

Regional Workshop #1 Materials

Workshop 1: Regional Water Demand and Supply Review

Regional UWMP

January 29, 2026



Workshop Introduction

Three Valleys Municipal Water District

RUWMP-Participating Agencies:

- City of Glendora
- City of La Verne
- City of Pomona
- GSWC – Claremont
- GSWC – San Dimas
- Rowland Water District
- Three Valleys Municipal Water District
- Walnut Valley Water District

Other Member Agencies:

- Boy Scouts of America - Firestone Reservation
- California Polytechnic University, Pomona
- City of Covina
- Mt. San Antonio College
- Suburban Water Systems
- Valencia Heights Water Company

Workshop Objectives

- I. Refresh on RUWMP**
- II. Touch base on progress**
- III. Plan ahead to complete the effort on time**
- IV. Answer your questions**

Workshop Agenda

5 min	Welcome & Introductions
15 min	Overview of the 2025 Regional UWMP Structure
40 min	Supply & Demand Projections
15 min	Drought Risk Assessment
5 min	WSCP Update
30 min	Q&A
10 min	Schedule and Next Steps

Presenters and GEI/WSC Project Team



Matthew Bachman
Water Supply & DRA
👤 (Presenter)



Peter Kavounas, PE
Senior Civil Engineer
👤 (Presenter)



Sevim Onsoy
Project Manager



Fatima Segoviano
UWMP Development
👤 (Presenter)



Roger Putty, PE, PMP
Principal-in-Charge



Kwabena Asante, PhD, PE
Technical Lead, Water
Supply Reliability



Laine Carlson
Technical Advisor



Spencer Waterman
Technical Lead, Demands

Overview of the 2025 Regional UWMP Structure

Regional UWMP Structure

PART 1



Regional Context

Part 1 Contains the information needed to meet the requirements of the UWMP Act for the local agencies who are using this Plan to meet their 2025 UWMP Requirements.

1. Introductions
2. Region Description
3. Regional Water Sources and Management
4. Comparison of Regional Supplies and Demands
5. Water Management Goals, Objectives, and Strategies
6. Projects
7. Implementation, Performance, and Adaptive Management

PART 2



Local Agency UWMPs

Part 2 Provides supplemental information for the eight local agencies who are using this Plan to meet their 2025 UWMP requirements.

1. Three Valleys Municipal Water District
2. City of Glendora
3. City of La Verne
4. City of Pomona
5. Golden State Water Co. (Claremont)
6. Golden State Water Co. (San Dimas)
7. Rowland Water District
8. Walnut Valley Water District

PART 3



Regional Supporting Information

Part 3 Includes all of the supporting documentation referenced in Part 1 that is applicable to the region as well as the regulatory compliance guide that DWR will use to verify that Part 1 meets the UWMP requirements.

PART 4



UWMP Agency Supporting Information

Part 4 Includes a set of supporting documentation for each UWMP agency corresponding to their respective chapters in Part 2. Documents will include a compliance guide that DWR will use to verify the agency met the UWMP Act requirements, the Agency's WSCP Plan and other documents specific to each agency.

Three Valleys

- Part 1
- Part 2, Chapter 1
- Part 3
- Part 4, Appendix 1

Participating Agency (e.g., City of Glendora)

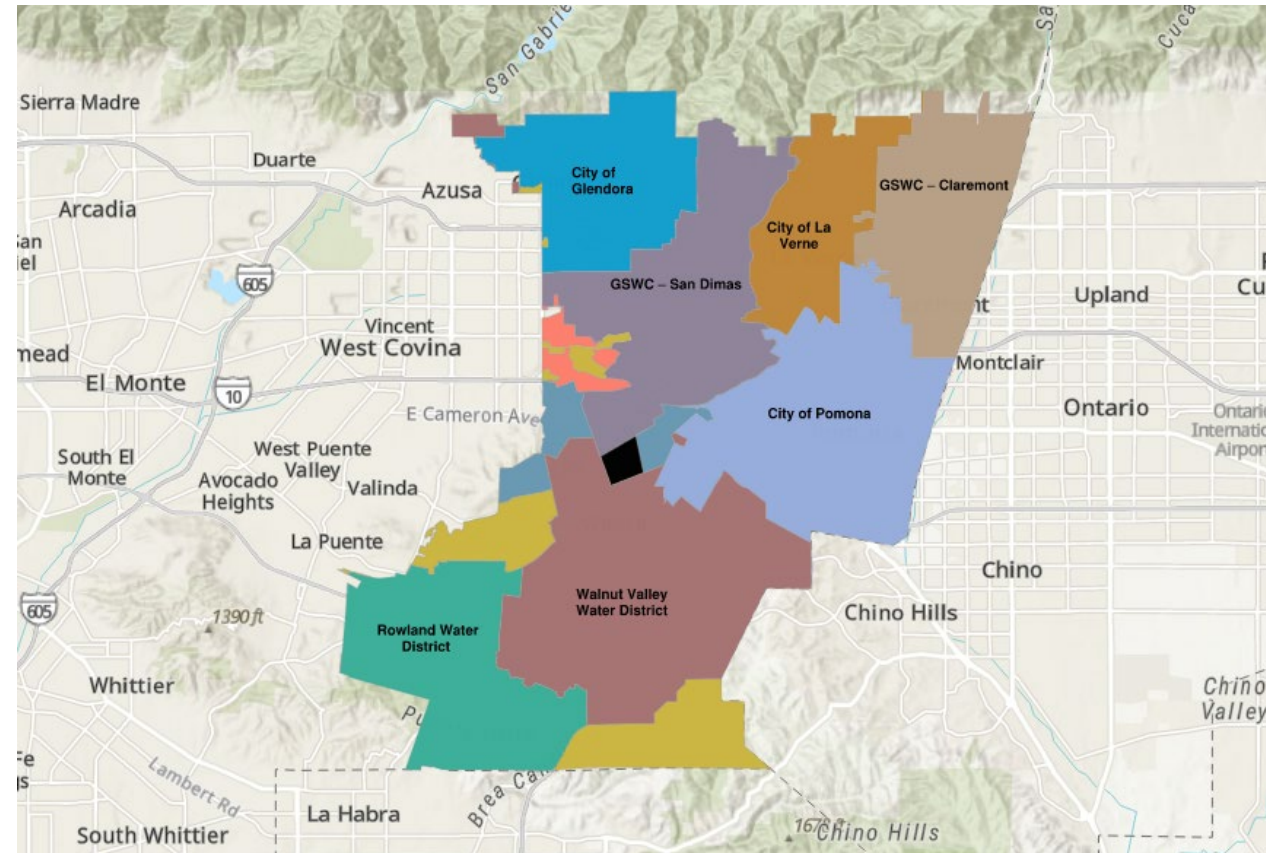
- Part 1
- Part 2, Chapter 2
- Part 3
- Part 4, Appendix 2

Supply & Demand Projections

Regional Portfolio | Data Collection & Background

- **Comprehensive Data Gathering:** Collected historical production, consumption, and water loss data (2021-2025) to establish a “baseline” water use.
- **Agency Collaboration:** Conducted individual meetings with 7 participating agencies to ground-truth demand drivers, supply constraints, and future development plans.
- **Regional Integration:** Incorporated available data for the 6 other TVMWD agencies to build a complete regional picture of the Three Valleys service area.

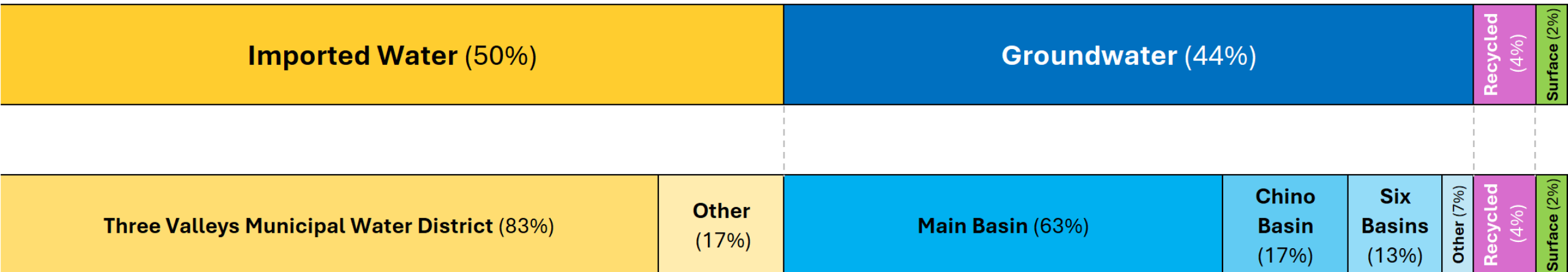
This dataset serves as the backbone for the RUWMP, ensuring regional infrastructure and supply reliability projects are based on accurate local realities.



Existing | Regional Water Use Baseline (2021-2025)

Regional Water Use =
 RUWMP Participants
 + Other TVMWD Agencies

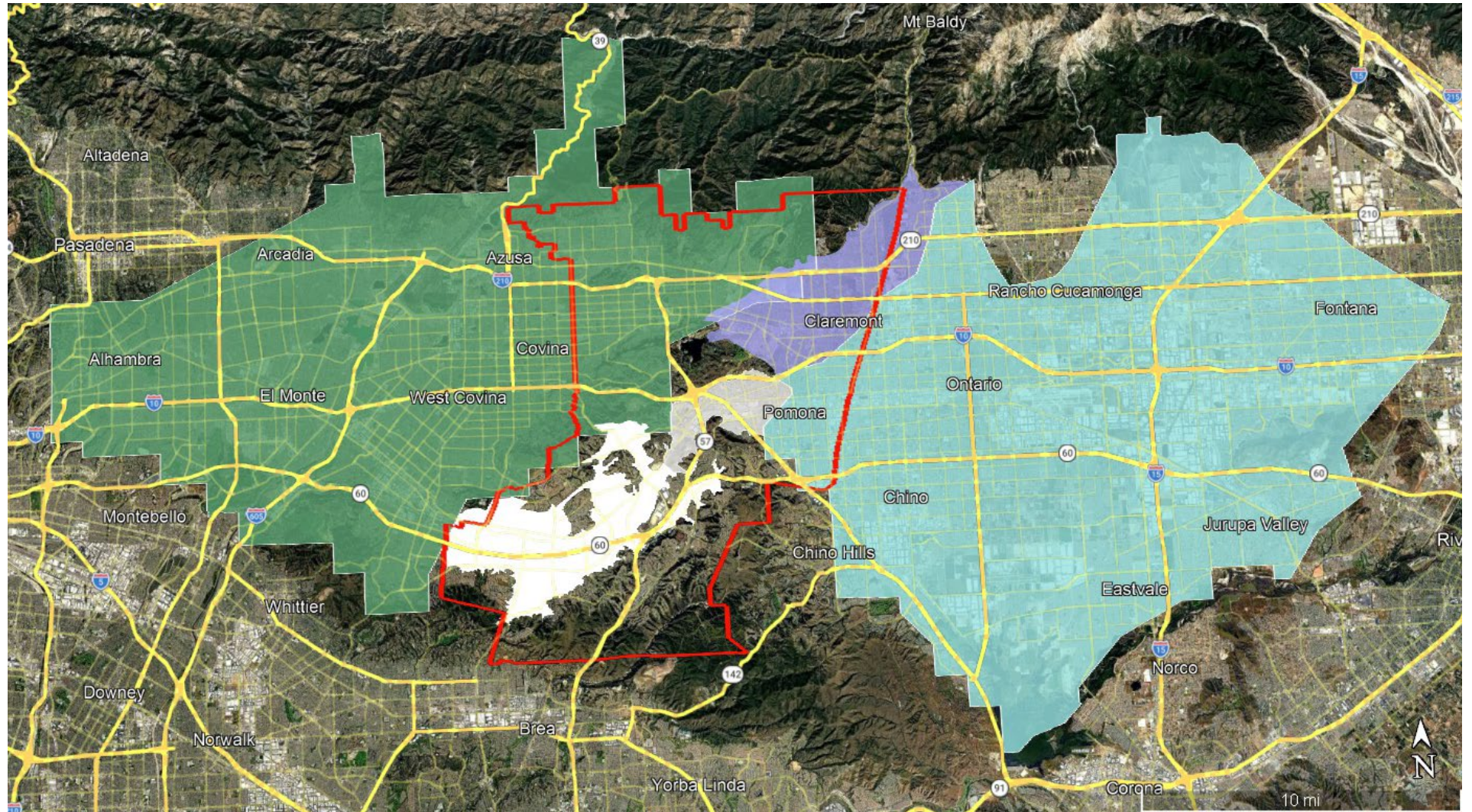
Agency Type	Water Use Data Source
RUWMP Participants (7)	Provided by agencies
Other TVMWD Agencies (6)	Estimated from publicly available documentation and data provided to TVMWD for other planning efforts



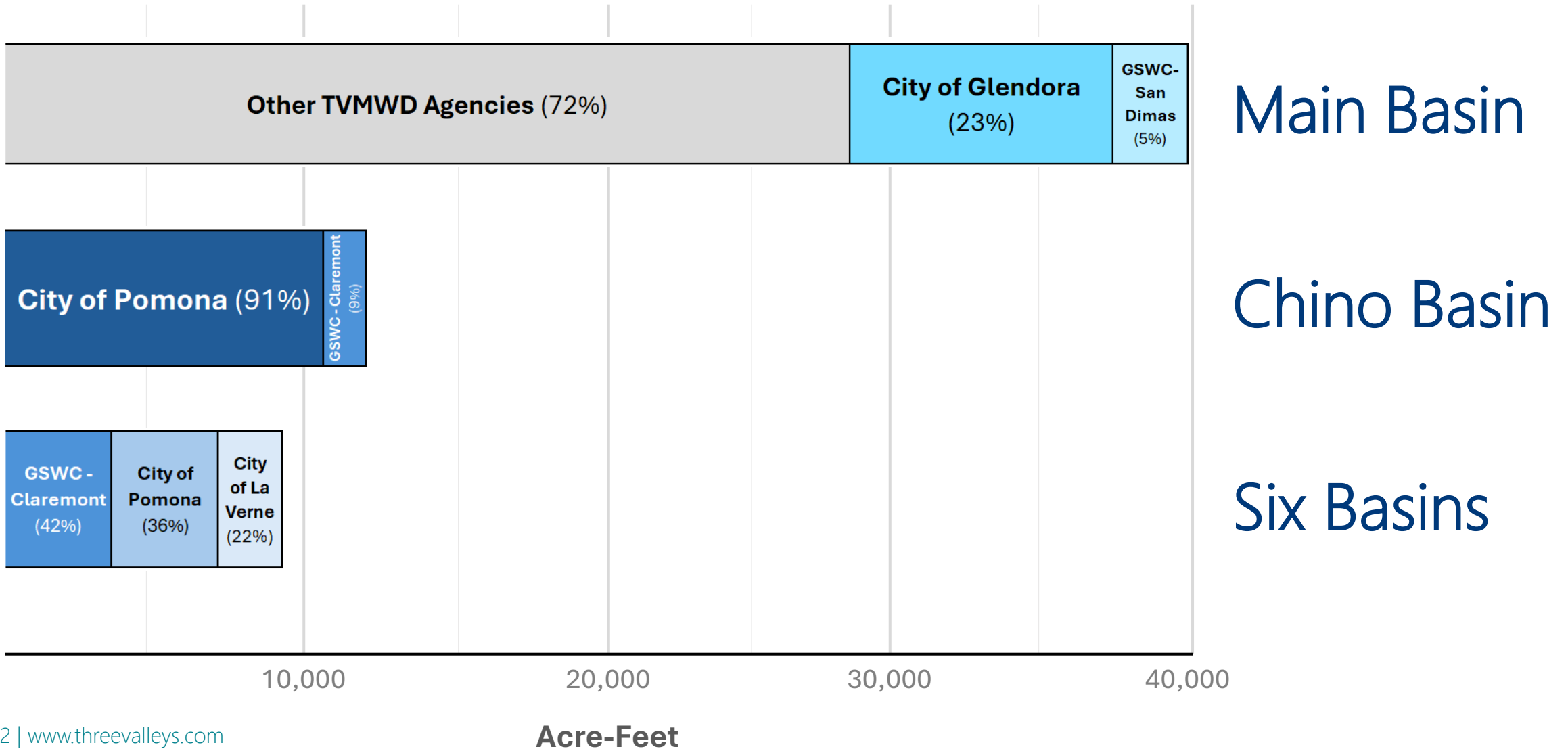
Existing | Regional Groundwater Portfolio

