

**BIG BEAR AREA REGIONAL WASTEWATER AGENCY;  
BIG BEAR CITY COMMUNITY SERVICES DISTRICT;  
CITY OF BIG BEAR LAKE, DEPARTMENT OF  
WATER AND POWER;  
BIG BEAR MUNICIPAL WATER DISTRICT  
AND BEAR VALLEY BASIN GROUNDWATER  
SUSTAINABILITY AGENCY  
NOTICE OF WORKSHOP  
July 17, 2018**

A Special Workshop with Big Bear Area Regional Wastewater Agency; Big Bear City Community Services District; City of Big Bear Lake, Department of Water and Power; Big Bear Municipal Water District and Bear Valley Basin Groundwater Sustainability Agency will be held on Tuesday, July 17, 2018 1:30 p.m. at 121 Palomino Drive, Big Bear City, California 92314.

1. **Call to Order**
2. **Pledge of Allegiance**
3. **Public Comment on Agenda Items Only** – The Public Comment portion of the meeting is an opportunity for members of the public to directly address the Governing Board on matters on the agenda.
4. **Presentation and introductions**
  - A. Bear Valley Water Sustainability Project – Presentation and Discussion
5. **Adjournment**

In compliance with the Americans with Disabilities Act and Government Code Section 54954.2, if you need special assistance to participate in an Agency meeting or other services offered by the Agency, please contact Kimberly Booth, Administrative Assistant at (909) 584-4018. Notification at least 48 hours prior to the meeting or time when services are needed will assist the Agency staff in assuring that reasonable arrangements can be made to provide accessibility to the meeting or service.

Copies of staff reports or other written documentation relating to each item of business referred to on this agenda are on file in the office of the Big Bear Area Regional Wastewater Agency and are available for public inspection during normal business hours.

Visit [www.bbarwa.org](http://www.bbarwa.org) to view and/or print the Agenda Package



# BEAR VALLEY WATER SUSTAINABILITY PROJECT

## BOARD WORKSHOP

*JULY 17TH, 2018*

*Delivering New Water Solutions*



# PROJECT TEAM



Big Bear Area Regional Wastewater Authority (BBARWA)



Big Bear City Community Services District (BBCCSD)



City of Big Bear Lake Department of Water (BBLDWP)



Big Bear Municipal Water District (BBMWD)



Bear Valley Basin Groundwater Sustainability Agency (BVBGSA)



Water Systems Consulting (WSC)

