



# Indio Subbasin Alternative Plan Update Annual Report for Water Year 2024-2025

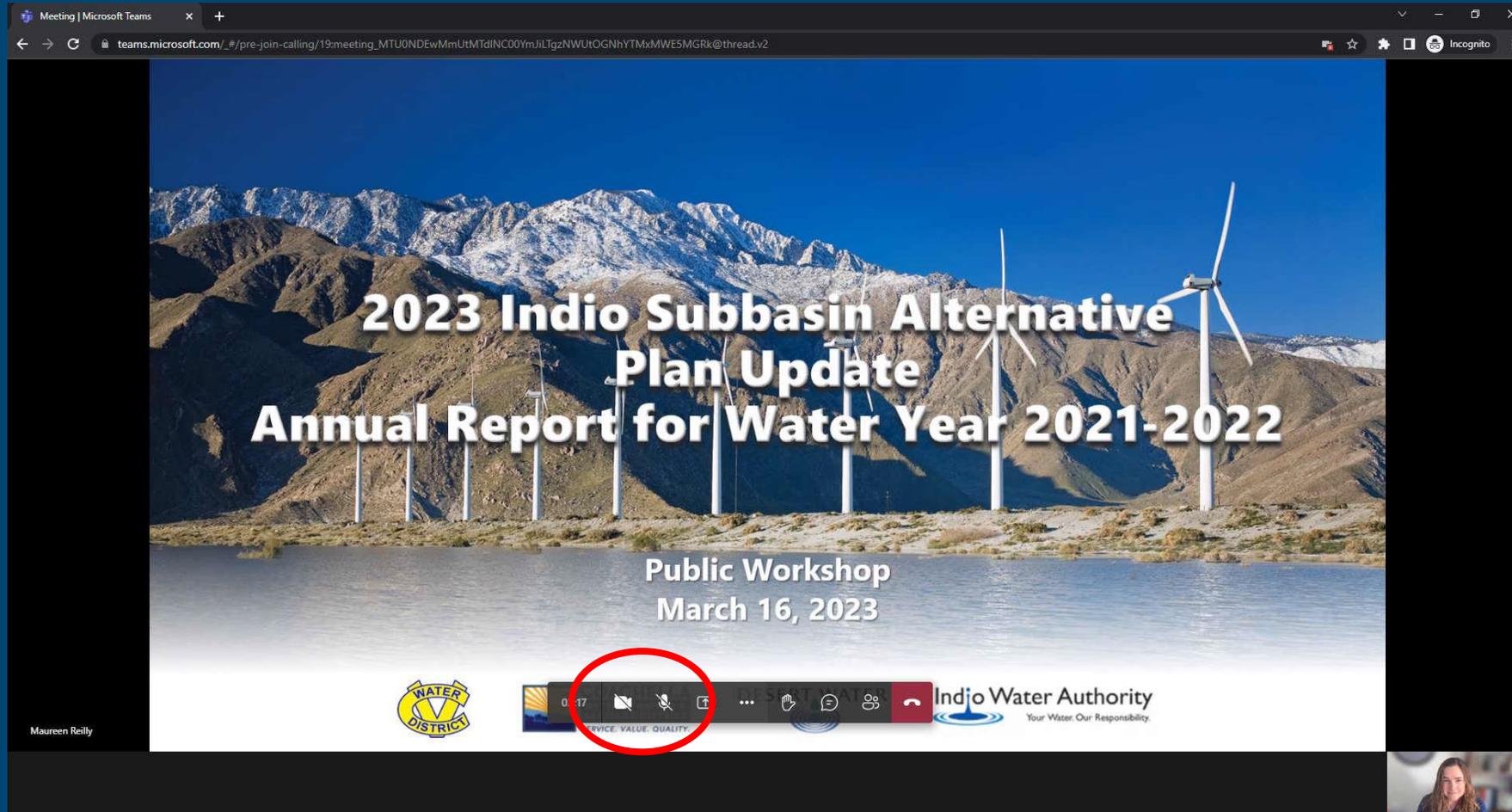
Public Workshop  
March 11, 2026



DESERT  
WATER  
AGENCY



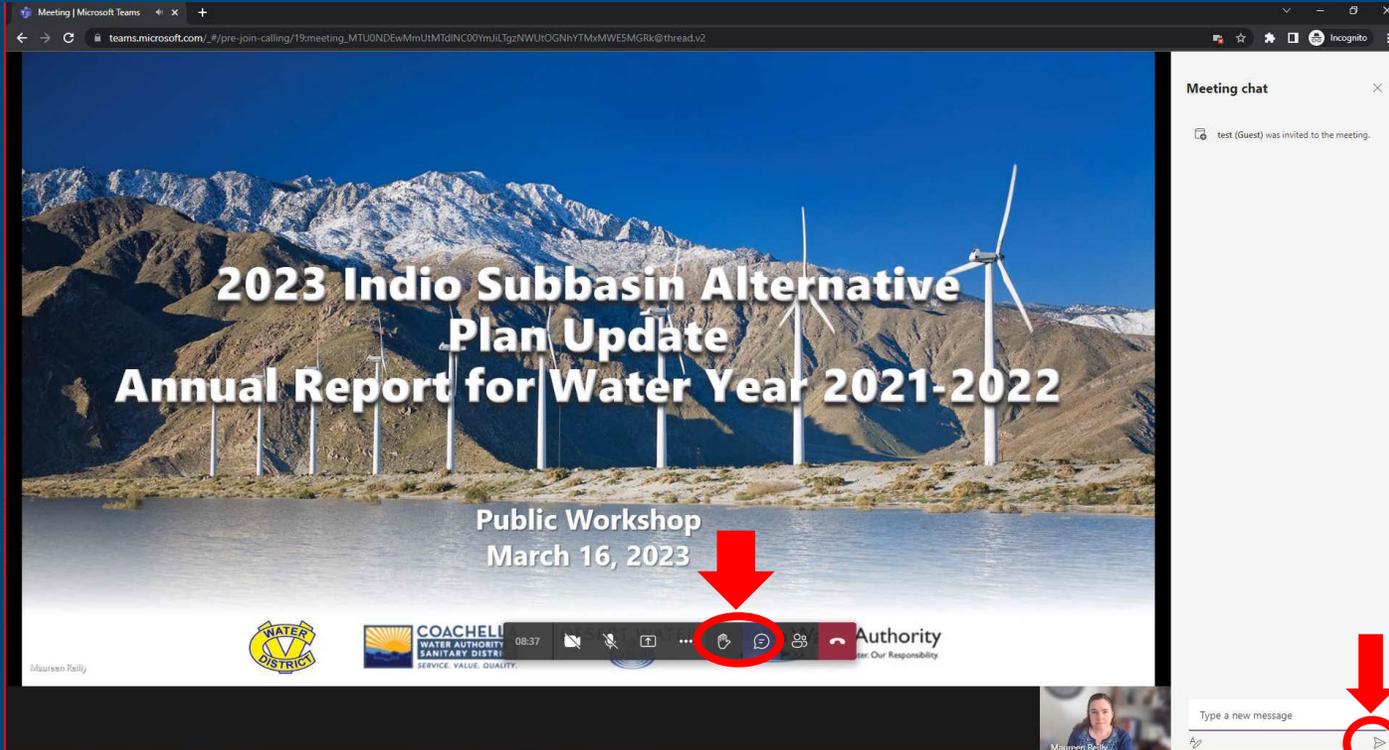
# Teams – Quick How To



The screenshot shows a Microsoft Teams meeting window. The main content is a presentation slide with the following text: "2023 Indio Subbasin Alternative Plan Update Annual Report for Water Year 2021-2022" and "Public Workshop March 16, 2023". The slide features a background image of wind turbines in a desert landscape with mountains. At the bottom of the slide, there are logos for "WATER DISTRICT" and "Indio Water Authority". The meeting controls bar at the bottom of the window includes icons for mute, video, chat, and other functions. A red circle highlights the mute icon in the controls bar. The browser address bar shows the URL: "teams.microsoft.com/\_/pre-join-calling/19:meeting\_MTU0NDEwMmUtMTdINC00YmJlTgzNWU0OGNhYTMyMmWESMGRk@thread.v2".