Legend

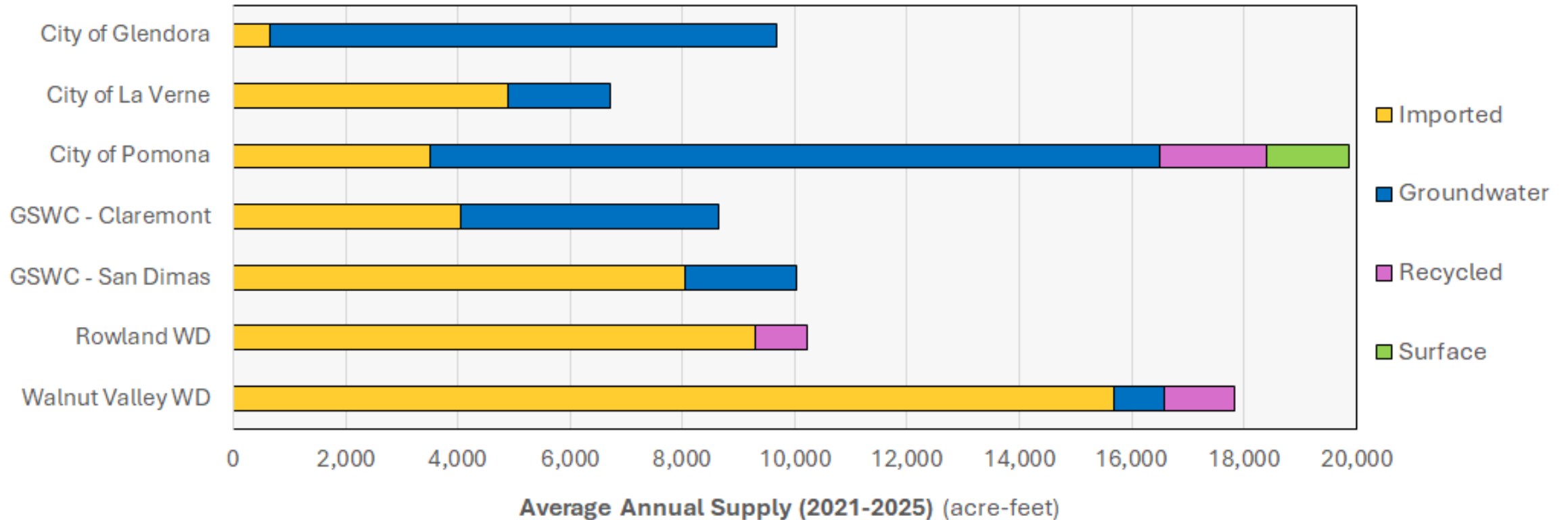
-  Main San Gabriel Basin
-  Puente Basin
-  Chino Basin
-  Six Basins
-  Spadra Basin
-  Three Valleys



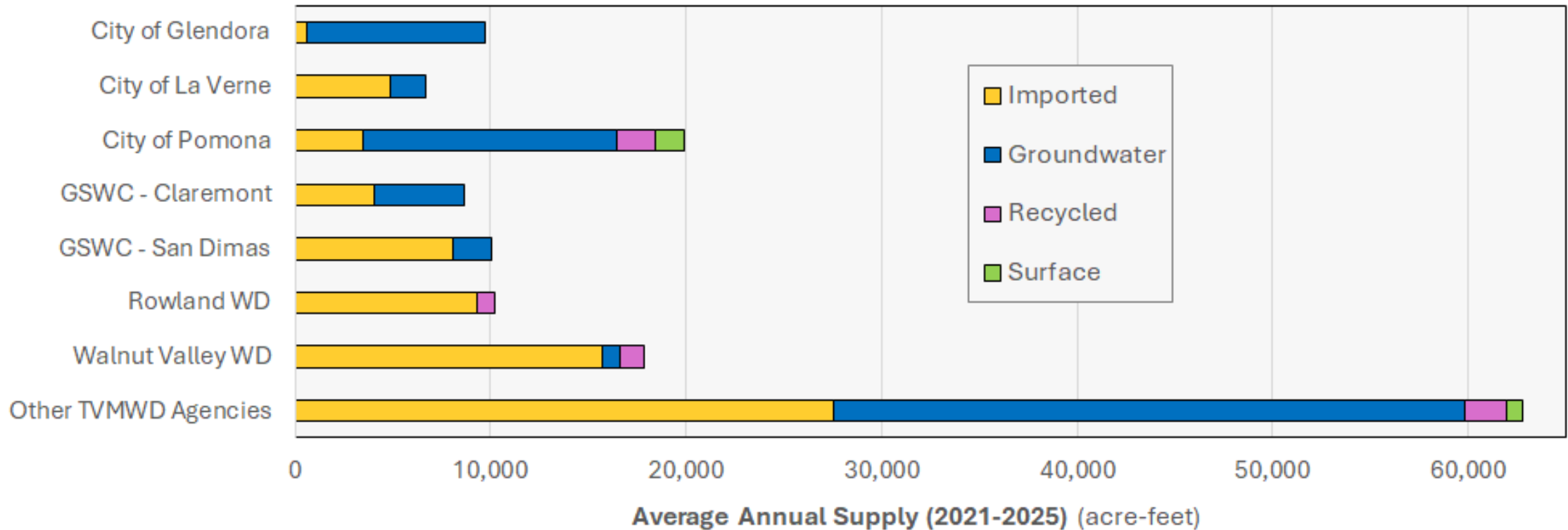
Existing | Regional Groundwater Portfolio (2021-2025)



Existing | RUWMP Agency Water-Use Baselines (2021-2025)



Existing | Regional Water-Use Baselines (2021-2025)



Projected | Demand Projections Methodology

- Multi-Scenario Analysis:** Developed and presented up to five distinct demand projection methodologies to each participating agency, ranging from "Status Quo" trends to aggressive "CWOL Compliance" scenarios.
- Agency Collaboration:** Participating agencies worked one-on-one with GEI and WSC to review these scenarios and identify the specific methodology most representative of their local service area.
- Regional Integration:** The finalized regional demand reflects a "bottom-up" aggregation of these agency-verified selections, ensuring the plan is grounded in local operational reality.

Step 1: Connections Growth Selection					
Growth Option 1- Connections Increase at Selected Methods per Use Type					
<i>If Option 1 Selected: Select specified growth method for each use type to the right:</i>					
	Residential Indoor	Residential Outdoor	CII	Landscape	Other
	Population Annual Growth Rate	Households Annual Growth Rate	Employees Annual Growth Rate	Employees Annual Growth Rate	Historic Connection Change Rate
	2025-35	2035-2050			
Population Annual Growth Rate	0.15%	0.03%			
Households Annual Growth Rate	0.53%	0.12%			
Employees Annual Growth Rate	0.16%	0.05%			
Historic Connection Change Rate- SFR	-0.24%	-0.24%			
Historic Connection Change Rate- MFR	0.00%	0.00%			
Historic Connection Change Rate- Commercial	2.40%	2.40%			
Historic Connection Change Rate- Landscape	20.34%	20.34%			
Step 2: Baseline & Future Demand Factors					
Selection					
	Residential Indoor	Residential Outdoor	CII	Landscape	Other
Baseline Year(s)	2025	2025	2025	2025	2025
Existing Connections: Factor % Change by 2030					
<i>A positive % is a reduction applied to the baseline demand factors.</i>					
	0%	0%	0%	0%	0%
Existing Connections: Factor % Change by 2035 onward	1.0%	1.0%	1%	1%	1%
Total Baseline Factor % Change by 2040	2.0%	2.0%	2.0%	2.0%	2.0%
UWUO-Based Reduction Reference for 2040	45.7%	34.6%	0%	44%	N/A
New Connections: Factor % Change by 2030	10%	10%	10%	10%	10%
New Connections: Factor % Change by 2035 Onward	5%	5%	5%	5%	5%
Total Baseline Factor % Change by 2040	20.0%	20.0%	20.0%	20.0%	20.0%
UWUO-Based Reduction Reference for 2040	45.7%	47.3%	0.0%	43.9%	N/A
Indoor/ Outdoor Water Usage Percentages	51%	49%			
Indoor Water Usage Percentages			100%	0%	100%
Outdoor Water Usage Percentages			0%	100%	0%

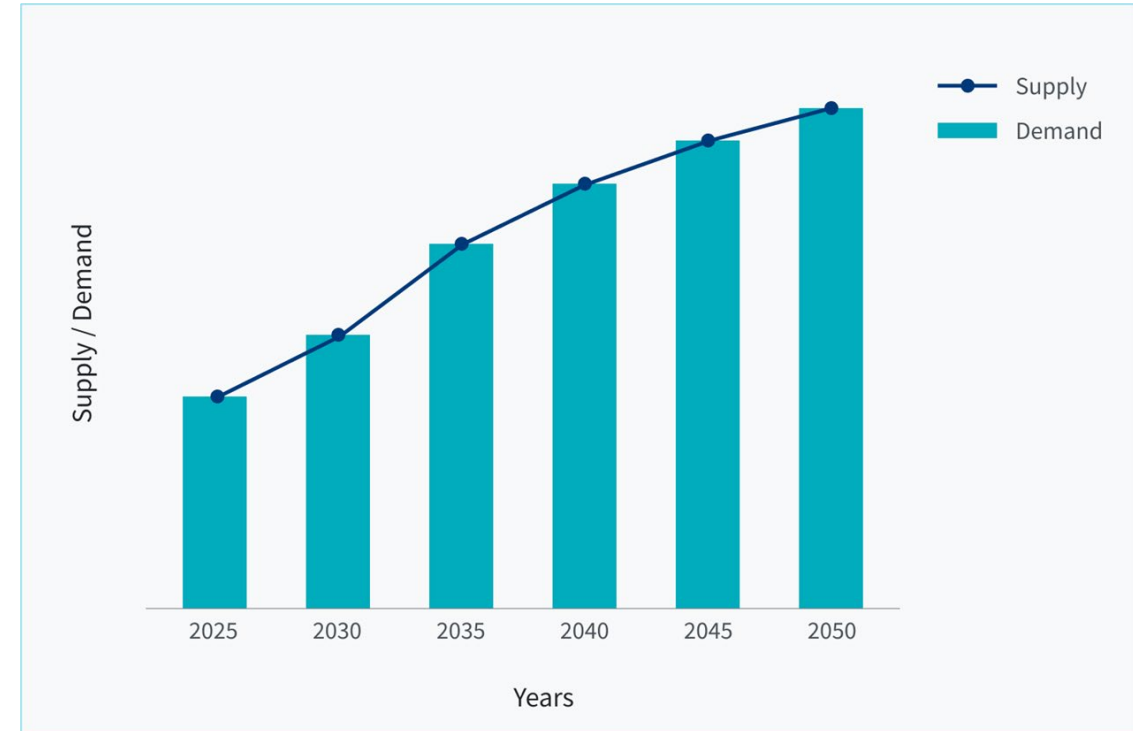
Projected | Supply Projections Methodology

Methodology Option 1

“Real Water” Approach

Baseline local agency supplies = 2021-2025 Average

1. Apply climate change factors from TVMWD Climate Vulnerability Analysis to baseline local agency supplies through 2050¹.
2. Compare agency local supply projections to 2025 UWMP demand projections through 2050.
3. Any projected unmet demand is assumed to be met by imported water supply¹.



¹ Also considers any operating restrictions (e.g., OSY), anticipated availability of supply, legal rights, etc.

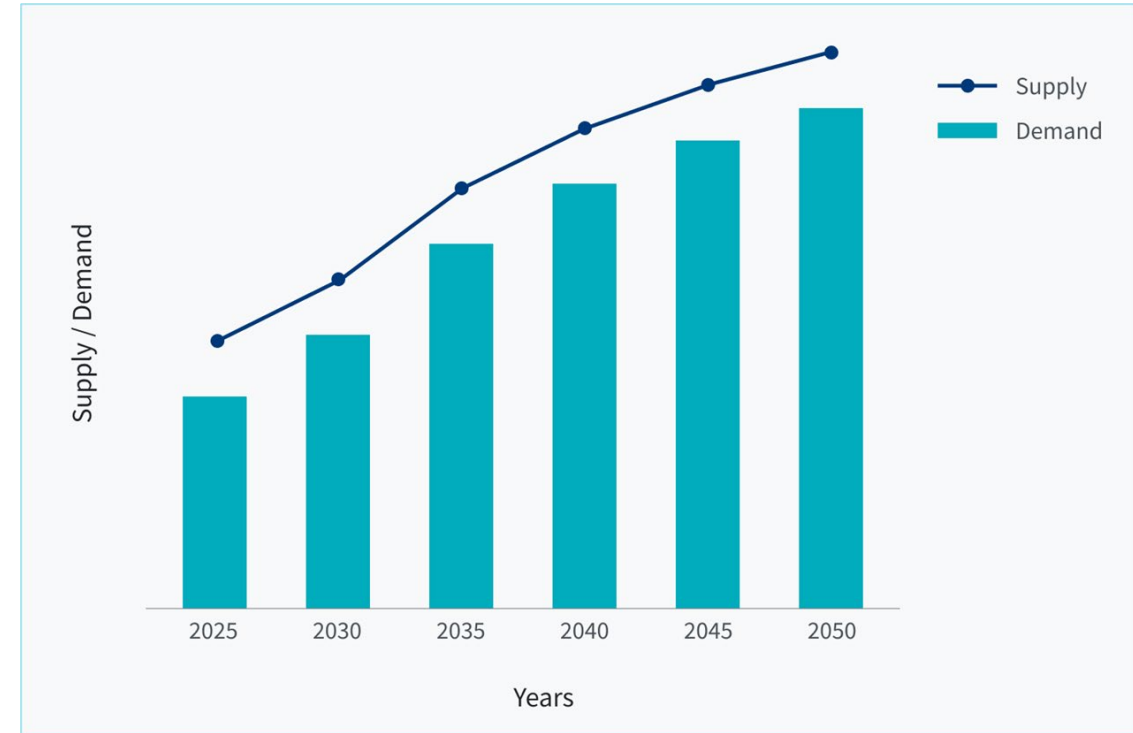
Projected | Supply Projections Methodology

Methodology Option 2

“Paper Water” Approach

Baseline local agency supplies = 2021-2025 Average

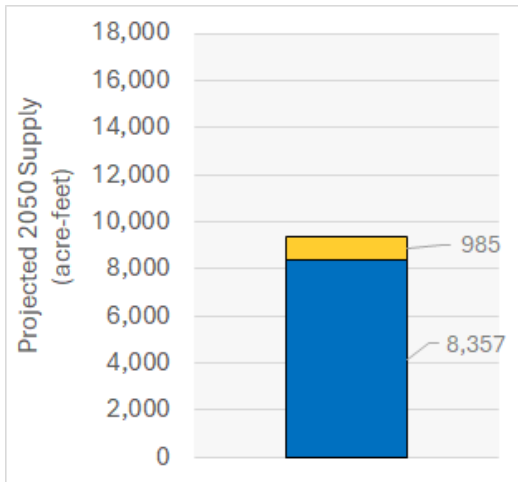
1. Apply climate change factors from TVMWD Climate Vulnerability Analysis to baseline local agency supplies through 2050¹.
2. Projected imported water supply is determined with the agency based on historical supply, anticipated availability, legal rights, etc., through 2050.



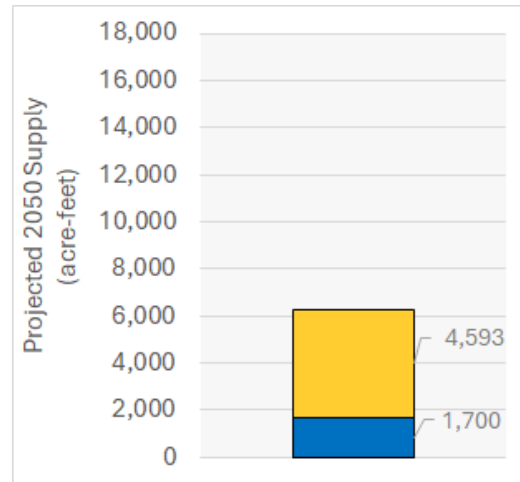
¹ Also considers any operating restrictions (e.g., OSY), anticipated availability of supply, legal rights, etc.

