Coachella Valley RUWMP

Workshop #1: Community Values and Plan Overview

December 14, 2020 • 2:00pm-4:00pm

Presenters

Tiffany Meyer

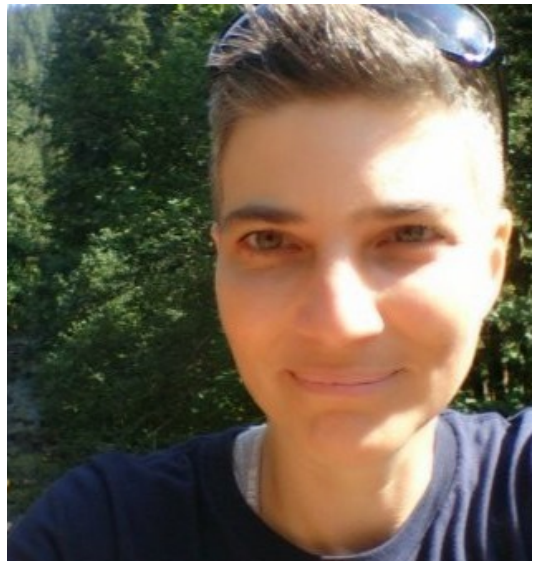
STAKEHOLDER ENGAGEMENT LEAD

WSC

Jeroen Olthof

TECHNICAL PROJECT MANAGER

WSC



Zoe Rodriguez del Rey

WATER RESOURCES MANAGER

COACHELLA VALLEY WATER DISTRICT

Ashley Metzger

OUTREACH AND CONSERVATION MANAGER

DESERT WATER AGENCY

Who's Here


WATER
DISTRICT


DESERT WATER


Indio Water Authority
Your Water. Our Responsibility.


Myoma Dunes
Water Co.


MSWD
Mission Springs Water District


COACHELLA
WATER AUTHORITY &
SANITARY DISTRICT
SERVICE. VALUE. QUALITY.


Cathedral City


VALLEY
SANITARY
DISTRICT
VSD
INDIO, CALIFORNIA
Recycling Wastewater Into Safe Water


LEADERSHIP COUNSEL
FOR
JUSTICE & ACCOUNTABILITY


TORRES MARTINEZ DESERT CAHUILLA INDIANS
MAU - WAL - MAH
SU-KUTT MENYIL


KJ
Kennedy Jenks


WSC
WATER SYSTEMS CONSULTING, INC.


LANDSTEDT
CONSULTING


TKE
Engineering & Design


SCGA
SOUTHERN CALIFORNIA GOLF ASSOCIATION


U.S. DEPARTMENT OF THE INTERIOR
1824
BUREAU OF INDIAN AFFAIRS


TWENTY-NINE PALMS
BAND OF MISSION INDIANS


WOODARD
&CURRAN


wood.

