



BACWA Recycled Water Committee Meeting November 16, 2021



Melanie Mow Schumacher, PE
Special Projects/Communications Manager
Pure Water Soquel Program Director



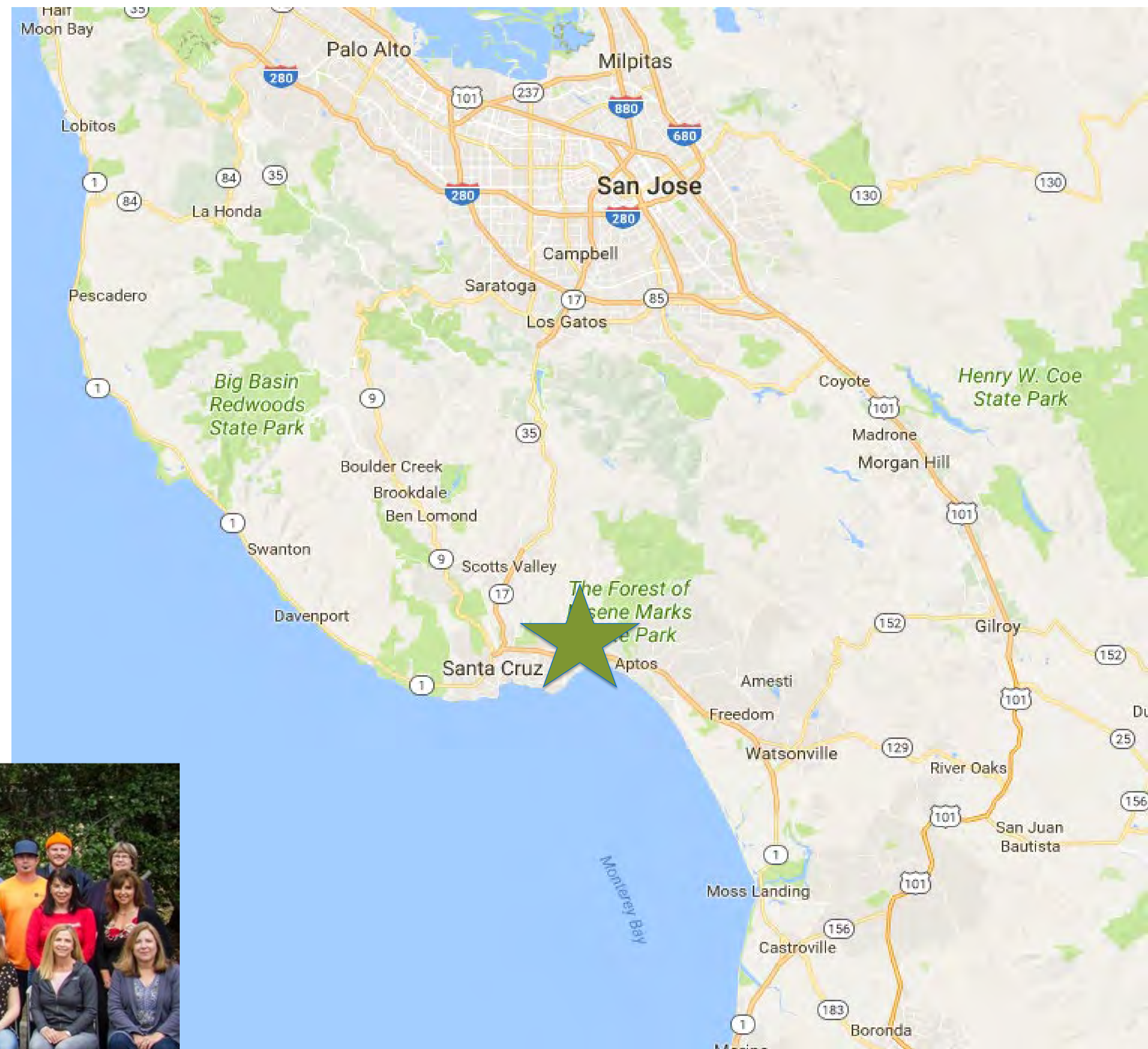
Ron Duncan
General Manager



Who We Are



- 💧 3,300 acre-feet per year
- 💧 48 employees
- 💧 Serve the areas of Aptos, La Selva Beach, Opal Cliffs, Rio Del Mar, Seascapes, Soquel, and portions of Capitola
- 💧 100% groundwater conveyed through 165+ miles of pipeline
- 💧 Santa Cruz Mid County Groundwater Basin