Projected | RUWMP Agency Water-Use Portfolios* (2050)

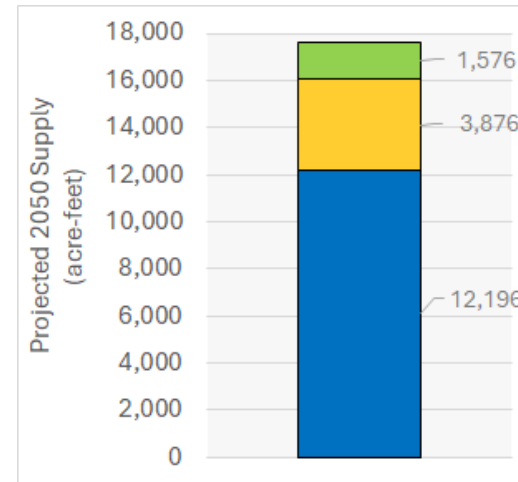
City of Glendora



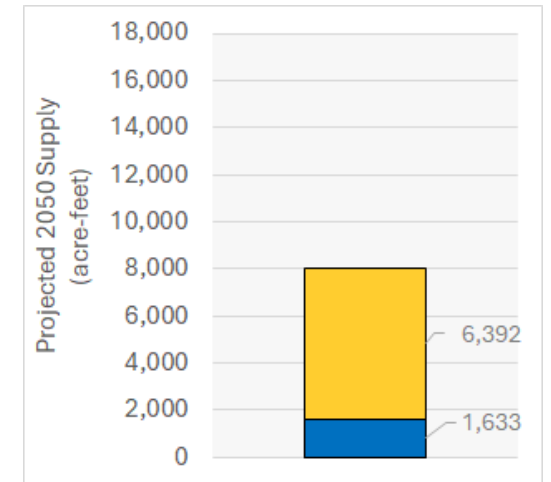
City of La Verne



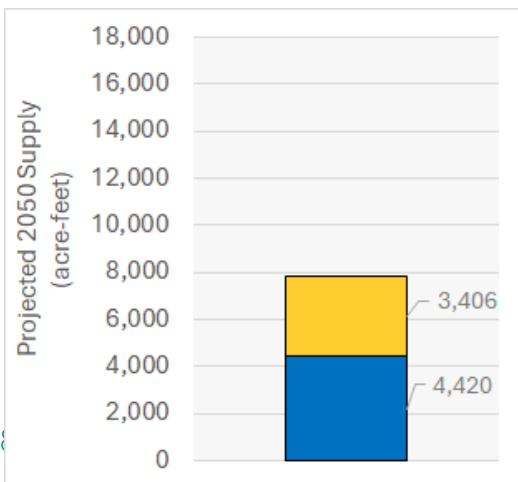
City of Pomona



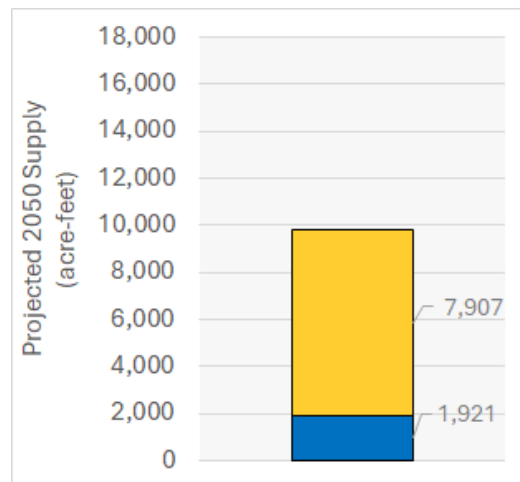
Rowland Water District



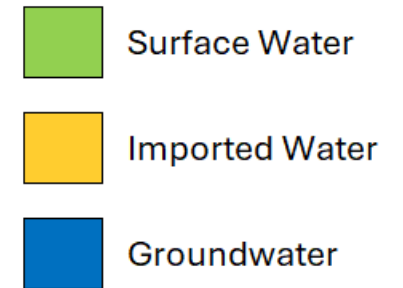
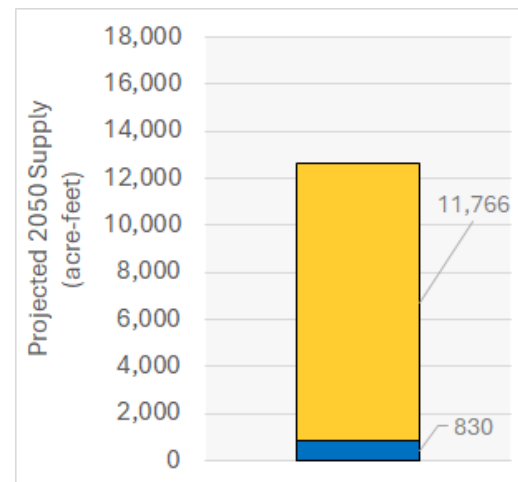
GSWC – Claremont



GSWC – San Dimas

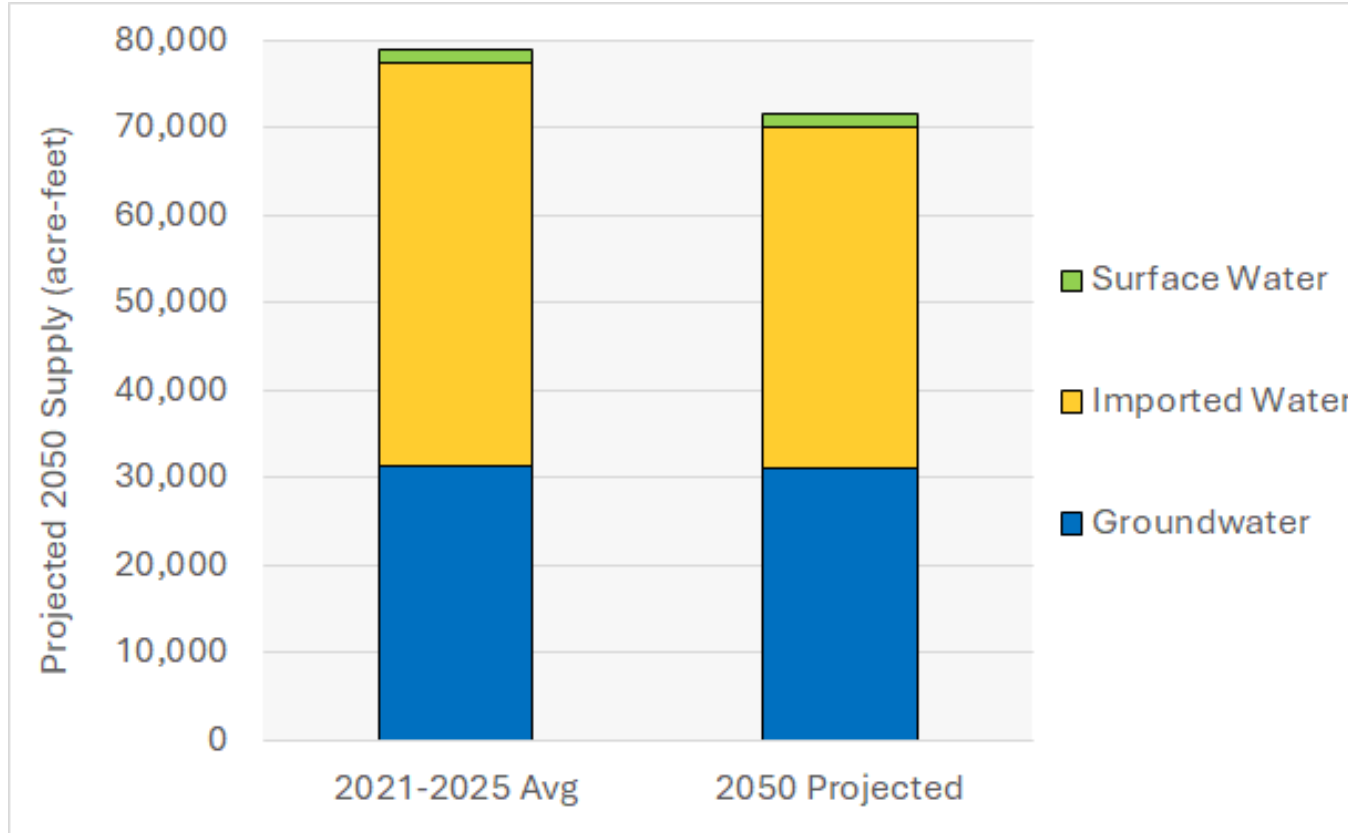


Walnut Valley Water District



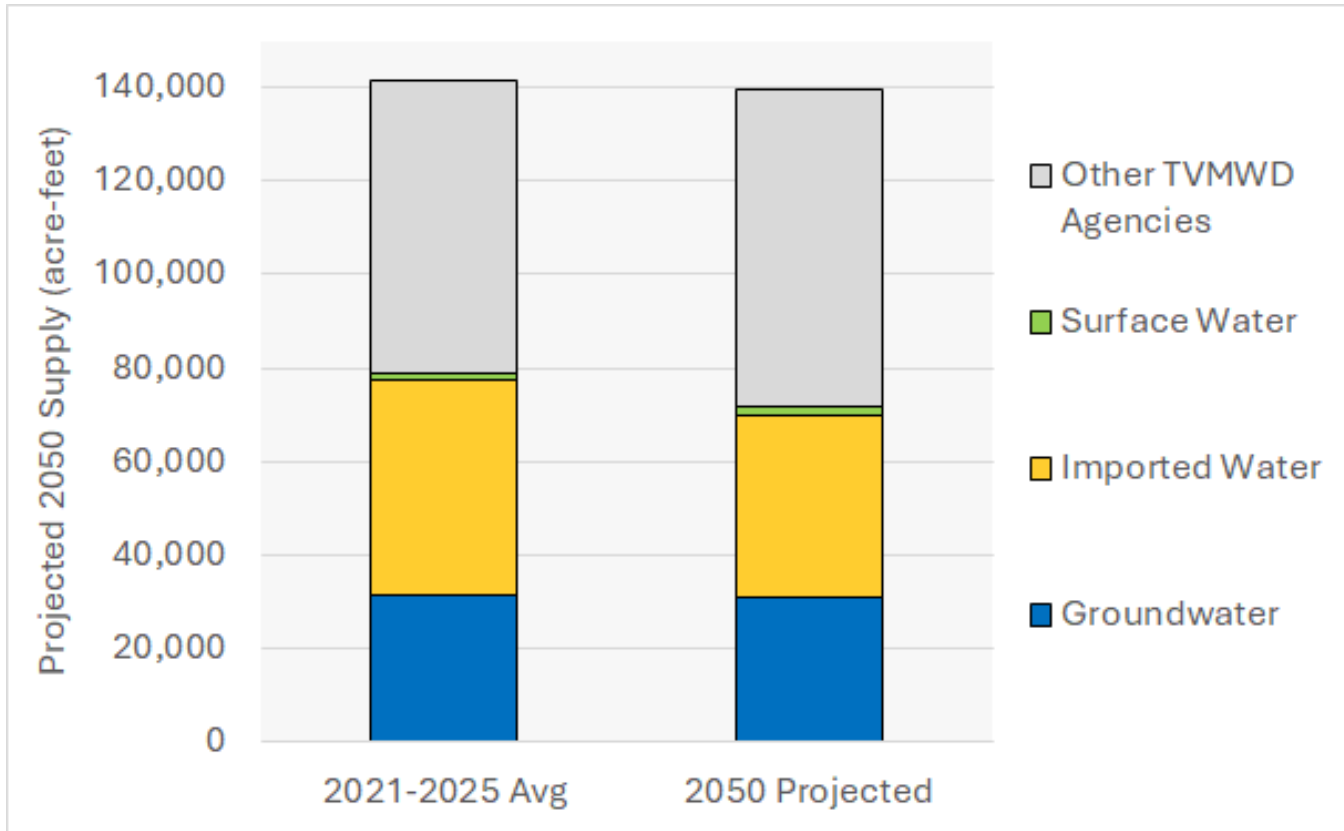
* Excludes recycled water

Projected | RUWMP Agencies Water-Use Portfolios* (2050)



Supply (AF)	2021-2025 Average	2050 Projected
Surface Water	1,481	1,576 (+6%)
Imported Water	46,137	38,926 (-16%)
Groundwater	31,313	31,055 (-1%)
TOTAL	78,931	71,557 (-9%)

Projected | Regional Agencies Water-Use Portfolio* (2050)



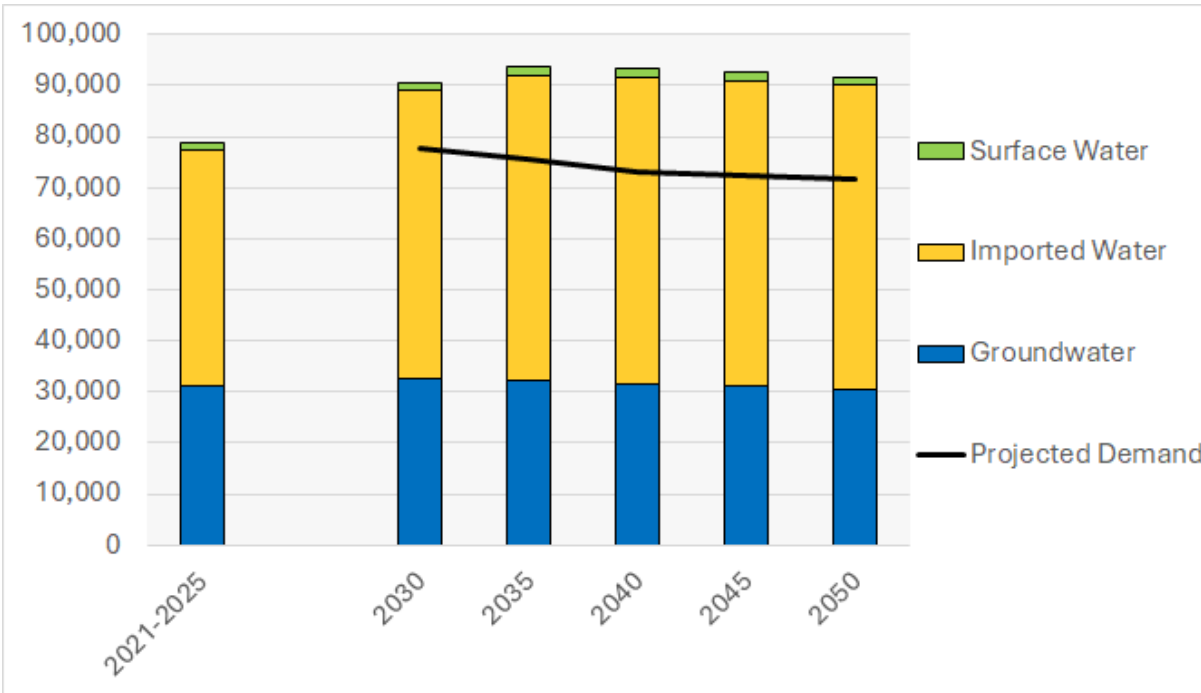
Supply (AF)	2021-2025 Average	2050 Projected
Other TVMWD Agencies ¹	62,759	68,070 (+8%)
Surface Water	1,481	1,576 (+6%)
Imported Water	46,137	38,926 (-16%)
Groundwater	31,313	31,055 (-1%)
TOTAL	141,689	139,627 (-1%)

¹ Estimated

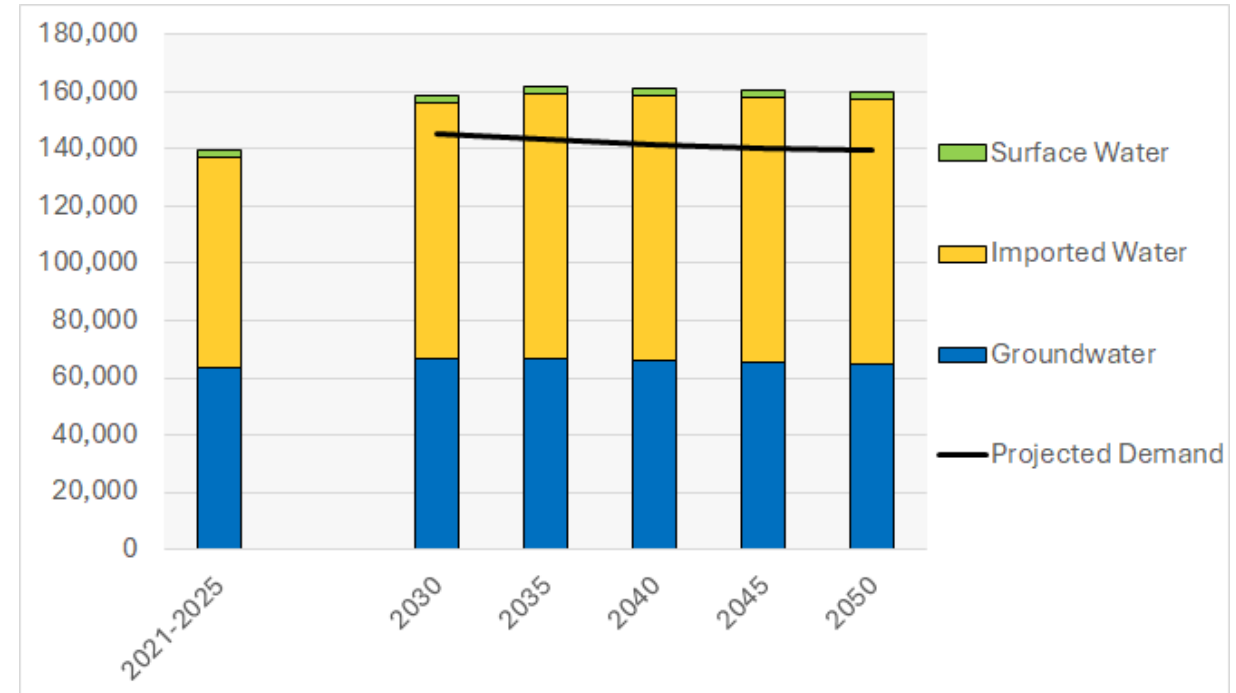
* Excludes recycled water

Projected | Regional Water-Use Portfolio* (2030-2050)

RUWMP-Participating Agencies



Regional (All) Agencies



Drought Risk Assessment

Drought Risk Assessment (DRA)

What is the Drought Risk Assessment?