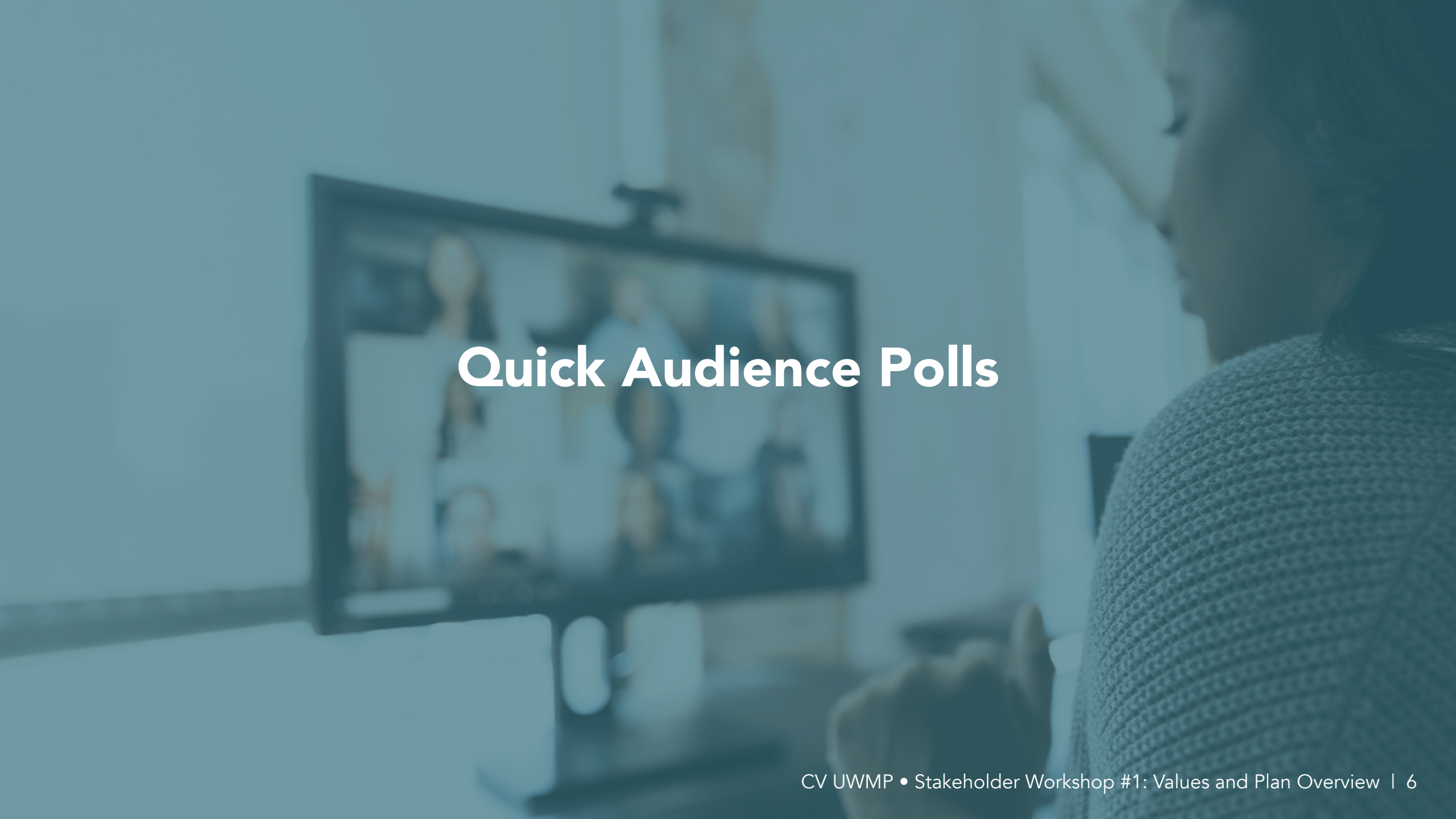

GRIMMWAY
GF
FARMS

Workshop Goals

- **Overview** of project, plan purpose and how it compares to other initiatives
- **Educate** about our current water sources, future demand, and risks/challenges to our water supply
- Document the **water-related values and outcomes** that are most important to you and your community.

This input will be used by the project team to inform the plan development.

20 min	**Project Overview:** Why we need a regional urban water plan
10 min	**Where Our Water Comes From**
20 min	**Risks Facing Our Water Supply**
30 min	**Group Activity:** Share your water related values and priority outcomes
10 min	**Panel Q&A**
10 min	**What's Next**



Quick Audience Polls

Project Overview

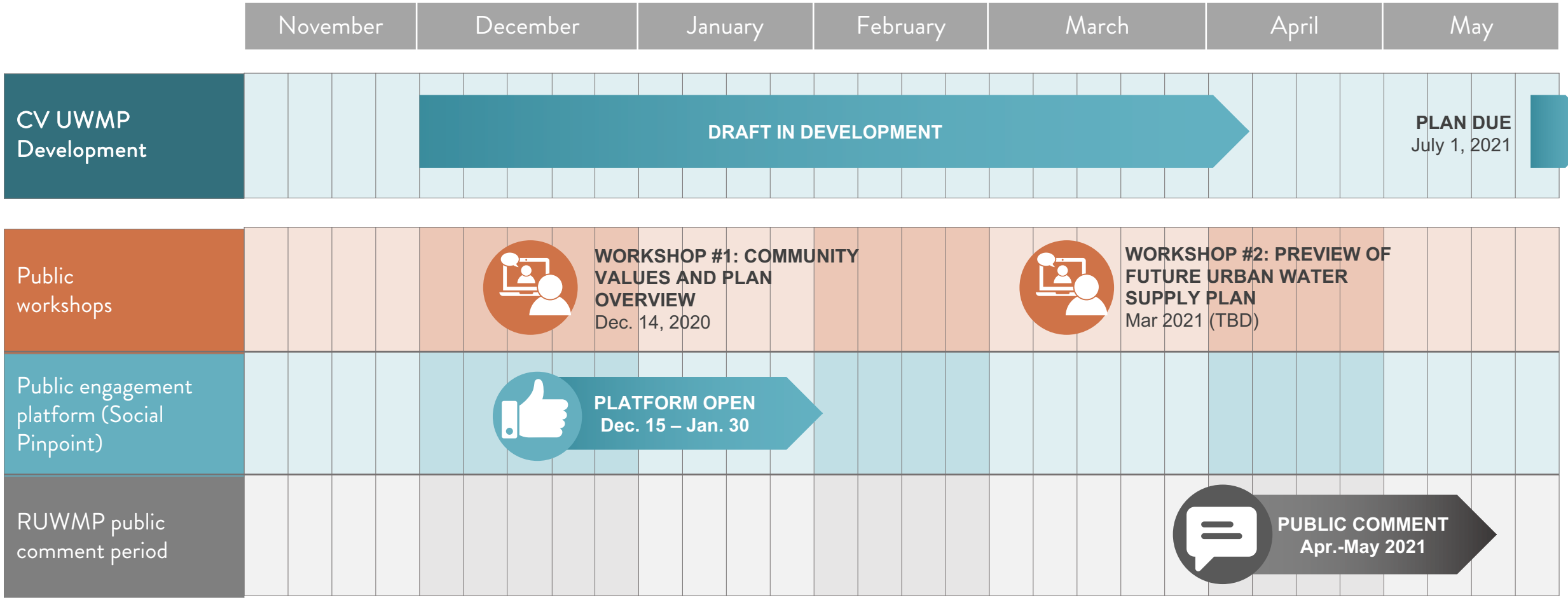
JEROEN OLTHOF, WSC

For the 2020 planning cycle, 6 agencies in the Coachella Valley are collaborating to develop a **Coachella Valley Regional Urban Water Management Plan.**