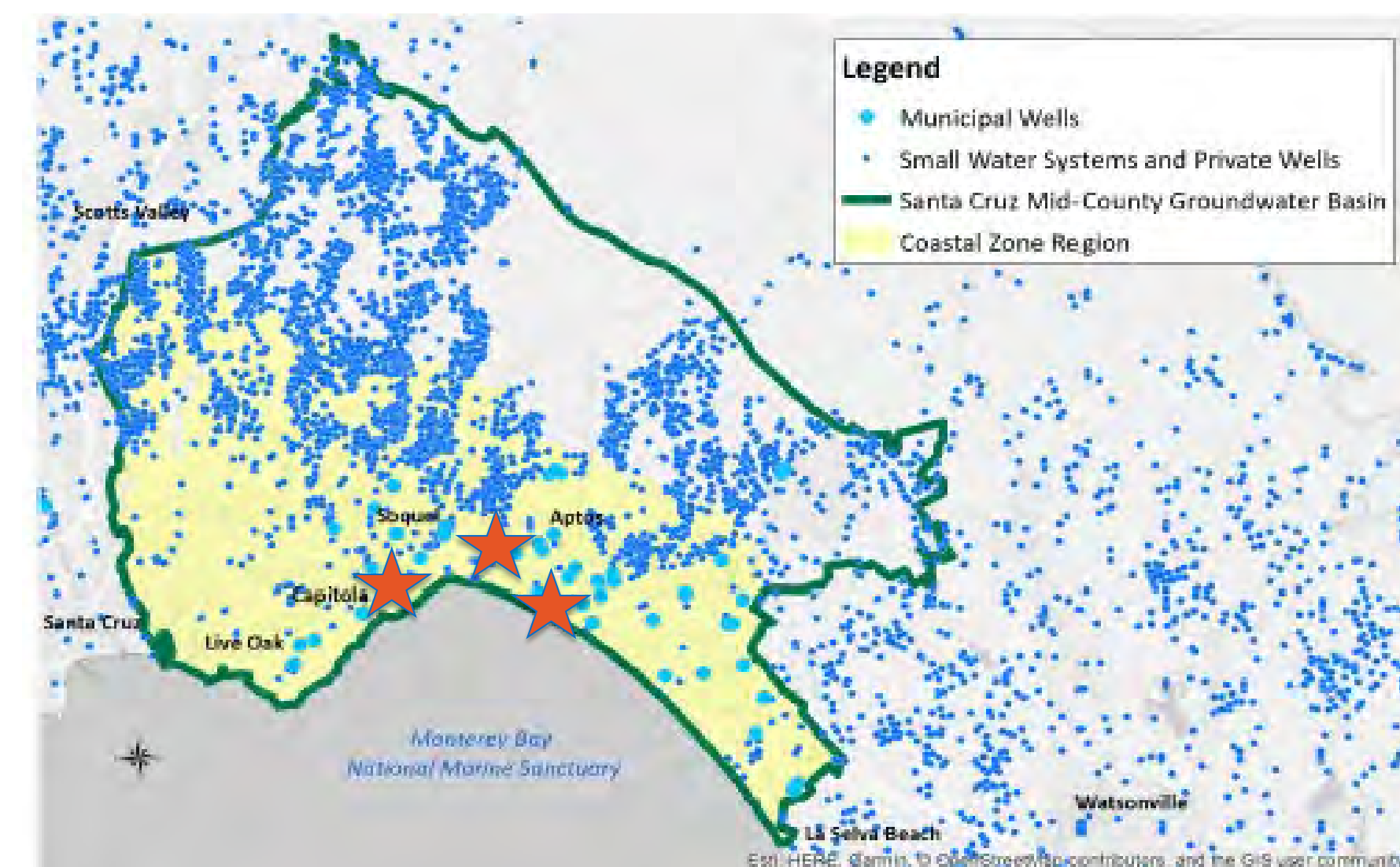
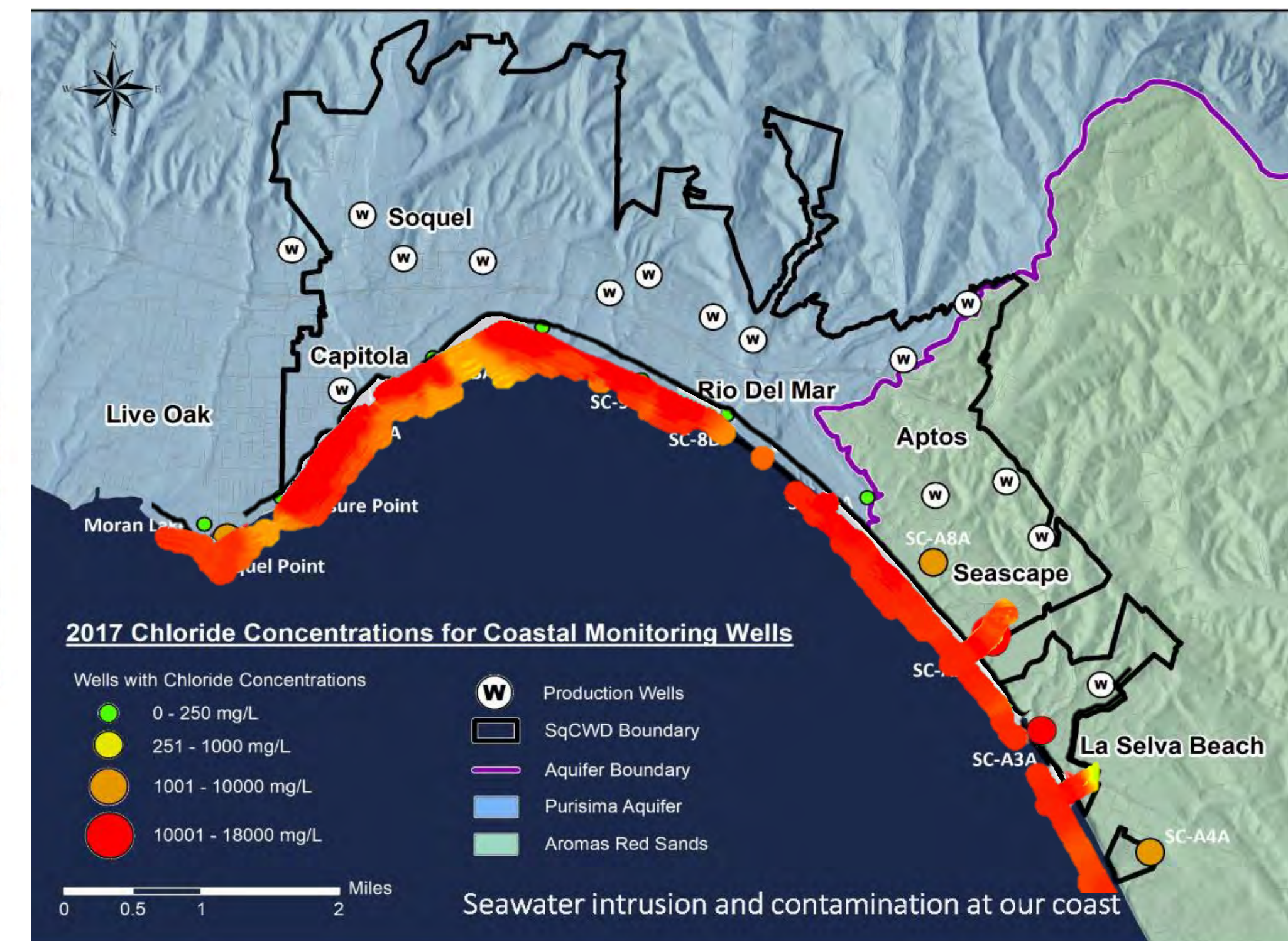


Our Water Challenge

- **Groundwater** is the **only source** of water for Soquel Creek Water District and much of the SC Mid-County Region
- **Critically overdrafted** as identified by the State of California with a mandate to be sustainable by 2040
- **Contaminated** with seawater intrusion along the coast