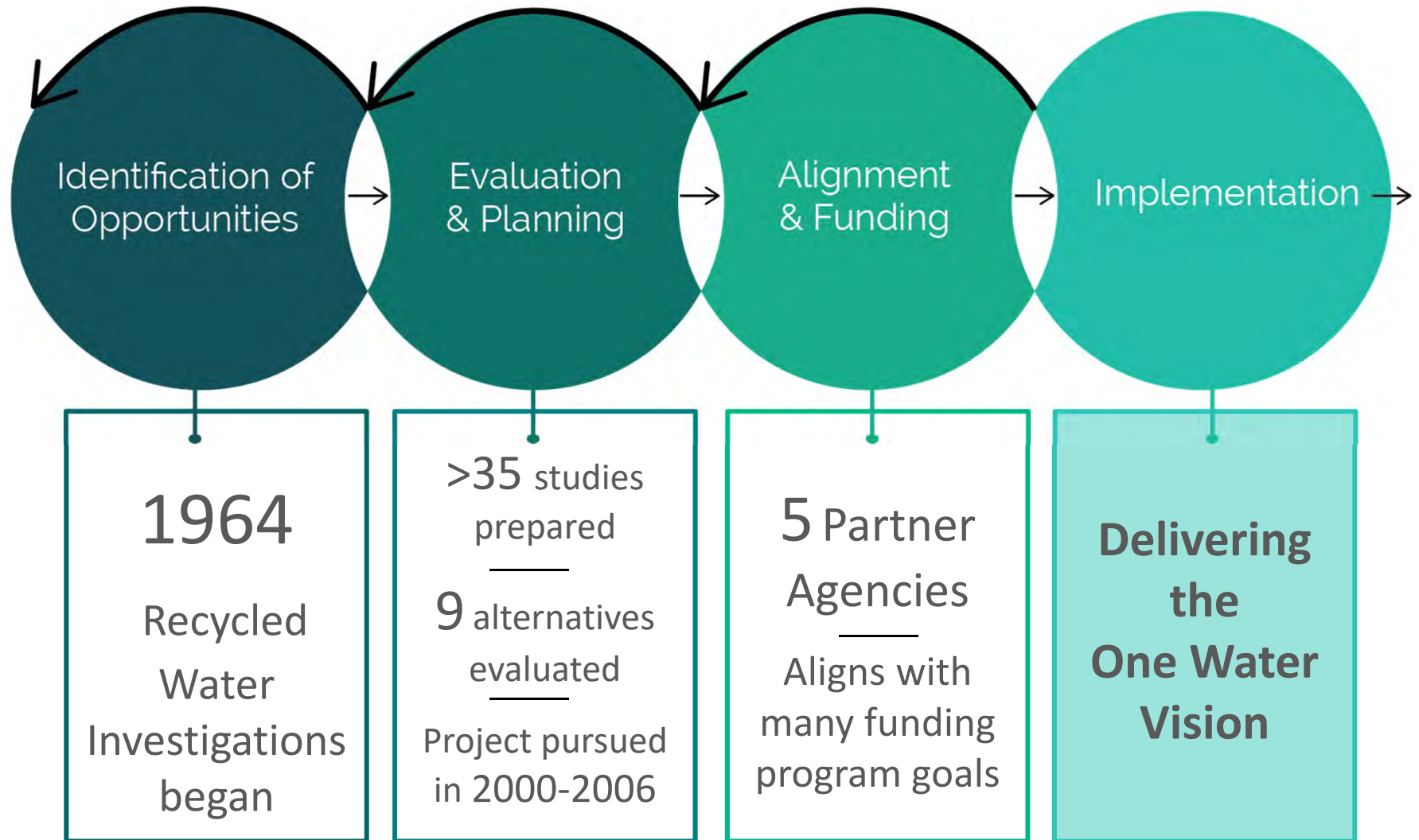


# WORKSHOP AGENDA

1. Introductions
2. Program Overview
3. Program Charter Overview
4. Branding, Communications and Outreach
5. Phase 1 Activities
6. Key Funding Opportunities
7. Program Governance Process
8. Closing



# DECADES OF WORK TO ARRIVE AT NEW WATER POSSIBILITIES FOR FUTURE



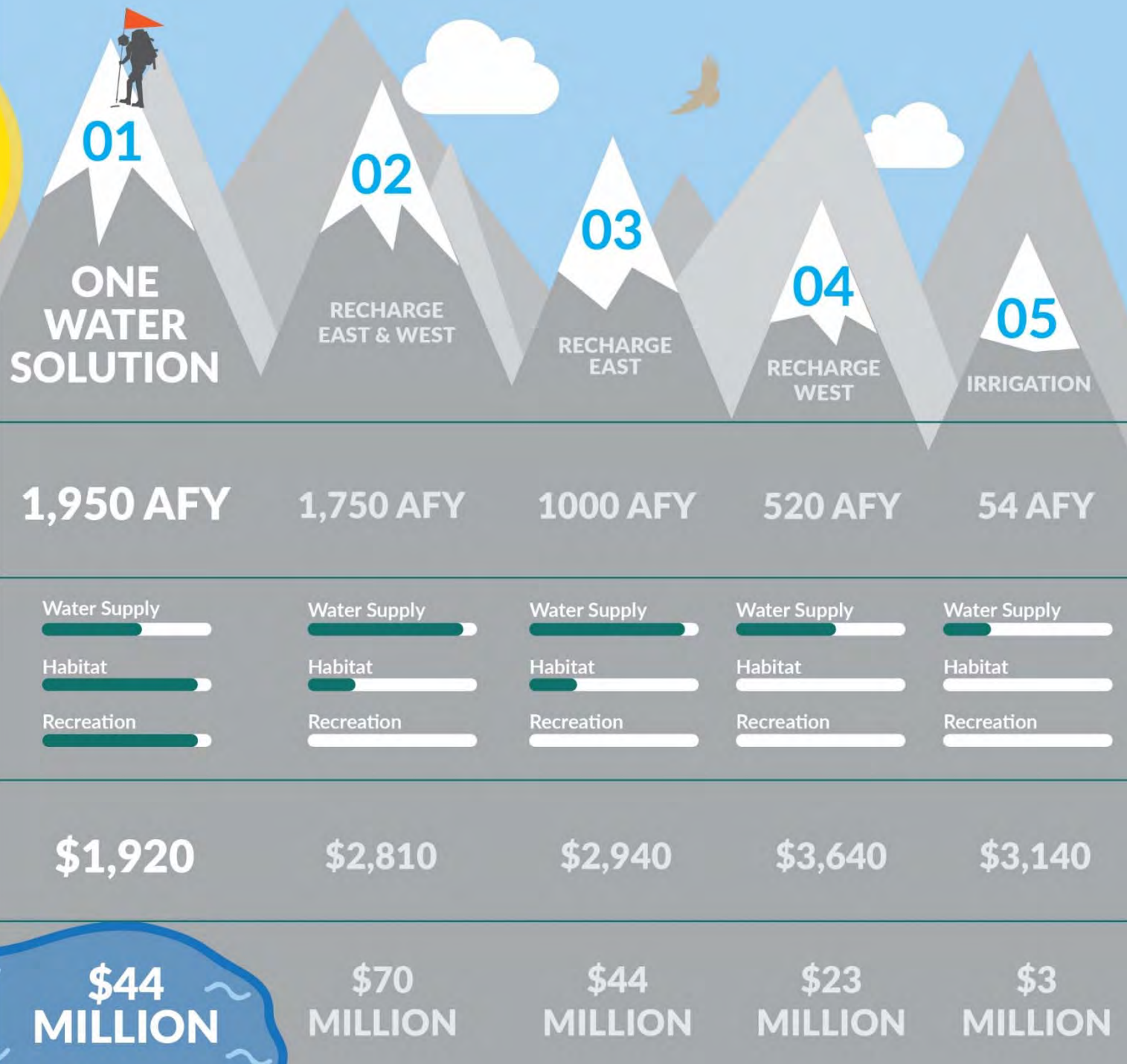
**“One Water is an integrated planning and implementation approach to managing finite water resources for long-term resilience and reliability, meeting both community and ecosystem needs.”**

*- Blueprint for One Water, Water Research Foundation*





**Finding the  
Right  
Balance  
for Big Bear  
Valley's Water  
Resources**



## THE BIG BEAR VALLEY WATER SUSTAINABILITY PROJECT WILL:



Restore and reuse a  
lost water resource.