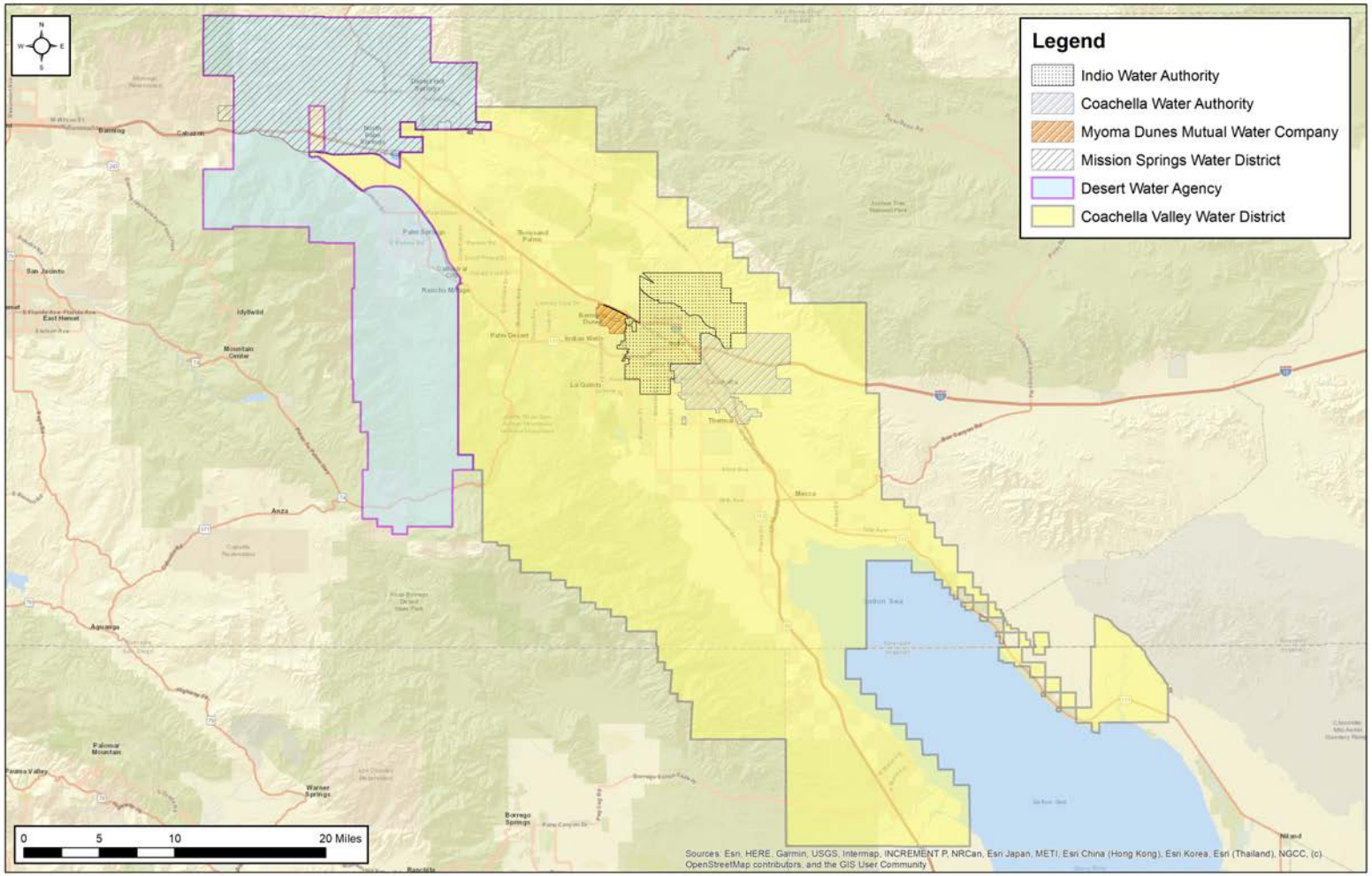
THE PLAN WILL INCLUDE:

- Forecast of urban water demands and available supplies for the next 20 years
- Assessment of the supply reliability during drought
- Programs in place to encourage water use efficiency
- Actions to reduce demands in times of constrained supply

Project Timeline



Service Area and Participating Agencies



MSWD Mission Springs Water District

DESERT WATER

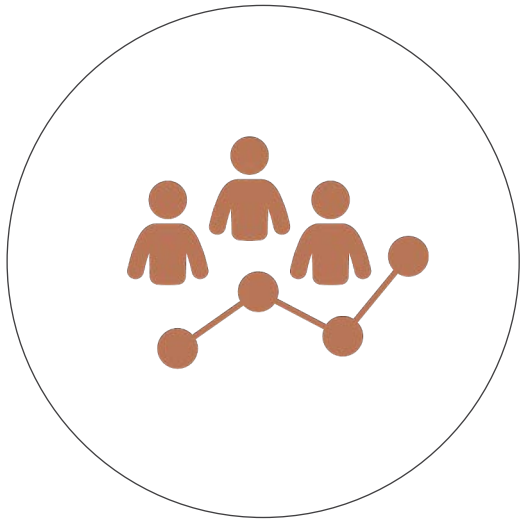
COACHELLA WATER AUTHORITY & SANITARY DISTRICT
SERVICE. VALUE. QUALITY.

Indio Water Authority
Your Water. Our Responsibility.

Myoma Dunes Water Co.

WATER DISTRICT

What Goes into Creating a UWMP



Future Demand Projections

+

Existing Portfolio Analysis

+

Stakeholder Input

UWMPS MUST BE PREPARED EVERY 5 YEARS

Major Changes Since the 2015 UWMP

- More prescriptive requirements for an expanded Water Shortage Contingency Plan
- Seismic risk assessment and mitigation plan
- Five-Year Drought Risk Assessment
- Lay-person's description of supply reliability
- Evaluation of climate change impacts on supplies and demands now required
- Evaluation of energy intensity of supplies now required

UWMPS MUST BE PREPARED EVERY 5 YEARS

Major Changes Since the 2015 UWMP

- Coordination of growth and demand projections with land use agencies
- Incorporation of estimated conservation standards impact on future demands
- Coordination with Sustainable Groundwater Management Act planning efforts
- Documentation of reduced reliance on the Sacramento – San Joaquin Delta

How the Plans Compare and Reinforce One Another

Integrated Regional Water Management Plan (IRWM)
(published 2018)

Urban Water Management Plan

and

Water Shortage Contingency Plan
(due 2021)

Salt and Nutrient Management Plan
(update workplan due Apr 2021)

Mission Creek Subbasin Alternative Plan
(update due 2022)

Indio Subbasin Alternative Plan
(update due 2022)

Water Shortage Contingency Plan Elements

The Plan describes how water suppliers will

- Decide each year whether there could be a supply shortage
- Issue requirements to their customers to reduce demands (e.g., limiting outdoor water use, or prohibiting the filling of swimming pools)
- Communicate those requirements to customers
- Enforce those requirements with warnings, fines or water shut-offs