Identified by State of CA in 2014
as Critically Overdrafted

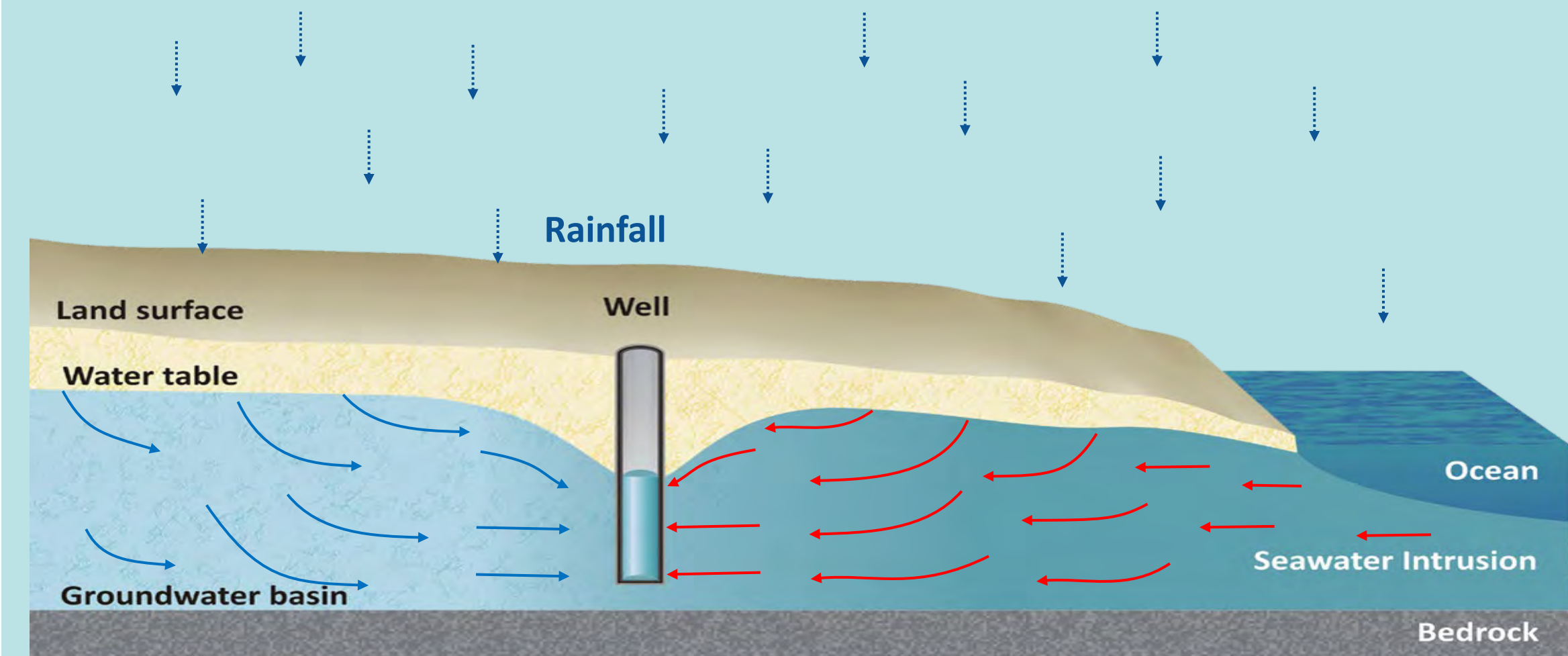


Our Primary Water Solution

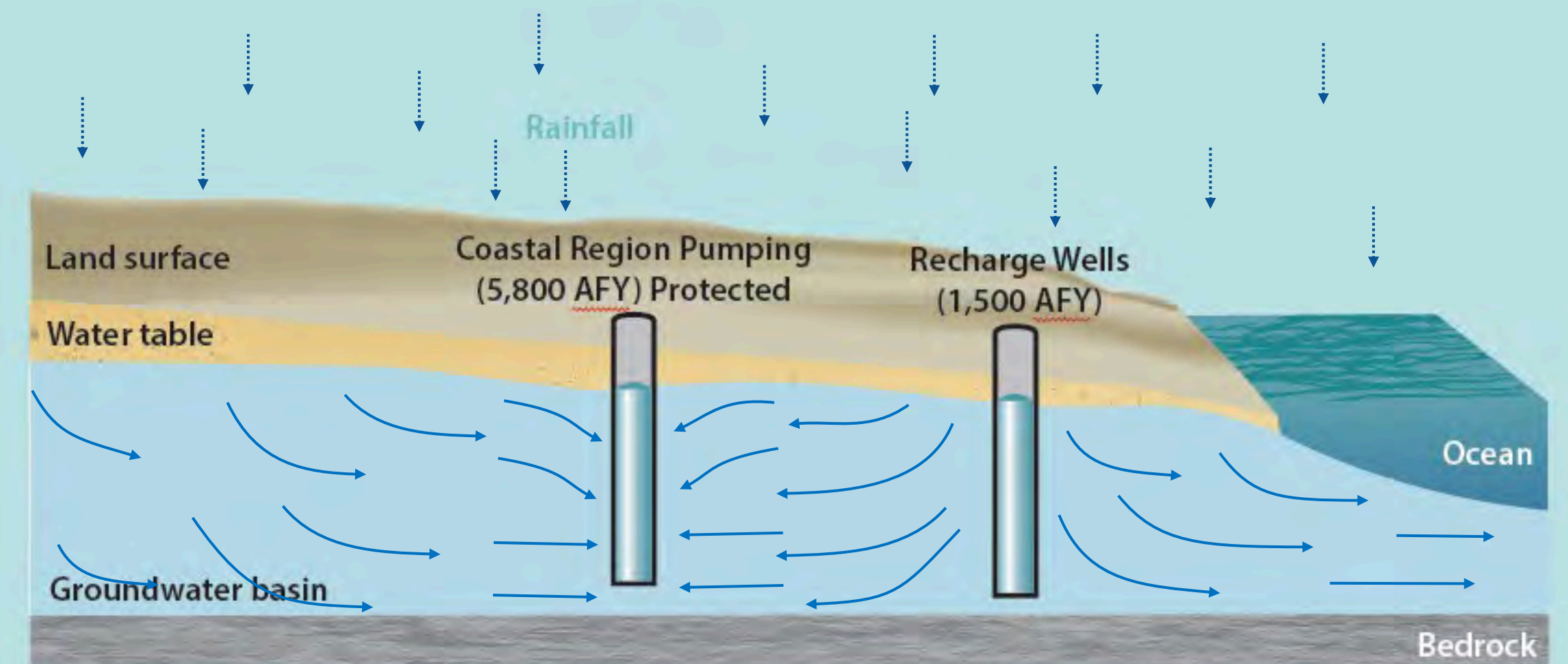


- Pure Water Soquel will **replenish the groundwater basin**
- Pure Water Soquel will **create a seawater intrusion barrier**
- Pure Water Soquel will **restore the Groundwater Basin to sustainable levels**