The DRA is a stress test required by DWR as part of the UWMP to verify supply reliability under specific hydrologic conditions.

What are the specific hydrologic conditions?

1. Normal Year: Average climate and supply.
2. Single Dry Year: Constrained supply, increased demand.
3. Five-Consecutive-Year Drought: Prolonged period of constrained supply, increased demand.

Why does DWR require a Drought Risk Assessment?

The DRA is intended to test near-term reliability, specifically:

- The functionality of the Supplier's Water Shortage Contingency Plan (WSCP).
- Identify potential shortages.
- Justify short-term demand reduction or supply augmentation measures.

Drought Risk Assessment | Regional Resiliency

The Three Valleys Regional **Supply Reliability** is secured by two pillars:

- **MWD's high reliability imported supply**
 - MWD's storage reservoirs are currently at a near record-high.
 - Modeling shows that even with cutbacks on SWP and Colorado River supplies, MWD has sufficient storage to meet wholesale demands without shortage allocations over the next 5 years.
- **Management of local groundwater basins**
 - Major regional basins – Main San Gabriel, Chino, and Six Basins – are adjudicated and managed such that continued pumping is possible during drought.

The Three Valleys Region manages **Demand** via multiple means:

- **Baseline demand assumptions**
 - Projections include "Passive Conservation" as well as "Active Conservation".
- **The WSCP "Safety Net"**
 - Agencies can implement shortage levels (Level 1, 2, etc.) to reduce demand by 10-50%+.
- **Regional collaboration**
 - TVMWD coordinates closely with MWD and retail agencies to monitor key metrics (e.g., SWP allocations, reservoir levels) to determine if WSCP or further actions are necessary.

Drought Risk Assessment | Regional Reliability

Analysis performed for the Drought Risk Assessment shows that even with reduced imported and local supplies and increased weather-driven demands, **the region maintains sufficient supply to meet demand** during single and multi-year drought conditions

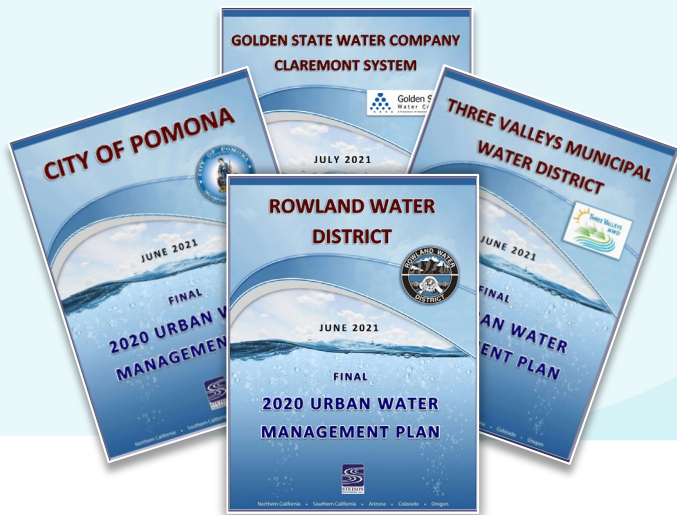
Scenario	Supply Assumption	Demand Assumption	Regional Outcome
Normal Year	Average imported & local yield	Normal water use	Sufficient regional supply
Single Dry Year	Reduced imported allocation	Increased	
5-Year Drought	Constrained imported & local yield	Increased	

Water Shortage Contingency Plan (WSCP) Update

WSCP – 2025 Updates

Document Collection:

- Gathered 2020 UWMP WSCP Chapters
- Reviewed agency WSCPs



Key Updates to WSCPs:

- Updated references 2020 UWMP → 2025 UWMP
- Updated tables and data



Draft 2025 WSCPs Structure:

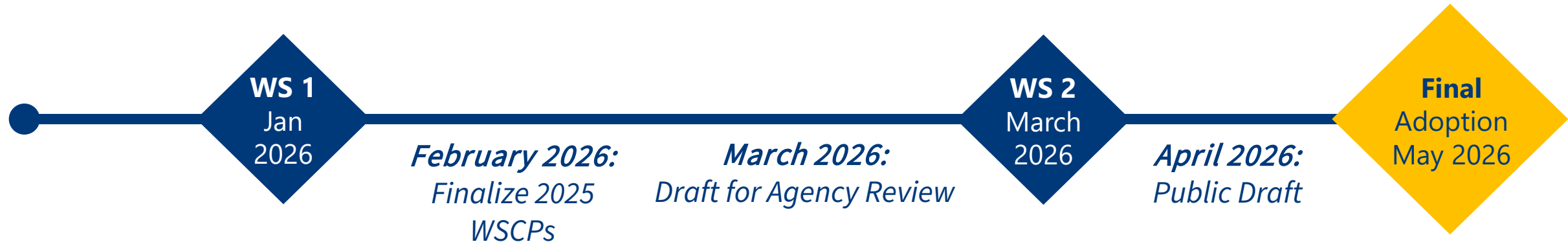
- Chapter 7: Discusses the WSCP + summarizes any agency insights/updates
- Appendix: Full 2025 WSCP



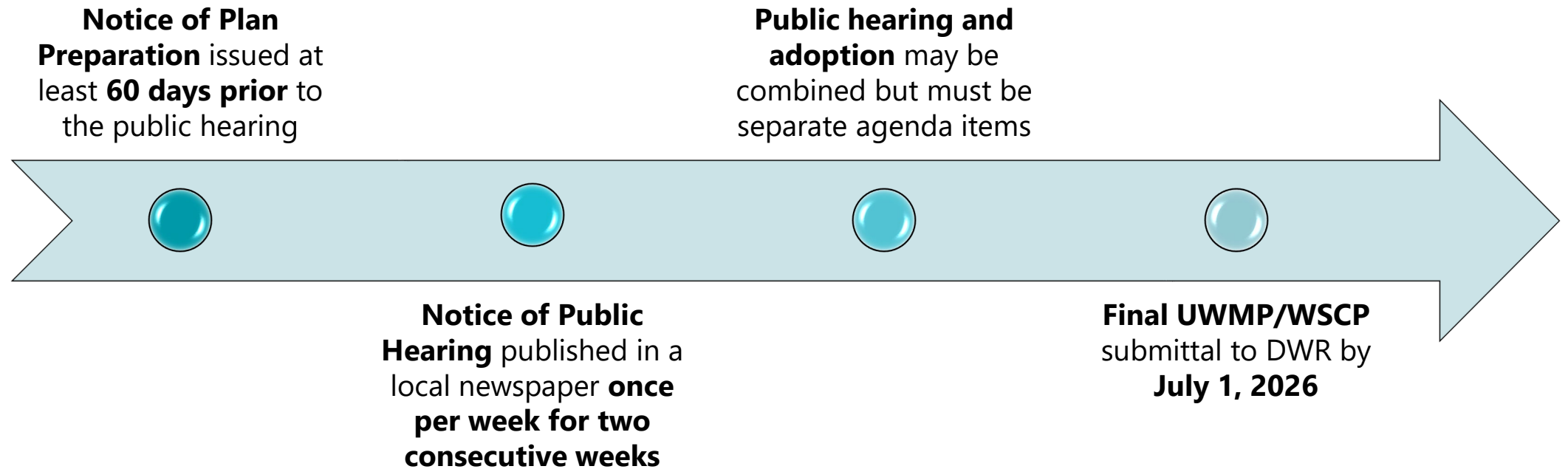
Q&A

Schedule and Next Steps

Schedule



Public Adoption and Public Notice Process



Public Adoption and Public Notice Process Schedule

Agency	Proposed Public Hearing and Adoption Meeting ¹	Date Notice of Plan Preparation Needed (60-Day) ²	Date Public Drafts Needed for Website Posting	Newspaper Used for Public Hearing Notice ³	Newspaper Publication Days	Two-Week Ad Window ³	Date Final Package Needed for Public Hearing and Adoption ⁴
Three Valleys Municipal Water District	May 20, 2026	March 21, 2026					
City of Glendora	May 26, 2026	March 27, 2026					
City of La Verne	May 18, 2026	March 19, 2026					
City of Pomona	May 18, 2026	March 19, 2026					
Golden State Water Company – Claremont	May 26, 2026	March 27, 2026					
Golden State Water Company – San Dimas	May 26, 2026	March 27, 2026					
Rowland Water District	May 12, 2026	March 13, 2026					
Walnut Valley Water District	May 18, 2026	March 19, 2026					

Notes:

1. The public hearing and adoption may occur at the same meeting but must be separate agenda items.
2. Notice of Plan Preparation must be issued at least 60 days prior to the public hearing. The notices to the cities and counties should include the anticipated location where the 2025 UWMP can be viewed, the UWMP revision schedule, and contact information of the UWMP preparer.
3. Notice of Public Hearing must be published in a local newspaper once per week for two consecutive weeks.
4. Final UWMP (including WSCP) must be submitted to DWR by July 1, 2026. The WSCP must be treated as a stand-alone plan for noticing, public hearing, and adoption, even though it must be submitted as part of the UWMP.

Next Steps

- ❑ **Confirm adoption dates (by Feb 6)**
- ❑ **Finalize demand and supply projections**
 - Coordinating with agencies in finalizing numbers
- ❑ **Develop the Regional UWMP and individual agency UWMP chapters; distribute to participating agencies by March 30**
- ❑ **Participating Agency review of Regional UWMP and individual agency UWMP chapters (end of March-beginning of April)**
- ❑ **Prepare for and schedule Workshop #2 (end of March-beginning of April)**

Did we meet the Objectives for today?

- I. Refresh on RUWMP**
- II. Touch base on progress**
- III. Plan ahead to complete the effort on time**
- IV. Answer your questions**

ADJOURNMENT

Contact Info:

bpen@tvmwd.com or
sonsoy@geiconsultants.com



Regional (Remote) Workshop 1 - Supply and Demand Projections

Agency	Remote Attendees	Email
City of Glendora	Armando De Jesus	ADeJesus@cityofglendora.gov
City of Glendora	Damian Martinez	DMartinez@cityofglendora.gov
City of Glendora	Russell Ackerman	RAckerman@cityofglendora.gov
City of La Verne	Kristie Sanchez	ksanchez@laverneca.gov
City of La Verne	Mike Maestas	mmaestas@laverneca.gov
City of La Verne	Raymond Apodaca	rapodaca@laverneca.gov
City of Pomona	Julie Carver	Julie.Carver@pomonaca.gov
City of Pomona	Maxus Wong	Maxus.Wong@pomonaca.gov
City of Upland	Michelle Madriz	mmadriz@uplandca.gov
City of Upland	Nicole deMoet	ndemoet@uplandca.gov
City of Upland	Norberto Ferreira	nferreira@uplandca.gov
City of Upland	Richard Gonzales	rgonzales@uplandca.gov
City of Upland	Kirk Swanner	kswanner@uplandca.gov
GEI Consultants	Matthew Bachman	MBachman@geiconsultants.com
GEI Consultants	Peter Kavounas	PKavounas@geiconsultants.com
GEI Consultants	Sevim Onsoy	SOnsoy@geiconsultants.com
GEI Consultants	Roger Putty	rputty@geiconsultants.com
GEI Consultants	Fatima Segoviano	FSegoviano@geiconsultants.com
Golden State Water Company	Lincoln Kha	Lincoln.Kha@gswater.com
Metropolitan Water District	Carlos A Carrillo	CCarrillo@mwdh2o.com
Metropolitan Water District	David Sumi	DSumi@mwdh2o.com
Metropolitan Water District/Six Basins	Mike N Ti	mike_ti@mwdh2o.com
Metropolitan Water District/Six Basins	Tiffany Tran	T_Tran@mwdh2o.com
Monte Vista Water District	Michelle Licea	mlicea@mverd.org
Rowland Water District	Allen Davidson	adavidson@rwd.org
Six Basins Watermaster	Jorge A. Marquez	
Three Valleys	Kirk Howie	khowie@TVMWD.com
Three Valleys	Sylvie Lee	slee@tvmwd.com
Upper Water	Katherine Vazquez	katherine@usgvmwd.org
Walnut Valley Water District	Donna DiLaura	ddilaura@walnutvalleywater.gov
Walnut Valley Water District	Dusty Moisio	dmoisio@rwd.org
Walnut Valley Water District	Greg Galindo	ggalindo@walnutvalleywater.gov
Walnut Valley Water District	James Ning	jning@walnutvalleywater.gov
Walnut Valley Water District	Tom Coleman	TColeman@rwd.org

Regional Workshop #2 Materials

Workshop 2: Draft Regional Urban Water Management Plan Review

April 2, 2026



Workshop Introduction

Three Valleys Municipal Water District

RUWMP-Participating Agencies:

- City of Glendora
- City of La Verne
- City of Pomona
- GSWC – Claremont
- GSWC – San Dimas
- Rowland Water District
- Three Valleys Municipal Water District
- Walnut Valley Water District

Other Member Agencies:

- Boy Scouts of America - Firestone Reservation
- California Polytechnic University, Pomona
- City of Covina
- Mt. San Antonio College
- Suburban Water Systems
- Valencia Heights Water Company

Workshop Objectives

- I. Update on Draft RUWMP**
- II. Plan ahead to complete the RUWMP on time**
- III. Answer your questions**

Workshop Agenda

5 min	Welcome & Introductions
10 min	Refresher for the 2025 Regional UWMP Structure
30 min	Draft RUWMP Review (Key Assumptions & Results)
15 min	Integrating Local Realities and Regional Reliability
5 min	WSCP Status
20 min	Q&A and Discussion
10 min	Schedule and Next Steps

Presenters and GEI/WSC Project Team



Matthew Bachman
Water Supply & DRA
👤 (Presenter)



Sevim Onsoy, PhD
Project Manager
👤 (Presenter)



Fatima Segoviano
UWMP Development



Imani Lawrence
Water Resources Planner



Roger Putty, PE, PMP
Principal-in-Charge



Kwabena Asante, PhD, PE
Technical Lead, Water
Supply Reliability



Peter Kavounas, PE
Technical Advisor



Laine Carlson
Technical Advisor



Spencer Waterman
Technical Lead, Demands

Overview of the 2025 Regional UWMP Structure

Regional UWMP Structure



Regional Context

Part 1 Contains the information needed to meet the requirements of the UWMP Act for the local agencies who are using this Plan to meet their 2025 UWMP Requirements.

Executive Summary
(Lay Description)

1. Introduction
2. Region Description
3. Regional Water Sources and Management
4. Comparison of Regional Supplies and Demands
5. References



Local Agency UWMPs

Part 2 Provides supplemental information for the eight local agencies who are using this Plan to meet their 2025 UWMP requirements.

1. Three Valleys Municipal Water District
2. City of Glendora
3. City of La Verne
4. City of Pomona
5. Golden State Water Co. (Claremont)
6. Golden State Water Co. (San Dimas)
7. Rowland Water District
8. Walnut Valley Water District



Regional Supporting Information

Part 3 Includes all of the supporting documentation referenced in Part 1 that is applicable to the Region as well as the regulatory compliance guide that DWR will use to verify that Part 1 meets the UWMP requirements.



UWMP Agency Supporting Information

Part 4 Includes a set of supporting documentation for each UWMP agency corresponding to their respective chapters in Part 2. Documents will include a compliance guide that DWR will use to verify the agency met the UWMP Act requirements, the Agency's WSCP, and other documents specific to each agency.