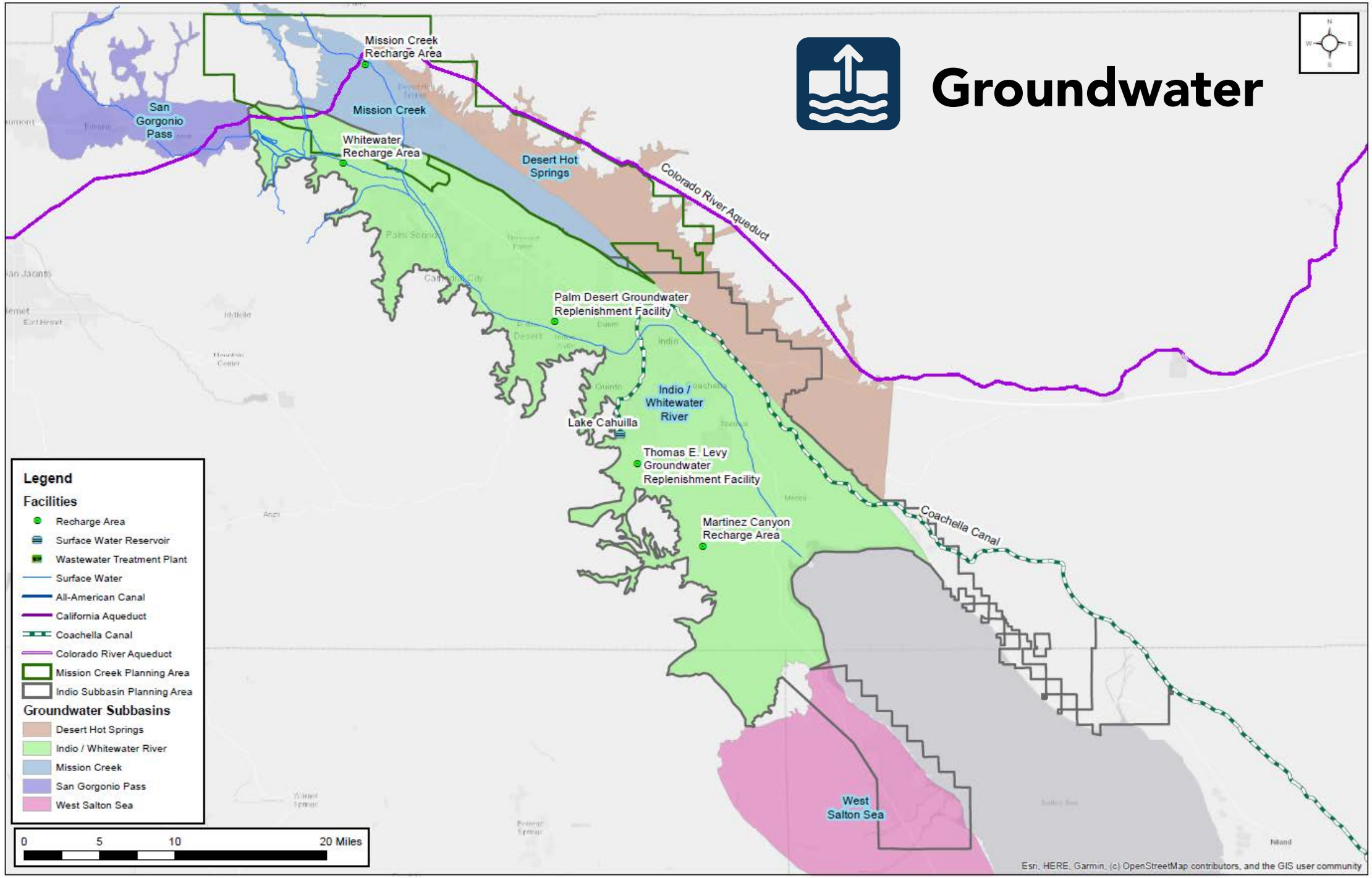
Where Our Water Comes From

ZOE RODRIGUEZ DEL REY, COACHELLA VALLEY WATER DISTRICT

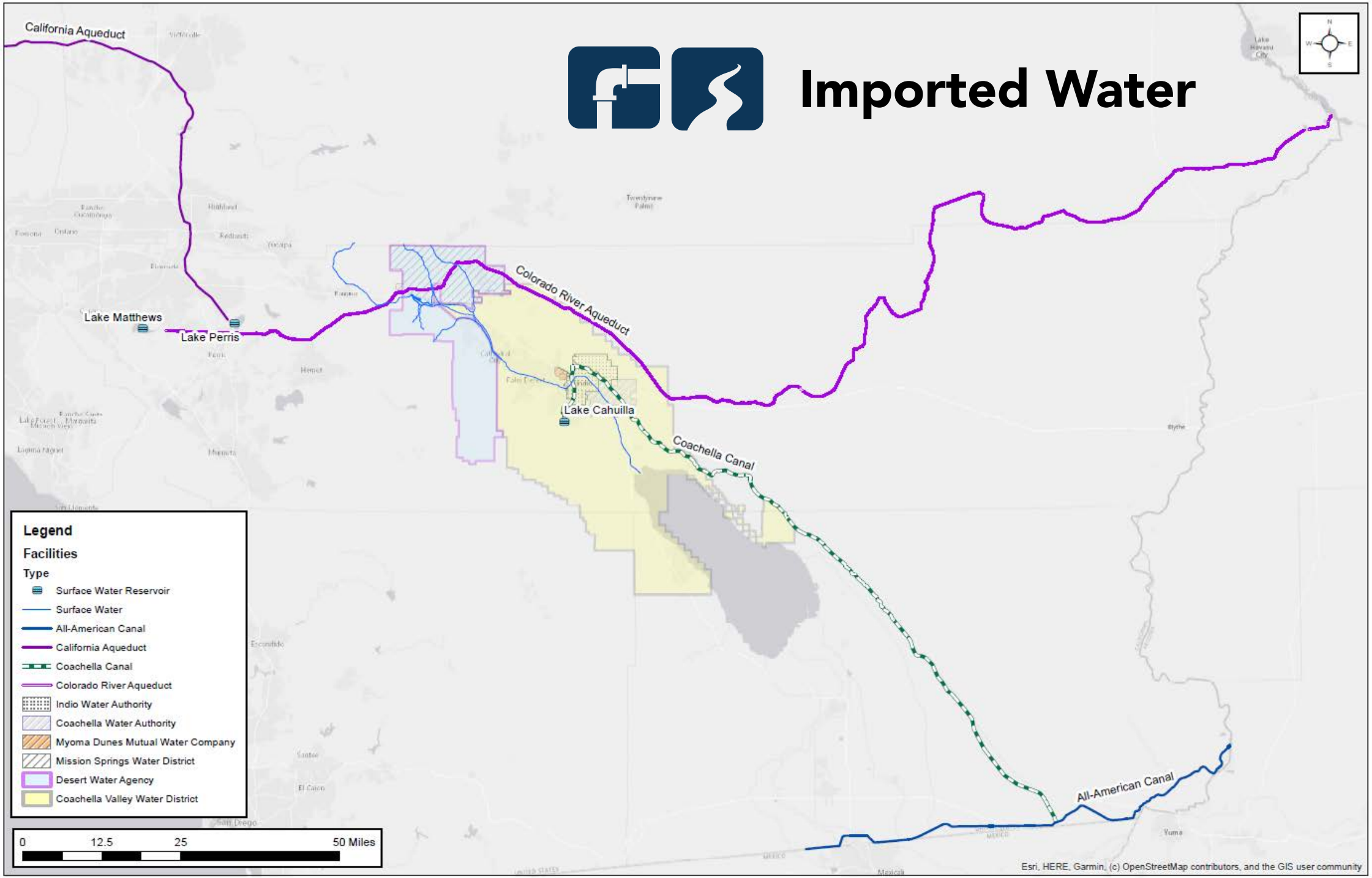
Where Our Water Comes From (Supply)