- Turn on/off your Mic (mute) and Camera (video) using the controls along the bottom
- You may need to wiggle your mouse to make the controls appear
- For Callers: use \*6 to unmute on the phone

# Teams – How to Ask a Question



- Our organizer will mute everyone at the beginning of the meeting
- Let us know you have a question by
  - ❖ Raising your hand (bottom of screen)
  - ❖ Entering the **Chat** (bottom of screen)
    - Click on the right panel, type your message and hit SEND
- Once we receive your request, we will call on you and answer your question
- For Callers: when asked for questions or comments, use \*6 to unmute

# Agenda

- **Welcome and Introductions**
- Annual Report Status
- Groundwater Elevation Data
- Groundwater Extractions
- Surface Water
- Total Water Use
- Change in Groundwater Storage
- Plan Implementation Progress
- Public Comment

# Indio Subbasin Team

- Project Consultants
  - ❖ Todd Groundwater



- Indio Subbasin Groundwater Sustainability Agencies (GSAs)
  - ❖ Coachella Valley Water District
  - ❖ Coachella Water Authority
  - ❖ Desert Water Agency
  - ❖ Indio Water Authority



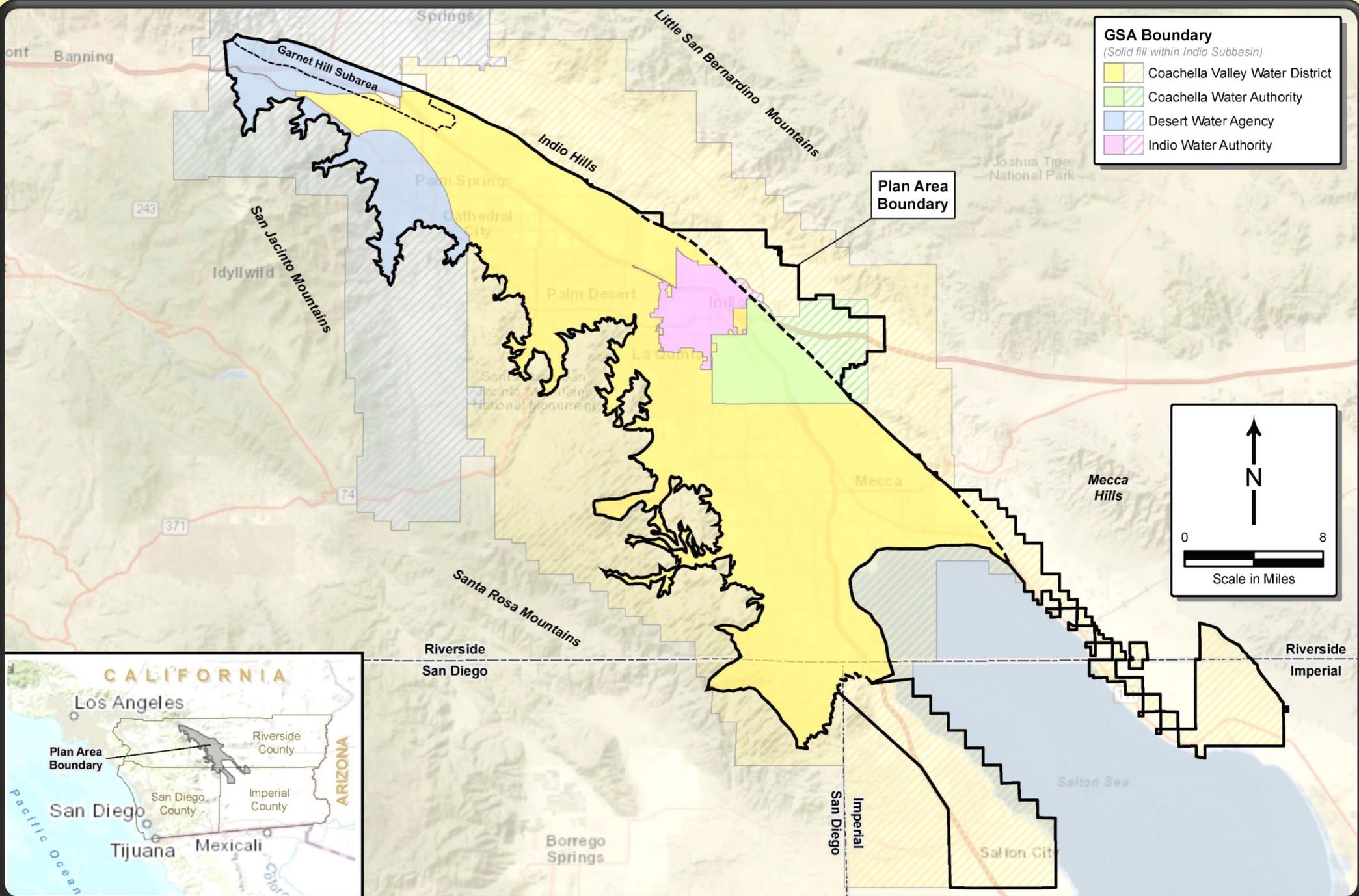
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# Indio Subbasin Annual Report for WY 2024-2025

- Annual Report is required by Sustainable Groundwater Management Act (SGMA)
  - ❖ General information
  - ❖ Subbasin conditions
  - ❖ Implementation progress of projects and management actions (PMAs)
- 9<sup>th</sup> Annual Report (5<sup>th</sup> report following submittal of *Indio Subbasin 2022 Alternative Plan Update*)
  - ❖ Covers WY 2024-2025 (Oct. 1, 2024 – Sept. 30, 2025)
- Will be submitted to DWR by April 1, 2026