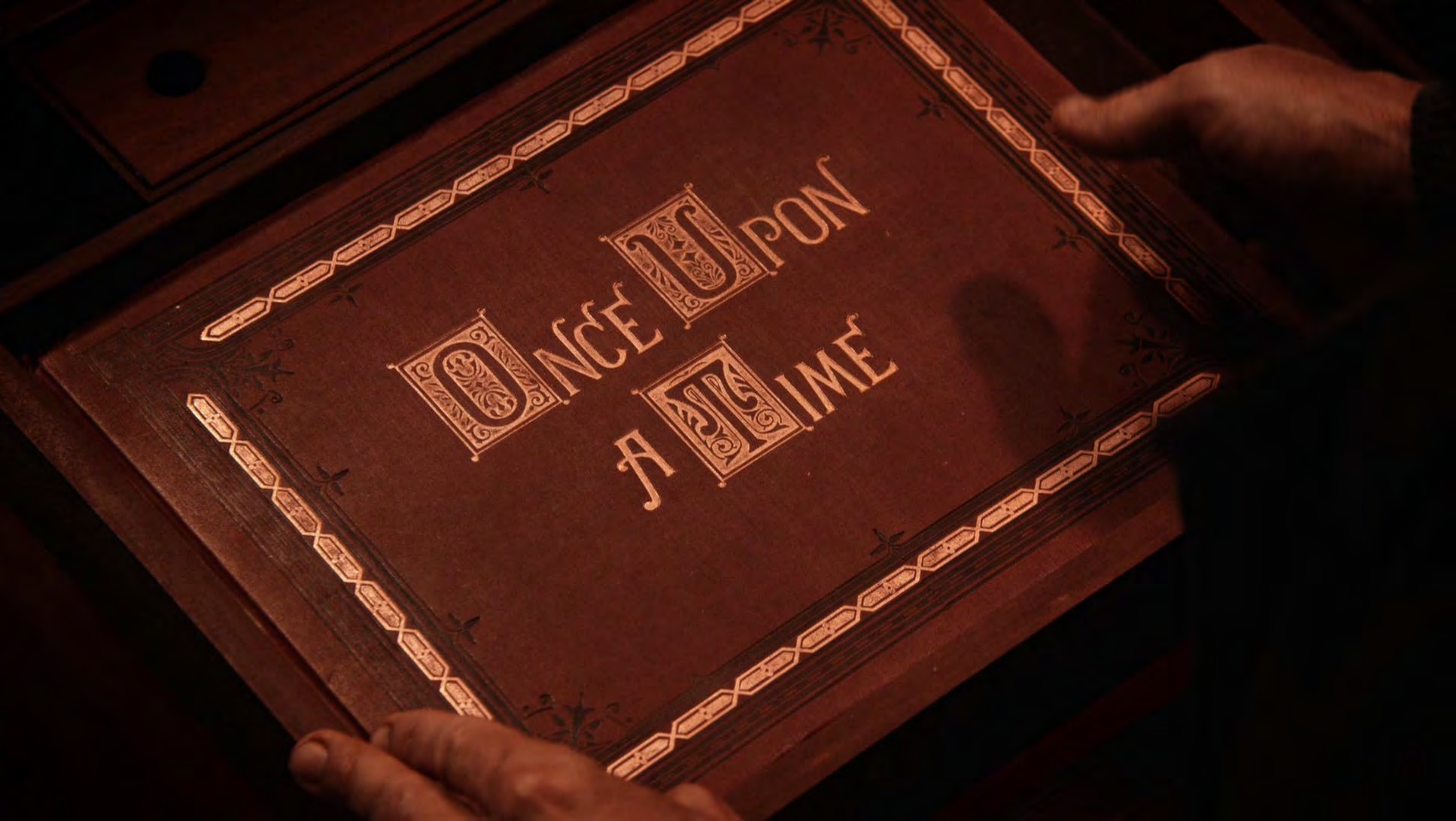
Seawater Intrusion



With Pure Water Soquel



ONCE UPON
A TIME



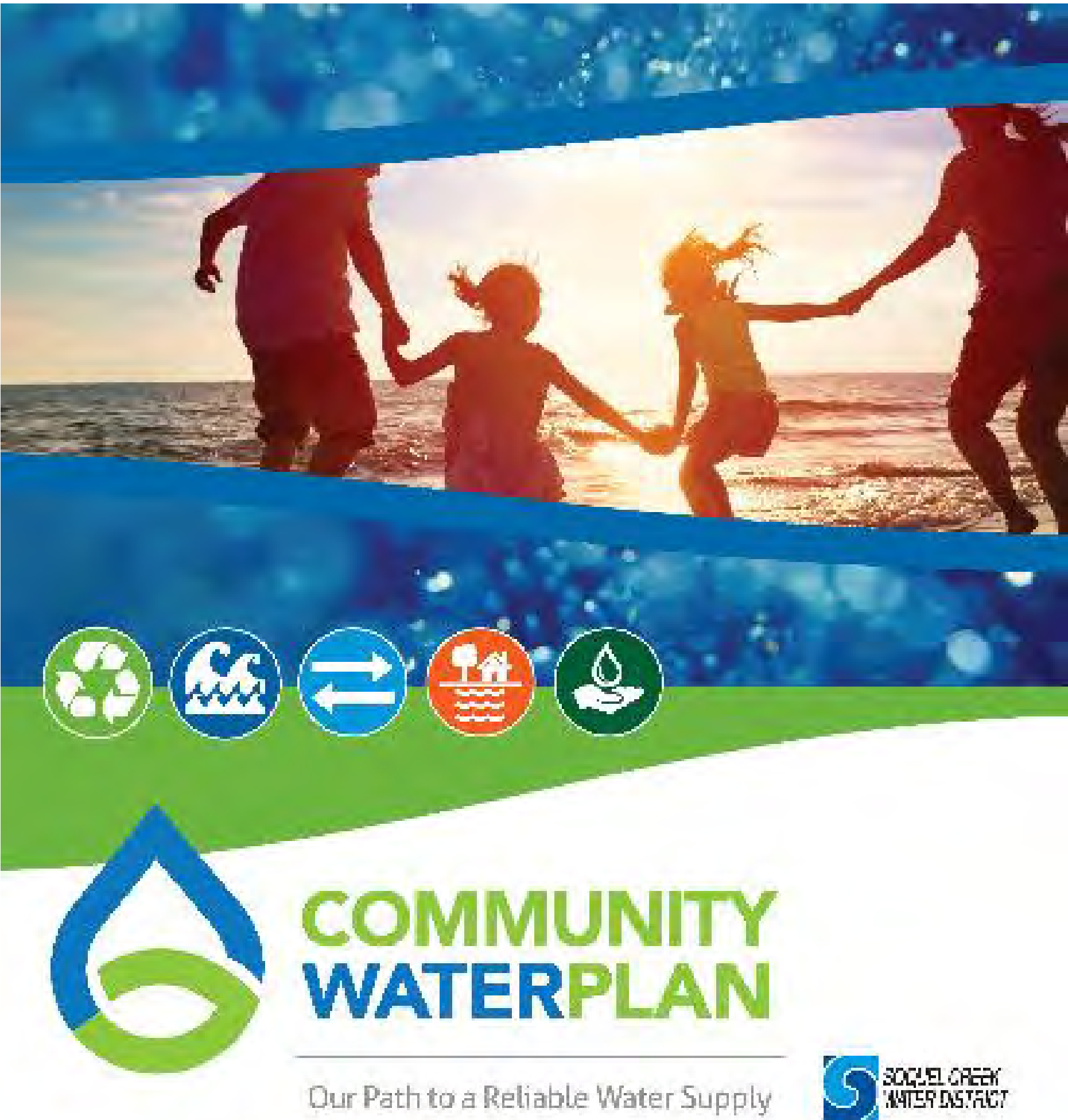
Looking Back...



2013-2014	2015
<p>scwd² Desalination Program put on hold</p> <p>Water Supply Option Re-Evaluation</p> <ul style="list-style-type: none">Conducted 13-month public process. <p>State Mandate</p> <ul style="list-style-type: none">California passes Sustainable Groundwater Management Act which requires local Basin to be sustainable by 2040. <div data-bbox="449 1136 1279 1791">The image shows the front cover of a document titled "THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT". The title is centered in a serif font. Below the title is a circular photograph of the California State Capitol building in Sacramento, showing its iconic dome and classical architecture.</div>	<p>Initiate on-going Public Engagement and Project Evaluation</p> <ul style="list-style-type: none">Develops Community Water PlanThrough public process and input, Board directs staff to further evaluate recycled water, in addition to desalination and surface water. <div data-bbox="2022 1028 2765 1785">A photograph of a public engagement meeting. Several people are seated around a large rectangular table, looking at documents and talking. In the background, there are whiteboards with handwritten notes and a large screen.</div>

Community Water Plan

Created for Our Community, With Our Community



New Supplies



Water Purification
Pure Water Soquel



Excess River Water
Purchase



Storm Water Capture

Signs of resistance...

RAW? WASTEWATER SEWER PLANT

ODOR
NOISE

Location across the street
Proposed by Soquel Creek Water District

LIGHTS
POLLUTANTS

PUBLIC MEETING

Wed. Dec. 7th--2 p.m. to 4 p.m. and 6 p.m. to 8 p.m.
Twin Lakes Church, 2701 Cabrillo College Dr. Building 700, Aptos



Sewage Treatment Plant in *OUR* Neighborhood If We Don't Act *NOW*



Industrial installation in a **RESIDENTIAL NEIGHBORHOOD**

Loss of **HOME EQUITY, FOUL ODOR, NOISE**, Traffic Impacts

Night Lighting Glare, Ground Borne Vibration, Visual Blight, 3 Years of Construction

Potentially Significant: **"SUBSTANTIAL ADVERSE EFFECTS ON HUMAN BEINGS AND ENVIRONMENT"**

Sign the Petition @ www.goo.gl/BUfzj7
(case sensitive)

or

Go to www.change.org
And search Soquel



Surface Water Transfer Info
www.waterforsantacruz.com

Soquel Creek Water Dist. Notice of Preparation
(This is their environmental info)
goo.gl/Gtk3mx (case sensitive)

Customer Petitions

Petitioning [President of the Board Dr. Tom LaHue](#) and [2 others](#)

Stop Soquel Creek Water Dist. RAW WASTEWATER TREATMENT PLANTS!!!

 [Bob Mettalia](#) Soquel, CA



Soquel Creek Water District is in the EIR phase of building two treatment plants on the corner of Capitola Ave. and Soquel Dr. in Soquel CA. Raw wastewater and secondary/tertiary water will be pumped from the wastewater treatment plant in Santa Cruz to this site. It will then be processed and injected back into the aquifer to help offset the overdraft condition. We, the undersigned, are concerned citizens who urge our leaders to act now to change the *location* of the proposed plants. This is a

Sign this petition

 Your info will stay private.

189 supporters

11 needed to reach 200

First name

Last name

Email

☐  Share with Facebook friends

Sign

By signing, you accept Change.org's [Terms of Service](#) and [Privacy Policy](#), and agree to receive occasional emails about campaigns on Change.org. You can unsubscribe at any time.

Stop Soquel Creek Water Dist. Neighborhood Poop Plant!!!



Soquel Creek Water District is in the EIR phase of building a treatment plant on the corner of Capitola Ave. and Soquel Dr. in Soquel CA. Raw wastewater and secondary/tertiary water will be pumped from the wastewater treatment plant in Santa Cruz to this site. It will then be processed and injected back into the aquifer to help offset the overdraft condition. We, the undersigned, are concerned citizens who urge our leaders to act now to change the *location* of the proposed plant. This is a residential neighborhood! We don't want the odor, noise, substantial light & glare at night, ground borne vibration, decline in home equity, decline in living environment. We want to live in a neighborhood not an industrial area! Go to the link to sign the petition. Let them know what we think. Thanks.



goo.gl/BUfzj7

Public Meetings



Phone Message:
**“Melanie- I recommend you
drink your own sewage
water”**

WHAT YOU NEED TO KNOW ABOUT
SOQUEL CREEK WATER DISTRICT'S
PUREWATER SOQUEL PROJECT

1) THE DISTRICT IS RE-STARTING THE ENVIRONMENTAL REVIEW SCOPING PROCESS BECAUSE OF CITIZEN OUTCRY REGARDING FORMER PLANS TO PLACE A SEWAGE TREATMENT PLANT IN THE RESIDENTIAL AREA NEAR THE DISTRICT OFFICE.

2) PUREWATER SOQUEL IS ONLY ONE OF FOUR POSSIBLE SUPPLEMENTAL WATER SUPPLY OPTIONS BUT THE DISTRICT IS ALREADY BUDGETING FOR THAT OPTION ALONE.

WATER RATES ADVISORY COMMITTEE MEETS JULY 17, 3pm-4pm
3) THE DISTRICT 2018-2019 BUDGET INCLUDES A 17% RATE PAYER INCREASE TO COVER COSTS OF THE PUREWATER SOQUEL PROJECT.

