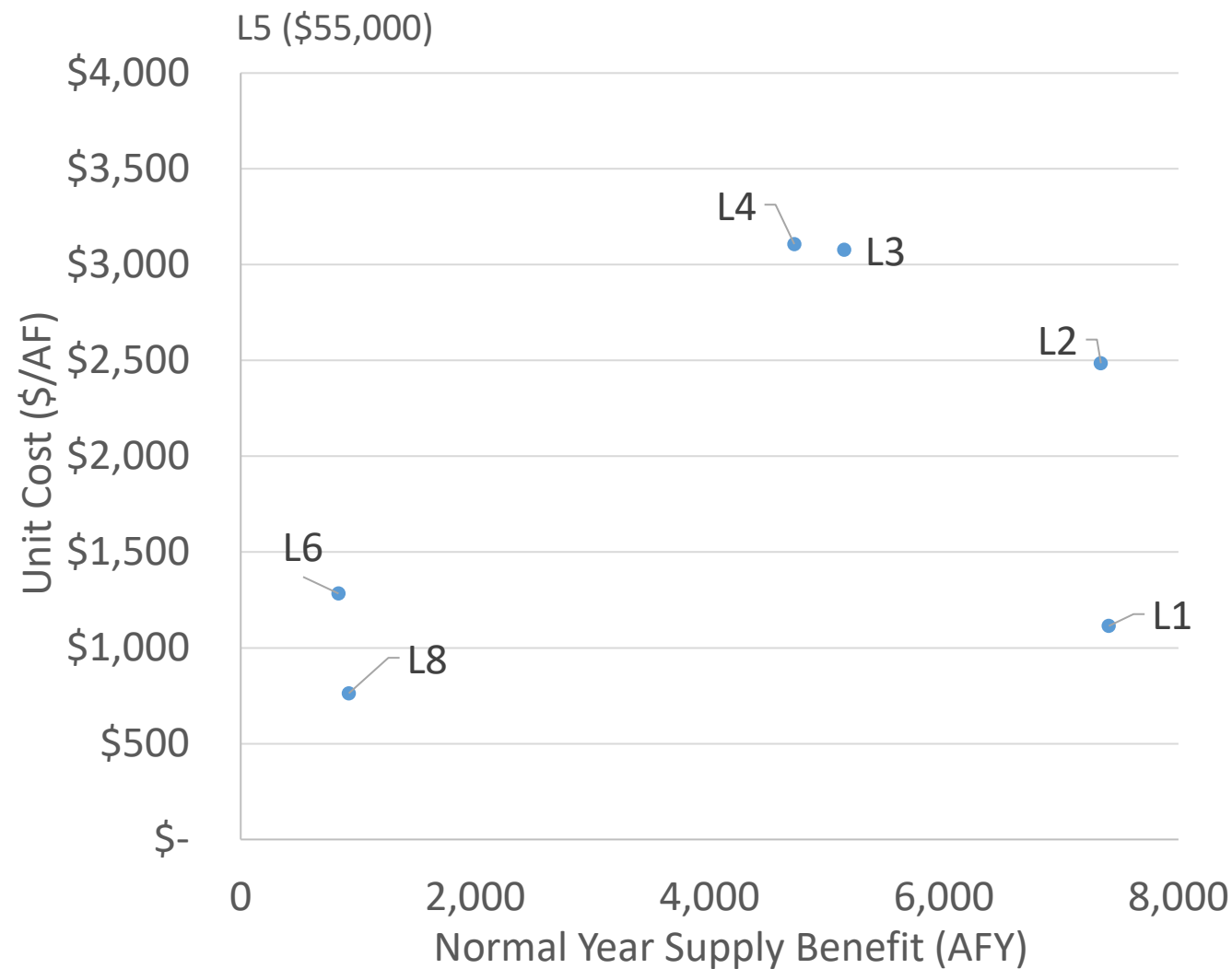
Abbrev.	Project Name
L1	New or Replacement Wells
L2	Recycled water for non-potable use
L3	Recycled or purified water for recharge
L4	Purified water for direct potable reuse
L5	Stormwater capture
L6	Conservation/water use efficiency
L8	Local surface water rights
R1	Regional Stormwater Project
R2	Satellite Facilities for Distributed Reuse
R3	Technical Assistance Program for Onsite Reuse
R4	San Joaquin Groundwater Banking and Transfer
R5	Public/Private Partnership for Groundwater Banking
R6	Regional Groundwater Management and Conjunctive Use Program
R7	Desalination Pilot Project
R8	Regional Collaboration on San Francisco Bay Desalination
R9	Fog Collection Subscription Program
R10	Regional "Net Zero" Program
R11	Intertie Development and Optimization
R12	Debt Financing for Distributed Infrastructure