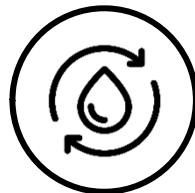
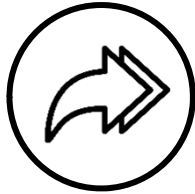
Protect the rare and diverse  
habitat and species.



Promote a thriving community  
through enhanced recreation.



# RENEWING OUR WATER FUTURE



## Closing the Water Gap and Keeping Water Local!

More than **32 billion gallons** exported out of watershed since 1980

Program efforts will recover nearly **600 million gallons** of water annually

# STRENGTHENING A COMMUNITY



## Supporting a Unique Residential and Tourism Community!

**20,000 people** in diverse natural location and **8.3 million** visitors annually

Program will increase Big Bear Lake levels by **up 5 feet in dry year**



# ENHANCING THE ENVIRONMENT



Protecting more than 155  
acres dedicated to wildlife  
and waterfowl preserve!

Sustain Stanfield Marsh ecosystem and  
endangered Unarmored Threespine  
Stickleback fish

Program will provide a **new constant  
source of water**

# PHASE 1 REPRESENTS BIG STEPS FORWARD



## Big Steps Forward

- Community Engagement and Support
- Regulatory Strategy
- Preliminary Engineering
- Refine / Allocate Benefits
- Prepare CEQA/NEPA for funding
- Secure grants and low-interest loans



# PROGRAM CHARTER:

- Road map to achieve vision through implementation
- Opportunity to align around common goals, mission, vision
- Resource for decision making and collaboration at all stages of the program



# PROCESS FOR PROGRAM CHARTER CREATION







# SHARING BIG BEAR VALLEY'S WATER JOURNEY

BRANDING | COMMUNICATIONS | OUTREACH

- # IN SUSTAINABLE WATER BEAR VALLEY

## JOIN THE LEGACY

<b>32 BILLION GALLONS</b> OF WATER GUARANTEED TO THE REGIONAL WATER DISTRICT	<b>14 AGENCIES</b> WILL BE INVOLVED (COUNTY COURTESY ONLY)	<b>420 MILLION GALLONS</b> OF POTENTIAL WATER EXCHANGED TO THE ENVIRONMENT HARVEST SINCE 1986 (LAND CONSERVED)	<b>35 STUDIES COMPLETED</b> PLANNING & DESIGN SOLUTIONS FOR THE SARRE HILLSSET
<b>9 PROJECTS/STAFFERS</b> ARE BEING USED (CONSERVED)	<b>50+ YEARS</b> OF MULTI-AGENCY COORDINATION	<b>\$5 MILLION</b> LOCAL FUNDS INVESTED TO DATE	
<b>\$15 MILLION</b> FEDERAL FUNDING APPROVED BY CONGRESS			

Existing partnerships will further our shared objectives in the Big Blue Valley.

Federal Funding is confirmed to ensure this project's financial success ensuring the long-term viability of the water resource area.

Build a strong and stable community.

Protect and preserve the environment.

Support the economic development.

**500+ MILLION**  
PLANNING & DESIGN

**1.5 MILLION**  
DESIGN/CONSTRUCTION FACILITY

**542 MILLION**  
CONSTRUCTION

**170 MILLION**  
OPERATION & MAINTENANCE

CONTACT US:

JOHN L. WATKINS, JR., GENERAL MANAGER | 10000 N. 100th Street, Suite 100, Scottsdale, AZ 85258 | 480.340.1234



A background image showing a hand placing a smooth, flat stone on top of a stack of similar stones. The stack is balanced on a larger rock. In the background, a river flows over rocks, and trees are visible on the opposite bank. The image has a soft, slightly blurred quality.

## A successful sustainable water program brand:

- Demonstrates *local* value of water to a community
- Relates to community *values* and *goals*
- Clearly shares the *benefit* of the investment
- Engages public in *learning* more about water
- Creates a recognizable *water identity*