4) DISTRICT CONSULTANTS ADMIT THE PUREWATER SOQUEL TREATMENT PROCESS IS ENERGY-INTENSIVE AND WILL NOT BE ABLE TO COMPLETELY REMOVE CARCINOGENIC CONTAMINANTS, SUCH AS NDMA, DRUG MIXTURES. LEARN MORE ABOUT CONTAMINANTS ASSOCIATED WITH THE PROPOSED PROJECT:

WWW.WATERBOARDS.CA.GOV/DRINKING_WATER/CERTLIC/DRINKINGWATER/NDMA.SHTML AND ALSO :

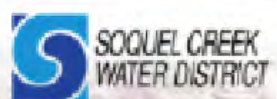
WWW.WATERBOARDS.CA.GOV/DRINKING_WATER/CERTLIC/DRINKINGWATER/DOCUMENTS/PW_DPP_CRITERIA/APP_B.AC.PPT.PDF


Building Trust



One-on-Ones, Presentations, and Lots of Information



**NEWS AND UPDATES**
JUNE 2017



What's On Tap

AT THE SOQUEL CREEK WATER DISTRICT

Update on PUREWater Soquel

In January we received a grant of up to \$2 million dollars to help fund continued evaluation efforts for the District's proposed Pure Water Soquel Project. It would use advanced water purification methods to purify recycled water for replenishing the groundwater basin and protecting against seawater intrusion. This funding is part of an \$800 million dollar funding source through the State Water Resources Control Board for projects which prevent and clean up contamination of groundwater that serves as a source of drinking water. Since groundwater is currently our sole water supply and seawater contamination is already occurring along the coastline, the prevention of seawater intrusion from moving further inland is a top priority for the District, community, and the State. This \$2 million dollar grant (maximum amount for the grant award) is timely and extremely useful in supporting studies that are currently underway (such as water quality testing, groundwater modeling, and environmental review) and furthering knowledge around groundwater recharge.

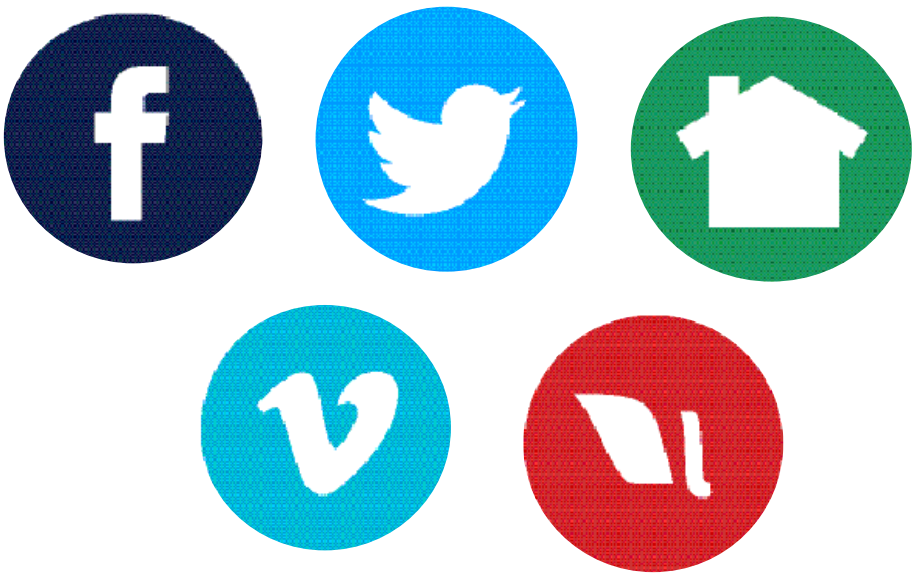
"The award of this grant illustrates the state's recognition of the crucial work we're doing to protect the groundwater basin and our focus to make the most efficient use of ratepayers' money by leveraging it with state funding."
-Ron Duncan, District GM

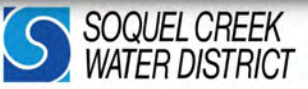
Next steps include release of the draft Environmental Impact Report in late Spring 2018. This will include a 45-day review period for public input and comments. No project will be decided on until the CEQA process is completed. For more information visit soquelcreekwater.org.

Remembering Laura Brown District GM from 1995-2012

On December 23, 2017, Laura Brown, District General Manager from 1995-2012, passed away. Laura was a high quality professional, an unwavering dedication to the practice of lead by example, and a satisfaction within the employee relationships within the community. She was one of the greatest gifts to the District. We are immensely grateful for the construction of both the Well. We are immensely grateful for the construction of both the Well. We are immensely grateful for the construction of both the Well.


JAN-MARCH 2018 www.soquelcreekwater.org



**SOQUEL CREEK WATER DISTRICT**

[Pay Bill Online](#) [Events](#) [Contact SoCWD](#)

[Customer Service](#) [Our Water](#) [Conserving Water](#) [Construction](#) [Who We Are](#)



Our Community Water Plan serves as the District's roadmap to meet our goal of sustainability by 2040.

[Learn more about the Plan and the four options we're considering](#)


How do I...

- [Pay My Bill?](#)
- [Conserve Water?](#)
- [Find Board Agendas and Minutes?](#)
- [Learn About the Groundwater Emergency?](#)
- [Learn about the Community Water Plan?](#)
- [Apply for Rebates?](#)
- [Get FREE Water Saving Fixtures?](#)
- [Apply for a District Job?](#)
- [Report water waste or leaks?](#)

Join our Newsletter

Email Address *

First Name

**PUBLIC SAFETY**

Upcoming Events

Mar 3 2020 - 6:00pm
[Board Meeting](#)

Mar 11 2020 - 9:00am
[PUBLIC HEARING NOTICE](#)

Mar 17 2020 - 6:00pm
[Board Meeting - CANCELLED](#)

Apr 7 2020 - 6:00pm

Important News

[For the Love of...Music and Water!](#)
February 2020

The month of February brings thoughts of Valentine's Day, and love...and also of cold weather, rain, clouds, and the ideal day staying home where it's warm and dry

#inthistogether Campaign



A sustainable and drought-free water supply is essential for preserving and promoting economic vitality throughout Santa Cruz County. For these reasons the business community is deeply supportive of the Pure Water Soquel Project.

Robert Singleton
*Executive Director,
Santa Cruz County Business Council*

 **#InThisTogether**



Salt water intrusion is destroying agricultural land along the coast. I've experienced it in my field where we grew heather for many years. The well that provided irrigation water became contaminated and the field is no longer suitable for farming. It is not too soon to address the problem and to begin protecting valuable farm lands.

Pete Cartwright
Long term resident of La Selva Beach

 **#InThisTogether**



"We are proud to be water stewards of conserving, recycling, and protecting the environment and creating a thriving community."


Toni Castro and Carrie Arnone
Capitola Soquel Chamber of Commerce

 **#InThisTogether**




Protecting our Water Supply for Future Generations.

 **#InThisTogether**



The problem of saltwater intrusion and ongoing overdraft must be addressed. I am pleased the water District is responding to this serious issue before it is a full-scale crisis.

Craig Wilson
*Public Safety Officer &
District Customer*

 **#InThisTogether**

Elected and Key Officials to Attend Tours and Conferences



Convened Independent Technical Advisory Panel

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Pure Water Soquel Groundwater Replenishment Project



SOQUEL CREEK WATER DISTRICT

The Soquel Creek Water District (District) relies entirely on groundwater to meet its customers' needs.

The sustainable yield of the District's aquifer is 2,900 acre feet per year (AFY). A sustainable yield is defined as the maximum amount of water that can be withdrawn from an aquifer while maintaining a balance between the water that is pumped out and the water that flows into the aquifer (recharges) from runoff and precipitation.

In the past, the District pumped up to 6,000 AFY from the aquifer. By using aggressive conservation measures, the District has reduced pumping to 3,000 AFY. Although this is an improvement, it is still unsustainable.

About the Project
The District faces challenges in ensuring that its customers have access to a safe, high-quality water supply. In addition to water used by the District, the groundwater basin is pumped by thousands of private well owners. The combined pumping overdrafts the aquifer and allows seawater to seep into the basin at both ends of the district.

To achieve a sustainable yield, the District must reduce total pumping and reverse saltwater contamination of the aquifer. Purified water from the Project will be put into the groundwater basin, thereby alleviating overdraft and seawater intrusion.

The Pure Water Soquel Groundwater Replenishment Project (Project) will replenish groundwater and prevent seawater intrusion into the groundwater basin. The Project will use advanced treatment processes to purify municipal wastewater from the City of Santa Cruz. The purified water will be injected through recharge wells to replenish the aquifer and create a seawater intrusion barrier to protect the aquifer. You can read more in this [information sheet](#) that was published by the District.