UNIT COST VS SUPPLY BENEFITS



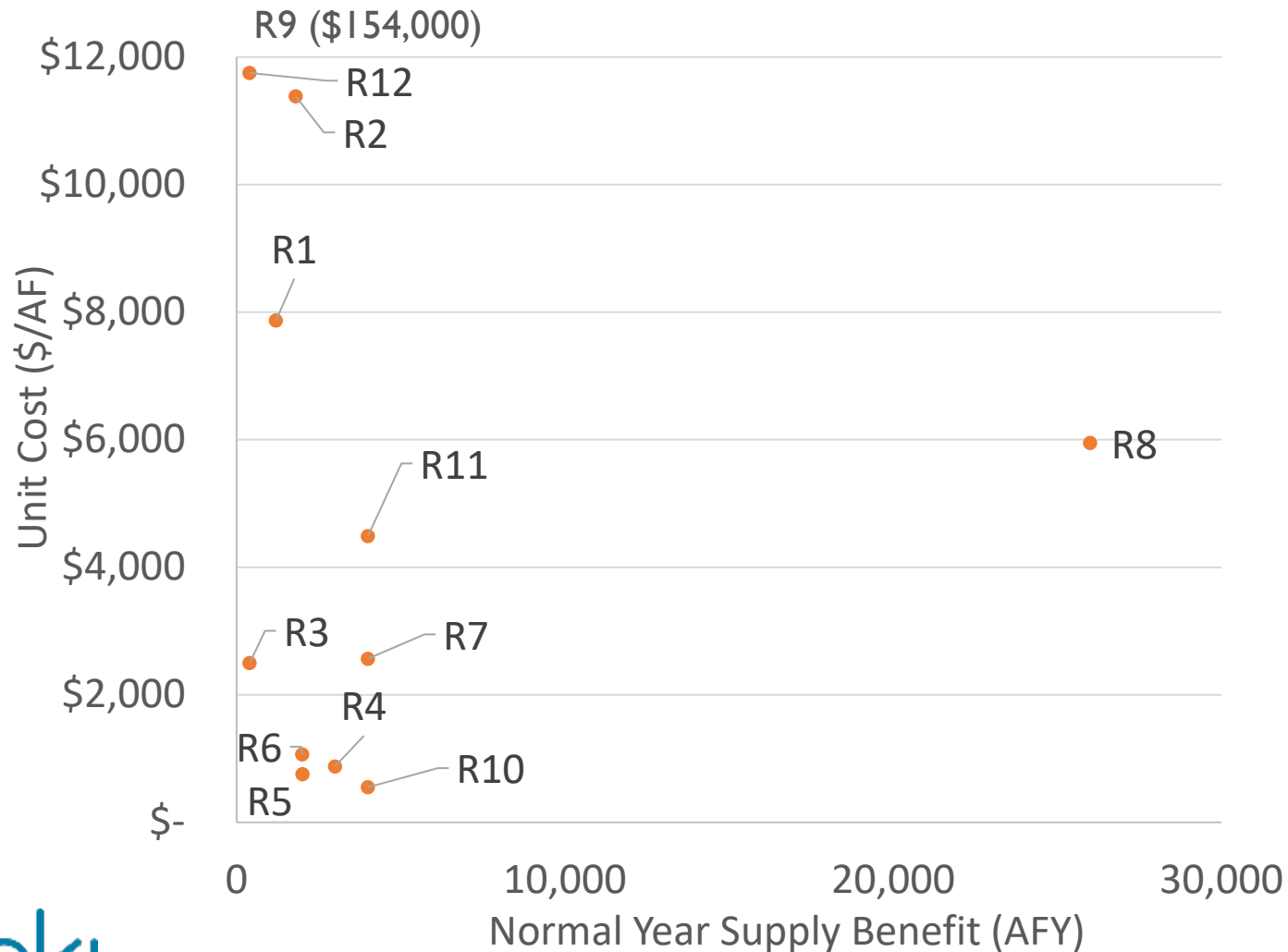
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R3	Technical Assistance Program for Onsite Reuse
R4	San Joaquin Groundwater Banking and Transfer
R5	Public/Private Partnership for Groundwater Banking
R6	Regional Groundwater Management and Conjunctive Use Program
R7	Desalination Pilot Project
R8	Regional Collaboration on San Francisco Bay Desalination
R9	Fog Collection Subscription Program
R10	Regional "Net Zero" Program
R11	Intertie Development and Optimization
R12	Debt Financing for Distributed Infrastructure