# THERE IS GREAT VALUE IN ALIGNING TO SHARE THE WATER STORY

Aligning partners around  
**common / baseline message** about  
program

Developing a **shared space** for  
outreach

Proactively coordinating outreach  
together and leveraging existing  
channels

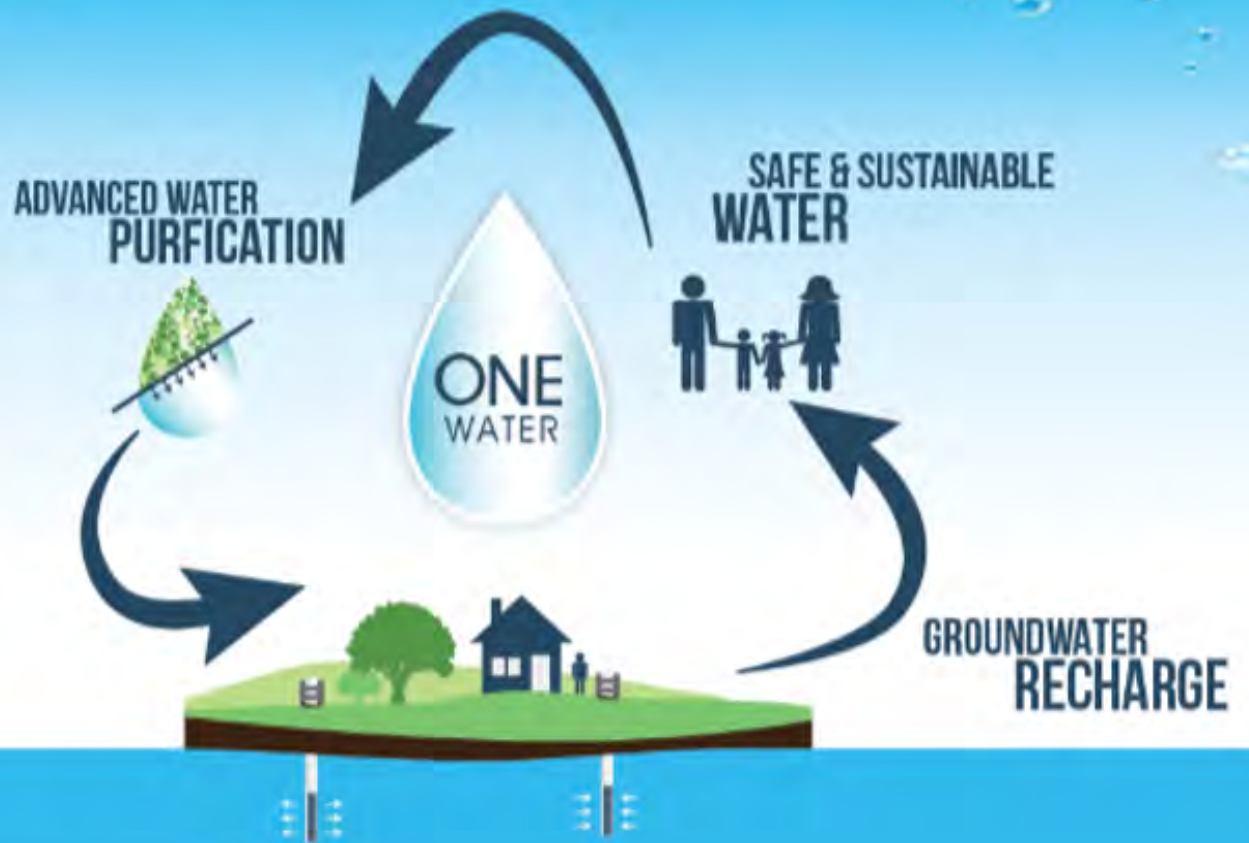
**Creating a new brand story / image**  
strengthened through your  
collaboration



**Regional One  
Water Brand**



# REGIONAL GROUNDWATER SUSTAINABILITY PROJECT



WSC worked with the Five  
Cities Partners to Renew the  
RGSP Program Brand



# EARLY RGSP COMMUNICATIONS FOCUSED ON FUNDING AND ELECTED OFFICIAL SUPPORT

**REGIONAL GROUNDWATER SUSTAINABILITY PROJECT**  
CITY OF PISMO BEACH & SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT  
ONE COMMUNITY. ONE WATER. ONE FUTURE.

**RGSP**  
REGIONAL GROUNDWATER SUSTAINABILITY PROJECT

### WHY THE RGSP?

The Regional Groundwater Sustainability Project (RGSP) is a regional recycled water project to inject advanced treated recycled water into the Northern Cities Management Area (NCMA) of the Santa Maria Groundwater Basin (SMGB) to prevent groundwater contamination caused by seawater intrusion. The SMGB is a source of drinking water for more than 200,000 people and is identified as a High Priority Basin as designated by the State of California Department of Water Resources (DWR) in accordance with the Sustainable Groundwater Management Act (SGMA). The RGSP will leverage local funding along with other state funding as described below, and includes new and innovative technology including injection of advanced treated recycled water to form a seawater intrusion barrier. Once implemented, the RGSP will significantly increase water supply reliability for the agencies that pump from the NCMA including the Cities of Pismo Beach, Arroyo Grande and Grover Beach, and the Oceano Community Services District.

### BENEFITS & RESULTS

PREVENT GROUNDWATER CONTAMINATION CAUSED BY SEAWATER INTRUSION

UTILIZE NEW AND INNOVATIVE TECHNOLOGY TO PROVIDE UP TO 3,500 AFY OF ADVANCED PURIFIED WATER

REDUCE WASTEWATER DISCHARGES TO THE OCEAN BY UP TO 3.5 MGD

INVOLVES COLLABORATION OF 4 COMMUNITIES AND 2 WASTEWATER TREATMENT FACILITIES

SUSTAINABLE DROUGHT-PROOF WATER SUPPLY FOR 44,000 PEOPLE

### PROCESS OVERVIEW

The RGSP will recover secondary effluent from the City of Pismo Beach and the South San Luis Obispo County Sanitation District WWTPs, a resource that is currently being discharged to the ocean, and utilized full advanced treatment to produce purified water to supplement groundwater supplies and protect the local groundwater basin from seawater intrusion.

### TIMELINE

**UPCOMING MILESTONES**

- EIR COMPLETION.....MID 2018
- TEST INJECTION WELL DESIGN & CONSTRUCTION KICKOFF.....EARLY 2018
- GROUNDWATER MODEL PHASE 1B.....MID 2018
- COMPLETION.....MID 2018
- PHASE 1 CONSTRUCTION KICKOFF.....MID 2019
- PHASE 2 CONSTRUCTION KICKOFF.....LATE 2020

### REGIONAL COLLABORATION

**RGSP**  
REGIONAL GROUNDWATER SUSTAINABILITY PROJECT

Cost Sharing & Shared Decision Making

Cost Sharing Advocacy Platform

### COSTS

PHASE/SCOPE OF PROJECT	ESTIMATED COST (IN 2018 DOLLARS)
PROGRAM MANAGEMENT	\$6,000,000
PRELIMINARY DESIGN	\$3,000,000
CEQA	\$1,000,000
TOTAL DESIGN	\$6,000,000
CONSTRUCTION	\$80,000,000
CONSTRUCTION MANAGEMENT	\$8,000,000
OFFICE EXPENSES DURING CONSTRUCTION	\$2,500,000
<b>TOTAL:</b>	<b>\$94,000,000</b>