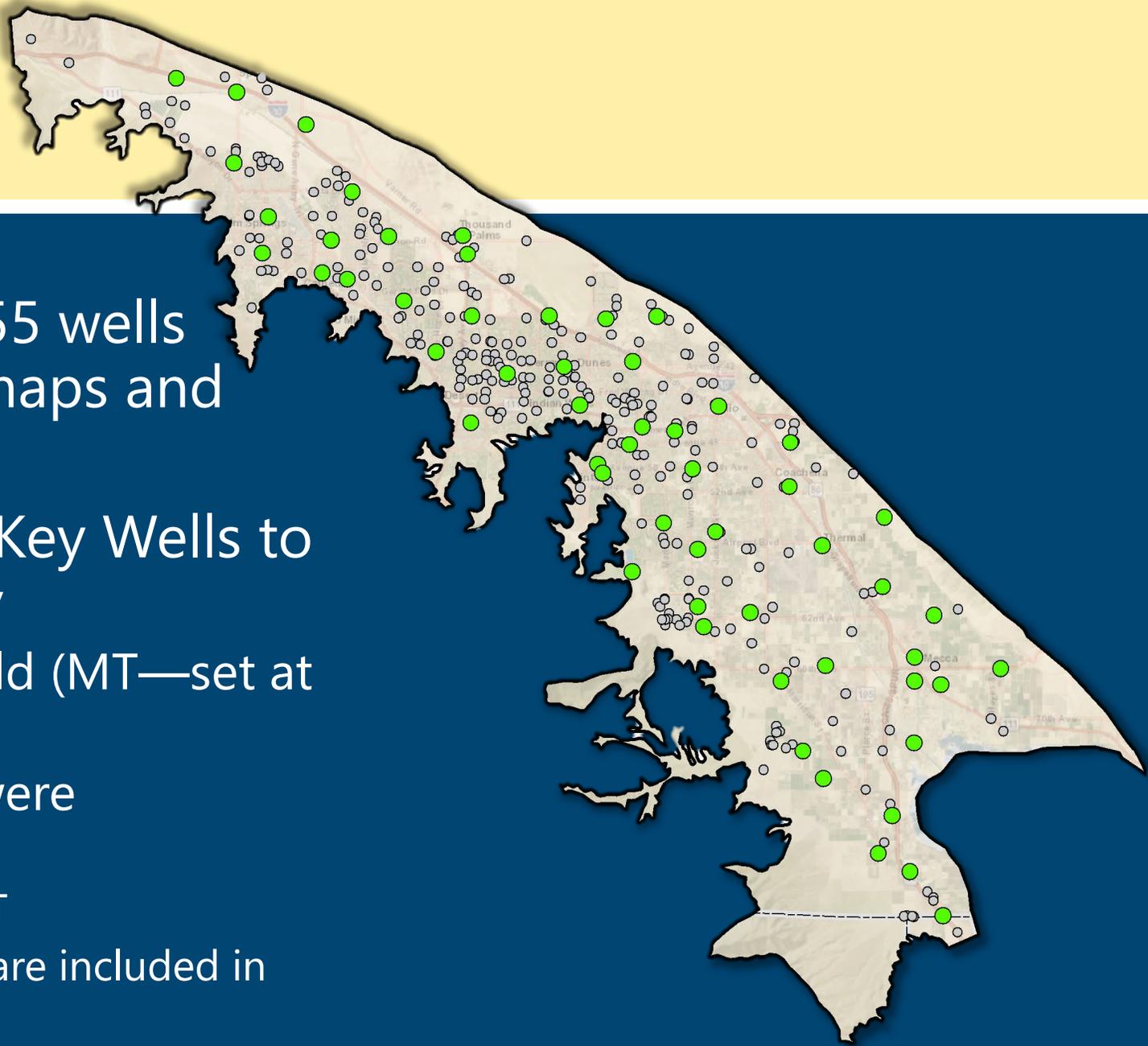




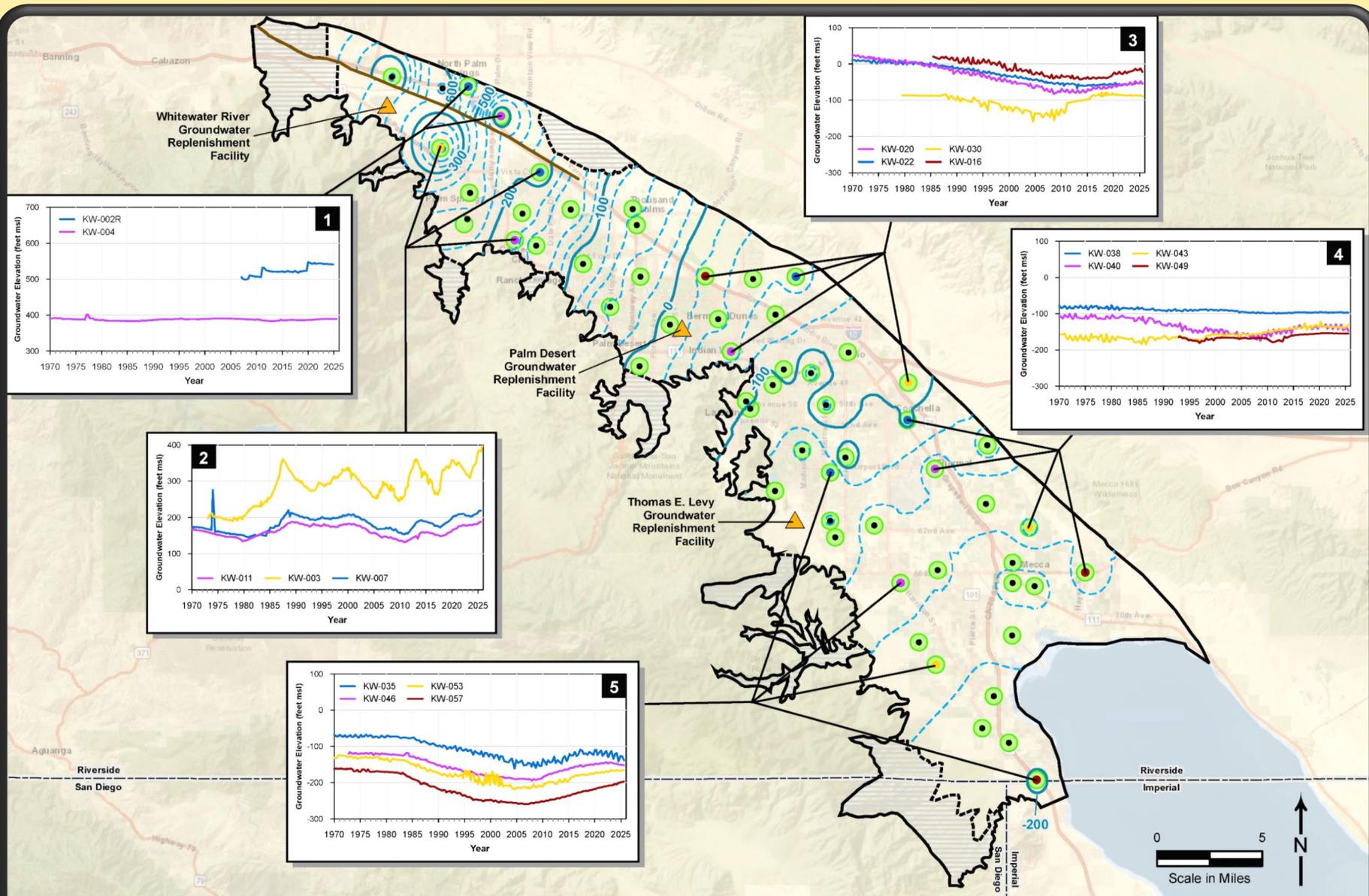
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# Groundwater Elevation Data



- Groundwater elevations from 355 wells were used to develop contour maps and change in storage maps
- 2022 Plan Update identified 57 Key Wells to track groundwater sustainability
  - ❖ Each well has a minimum threshold (MT—set at recent observed lowest elevation)
  - ❖ Current groundwater elevations were compared to the MTs
    - Levels in all wells were above the MT
    - Hydrographs of each of these wells are included in the report as an Appendix



**Figure 3-2**  
**Indio Subbasin**  
**Groundwater Elevation**  
**Contours WY 2024-2025**





Questions?

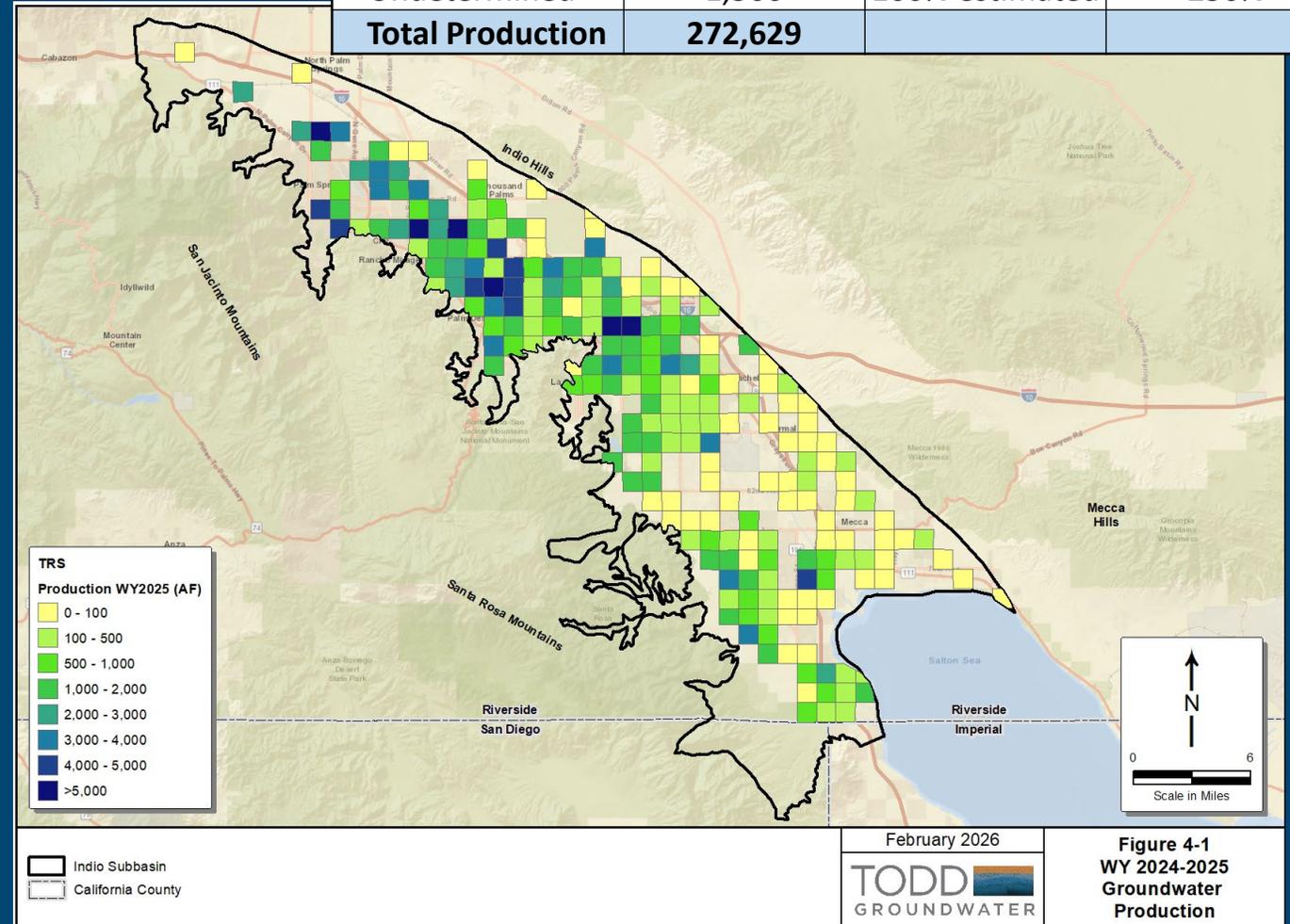
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# Groundwater Extractions