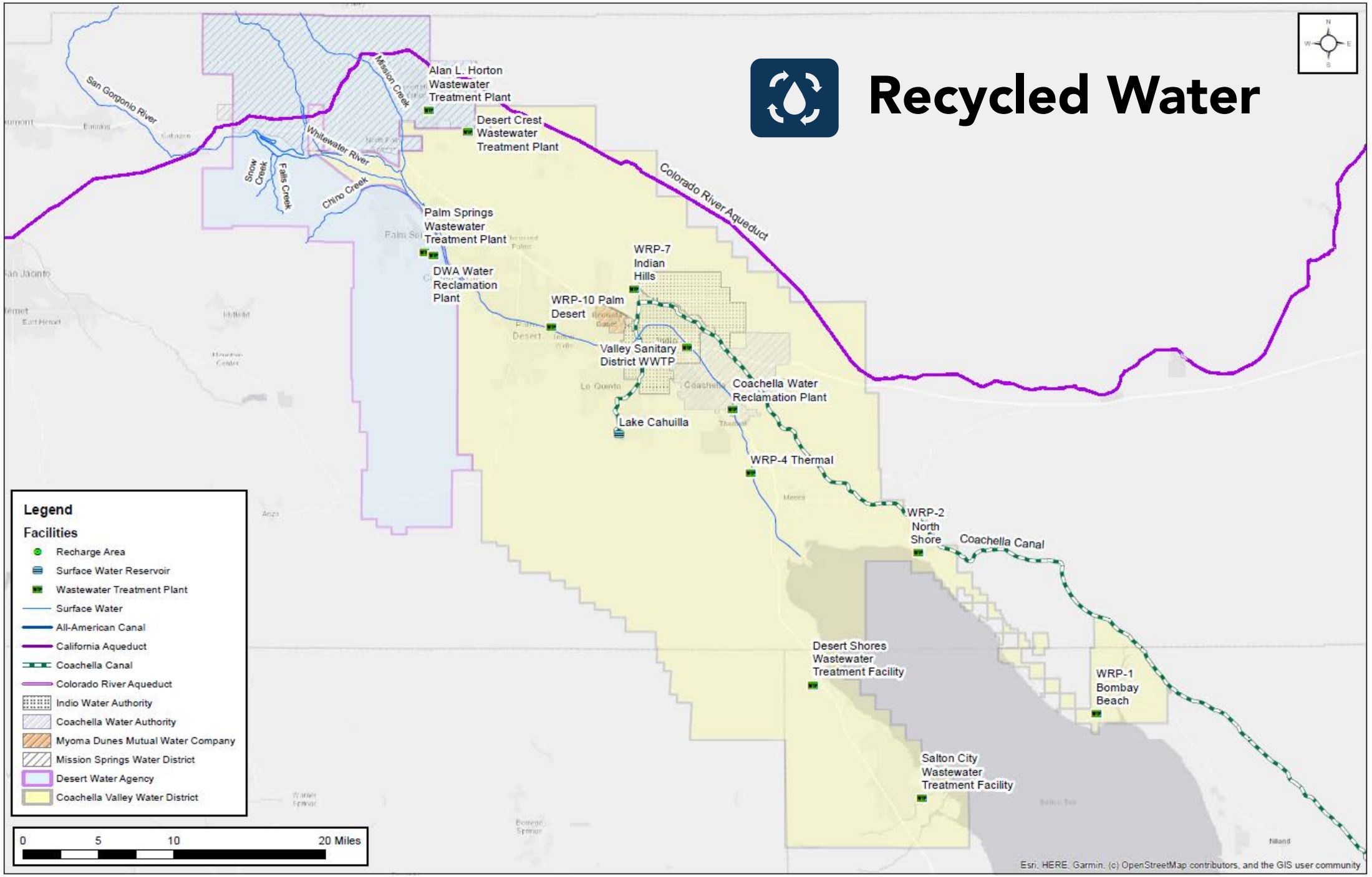
USERS
Agencies
Private Pumpers
Tribes

USES
Urban
Industrial
Groundwater Recharge
Non-Potable Irrigation
Agriculture


Groundwater
Mission Creek Recharge Area
San Gorgonio Pass
Mission Creek
Whitewater Recharge Area
Desert Hot Springs
Colorado River Aqueduct
Palm Desert Groundwater Replenishment Facility
Indio / Whitewater River
Lake Cahuilla
Thomas E. Levy Groundwater Replenishment Facility
Martinez Canyon Recharge Area
Coachella Canal
West Salton Sea
Legend
Facilities
Recharge Area
Surface Water Reservoir
Wastewater Treatment Plant
Surface Water
All-American Canal
California Aqueduct
Coachella Canal
Colorado River Aqueduct
Mission Creek Planning Area
Indio Subbasin Planning Area
Groundwater Subbasins
Desert Hot Springs
Indio / Whitewater River
Mission Creek
San Gorgonio Pass
West Salton Sea
0
5
10
20 Miles
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