About the Panel
In 2016, an NWRI Independent Expert Advisory Panel was formed to review the Pure Water Soquel Project. The Panel provided expert peer review of the technical, scientific, and regulatory aspects of the Project.

The Panel had a conference call meeting on February 27, 2017. The District's Project Team gave the Panel an overview of the Project, and the Panel asked detailed questions. The Panel issued a [report](#) on their findings and recommendations based on the meeting.

The second Panel meeting on September 20, 2017, was open to the public at Capitola City Hall. At the meeting, The District's Project Team presented an overview of the Project. The Panel responded to written questions that were submitted by local community members. You can watch a [video](#) of the public meeting.

After the second meeting, the Panel drafted a [report](#) of their findings and recommendations.

Links
[Information Sheet from Soquel Creek Water District](#)
[Panel Report for Meeting 1](#)
[Panel Report for Meeting 2](#)
[Video of Meeting 2](#)

National Water Research Institute
18700 Ward St., Fountain Valley, CA 92708 • [email us](#)

We are a 501c3 nonprofit organization that works to ensure safe, reliable sources of water now and for future generations.

Santa Cruz Sentinel

WATER UTILITIES

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National expert panel gives Soquel Creek recycled water plan thumbs up

By [Jessica A. York](#), Santa Cruz Sentinel

POSTED: 12/18/17, 7:50 PM PST

UPDATED: ON 12/18/2017

1 COMMENT

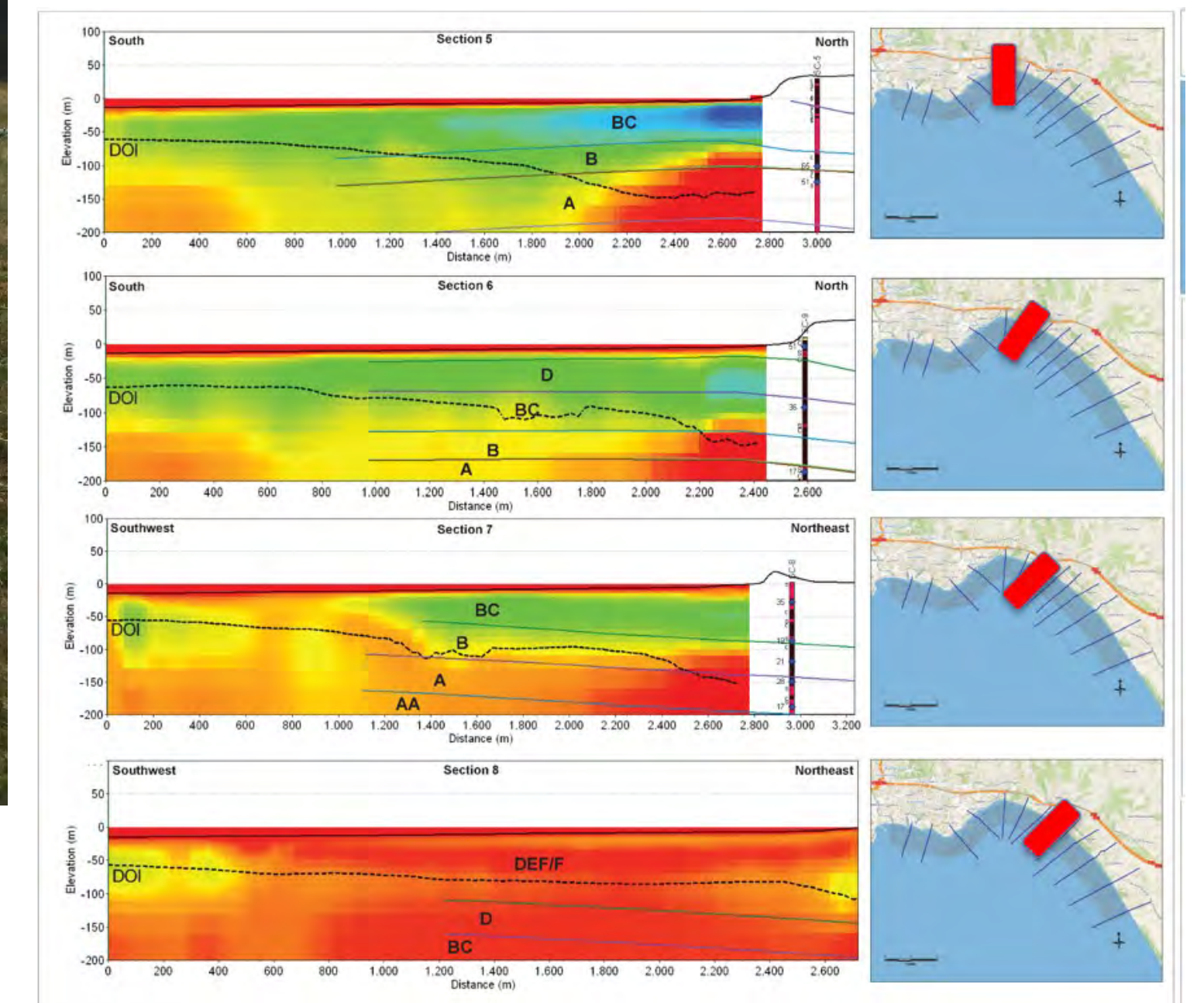
SOQUEL >> Soquel Creek Water District's proposal to purify wastewater and inject it