- Groundwater extractions are metered for most uses except
  - Minimal pumpers
  - Tribal trust lands
- 272,629 AF
- Groundwater pumping increased 2 percent from last water year

Water Use Sector	Groundwater Extractions (AF)	Method of Measurement	Accuracy of Measurement
Agriculture <sup>1</sup>	32,773	100% metered	±2%
Industrial <sup>2</sup>	888	100% metered	±2%
		0% estimated	±50%
Urban <sup>3</sup>	237,468	99% metered	±2%
		1% estimated	±50%
Undetermined <sup>4</sup>	1,500	100% estimated	±50%
<b>Total Production</b>	<b>272,629</b>		





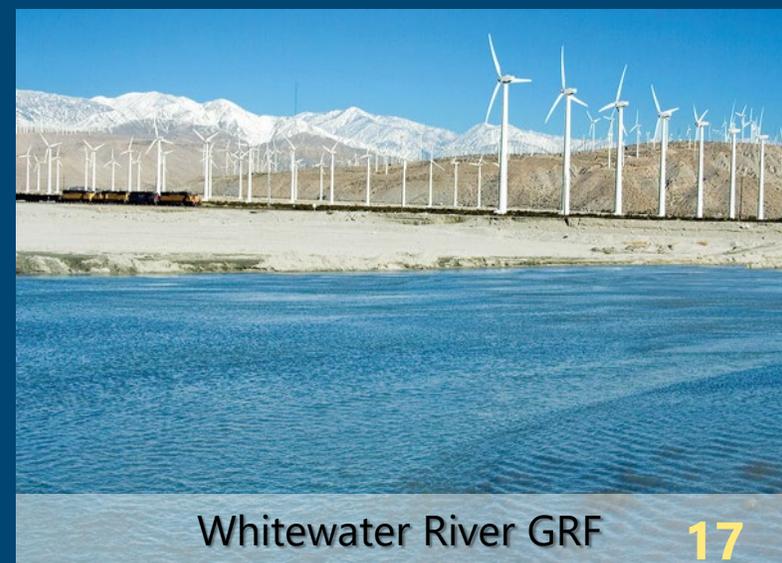
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# Multiple Water Sources

- Capture and recharge of Whitewater River stormflows began in 1918
- Coachella Canal completed in 1949
- CVWD and DWA contract for State Water Project (SWP) water in 1963
  - ❖ Recharge at Whitewater River Groundwater Replenishment Facility (GRF) begins in 1973
- Water recycling began in 1965



# Local Surface Water

- DWA stream diversions
  - ❖ Snow, Falls, and Chino Creeks
- 465 AF surface water use in DWA's service area
  - ❖ 49% agriculture
  - ❖ 51% urban



WY 2024-2025 Direct Use of Local Surface Water in the Indio Subbasin

Water Use Sector	Surface Water Use (AF)	Method of Measurement	Accuracy of Measurement
Agriculture <sup>1</sup>	228	100% metered	±2%
Industrial	0	Not applicable	--
Urban <sup>1</sup>	237	100% metered	±2%
<b>Total Surface Water Use</b>	<b>465</b>		

# Imported Water – Direct Use

- CVWD receives Colorado River water from Coachella Canal
- 279,852 AF imported water for direct use in Plan Area
  - ❖ 85% agriculture
  - ❖ 15% urban
- 2 percent increase from last year



Coachella Canal

WY 2024-2025 Imported Water for Direct Use in Plan Area

Water Use Sector	Water Source	Imported Water Use (AF)	Method of Measurement	Accuracy of Measurement
Agriculture <sup>1</sup>	Coachella Canal	246,855	100% metered	±2%
Urban <sup>2</sup>	Coachella Canal	32,997	100% metered	±2%
Industrial	Coachella Canal	0	100% metered	±2%
Environmental <sup>3</sup>	Coachella Canal	0	Not applicable	--
<b>Total Imported Water for Direct Use<sup>4</sup></b>		<b>279,852</b>		

# Imported Water – Groundwater Replenishment

- Two sources of water used for replenishment:
  - ❖ DWA and CVWD receive State Water Project exchange water from Colorado River Aqueduct (CRA)
  - ❖ CVWD receives Colorado River water from Coachella Canal
  
- 265,471 AF imported water for replenishment
  - ❖ 10 percent less than WY2024



WY 2024-2025 Imported Water for Replenishment in Plan Area

Water Use Sector	Water Source	Imported Water Use (AF)	Method of Measurement
Groundwater Replenishment	Coachella Canal <sup>6</sup>	12,932	100% metered
Groundwater Replenishment	SWP Exchange/CRA	252,539	100% metered
<b>Total Imported Water for Groundwater Replenishment</b>		<b>265,471</b>	

# Imported Water – Groundwater Replenishment

## WY 2024-2025 Total Groundwater Replenishment

Replenishment Facility	Water Source	Volume Recharged in WY 2025 (AF)
Whitewater – GRF	Imported Water	252,539
	Local Surface Water	1,899
Palm Desert – GRF	Imported Water	10,164
TEL – GRF	Imported Water	2,768
<b>Total</b>		<b>267,370</b>

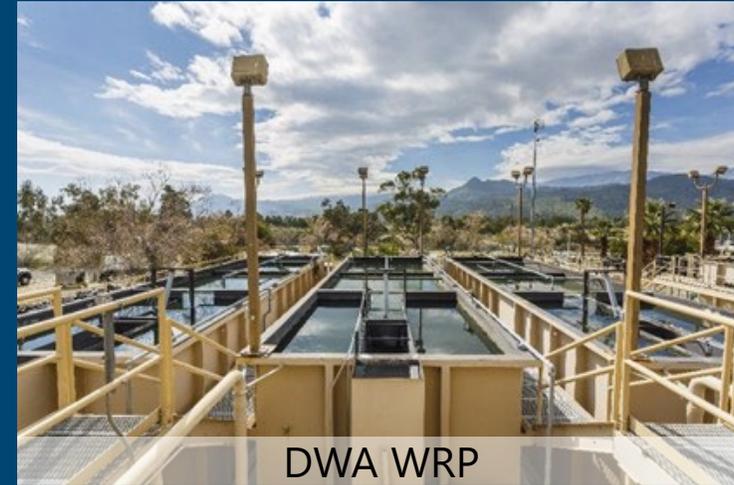
- 10 percent decrease over last year

- 267,370 AF water for replenishment
  - ❖ 10,164 AF at Palm Desert GRF
  - ❖ 2,768 AF at Thomas E. Levy GRF
  - ❖ 254,438 AF at Whitewater River GRF
    - Includes local surface water