Three Valleys

- Part 1:** Regional Context
- Part 2:** TVMWD Wholesale Chapter
- Part 3:** Regional Supporting Information
- Part 4:** TVMWD Supporting Information

Participating Agency (e.g., City of Glendora)

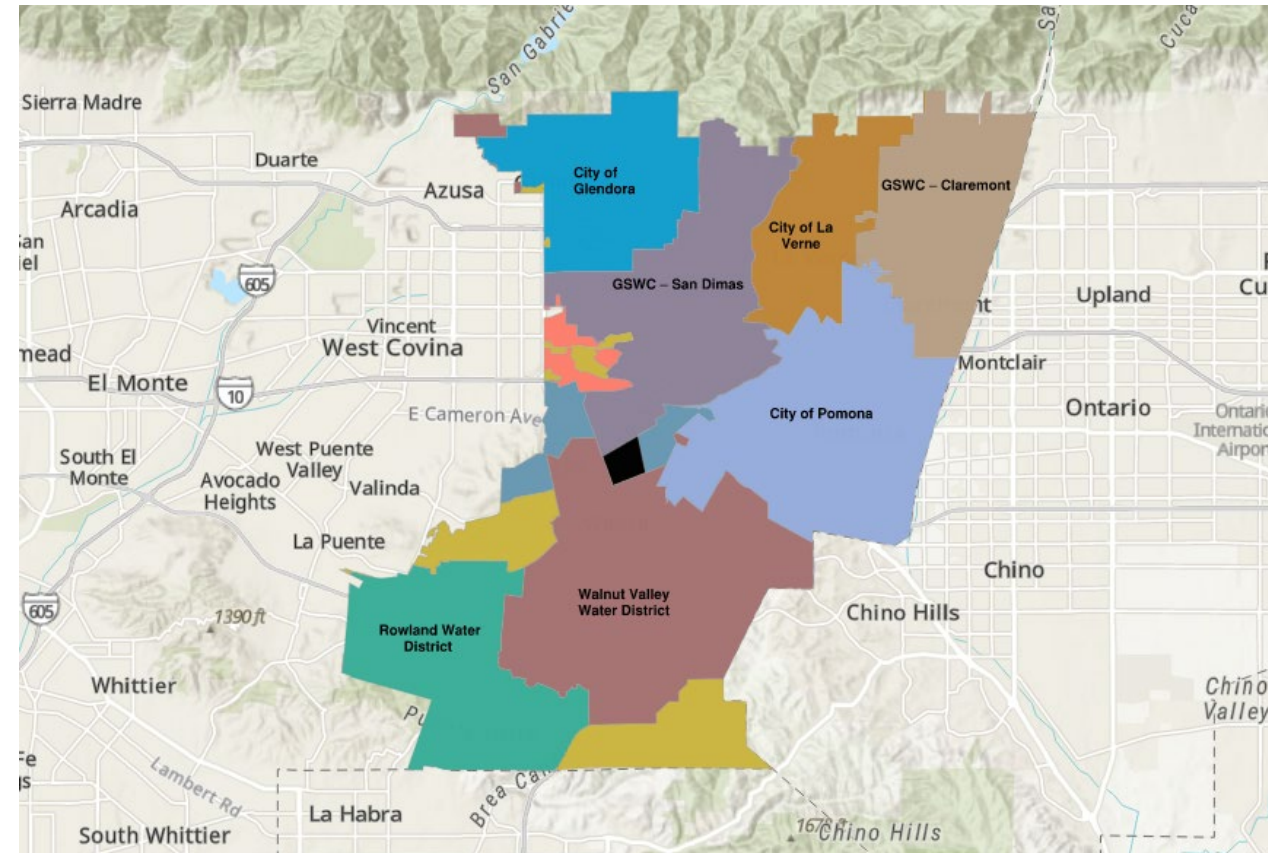
- Part 1:** Regional Context
- Part 2:** Agency-Specific Chapter
- Part 3:** Regional Supporting Information
- Part 4:** Agency-Specific Supporting Information

Draft RUWMP Review

Regional Portfolio | Data Collection & Background

- **Comprehensive Data Gathering:** Collected historical production, consumption, and water loss data (2021-2025) to establish a “baseline” water use.
- **Agency Collaboration:** Conducted individual meetings with 7 participating agencies to ground-truth demand drivers, supply constraints, and future development plans.
- **Regional Integration:** Incorporated available data for the 6 other TVMWD agencies to build a complete regional picture of the Three Valleys service area.

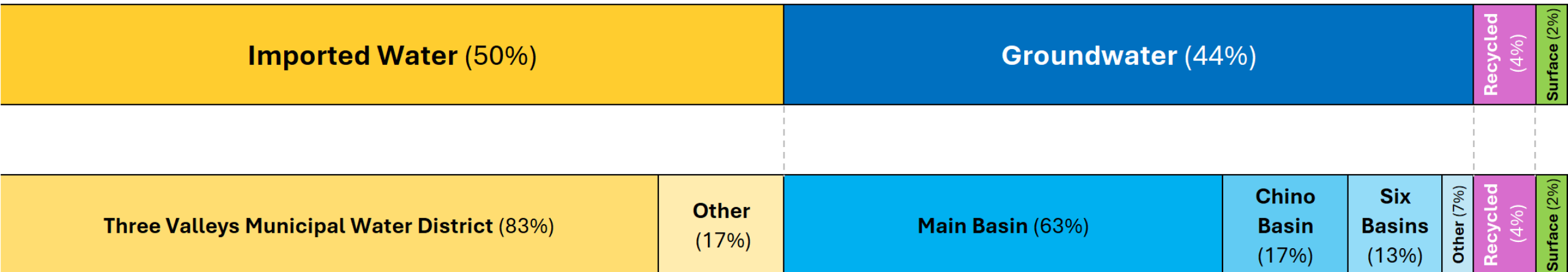
This dataset serves as the backbone for the RUWMP, ensuring regional infrastructure and supply reliability projects are based on accurate local realities.



Existing | Regional Water Use Baseline (2021-2025)

Regional Water Use =
 RUWMP Participants
 + Other TVMWD Agencies

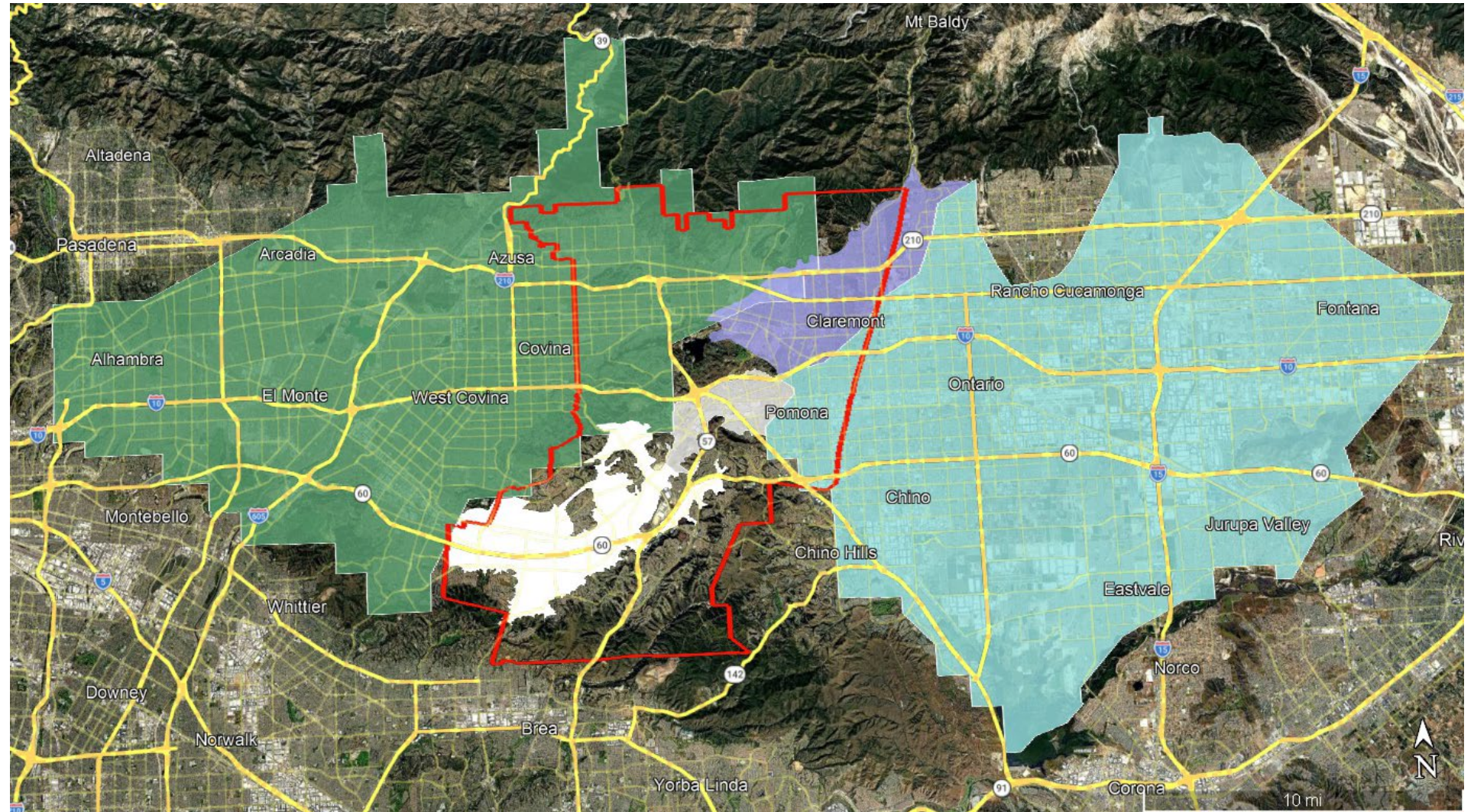
Agency Type	Water Use Data Source
RUWMP Participants (7)	Provided by agencies
Other TVMWD Agencies (6)	Estimated from publicly available documentation and data provided to TVMWD for other planning efforts



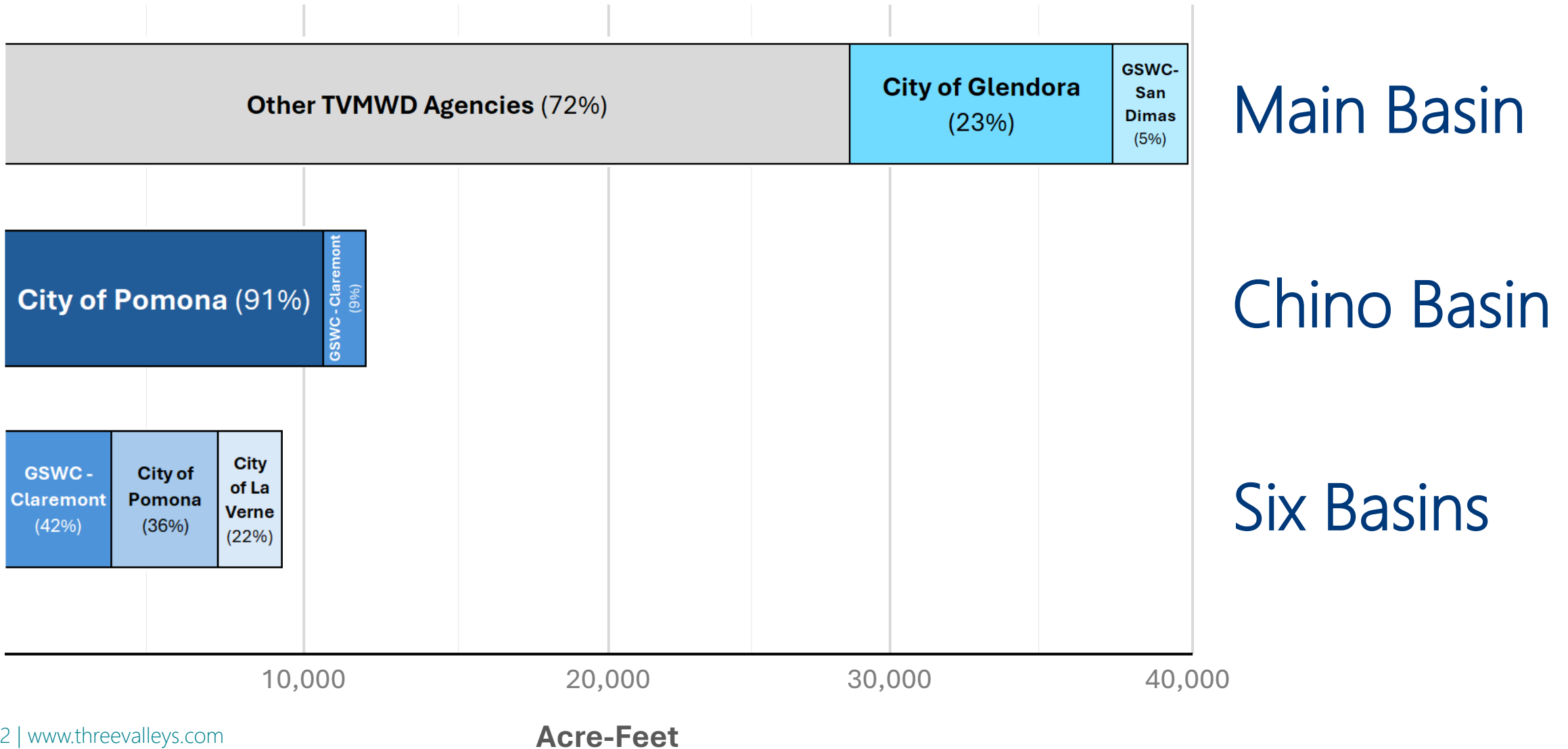
Existing | Regional Groundwater Portfolio

Legend

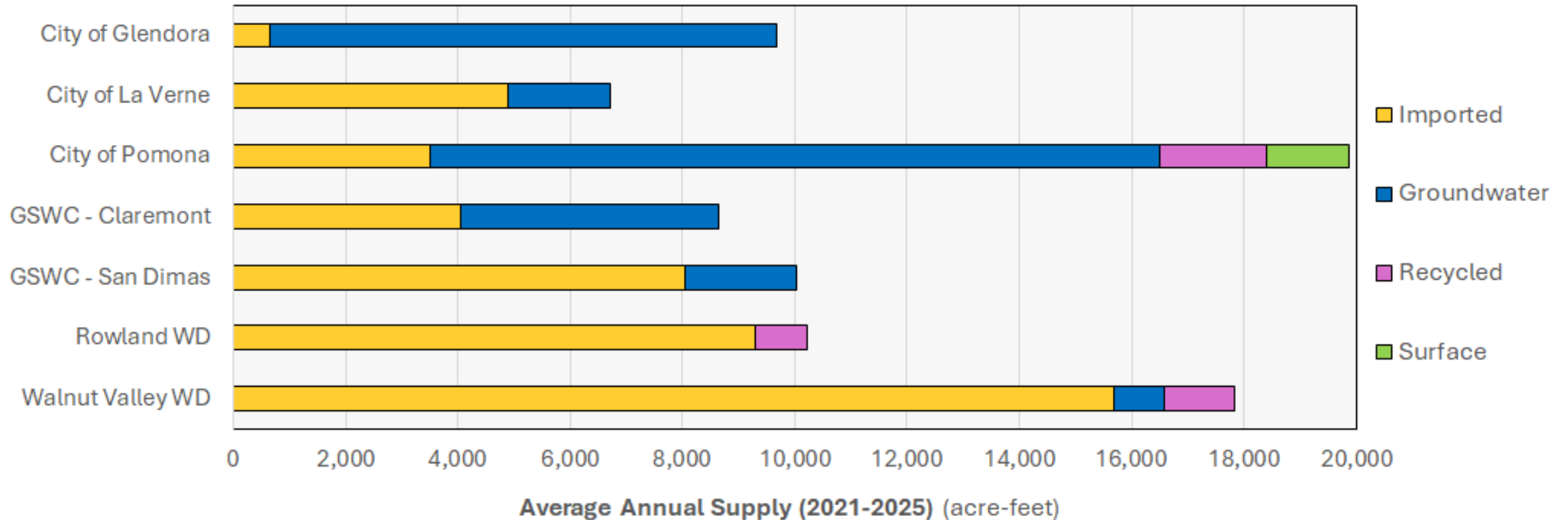
-  Main San Gabriel Basin
-  Puente Basin
-  Chino Basin
-  Six Basins
-  Spadra Basin
-  Three Valleys