UNIT COST VS SUPPLY BENEFITS – LOCAL PROJECTS



Abbrev.	Project Name
L1	New or Replacement Wells
L2	Recycled water for non-potable use
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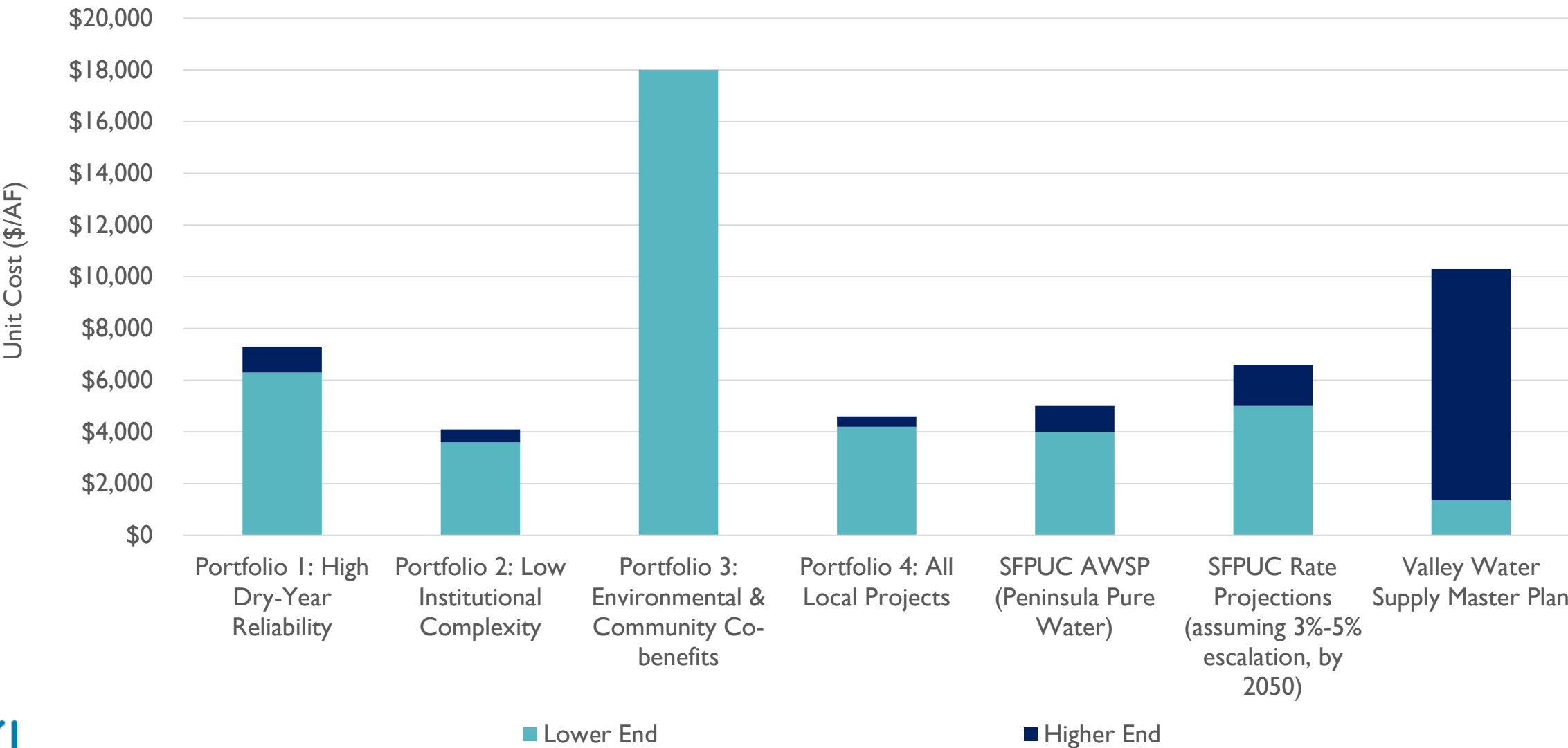
UNIT COST VS SUPPLY BENEFITS – REGIONAL PROJECTS