If you go

Created a Mobile Education Trailer

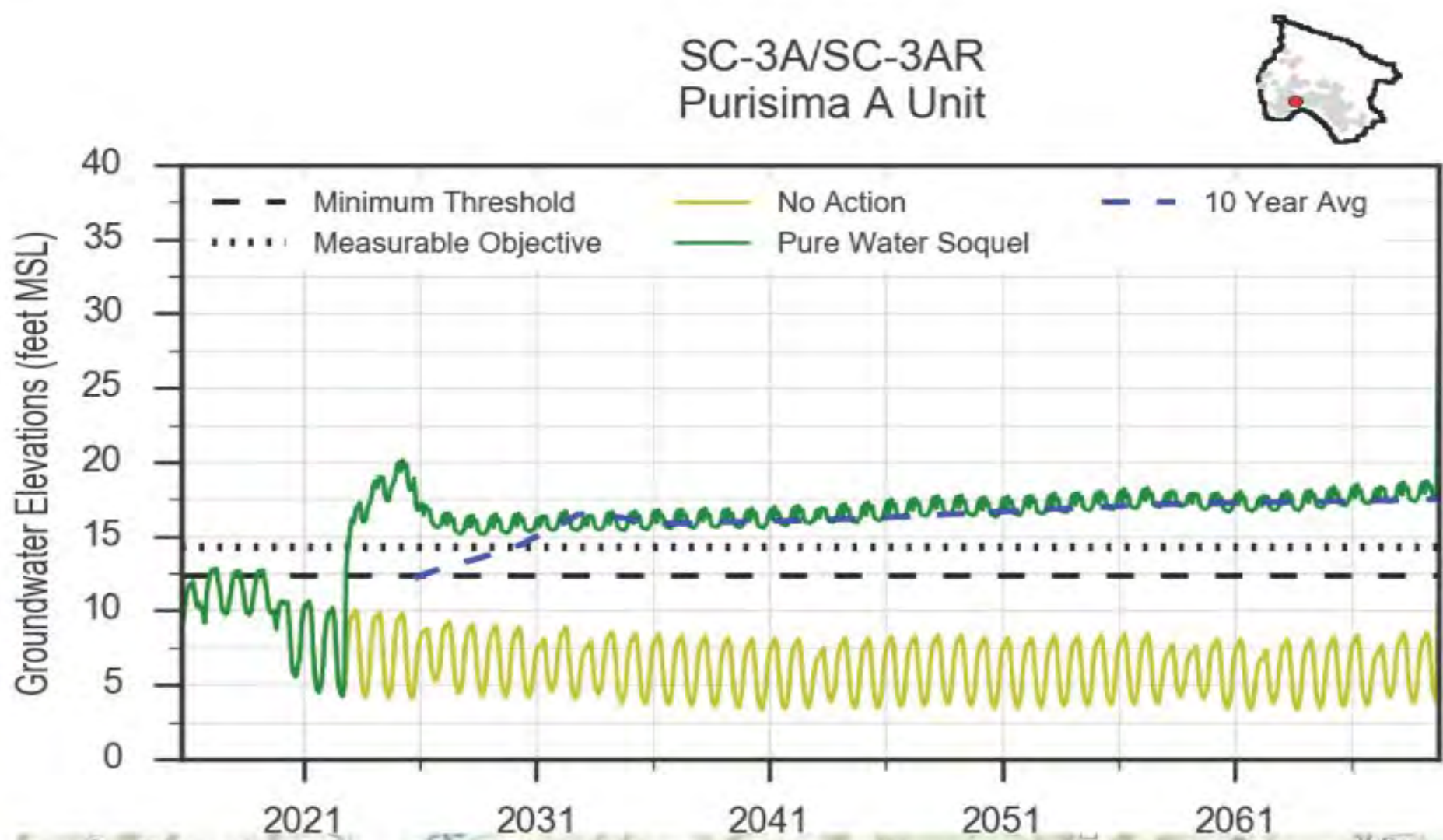
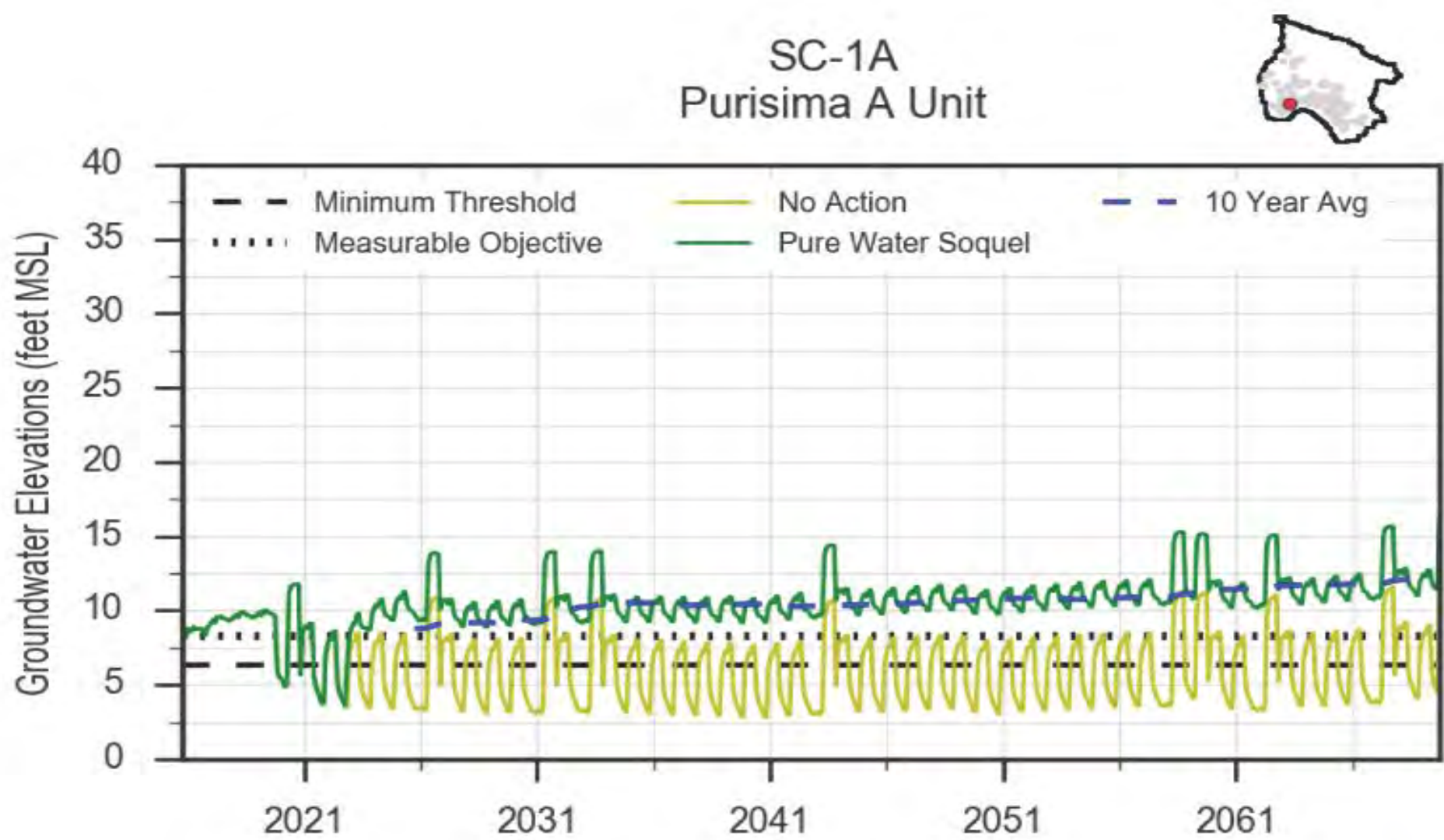


Data and Science: Salt-Fresh Water Interface Study

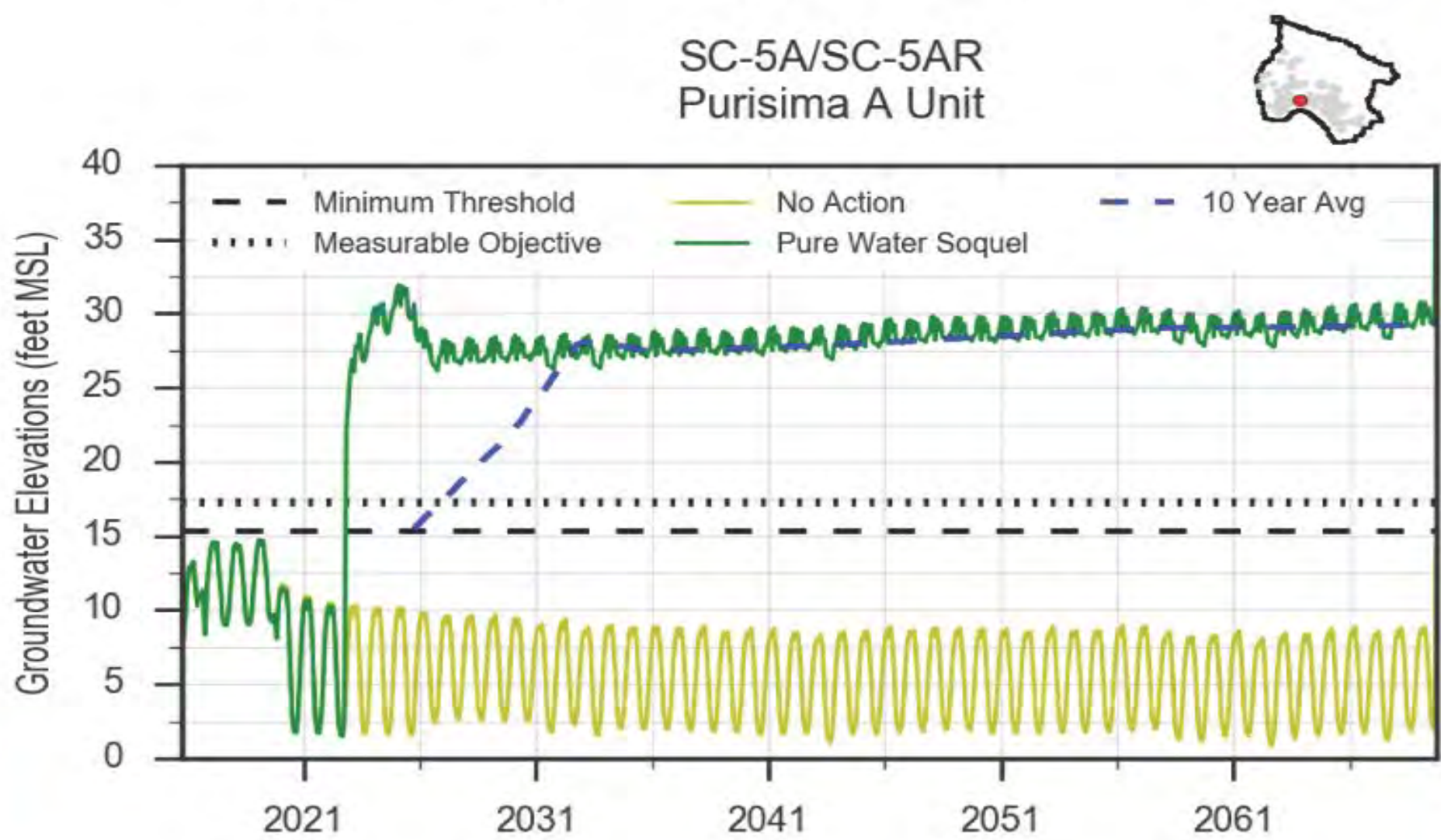


SkyTEM and Ramboll took a geophysical survey of the groundwater basin along the shore to map the freshwater/seawater interface.