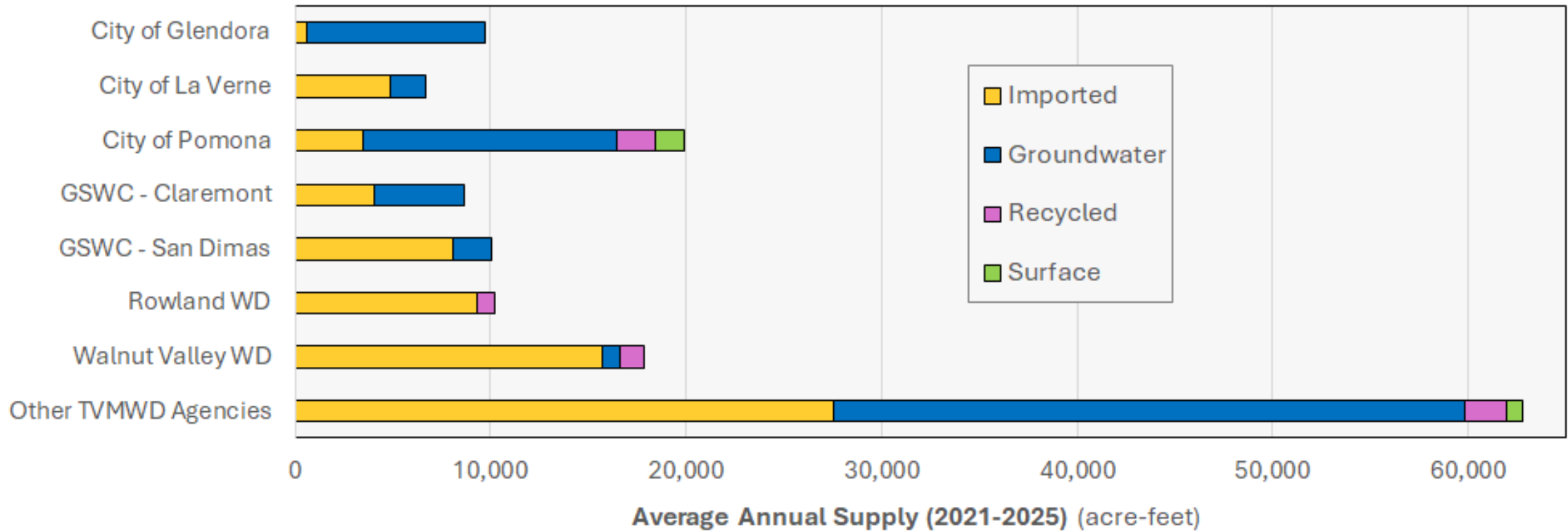
Existing | Regional Groundwater Portfolio (2021-2025)



Existing | RUWMP Agency Water-Use Baselines (2021-2025)



Existing | Regional Water-Use Baselines (2021-2025)



Projected | Demand Projections Methodology

- Multi-Scenario Analysis:** Developed and presented up to five distinct demand projection methodologies to each participating agency, ranging from "Status Quo" trends to aggressive "CWOL Compliance" scenarios.
- Agency Collaboration:** Participating agencies worked one-on-one with GEI and WSC to review these scenarios and identify the specific methodology most representative of their local service area.
- Regional Integration:** The finalized regional demand reflects a "bottom-up" aggregation of these agency-verified selections, ensuring the plan is grounded in local operational reality.

Step 1: Connections Growth Selection					
Growth Option 1- Connections Increase at Selected Methods per Use Type	Residential Indoor	Residential Outdoor	CII	Landscape	Other
<i>If Option 1 Selected: Select specified growth method for each use type to the right:</i>	Population Annual Growth Rate	Households Annual Growth Rate	Employees Annual Growth Rate	Employees Annual Growth Rate	Historic Connection Change Rate
	2025-35	2035-2050			
Population Annual Growth Rate	0.15%	0.03%			
Households Annual Growth Rate	0.53%	0.12%			
Employees Annual Growth Rate	0.16%	0.05%			
Historic Connection Change Rate- SFR	-0.24%	-0.24%			
Historic Connection Change Rate- MFR	0.00%	0.00%			
Historic Connection Change Rate- Commercial	2.40%	2.40%			
Historic Connection Change Rate- Landscape	20.34%	20.34%			

Step 2: Baseline & Future Demand Factors					
Selection	Residential Indoor	Residential Outdoor	CII	Landscape	Other
Baseline Year(s)	2025	2025	2025	2025	2025
Existing Connections: Factor % Change by 2030 <i>A positive % is a reduction applied to the baseline demand factors.</i>	0%	0%	0%	0%	0%
Existing Connections: Factor % Change by 2035 onward	1.0%	1.0%	1%	1%	1%
Total Baseline Factor % Change by 2040	2.0%	2.0%	2.0%	2.0%	2.0%
UWUO-Based Reduction Reference for 2040	45.7%	34.6%	0%	44%	N/A
New Connections: Factor % Change by 2030	10%	10%	10%	10%	10%
New Connections: Factor % Change by 2035 Onward	5%	5%	5%	5%	5%
Total Baseline Factor % Change by 2040	20.0%	20.0%	20.0%	20.0%	20.0%
UWUO-Based Reduction Reference for 2040	45.7%	47.3%	0.0%	43.9%	N/A
Indoor/ Outdoor Water Usage Percentages	51%	49%			
Indoor Water Usage Percentages			100%	0%	100%
Outdoor Water Usage Percentages			0%	100%	0%

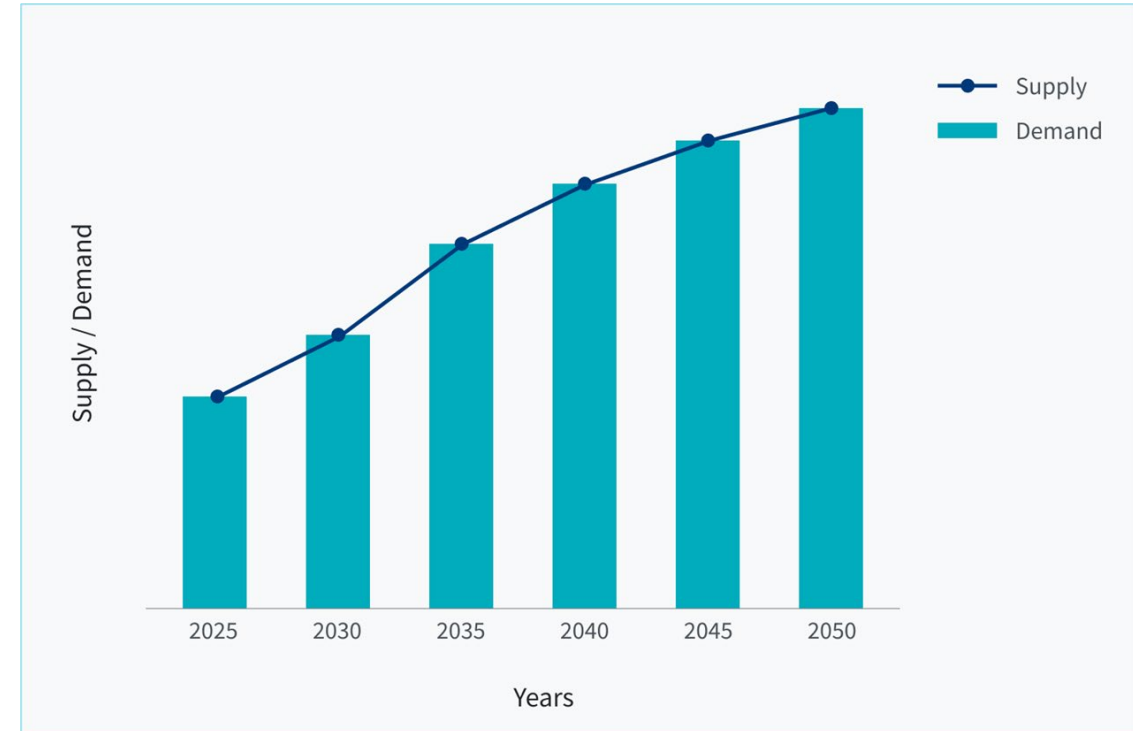
Projected | Supply Projections Methodology

Methodology Option 1

“Real Water” Approach

Baseline local agency supplies = 2021-2025 Average

1. Apply climate change factors from TVMWD Climate Vulnerability Analysis to baseline local agency supplies through 2050¹.
2. Compare agency local supply projections to 2025 UWMP demand projections through 2050.
3. Any projected unmet demand is assumed to be met by imported water supply¹.



¹ Also considers any operating restrictions (e.g., OSY), anticipated availability of supply, legal rights, etc.

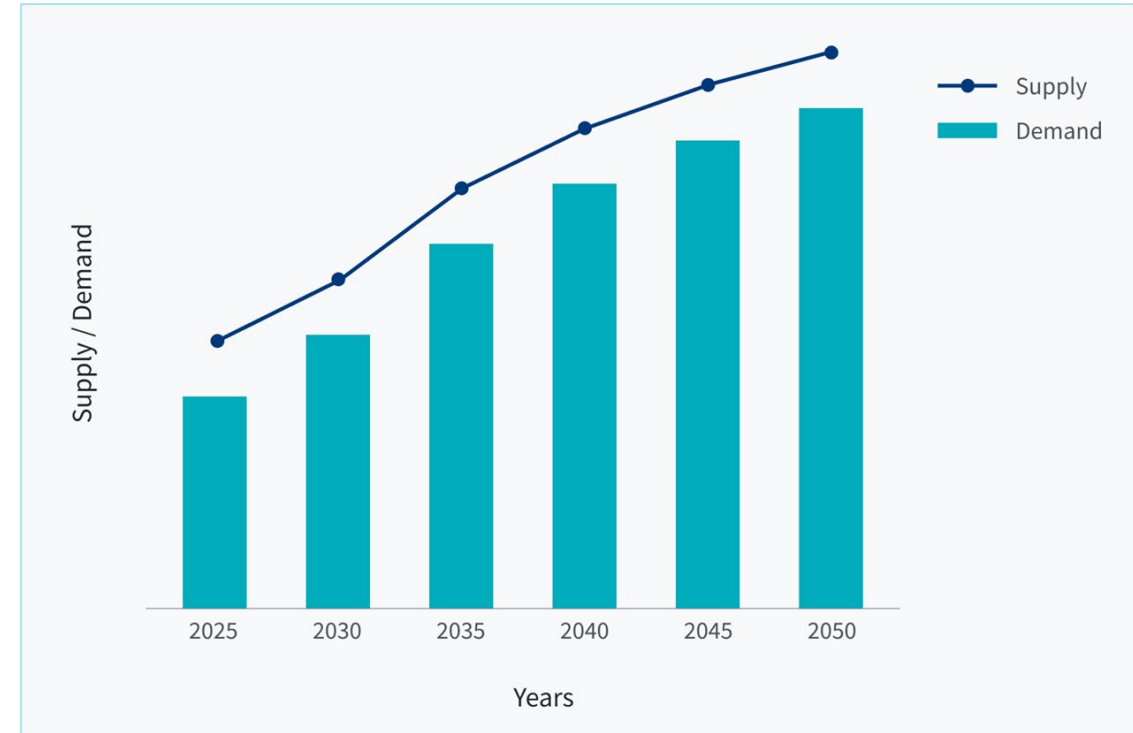
Projected | Supply Projections Methodology

Methodology Option 2

“Paper Water” Approach

Baseline local agency supplies = 2021-2025 Average

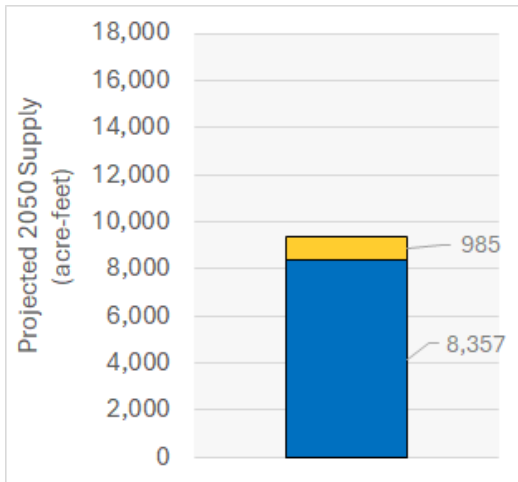
1. Apply climate change factors from TVMWD Climate Vulnerability Analysis to baseline local agency supplies through 2050¹.
2. Projected imported water supply is determined with the agency based on historical supply, anticipated availability, legal rights, etc., through 2050.



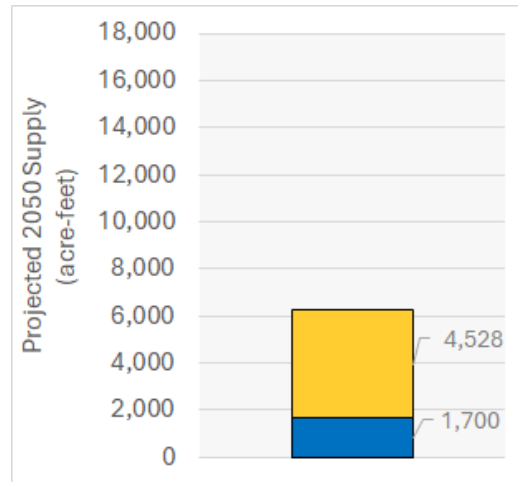
¹ Also considers any operating restrictions (e.g., OSY), anticipated availability of supply, legal rights, etc.

Projected | RUWMP Agency Water-Use Portfolios* (2050)

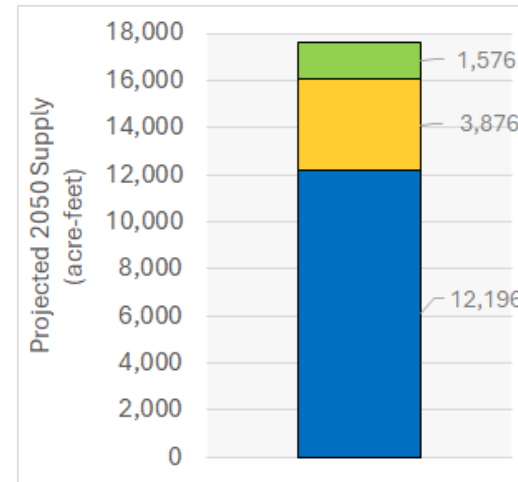
City of Glendora



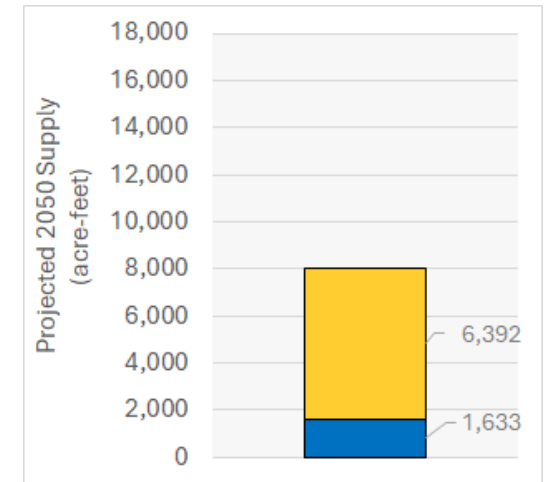
City of La Verne



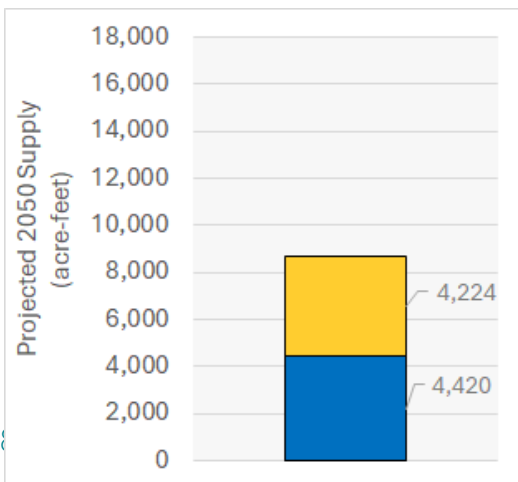
City of Pomona



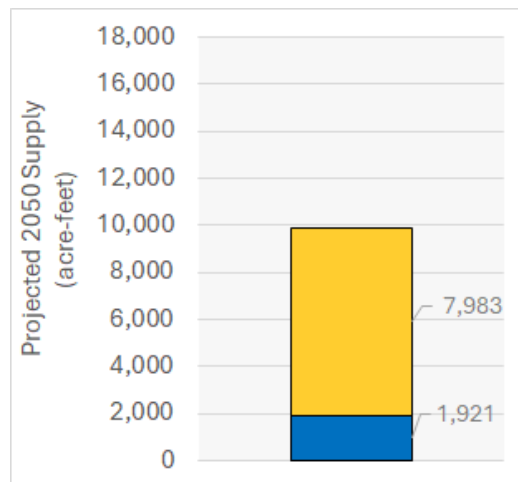
Rowland Water District



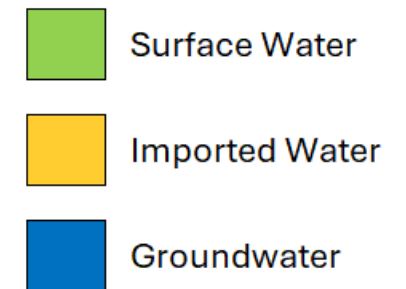
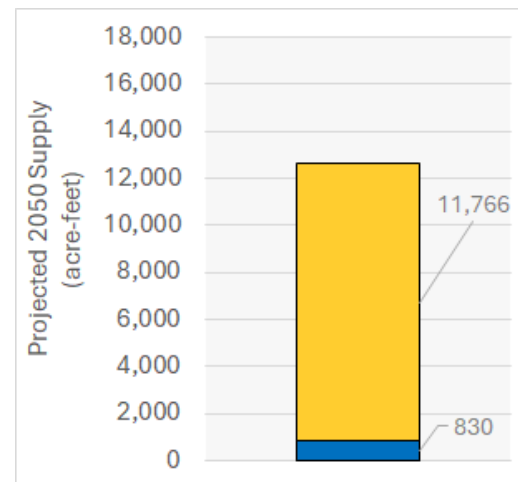
GSWC – Claremont