PD-GRF

# Recycled Water

- Three water reclamation plants (WRPs) provide recycled water
  - ❖ Palm Springs WWTP/DWA WRP
  - ❖ CVWD WRP-7
  - ❖ CVWD WRP-10
  
- 11,612 AF recycled water produced
  - ❖ 100% urban
  - ❖ 12 percent decrease



WY 2024-2025 Recycled Water Use in the Indio Subbasin

Water Use Sector	Water Source	Recycled Water Use (AF)	Method of Measurement	Accuracy of Measurement
Urban <sup>1</sup>	DWA WRP	551	100% metered	±2%
Urban <sup>1</sup>	CVWD WRP 7	2,408	100% metered	±2%
Urban <sup>1</sup>	CVWD WRP 10	8,653	100% metered	±2%
<b>Total Recycled Water Use</b>		<b>11,612</b>		



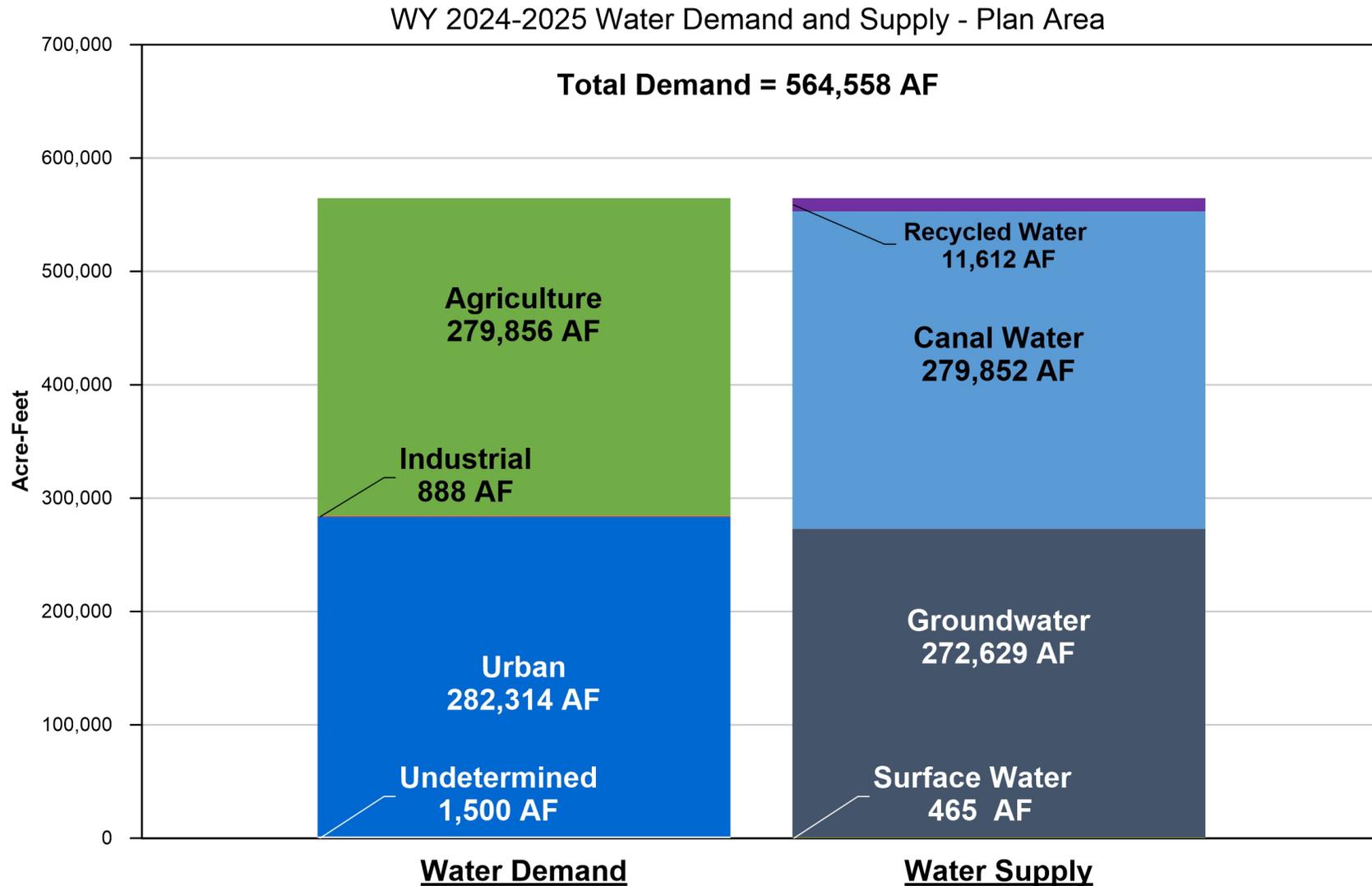
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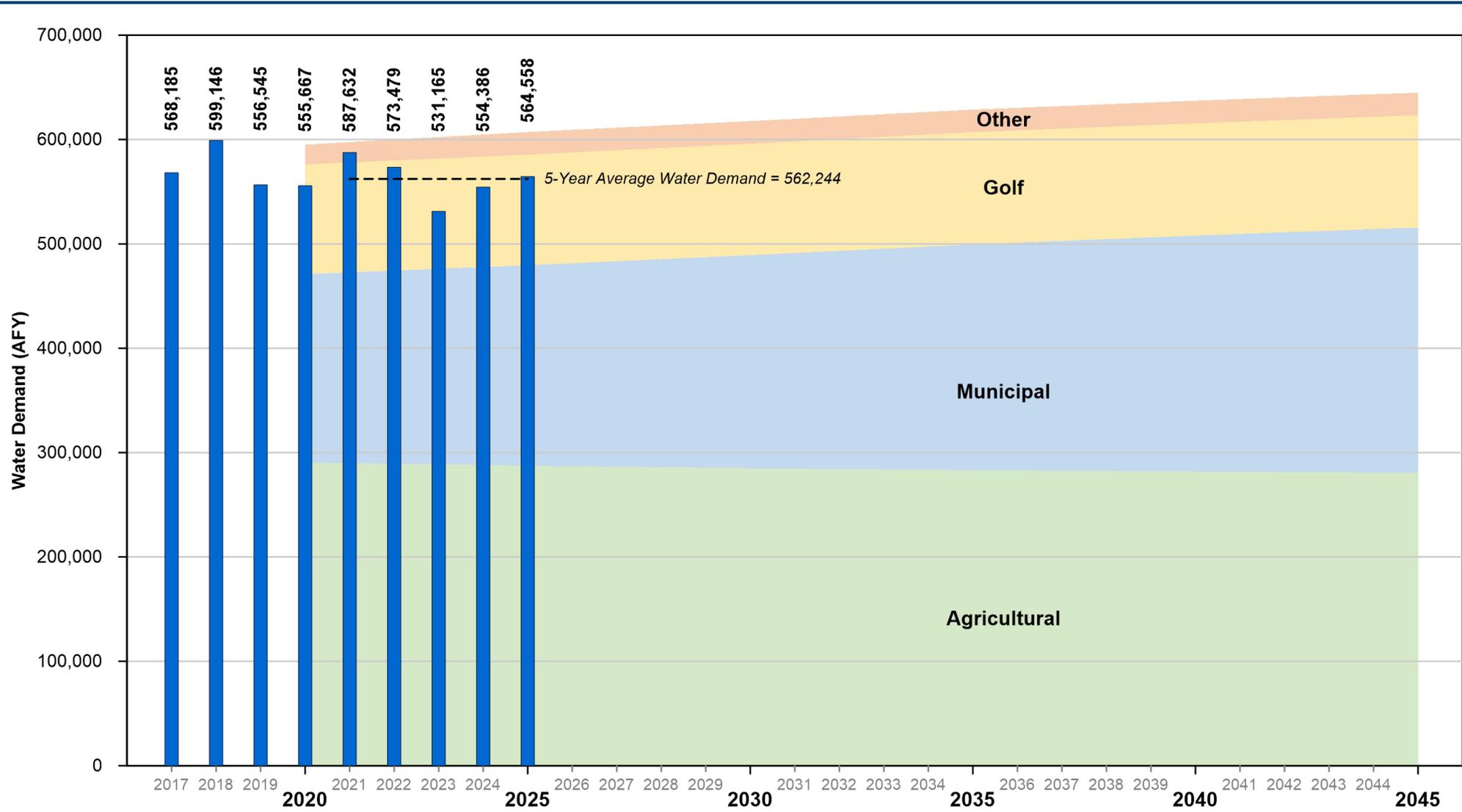
# Total Water Use