### LEVERAGE LOCAL & OTHER FUNDING SOURCES

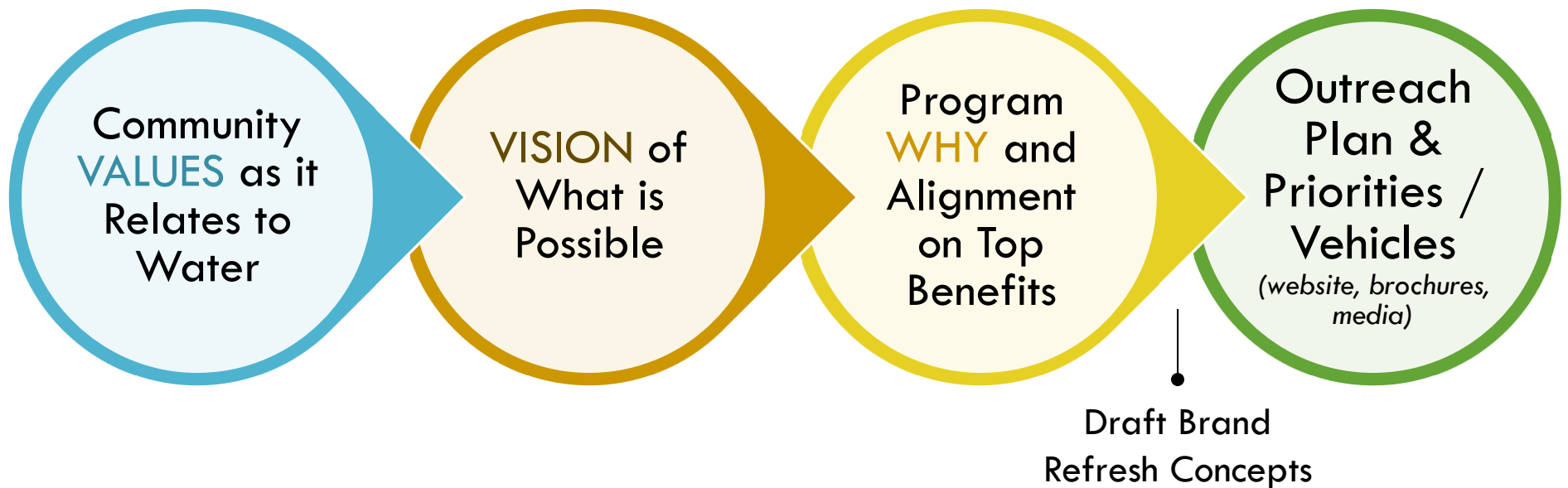
**REGIONAL GROUNDWATER SUSTAINABILITY PROJECT**  
PISMO BEACH, CA

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**CONTACT:**  
Benjamin A. Fine, PE  
Director of Public Works  
City of Pismo Beach  
805-773-7037



# PROCESS INVOLVED SIMPLE STEPS TO ARRIVE AT RENEWED BRAND



# MADE TO STICK

Simple | Benefits in context | Memorable | Visual personal connection | Emotional | Impact



[The Water Crisis](#)