GSWC – San Dimas

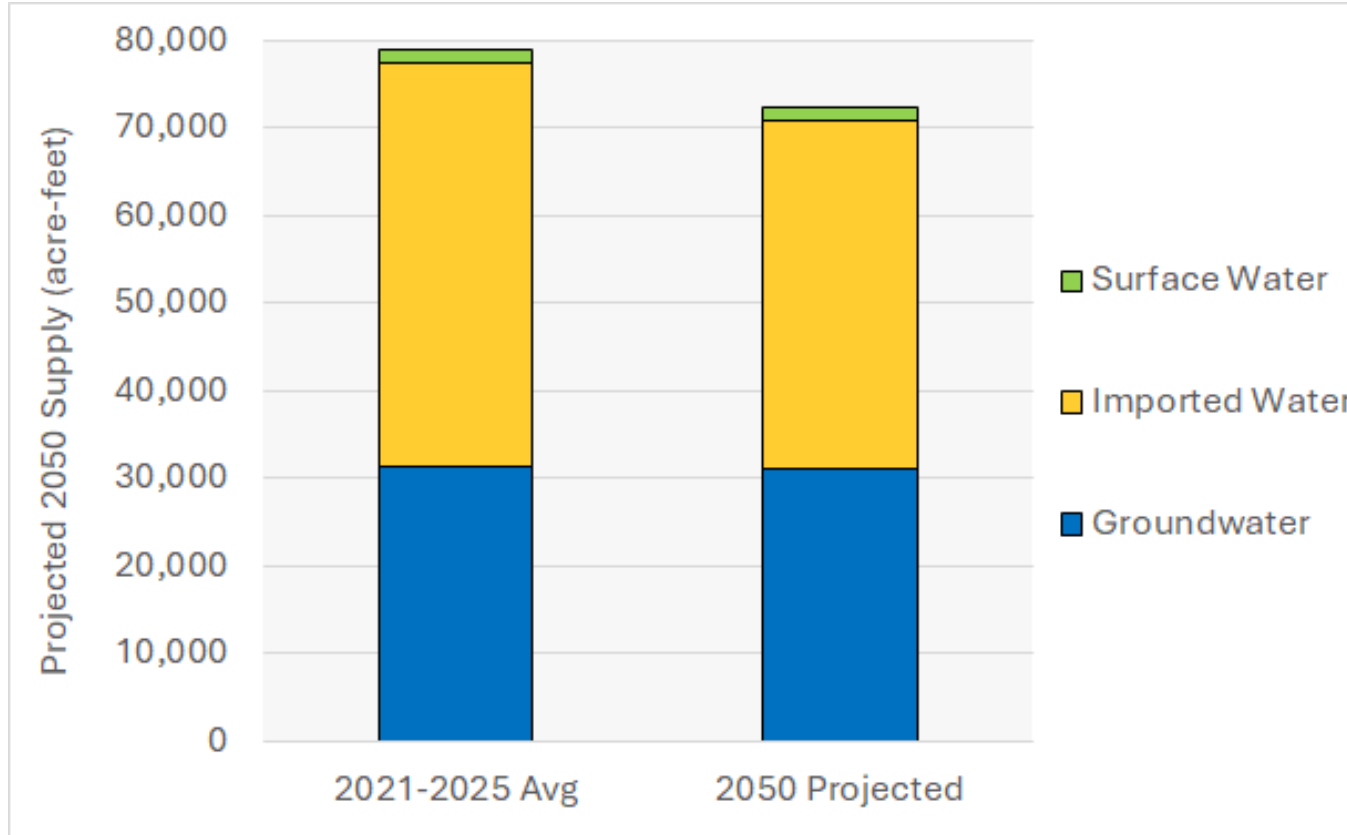


Walnut Valley Water District



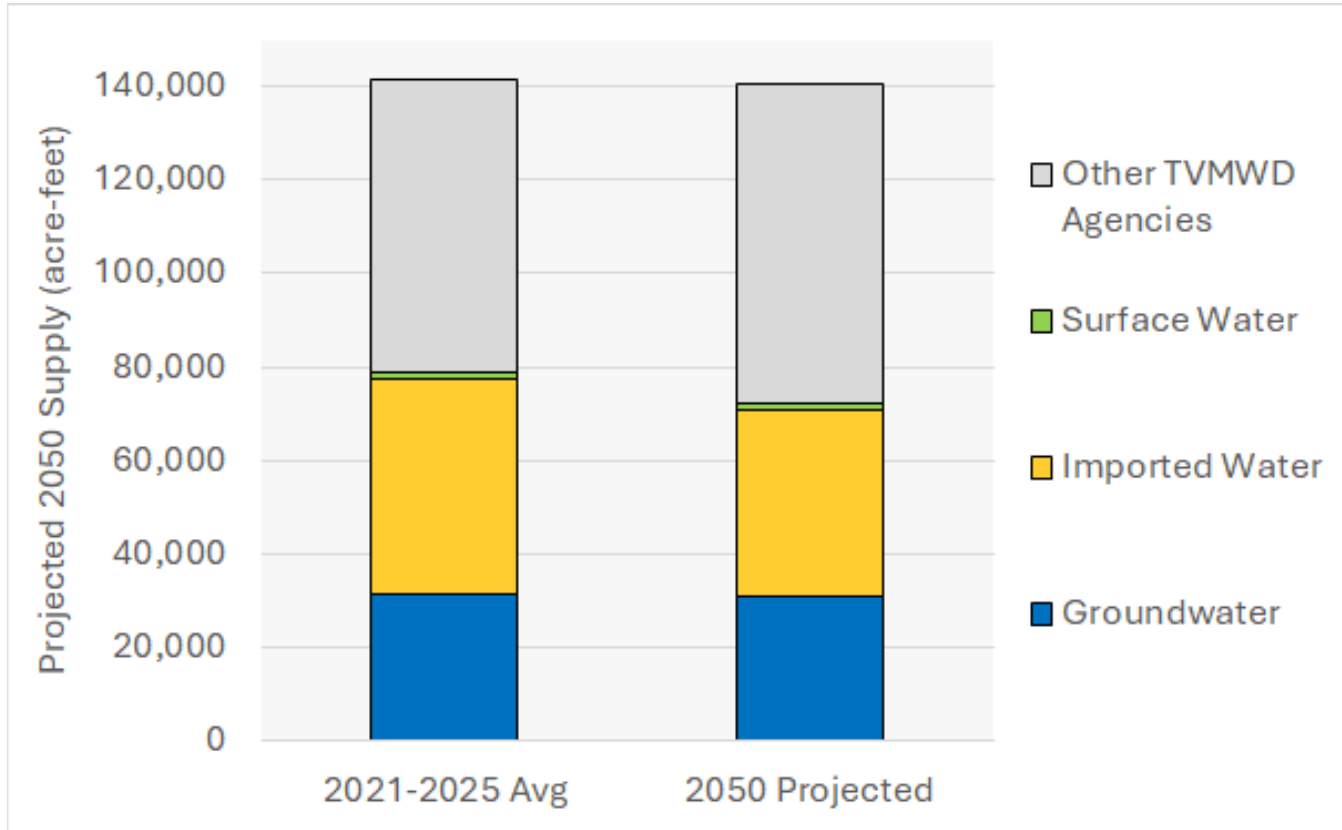
* Excludes recycled water

Projected | RUWMP Agencies Water-Use Portfolios* (2050)



Supply (AF)	2021-2025 Average	2050 Projected
Surface Water	1,481	1,576 (+6%)
Imported Water	46,137	39,574 (-14%)
Groundwater	31,319	31,055 (-1%)
TOTAL	78,931	71,557 (-8%)

Projected | Regional Agencies Water-Use Portfolio* (2050)



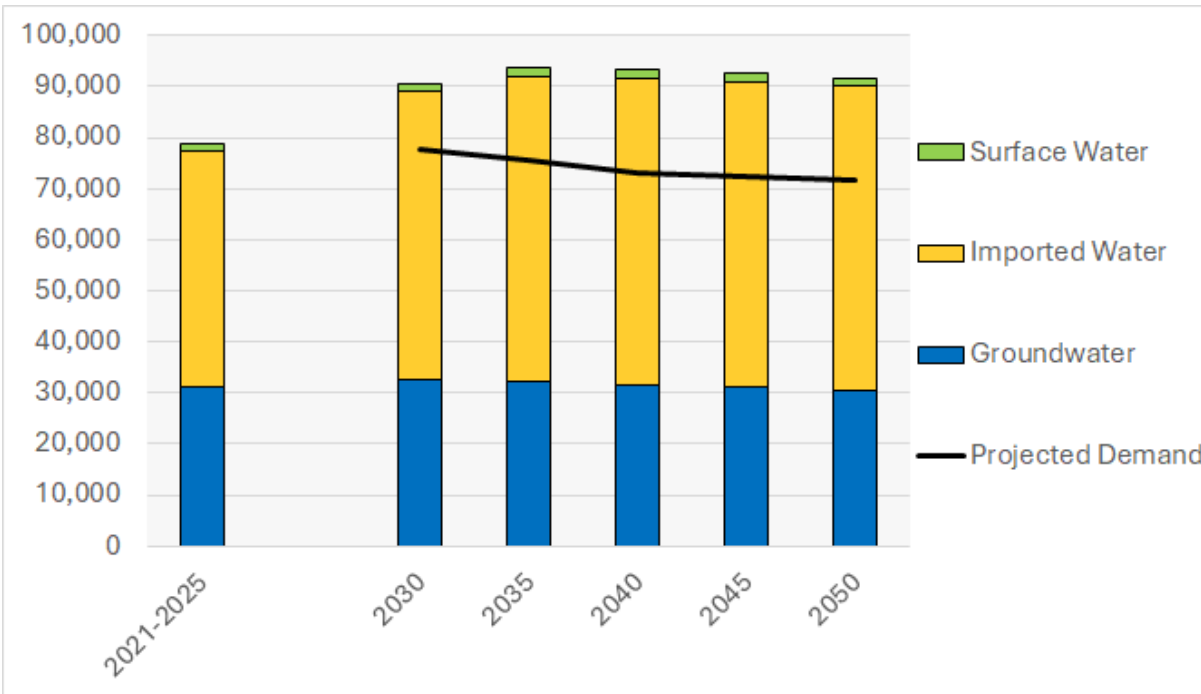
Supply (AF)	2021-2025 Average	2050 Projected
Other TVMWD Agencies ¹	62,759	68,070 (+8%)
Surface Water	1,481	1,576 (+6%)
Imported Water	46,137	39,754 (-14%)
Groundwater	31,319	31,055 (-1%)
TOTAL	141,695	140,455 (-1%)

¹ Estimated

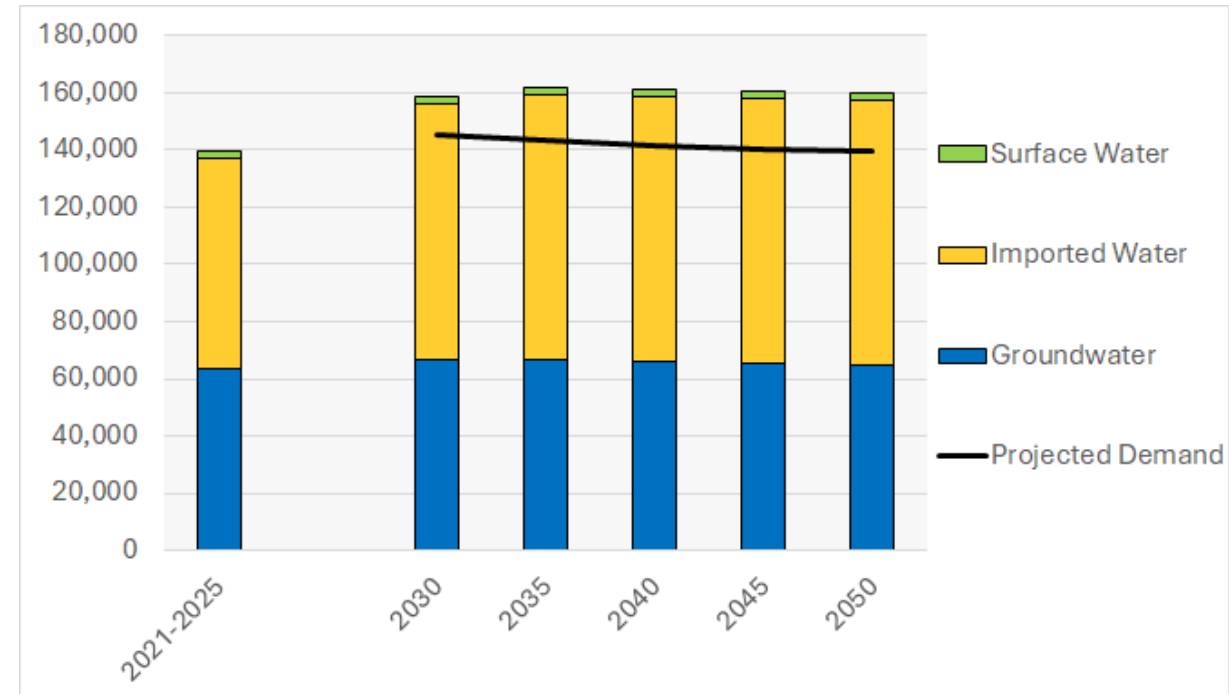
* Excludes recycled water

Projected | Regional Water-Use Portfolio* (2030-2050)

RUWMP-Participating Agencies



Regional (All) Agencies



Drought Risk Assessment

Drought Risk Assessment (DRA)

What is the Drought Risk Assessment?

The DRA is a stress test required by DWR as part of the UWMP to verify supply reliability under specific hydrologic conditions.

What are the specific hydrologic conditions?

1. Normal Year: Average climate and supply.
2. Single Dry Year: Constrained supply, increased demand.
3. Five-Consecutive-Year Drought: Prolonged period of constrained supply, increased demand.

Why does DWR require a Drought Risk Assessment?

The DRA is intended to test near-term reliability, specifically:

- The functionality of the Supplier's Water Shortage Contingency Plan (WSCP).
- Identify potential shortages.
- Justify short-term demand reduction or supply augmentation measures.

Drought Risk Assessment | Regional Resiliency

The Three Valleys Regional **Supply Reliability** is secured by two pillars:

- **MWD's high reliability imported supply**
 - MWD's storage reservoirs are currently at a near record-high.
 - Modeling shows that even with cutbacks on SWP and Colorado River supplies, MWD has sufficient storage to meet wholesale demands without shortage allocations over the next 5 years.
- **Management of local groundwater basins**
 - Major regional basins – Main San Gabriel, Chino, and Six Basins – are adjudicated and managed such that continued pumping is possible during drought.

The Three Valleys Region manages **Demand** via multiple means:

- **Baseline demand assumptions**
 - Projections include "Passive Conservation" as well as "Active Conservation".
- **The WSCP "Safety Net"**
 - Agencies can implement shortage levels (Level 1, 2, etc.) to reduce demand by 10-50%+.
- **Regional collaboration**
 - TVMWD coordinates closely with MWD and retail agencies to monitor key metrics (e.g., SWP allocations, reservoir levels) to determine if WSCP or further actions are necessary.