## WY 2024-2025 Water Demand and Supply – Plan Area



# Total Water Use

## Total Water Demand Actual and Forecasted – Plan Area





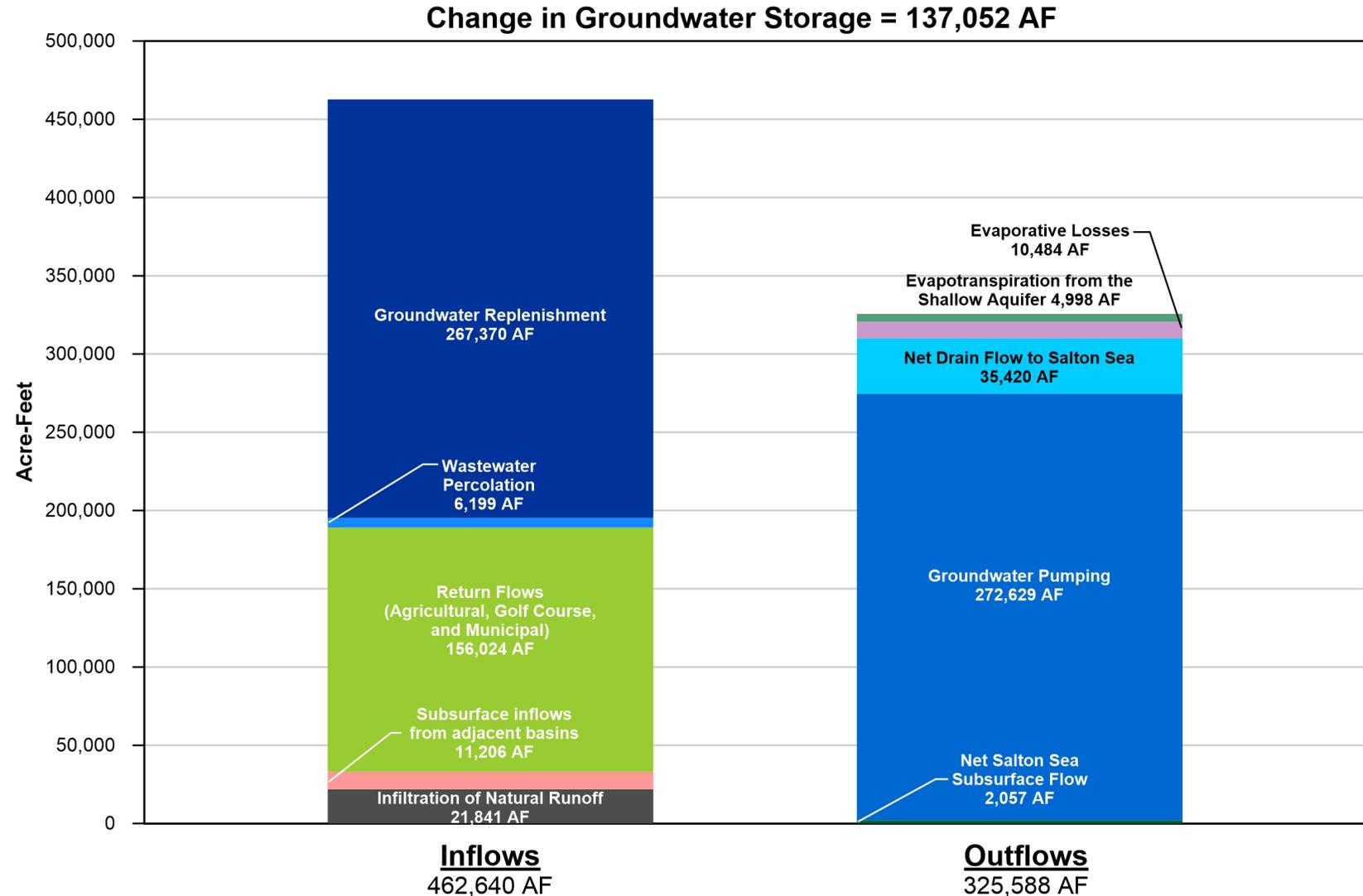
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# Change in Groundwater Storage

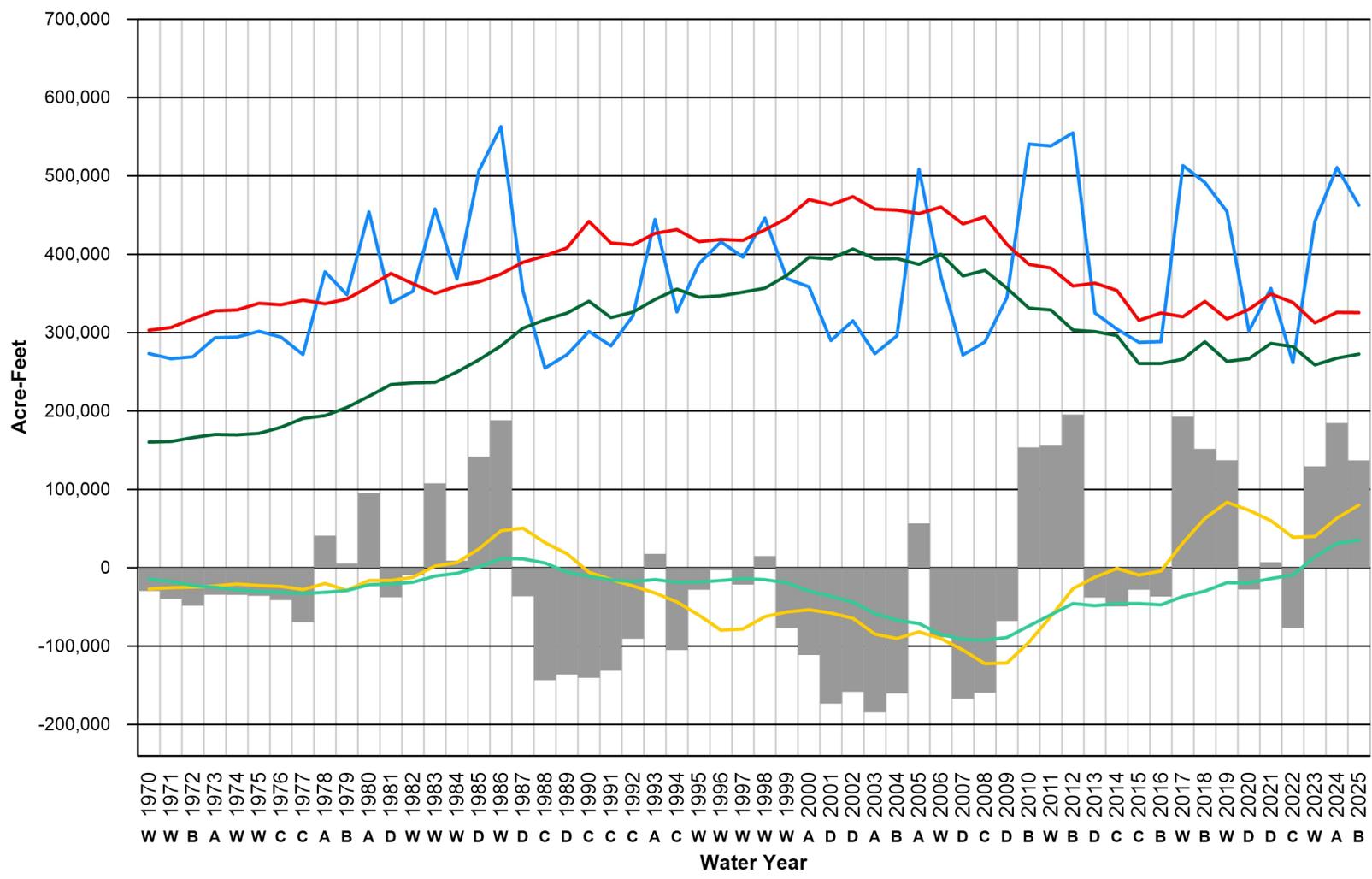
- Comparison of Inflows and Outflows
- Inflows
  - ❖ Replenishment
  - ❖ WW Percolation
  - ❖ Return Flows
  - ❖ Subsurface Flow
  - ❖ Natural Infiltration
- Outflows
  - ❖ Evapotranspiration (ET)
  - ❖ Drains
  - ❖ Pumping
  - ❖ Subsurface Flow