Imported Water




Recycled Water
Alan L. Horton Wastewater Treatment Plant
Desert Crest Wastewater Treatment Plant
Palm Springs Wastewater Treatment Plant
DWA Water Reclamation Plant
WRP-7 Indian Hills
WRP-10 Palm Desert
Valley Sanitary District WWTP
Coachella Water Reclamation Plant
Lake Cahuilla
WRP-4 Thermal
WRP-2 North Shore
Coachella Canal
Desert Shores Wastewater Treatment Facility
WRP-1 Bombay Beach
Salton City Wastewater Treatment Facility
Colorado River Aqueduct
San Gorgonio River
Whitewater River
Mission Creek
Snow Creek
Falls Creek
Chino Creek
Legend
Facilities
Recharge Area
Surface Water Reservoir
Wastewater Treatment Plant
Surface Water
All-American Canal
California Aqueduct
Coachella Canal
Colorado River Aqueduct
Indio Water Authority
Coachella Water Authority
Myoma Dunes Mutual Water Company
Mission Springs Water District
Desert Water Agency
Coachella Valley Water District
0 5 10 20 Miles
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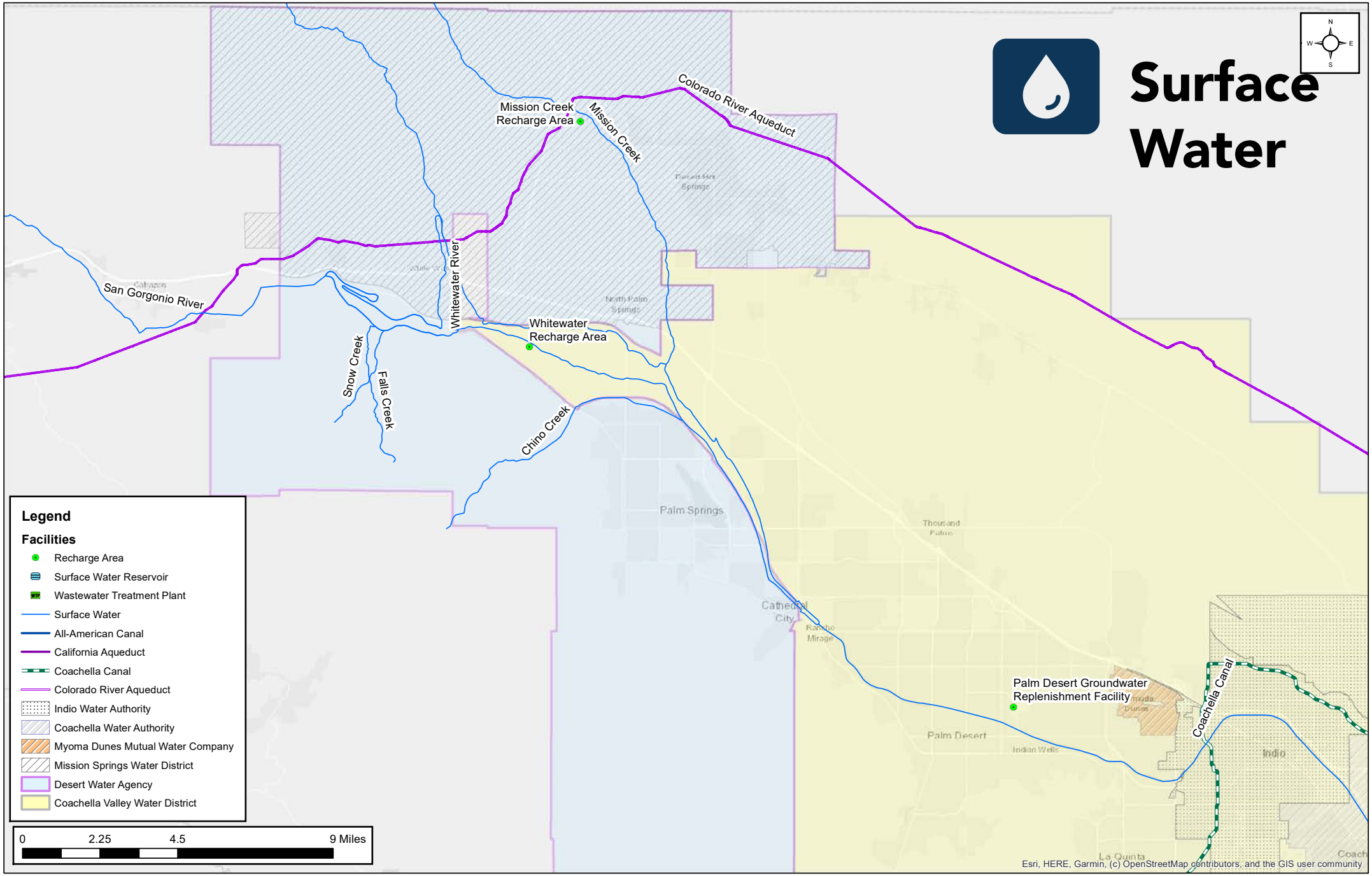
Surface Water
Mission Creek Recharge Area
Mission Creek
Colorado River Aqueduct
San Gorgonio River
Whitewater River
Whitewater Recharge Area
Snow Creek
Falls Creek
Chino Creek
Palm Springs
Cathedral City
Palm Desert
Indio
La Quinta
Palm Desert Groundwater Replenishment Facility
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Myoma Dunes Mutual Water Company
Mission Springs Water District
Desert Water Agency
Coachella Valley Water District
0
2.25
4.5
9 Miles
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