Drought Risk Assessment | Regional Reliability

Analysis performed for the Drought Risk Assessment shows that even with reduced imported and local supplies and increased weather-driven demands, **the region maintains sufficient supply to meet demand** during single and multi-year drought conditions

Scenario	Supply Assumption	Demand Assumption	Regional Outcome
Normal Year	Average imported & local yield	Normal water use	Sufficient regional supply
Single Dry Year	Reduced imported allocation	Increased	
5-Year Drought	Constrained imported & local yield	Increased	

Integrating Local Realities (Part 2) and Regional Reliability (Part 1)

Legalese | "Lay Description" of RUWMP Part 1 vs. Part 2

*The regional analyses described in Part 1 were conducted using a consistent analytical framework, assumptions, and methodologies that directly apply to this Participating Agency. **[Agency Name]** relies on Part 1 of the RUWMP for the lay description, regional supply availability, and the underlying technical methodology used to evaluate water supply reliability under normal, single dry-year, multiple dry-year, and five-year drought stress-test conditions.*

*Building upon that regional foundation, the specific supply and demand comparisons for **[Agency Name]** are provided in the tables within this chapter. Unless otherwise noted, the conclusions of the regional water supply reliability assessment and DRA are directly applicable to this supplier and satisfy the requirements of the Urban Water Management Planning Act and the 2025 UWMP Guidebook.*

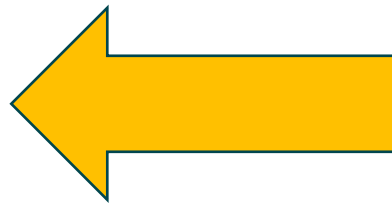
RUWMP Integration | Part 2 & Part 1 Symbiosis

- Regional Supply/Demand Details
- MWD Supplies Reliability

Part 1
Regional Context



Part 2
Agency-Specific



- Local Demands
- Local Supplies

Part 2 → Part 1 | The Bottom-Up Aggregation

Part 1 Regional Context



Part 2 Agency-Specific

Table 5-1. Normal Year Supply and Demand (RUWMP Participating Agencies) (Acre-Feet)

Category	2030	2035	2040	2045	2050
Local Groundwater	32,398	33,068	32,577	31,904	31,055
City of Glendora	9,090	9,018	8,864	8,642	8,357
City of La Verne	1,849	1,834	1,803	1,758	1,700
City of Pomona	13,266	13,160	12,936	12,612	12,196
GSWC - Claremont	1,592	1,521	1,492	1,456	1,420
Imported Water (TVMWD/MWD)	41,089	36,304	35,076	34,826	34,829
City of Glendora	906	853	825	867	977
City of La Verne	4,503	4,506	4,498	4,505	4,528
City of Pomona	3,315	3,408	3,458	3,617	3,876
Imported Water (Other)²	2,491	5,009	4,988	4,960	4,926
City of Glendora	8	8	7	8	9
GSWC - San Dimas	682	709	707	706	705
Rowland Water District	1,101	1,092	1,073	1,047	1,012

Table 4-4. DWR 6-9R Projected Water Supplies (AF)

Water Supply	Additional Detail on Water Supply	2030	2035	2040	2045	2050
Groundwater (not desalinated)	Main Basin	9,090	9,018	8,864	8,642	8,357
Purchased or Imported Water	Metropolitan Water District – TVMWD	906	853	825	867	977
Purchased or Imported Water	Covina Valley Water Company	8	8	7	8	9
Total		10,004	9,878	9,696	9,517	9,342

Part 1 → Part 2 | The Top-Down Verification

Part 1 Regional Context



Part 2 Agency-Specific

Table 3-2. Projected Availability of TVMWD Wholesale Imported Supplies (from MWD)

Hydrologic Scenario	MWD Base Allocations (SWP and CRA)	MWD Storage Withdrawals (DVL, Groundwater Banks)	TVMWD Projected Imported Reliability
Normal Year	Average to High	Minimal (Net Storage Accumulation)	100% of Demand Met
Single Dry Year	Constrained	High (Storage Drawn Down)	100% of Demand Met
5-Year Drought	Severely Constrained	Maximum (Sustained Storage Drawdown)	100% of Demand Met

Table 5-7. Multiple Dry Years Supply and Demand (RUWMP Participating Agencies) (Acre-Feet)

Sequence Year	Category	2030	2035	2040	2045	2050
First Year	Projected Supply	91,557	89,843	87,951	86,923	85,956
	Projected Demand	91,557	89,843	87,951	86,923	85,956
	Surplus / Deficit	0	0	0	0	0
Second Year	Projected Supply	83,467	81,904	80,179	79,242	78,360
	Projected Demand	83,467	81,904	80,179	79,242	78,360
	Surplus / Deficit	0	0	0	0	0
Third Year	Projected Supply	87,401	85,764	83,958	82,977	82,054
	Projected Demand	87,401	85,764	83,958	82,977	82,054
	Surplus / Deficit	0	0	0	0	0
Fourth Year	Projected Supply	93,130	91,387	89,462	88,417	87,433
	Projected Demand	93,130	91,387	89,462	88,417	87,433
	Surplus / Deficit	0	0	0	0	0
Fifth Year	Projected Supply	87,382	85,746	83,940	82,959	82,036
	Projected Demand	87,382	85,746	83,940	82,959	82,036
	Surplus / Deficit	0	0	0	0	0

Table 5-4. DWR 7-4R Multiple Dry Years Supply and Demand Comparison

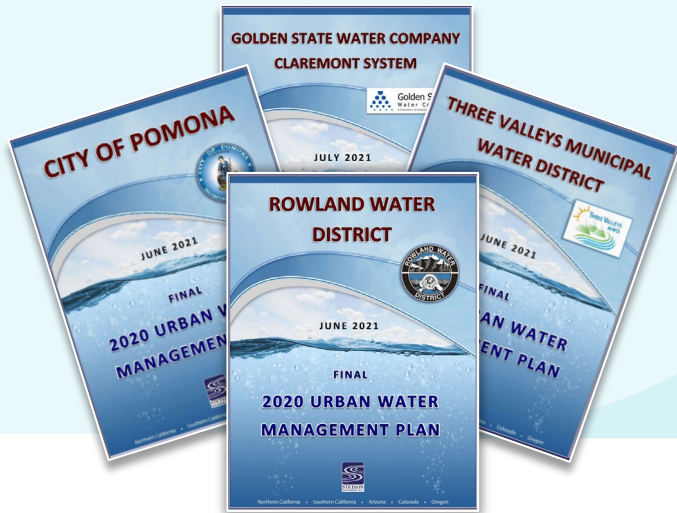
Year	Totals	2030	2035	2040	2045	2050
First Year	Supply Totals	11,188	11,047	10,844	10,644	10,448
	Demand Totals	11,188	11,047	10,844	10,644	10,448
	Difference	0	0	0	0	0
Second Year	Supply Totals	10,170	10,042	9,857	9,675	9,497
	Demand Totals	10,170	10,042	9,857	9,675	9,497
	Difference	0	0	0	0	0
Third Year	Supply Totals	10,223	10,094	9,908	9,725	9,546
	Demand Totals	10,223	10,094	9,908	9,725	9,546
	Difference	0	0	0	0	0
Fourth Year	Supply Totals	11,458	11,314	11,105	10,900	10,700
	Demand Totals	11,458	11,314	11,105	10,900	10,700
	Difference	0	0	0	0	0
Fifth Year	Supply Totals	10,548	10,415	10,223	10,035	9,850
	Demand Totals	10,548	10,415	10,223	10,035	9,850
	Difference	0	0	0	0	0

Water Shortage Contingency Plan (WSCP) 2025

2025 WSCP

Document Collection:

- Gathered 2020 UWMP WSCP Chapters
- Reviewed agency WSCPs



Key Updates to WSCPs:

- Updated references 2020 UWMP → 2025 UWMP
- Updated tables and data



2025 WSCPs Structure:

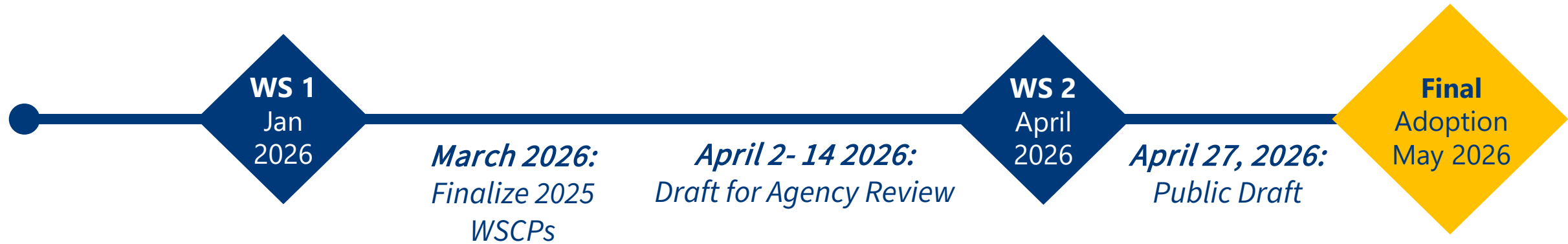
- Chapter 7: Discusses the WSCP + summarizes any agency insights/updates
- Appendix: Full 2025 WSCP



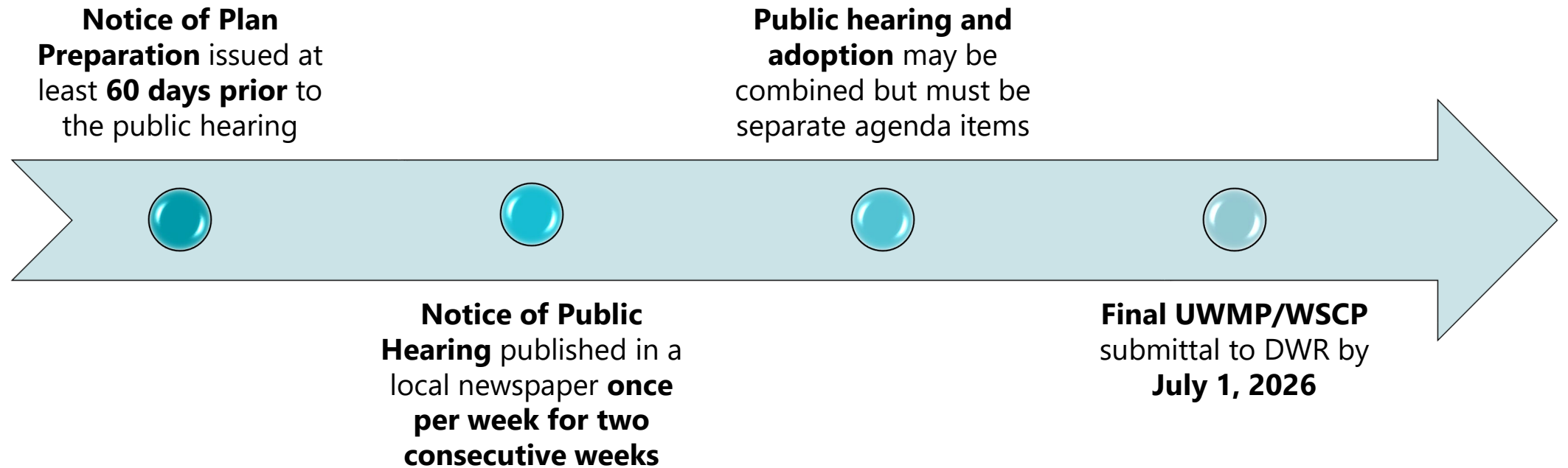
Q&A

Schedule and Next Steps

Schedule



Public Adoption and Public Notice Process



Public Adoption and Public Notice Process Schedule

Agency	Confirmed Public Hearing and Adoption Meeting ¹	Date Notice of Plan Preparation Needed (60-Day) ²	Date Public Drafts Needed for Website Posting	Newspaper Used for Public Hearing Notice ³	Newspaper Publication Days	Two-Week Ad Window ³	Date Final Package Needed for Public Hearing and Adoption ⁴
Three Valleys Municipal Water District	May 20, 2026	March 21, 2026	April 27, 2026	San Gabriel Valley Tribune	X	Yes	May 12, 2026
City of Glendora	May 26, 2026	March 27, 2026		San Gabriel Valley Examiner	X	Yes	May 5, 2026
City of La Verne	May 18, 2026	March 19, 2026		Inland Valley Daily Bulletin	X	Yes	May 11, 2026
City of Pomona	May 18, 2026	March 19, 2026		Inland Valley Daily Bulletin	X	Yes	April 28, 2026
Golden State Water Company – Claremont	May 26, 2026	March 27, 2026		X	X	Yes	May 19, 2026
Golden State Water Company – San Dimas	May 26, 2026	March 27, 2026		X	X	Yes	May 19, 2026
Rowland Water District	May 19, 2026	March 20, 2026		San Gabriel Valley Tribune	4/28 & 5/5	Yes	May 8, 2026
Walnut Valley Water District	May 18, 2026	March 19, 2026		San Gabriel Valley Examiner	X	Yes	May 11, 2026

Notes:

1. The public hearing and adoption may occur at the same meeting but must be separate agenda items.
2. Notice of Plan Preparation must be issued at least 60 days prior to the public hearing. The notices to the cities and counties should include the anticipated location where the 2025 UWMP can be viewed, the UWMP revision schedule, and contact information of the UWMP preparer.
3. Notice of Public Hearing must be published in a local newspaper once per week for two consecutive weeks.
4. Final UWMP (including WSCP) must be submitted to DWR by July 1, 2026. The WSCP must be treated as a stand-alone plan for noticing, public hearing, and adoption, even though it must be submitted as part of the UWMP.

Next Steps

- ❑ Participating Agency review of Regional UWMP and individual agency UWMP chapters (April 14)
- ❑ Hold Public Hearing & Adoption
- ❑ Submit Final RUWMP to DWR

Did we meet the Objectives for today?

- I. Update on Draft RUWMP**
- II. Plan ahead to complete the RUWMP on time**
- III. Answer your questions**

ADJOURNMENT

Contact Info:

bpen@tvmwd.com or
sonsoy@geiconsultants.com



Regional Workshop 2 - Draft UWMP Review

Agency	In-Person Attendees	Email
City of Glendora	Damian Martinez	DMartinez@cityofglendora.gov
City of Glendora	Russell Ackerman	RAckerman@cityofglendora.gov
City of La Verne	Raymond Apodaca	rapodaca@laverneca.gov
City of Pomona	Maxus Wong	Maxus.Wong@pomonaca.gov
Walnut Valley Water District	Donna DiLaura	ddilaura@walnutvalleywater.gov
Walnut Valley Water District	James Ning	jning@walnutvalleywater.gov
Walnut Valley Water District	Jared Macias	jmacias@walnutvalleywater.gov
Three Valleys MWD	Brian Pen	bpen@tvmwd.com
Three Valleys MWD	Sylvie Lee	slee@tvmwd.com
Three Valleys MWD	Kevin Panzer	kpanzer@tvmwd.com
Three Valleys MWD	Antonio Carbajal	acarbajal@tvmwd.com
City of Glendora	Armando De Jesus	ADeJesus@cityofglendora.gov
City of Industry	Joshua Nelson	jnelson@cityofindustry.org
City of La Verne	Mike Maestas	mmaestas@laverneca.gov
City of Upland	Michelle Madriz	mmadriz@uplandca.gov
GEI Consultants	Kwabena Asante	kasante@geiconsultants.com
GEI Consultants	Matthew Bachman	MBachman@geiconsultants.com
GEI Consultants	Sevim Onsoy	SOnsoy@geiconsultants.com
GEI Consultants	Roger Putty	rputty@geiconsultants.com
Golden State Water Company	Ben Lewis	benjamin.lewis@gswater.com
Golden State Water Company	Mark Insco	Mark.Insco@gswater.com
Metropolitan Water District	David Sumi	DSumi@mwdh2o.com
Metropolitan Water District/Six Basins	Mike N Ti	mike_ti@mwdh2o.com
Rowland Water District	Allen Davidson	adavidson@rwd.org
Rowland Water District	Elisabeth Mendez	EMendez@rwd.org
Three Valleys MWD	Kirk Howie	khowie@tvmwd.com
Upper Water	Katherine Vazquez	katherine@usgvmwd.org
Walnut Valley Water District	Tom Coleman	TColeman@rwd.org
Walnut Valley Water District	Tom Monk	tmonk@walnutvalleywater.gov