Abbrev.	Project Name
R1	Regional Stormwater Project
R2	Satellite Facilities for Distributed Reuse
R3	Technical Assistance Program for Onsite Reuse
R4	San Joaquin Groundwater Banking and Transfer
R5	Public/Private Partnership for Groundwater Banking
R6	Regional Groundwater Management and Conjunctive Use Program
R7	Desalination Pilot Project
R8	Regional Collaboration on San Francisco Bay Desalination
R9	Fog Collection Subscription Program
R10	Regional “Net Zero” Program
R11	Intertie Development and Optimization
R12	Debt Financing for Distributed Infrastructure

COST COMPARISON

Unit Cost Comparison Across Different Portfolios and Projects



KEY TAKEAWAYS & OPPORTUNITIES

- Portfolio results key takeaways
 - Portfolio 1 (High Reliability) has highest reliability, but overproduces water which inflates cost
 - Incremental improvements are seen with Portfolio 2 (Low Institutional Complexity) and Portfolio 4 (All Local Projects)
 - Portfolio 3 provides minor improvements but at a very high cost as supply is not a major benefit of these projects. Costs could be reduced through cost sharing.
- Framework for Optimized Portfolio 5:
 - Refine Portfolio 1 to reduce new supplies produced in normal years and optimize to meet dry year needs
 - Refine portfolio costs by removing projects that have a high unit cost and provide minimal supply benefit (e.g., include all projects below a certain unit cost threshold)

PORTFOLIO DEVELOPMENT

	P&A	1. High Dry-year Reliability	2: Low Institutional Complexity	3. Env & Comm Co-Benefits	4: All Local Projects	5: Optimized 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)

WMR INPUT REQUESTED

- What modifications should BAWSCA consider to Optimized Portfolio 5?
- What additional information would be helpful to inform Board recommendations on which portfolio to advance?

NEXT STEPS

- BAWSCA to further refine the Draft Implementation Plan and will discuss with the Board Policy Committee in October
- Building on today's input, BAWSCA to confirm Portfolio 5 for modeling in the Regional Reliability Model
- Upcoming WMR Topics:
 - Portfolio review and recommendations
 - Portfolio implementation pathways/roles

Agenda Item #4

Bay Delta Plan / FERC Process



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 were due Sep. 18th
 - Public comments can be downloaded at this link: <https://ftp.waterboards.ca.gov/#/Sacramento-Delta%20Update/Public%20Comments/>
 - The San Joaquin Tributary Authority (SJTA) submitted comments (SFPUC is a member of the SJTA)
- 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 because they may affect Phase 1

Bay-Delta Plan – Phase 1

- We are waiting for the State Board's release the peer review of their draft Scientific Basis Report
- Progress on Bay-Delta Plan – realistically, we expect action on Phase 1 only 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 was delayed by 60 days (until Nov. 20, 2026)
- BAWSCA's reply brief is anticipated to be due in Jan. 2027

Agenda Item #5

SFPUC's
Design
Drought



A Potential Request to the SFPUC: Perform a Risk Analysis of their Design Drought

- For many years, public comments have been made at BAWSCA Board Meetings, SFPUC Commission Meetings, and various meetings of select BAWSCA Member Agencies critical of the length of SFPUC's "design drought"
- BAWSCA's long-standing position is that if SFPUC stress-tests and modifies its drought planning, it should do that analysis in a transparent and scientific manner.
- At BAWSCA's request, the SFPUC presented information detailing their drought planning at the July 9 WMR meeting and the July 21, 2026, BAWSCA Board Meeting
 - A few BAWSCA Board Members asked that BAWSCA request SFPUC do this analysis
 - This will be a topic of discussion both at the October BPC and the November Board meeting

Agenda Item #6

Upcoming
Meetings
WCDB
Population



Upcoming Meetings Where Agency Participation is Requested

- October 8th 2026, (9 AM – 12 Noon) – SFPUC's Millbrae Ops. Center
 - Wholesale Customer Meeting / BAWSCA Emergency Tabletop Exercise
- October 14th 2026, (10 AM – 12 Noon) – Virtual (Zoom)
 - Water Use Efficiency (WUE) Workshop One: Cultivating Solutions - Growing Knowledge for NFT Implementation

BAWSCA Requests Agencies Populate FY 2025-26 Data into the WCDB

- BAWSCA asks all Member Agencies to populate the WCDB once fiscal year data is available (in this case FY 2025-26 data)
- BAWSCA will be sending an email within the next week with details about this request including due date and how to access the WCDB
- BAWSCA staff are available to address questions if they arise during data input
- BAWSCA uses the WCDB to prepare its' Annual Report and house historical water use data throughout the region.



Next Meeting

November 5, 2026
Burlingame
Community Center
Sequoia A