Challenges Facing Our Water Supply

ASHLEY METZGER, DESERT WATER AGENCY

Historic and Projected Water Use (Demand)

In recent years, water use has **stayed constant or declined** due to

- Water conservation efforts
- Drought Conditions
- Slower than anticipated economic development

Future demands are expected to **increase** due to:

- Growth in permanent population
- Continued increase in tourism & seasonal residents
- Potential impacts of climate change – more hot days

Groundwater Risks/Uncertainties

- Achieving sustainable management
- Meeting current and future regulations
- Emerging contaminants (PFAS)
- Possible septic contamination in some areas
- Salinity and nutrient management

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Imported Water Risks/Uncertainties

- Drought in Northern California
- Environmental constraints on State Water Project
- Drought in CO River Basin
- Interruptions from earthquake or other damage to delivery infrastructure
- Infrastructure investment needed
- Meeting current and future regulations

Recycled Water Risks/Uncertainties

- Investments needed to treat and distribute recycled water to users
- Meeting current and future regulations

Surface Water Risks/Uncertainties

- Variable climate and hydrology
- Impacts of possible flood events
- Development of new infrastructure
- Future regulations

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Questions?

PARTICIPATING AGENCIES

Group Activity

TIFFANY MEYER, WSC

Survey: Rank Your Water Values

Click on link in chat

https://www.surveymonkey.com/r/XYW7MV3

1. When it comes to water, rank the values or outcomes that are most important to you from the list below:

- Local Reliability — Less dependence on imported water.
- Resilience — Protect our supply from future risks and uncertainties.
- Water Quality — Ensure safe water for all users/uses.
- Affordability — Ensure affordable water rates for all customers.
- Environmental Health — Minimize thee impact of urban water uses on area ecosystems and wildlife.
- Conservation — Optimize water use efficiency and conservation in our community.
- Water Accessibility — Expand access to safe and reliable water services.

Survey Results

Q: When it comes to water, rank the values or outcomes that are most important to you from the list below:

Group Activity

If we succeed in aligning to these priorities (the top 4 from your survey responses), how will the plan benefit the community?

Group Discussion

If we succeed in aligning to this community priority, how will the plan benefit the community?

Water Quality

Ensure safe water for all uses.

Good, affordable drinking water, especially where population may be low income

Mobile parks have access to safe drinking water (considering infrastructure, pipes, etc.)

Work in partnership with Tribal lands and other orgs to find/share resources

(ranked this one lower) I ranked accessibility higher (might be same sentiment as accessibility)

Colorado River Water exceeds 500 parts per million and is increasing total dissolved solids in groundwater in the drinking water, needs to be addressed

In areas that include septic, what are areas being contaminated, what are steps being taken to address this issue

If we succeed in aligning to this community priority, how will the plan benefit the community?

Affordability

Ensure affordable rates for all customers.

Tie between affordability and the regulatory concerns / changes; these regulations have associated costs; look for / seek out cost relief (such as state assistance) to relieve impact on ratepayers

Within the urbanized areas, when it comes to water quality and accessibility, it's not an issue in the urban areas (this is more about supply), it's more of a challenge in the rural areas — what is the best forum to address it if not here?

Look for other funding opportunities to mitigate the impact of infrastructure needs on ratepayers

At times low-income residents may not be direct water customers; highlights the importance of our indoor rebate programs; getting help on water efficiency can reduce cost

Always look for ways to support low-income residents with rate assistance; within our capabilities; get creative with resources

Prioritize affordability to low-income residents (when seeking grant opportunities)

Different communities have different economic realities. Some communities could find it easy to call for more regs because they can afford it; at same time increase in regs impact affordability. We need to be careful — if we're talking about water quality, is it based on scientific research

Affordability is subjective, what does affordability mean?

How does affordability actually tie into this plan? Ensure that the supply portfolio are examined with that lens for cost-effectiveness

Urban indoor water use should not be overcharged. In the case of large expanses of grass receiving water.

If we succeed in aligning to this community priority, how will the plan benefit the community?

Resilience

Protect our supply against future risks and uncertainties.

Each supply has uncertainties to it; resilience prepares / positions us to respond to uncertainties.

Having supply resilience supports emergency situations; where our community will already be coping with so much, this will allow us to address water needs where they are more urgently needed

This is about local control; so we can rely on local supplies when there is an emergency, to avoid being forced into participating in a response or project that might be more expensive. Speaks to other priorities.

Resilience requires supply diversity. That diversity benefits the community in other areas like affordability, water quality

For drought: Having a reliable supply during drought ("drought proof") when we know we have climate uncertainty

Doesn't this require a plan that is bought in, has ownership in a plan so they adjusting their behavior (emergency, drought, etc.)? The community is bought into helping

A foundational priority. This has the broad, overarching benefits to the community like protecting a vibrant community, the environment, public health, and the economy.

Full urban water for basic human rights (indoor water supply) should be a priority over other uses. Coordinate with other water and urban management plans

The importance of infrastructure can't be overstated when it comes to resilience. It's incumbent upon use communicate the importance of infrastructure in our community outreach strategies for water shortage contingency planning

As we work on our water shortage contingency plans, if there's a situation where we don't have enough supply for all uses, how do we priorities uses? This is foundation of the drought contingency plan draft.

If we succeed in aligning to this community priority, how will the plan benefit the community?

Water Accessibility

Expand access to safe and reliable water services.

Everything expressed earlier regarding: affordability and accessibility applies here

While this plan requires us to focus on urban needs, it's a priority in our region

There are some improvements we can make even within that urban lens (e.g. master meters, etc.)