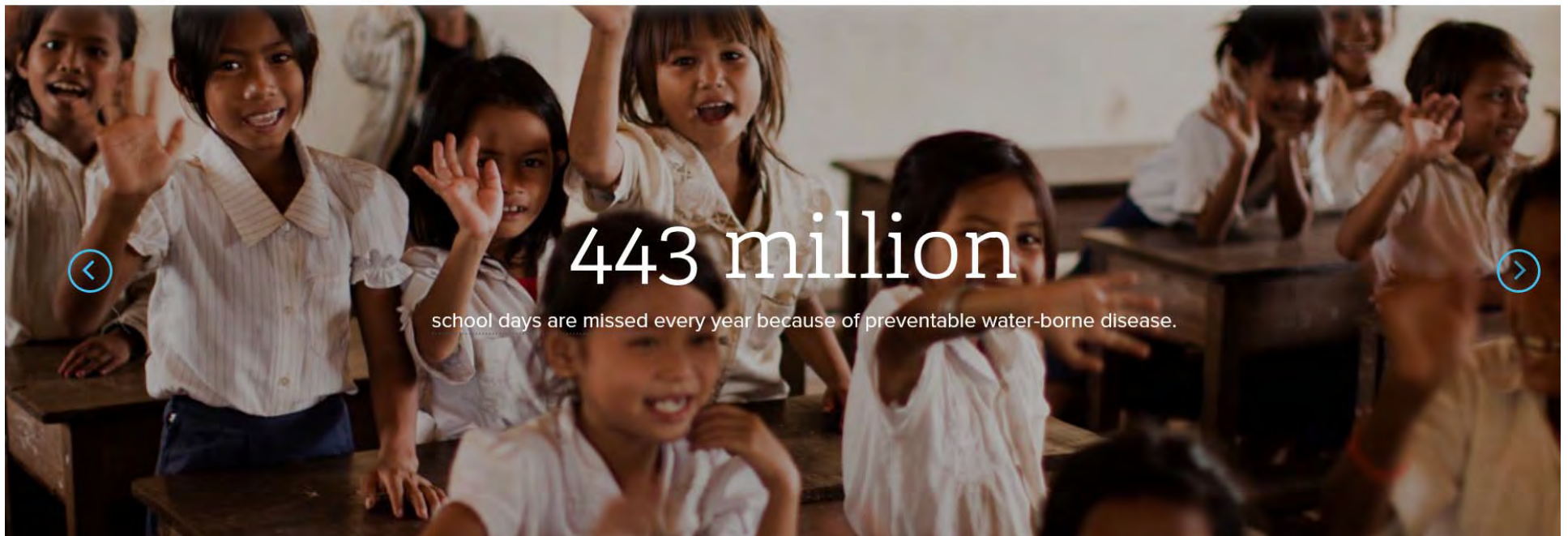
[Our Approach](#) ▾

[Current Projects](#) ▾

[Get Involved](#) ▾

[GIVE A WELL](#)

[GIVE WATER](#)



443 million

school days are missed every year because of preventable water-borne disease.

# WHAT STICKS FOR CENTRAL COAST?

## IDEAS FROM THE WORKSHOP...

What can we learn from the past?

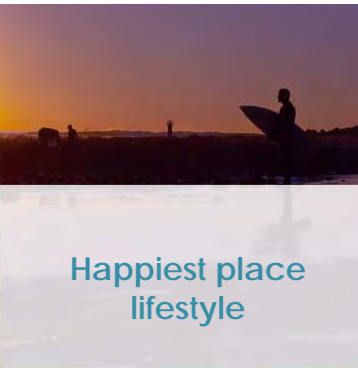
Collaboration | Stewardship | Vision for Future



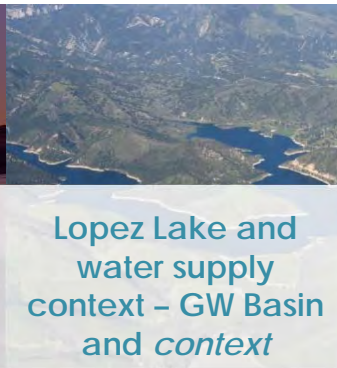
## What sticks NOW....



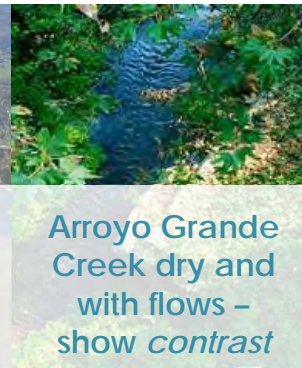
Amazing  
technology,  
engineering



Happiest place  
lifestyle



Lopez Lake and  
water supply  
context - GW Basin  
and *context*



Arroyo Grande  
Creek dry and  
with flows -  
*show contrast*



Cost of water  
independence -  
*show contrast*



Unique  
community  
character

Why is RGSP important for the future?



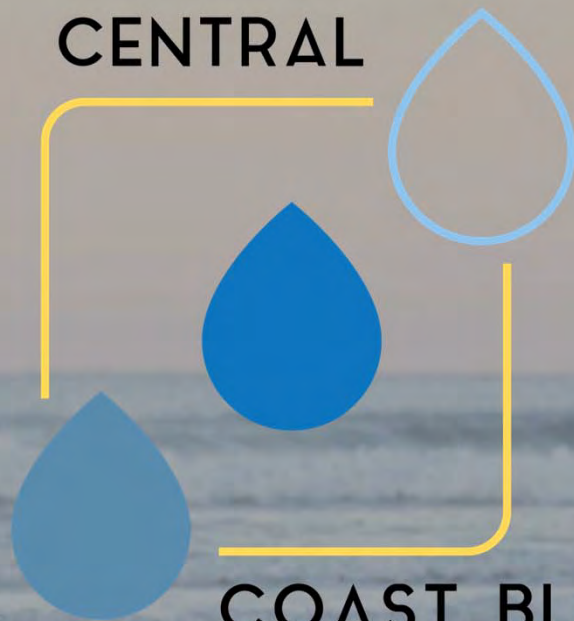
# WORDS THAT “STUCK” FOR FIVE CITIES IDENTIFIED IN KICK-OFF MEETING



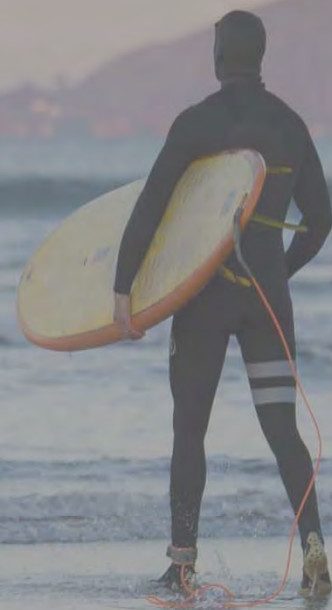
New Water  
Renew Water  
Local Control  
5 Cities. 1 Water  
Water  
Tomorrow  
H2O  
Quality of Life  
Quality Central Coast  
Water Life  
Thrive  
Preserve  
Independence  
Proactive  
Play Together  
Enhance  
Craftmanship  
Resilience  
Gold