# Change in Groundwater Storage



- Annual change in storage
  - +137,052 AF
- Average change in storage
  - Since 2009, 10-year average (yellow line) is positive and the 20-year average (green line) since WY 2023
  - Shows the Indio Subbasin is still sustainable

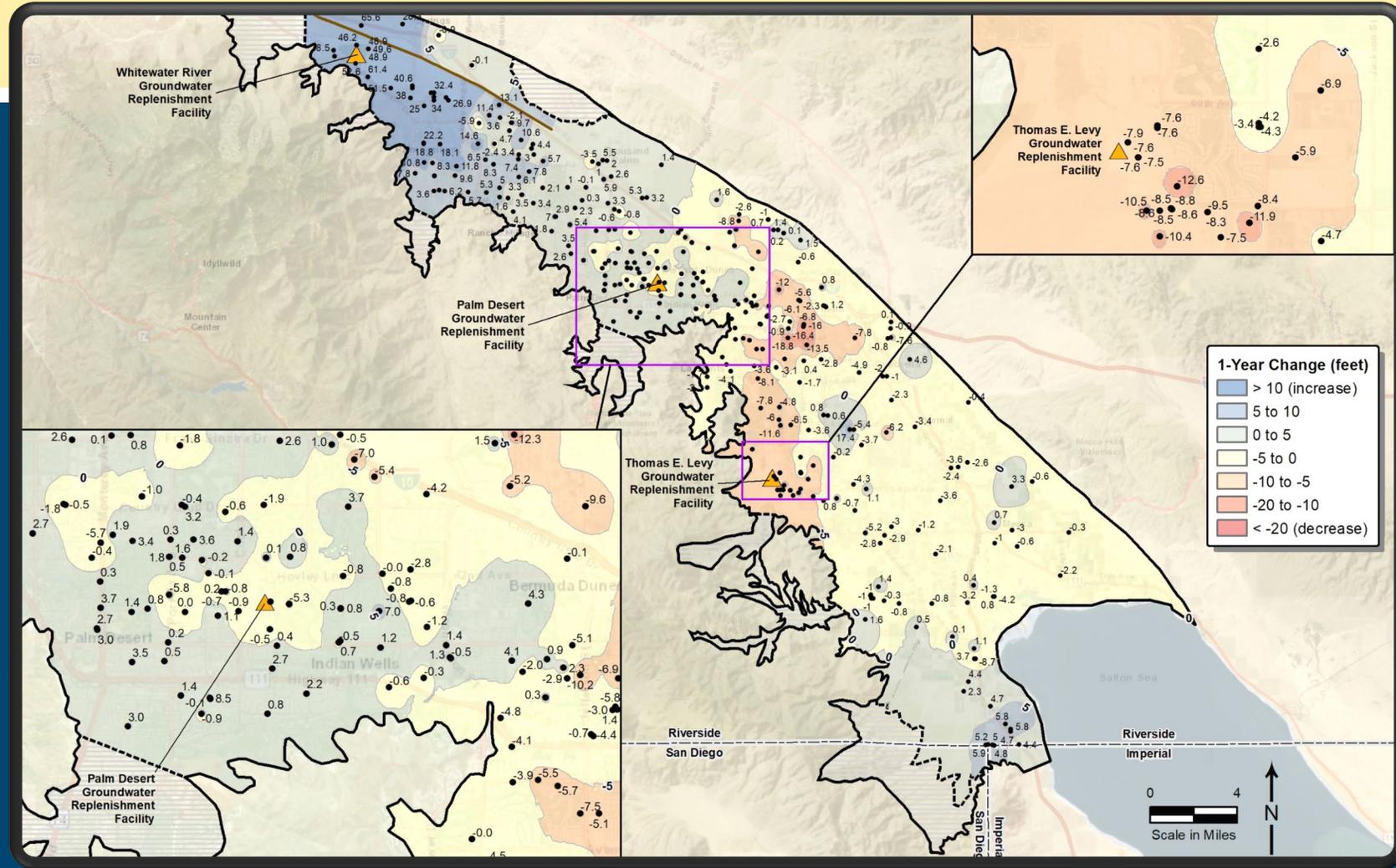


# Change in Groundwater Levels

- Maps show change in groundwater levels
  - ❖ One year change (next slide)
  - ❖ Long-term change since 2009 historical lows (following slide)
- Change in groundwater levels is a proxy for change in storage
- Based on measured water levels at 356 wells throughout the Indio Subbasin

# One Year Change

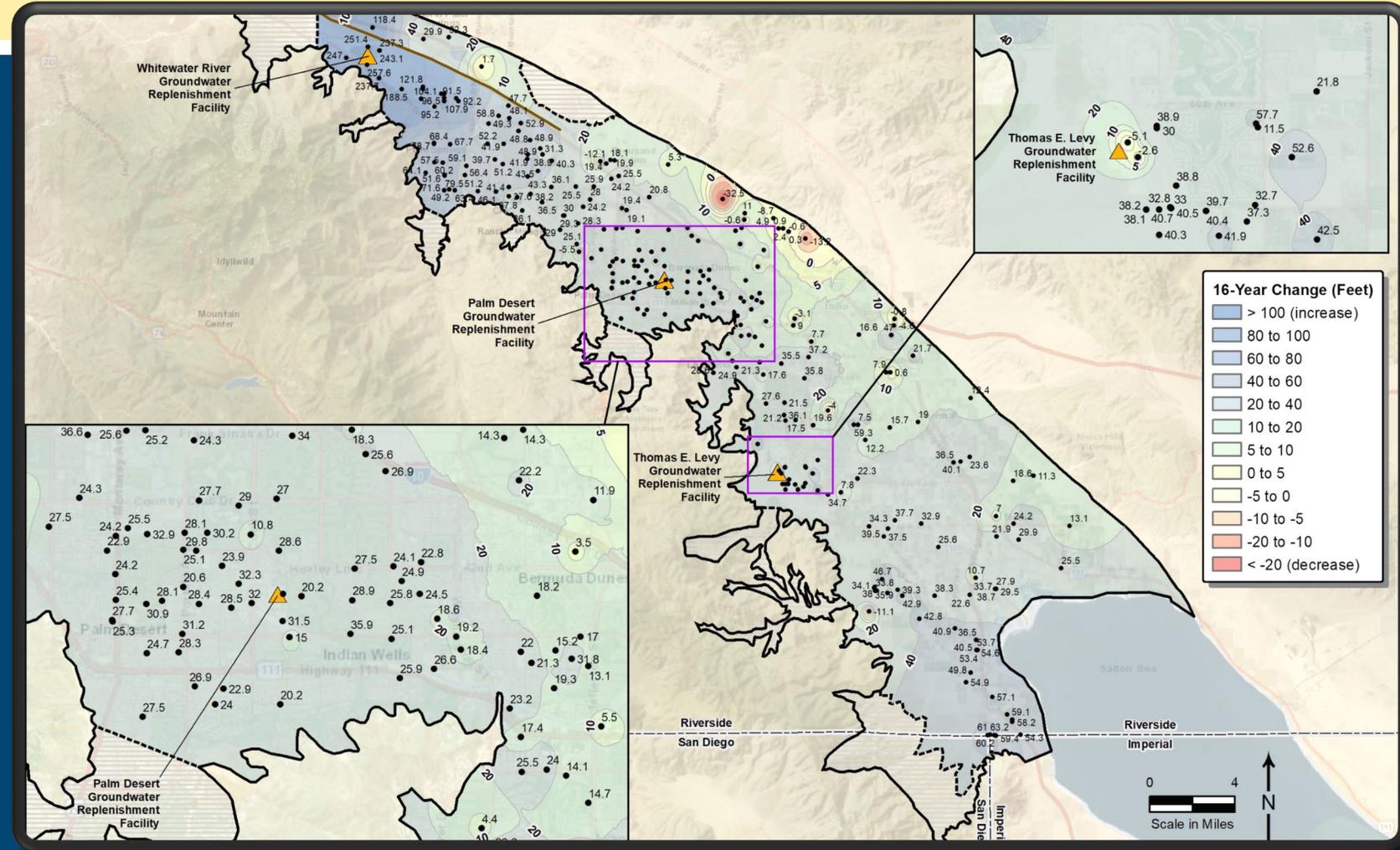
- Groundwater levels generally increased in the past water year
  - ❖ Increases near WWR-GRF but declines downstream due to variability in recharge
  - ❖ Declines in the middle part of the Subbasin due to less TEL recharge