Where does accessibility fit into any of our plans, including the UWMP? Stay open to including a little bit of it in all plans. As we look into the future and are projecting growth, some areas not affected now may be as boundaries shift with growth. There's still a place to talk about it across all of the plans we're creating.

If there are areas not connected to the urban system now, this plan has a place to forecast how this might change within future demand projections; this would most likely require additional infrastructure.

Panel Q&A

PARTICIPATING AGENCIES

What's Next

TIFFANY MEYER, WSC

Social Pinpoint Community Engagement Platform

Open mid December 2020 – January 31, 2021
from www.cvrwmg.org/UWMP

Take a Quick Survey

Rank the water related values and outcomes that are most important to you by completing our survey.

Take the Survey

Share Your Values

Share what's most important to you related to our community's water resources.

Share Your Values

Get Involved

Attend our March public workshop to see how your input was used to inform the regional water plan.

Get Involved

What community values or outcomes should our regional water investments support?

Coachella Valley Regional UWMP

Sort Comments ◉ Recent ○ Popular

Return

SHARE YOUR THOUGHTS

TAKE THE SURVEY

VER EN ESPAÑOL

Share Your Thoughts

How to Share Your Thoughts

The participating agencies for the Coachella Valley UWMP want to hear from you! Please share your comments, thoughts, and ideas related to how we invest in our community's water future.

To post your comment or idea:

- Select an icon from the top bar that corresponds with a water topic important to you.
- Complete the comment form, and your comment will be posted. All comments are anonymous.

d our regional water

Conservation

Social Pinpoint
Community Engagement Platform

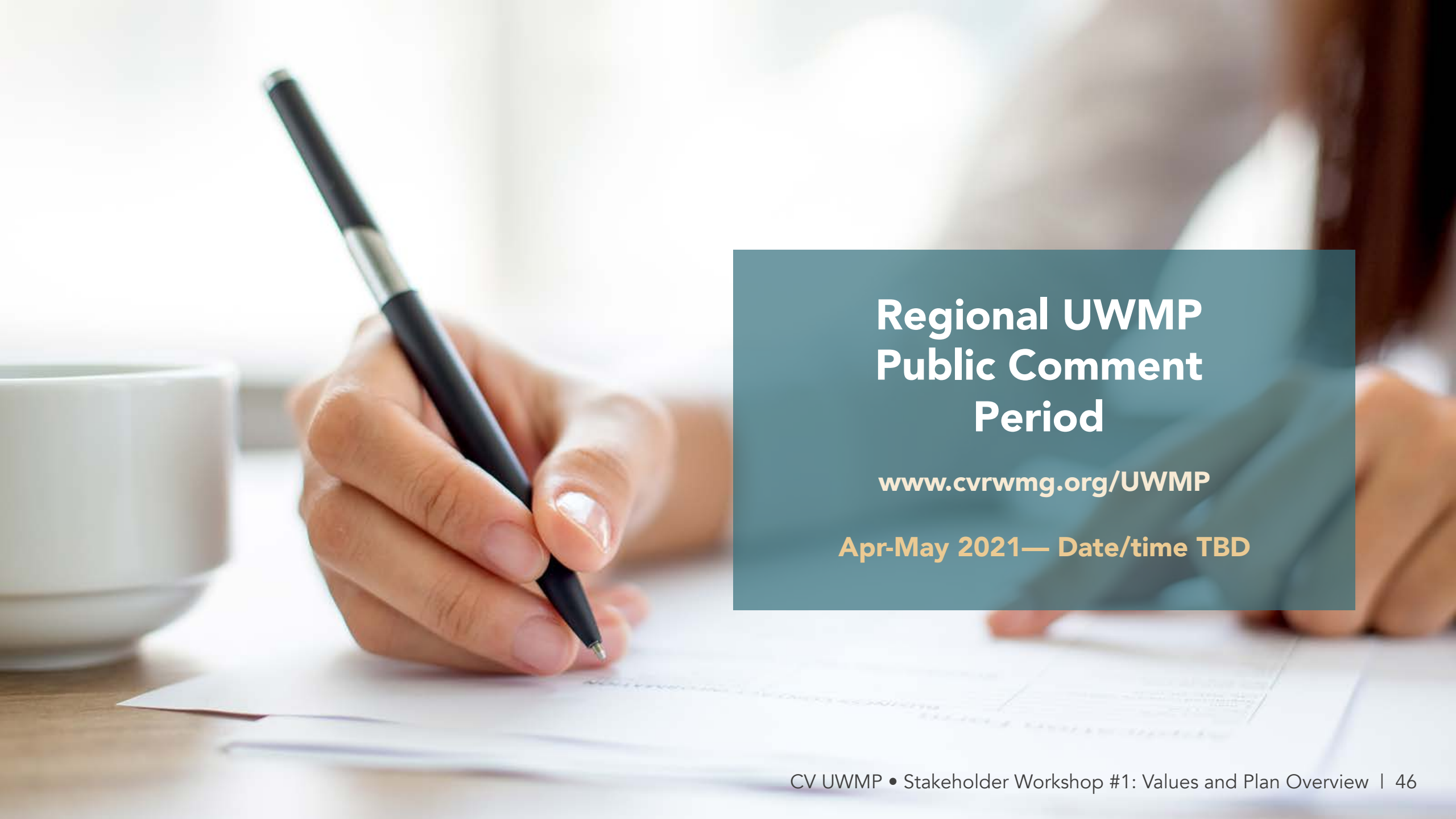
Help Get the Word Out

- Send Flyer via Email
- Post on Social Media
- Share/gather input at Community Meetings

Workshop #2: Preview of Future Urban Water Supply Plan

March 2021 — Date/time TBD

Register at www.cvrwmg.org/UWMP



Regional UWMP Public Comment Period

www.cvrwmg.org/UWMP

Apr-May 2021— Date/time TBD

LEARN MORE AT
www.cvrwmg.org/UWMP

QUESTIONS?
CVUWMP@dwa.org