CENTRAL



COAST BLUE

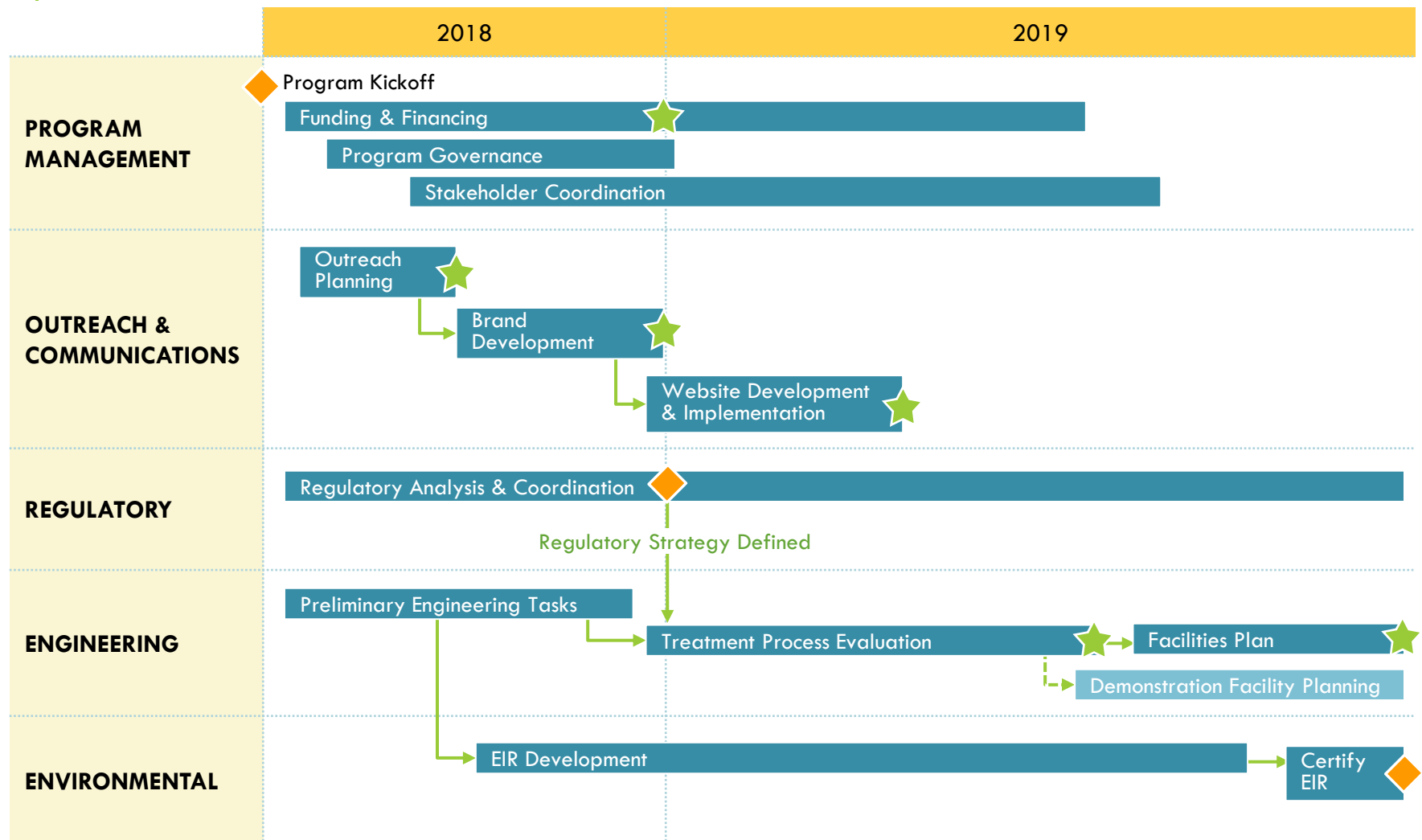


# START COMMUNITY CONNECTION WITH THE RIGHT QUESTIONS

Which three words describe the potential legacy of the program for the community?

# PHASE 1 ACTIVITIES

- ★ Board Check in
- ◆ Targeted Milestone





# ONE WATER MULTI-BENEFIT APPROACH MEETS FEDERAL, STATE AND LOCAL GOALS

## REGIONAL LEADERSHIP ALIGNS WITH STATE PRIORITIES

*According to the California Water Action Plan and the SRF Intended Use Plan...*



# INTEGRATED REGIONAL WATER MANAGEMENT IMPLEMENTATION GRANT



Potential Funding: **\$63 million**  
total grant available to Santa Ana  
region

Timing: Applications due **April 2019**  
Grants awarded 2019

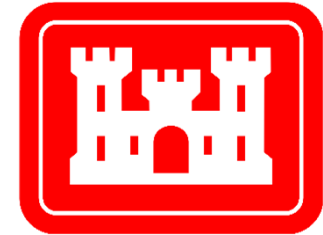
## Program Priorities

- ✓ Increase regional self-reliance
- ✓ more reliable water supplies
- ✓ prepare for dry periods
- ✓ restore and enhance ecosystems

## CAPTURE PLAN

- Continue engagement with SAWPA groups to stay updated on the DWR process, influence prioritization process and make stakeholders aware of the benefits
- Complete CEQA/NEPA document to improve funding probability
- Seek designated DAC funding through SAWPA

# ARMY CORPS SECTION 219 FUNDING ASSISTANCE



Potential Funding: **\$15 Million**  
in federal assistance authorized in  
2007 WRDA

Timing: Initial funds need to be  
allocated **this year**

## Program Priorities

- ✓ Build a strong and stable community
- ✓ Protect and restore the environment
- ✓ Energize the economy by improving recreational opportunities

## CAPTURE PLAN

- Continue communication with local Army Corps office to update them on project progress and request funding availability updates
- If funding becomes available, collaborate with Army Corps staff to determine how they will engage