WY 2024 to WY 2025

# Long-Term Change

- Basin-wide increases since 2009 historical lows
- Water levels have increased or stabilized
- Very localized declines in Mid-Valley area



WY 2009 to WY 2025



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# Projects & Management Actions

## Water Conservation

- 1: Urban Water Conservation
- 2: Golf Water Conservation
- 3: Agricultural Water Conservation

## Water Supply Development

- 4: Increased Surface Water Diversion
- 5: Delta Conveyance Facility
- 6: Lake Perris Seepage
- 7: Sites Reservoir
- 8: Future Supplemental Water Acquisitions
- 9: EVRA Potable Reuse

## Source Substitution & Replenishment

- 10: Mid-Valley Pipeline Direct Customers
- 11: East Golf Expansion
- 12: Oasis Distribution System
- 13: WRP-10 Recycled Water Delivery
- 14: WRP-10 Tertiary Expansion
- 15: Canal Water Pump Station Upgrade
- 16: WRP-7 Recycled Water Delivery
- 17: WRP-4 Tertiary Expansion & Delivery
- 18: DWA WRP Recycled Water Delivery
- 19: PD-GRF Phase 2 Expansion
- 20: TEL-GRF Expansion
- 21: WWR-GRF Operation

## Water Quality Protection

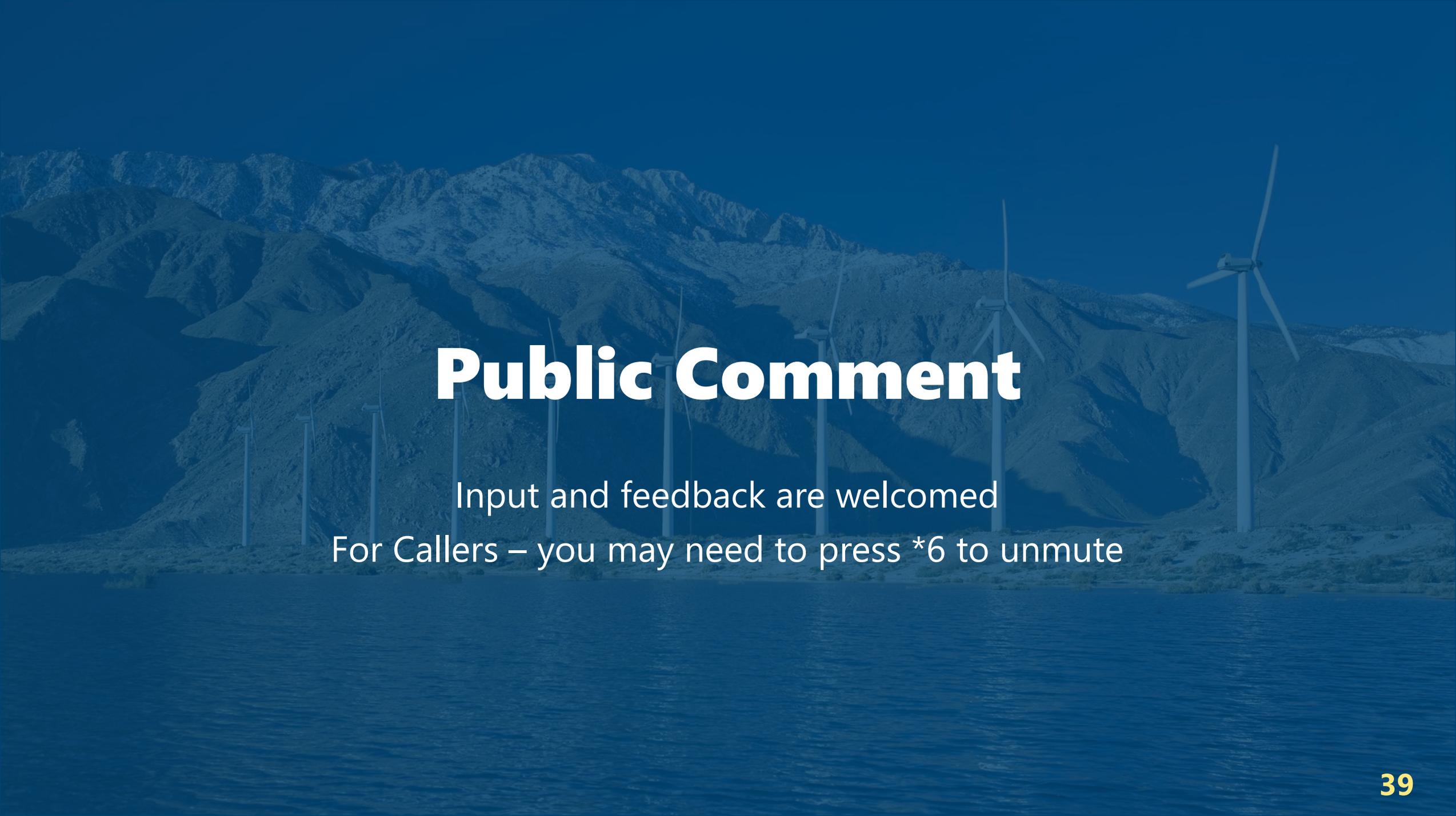
- 22: Eliminate Wastewater Percolation
- 23: Wellhead Treatment
- 24: Small Water System Consolidations
- 25: Septic to Sewer Conversions
- 26: CV-SNMP GW Monitoring Program Workplan
- 27: CV-SNMP Development Workplan
- 28: Colorado River Salinity Forum
- 29: Source Water Protection

# 2027 Alternative Plan Update

- SGMA Plans are required to be evaluated every five years
- Indio Subbasin has decided to prepare a stand alone update to the 2022 Alternative Plan
- Development is underway
  - ❖ Updated demand forecasts
  - ❖ Updated supply forecasts
    - Climate change
  - ❖ Updated groundwater model
    - Extended to the San Gorgonio Subbasin boundary
  - ❖ New scenarios to simulate future groundwater management



Questions?



# Public Comment

Input and feedback are welcomed

For Callers – you may need to press \*6 to unmute

# Next Steps

- WY 2025 Annual Report can be downloaded:



[www.IndioSubbasinSGMA.org](http://www.IndioSubbasinSGMA.org)

- Indio Subbasin Annual Report for WY 2024-2025 Council/Board Presentation
  - ❖ Coachella Valley Water District – TBD
  - ❖ Coachella Water Authority – TBD
  - ❖ Desert Water Agency – TBD
  - ❖ Indio Water Authority – TBD

# Stay Involved – Visit our Website