# TITLE XVI WATER RECLAMATION AND REUSE PROJECTS



Potential Funding: Approx. **\$11 Million** (25% of Project Cost)

Timing: Typically accept applications **annually from May to July**

## Program Priorities

- ☒ Flexibility and sustainability during water shortages
- ☒ reclamation and reuse of wastewaters

## CAPTURE PLAN

- Prepare a Title XVI Feasibility Study and get USBR approval by the end of 2018
- Apply for Title XVI Construction Funding during 2019 cycle

# USDA RD WATER & WASTE DISPOSAL LOAN AND GRANT PROGRAM



Potential Funding: **Low interest loans** (2-4% for 40 years), **partial grant possible**

Timing: Applications accepted year-round, annual funding cycle begins each **September**

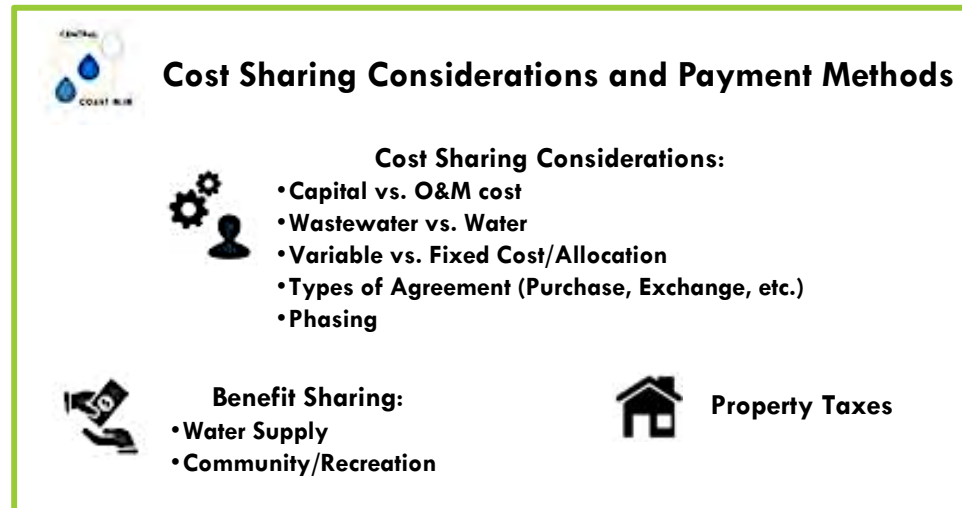
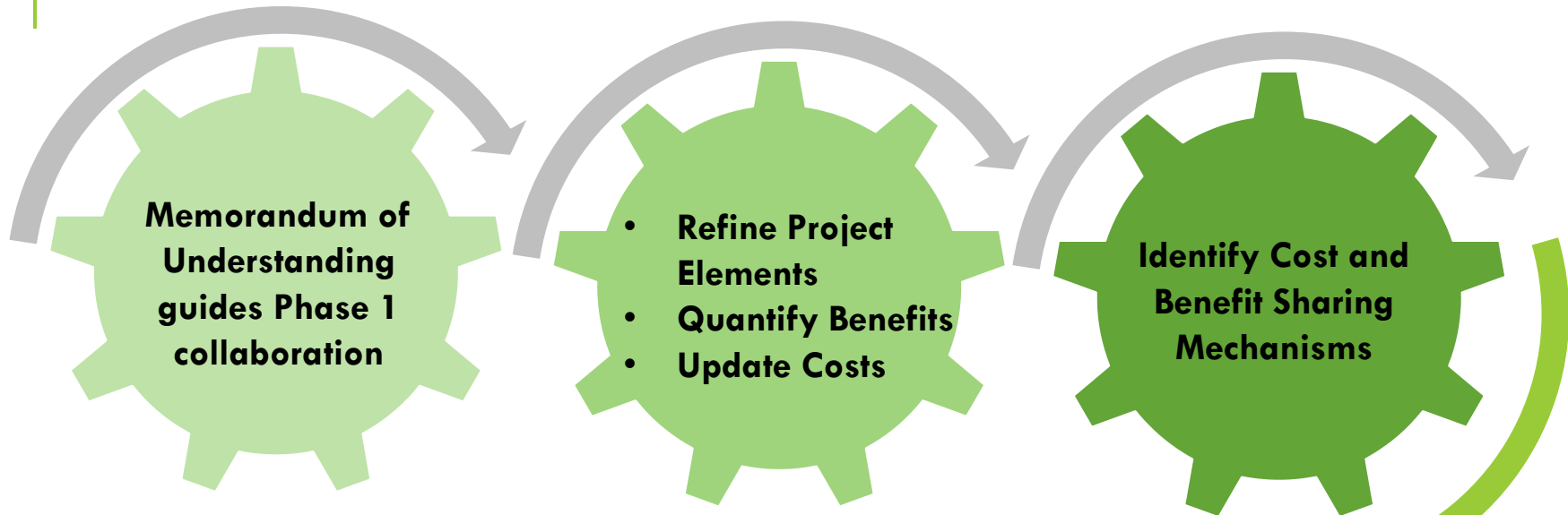
## Program Priorities

- ☒ Clean and reliable drinking water
- ☒ sanitary sewage disposal
- ☒ water and energy efficiency and sustainability

## CAPTURE PLAN

- Prepare a Preliminary Engineering Report
- Complete CEQA/NEPA document to finalize loan application

# PROGRAM GOVERNANCE





# COLLABORATION AMPLIFIES ONE WATER BENEFITS



# Thank You!