Data and Science: Groundwater Modeling



PWS
10 Yr Avg
Baseline

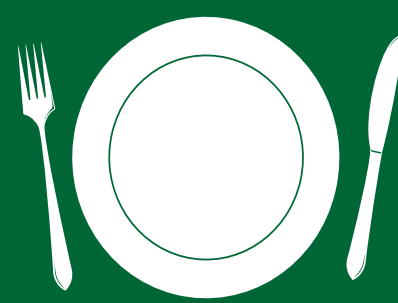


Data and Science: Economic Impacts Analysis

\$903M
Total Economic Benefit



RESIDENTIAL

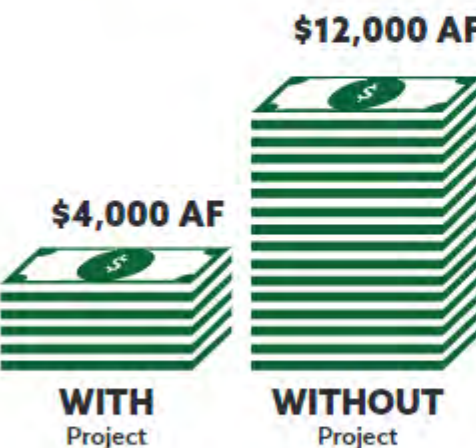


BUSINESS



ENVIRONMENTAL

HIGHER COST
OF WATER
TO CUSTOMERS*



725
JOB LOSSES



2,100
LESS HOMES
BUILT



Dr. Brent Haddad

Associate Dean of Engineering for Technology Management and Professor of Environmental Studies



Center for Integrated Water Research



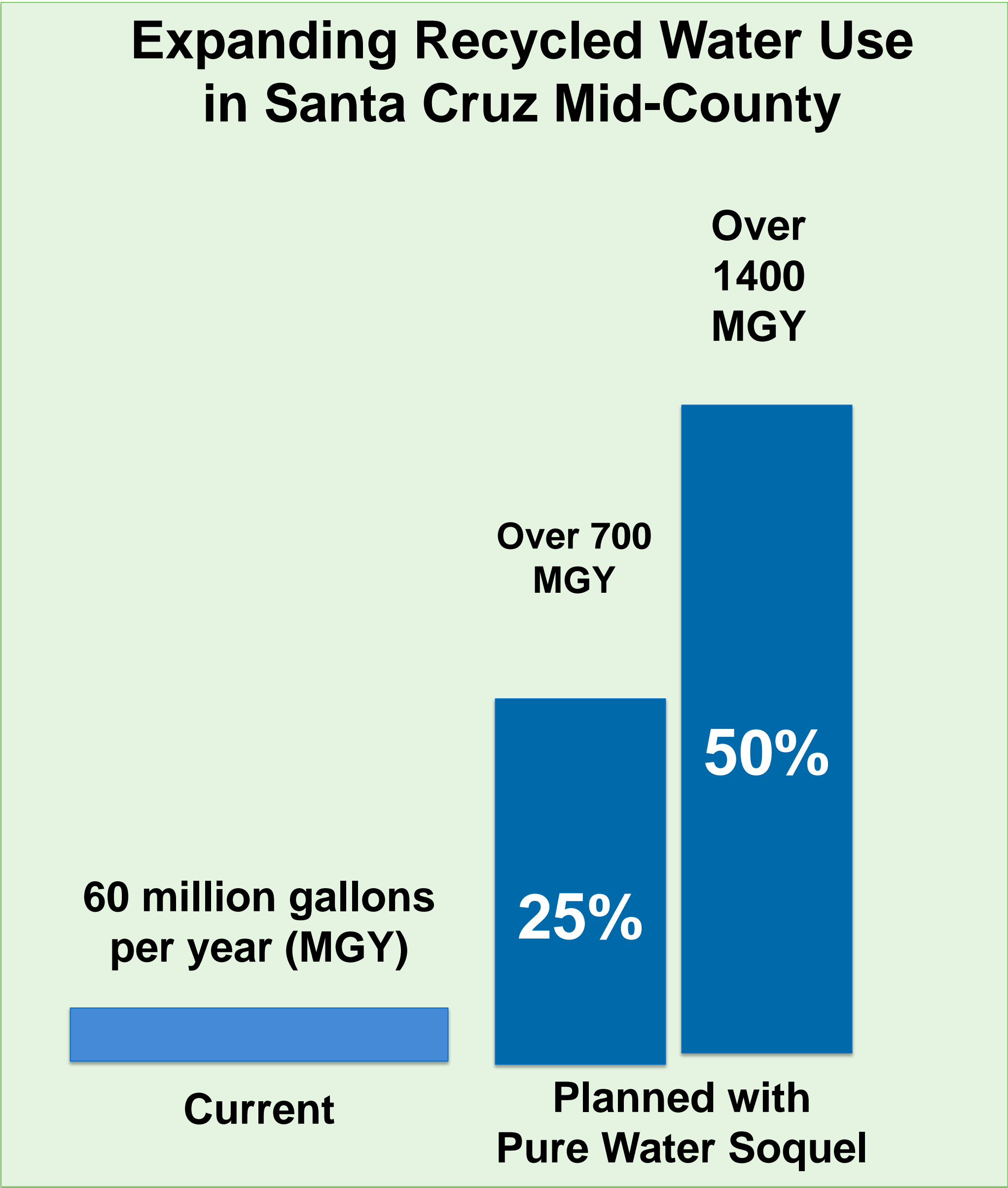
UNIVERSITY OF CALIFORNIA
SANTA CRUZ

*Cost without project based on pricing alone
Source—Technical Memorandum: Estimating Benefits of the Pure Water Soquel Project, by Brent Haddad, Ph.D. and Bryan Pratt, D.Cand.

Protecting the Bay: Reducing Ocean Discharge



On average, **~8 million gallons per day** of treated wastewater currently goes out into the Monterey Bay National Marine Sanctuary



We Sought Community Input

Customers are comfortable with purified recycled water



Support **investment in infrastructure** to ensure a safe, reliable water supply



Support taking **strong action now** to address the issues of over-drafting and seawater contamination of the local groundwater



Are **comfortable** with **Pure Water Soquel**



Small but
mighty

Agency and Community Support



AGREEMENT
BY AND BETWEEN SOQUEL CREEK WATER DISTRICT
AND THE CITY OF SANTA CRUZ
REGARDING SOURCE WATER, DESIGN, CONSTRUCTION, START-UP AND OWNERSHIP
OF
THE TERTIARY FACILITY COMPONENT OF THE PURE WATER SOQUEL PROGRAM

This AGREEMENT ("AGREEMENT") is entered into and made effective this 19 day of July 2019 (the "effective date"), by and between Soquel Creek Water District (DISTRICT) and the City of Santa Cruz, a municipal corporation ("CITY"), together sometimes referred to herein as the PARTIES.

RECITALS

- A. The CITY owns and operates a regional wastewater treatment facility ("WWTF") that provides wastewater treatment and disposal services to the City of Santa Cruz, Santa Cruz County Sanitation District (including Live Oak, Soquel, Capitola and Aptos areas) and disposal services to the City of Scotts Valley; and
- B. Wastewater generated by development in the service area of the DISTRICT is conveyed through facilities owned and operated by the Santa Cruz County Sanitation District to the CITY WWTF for treatment and disposal, making the CITY's wastewater facility a regional asset for the treatment of wastewater; and
- C. The WWTF pumps approximately on average eight (8) million gallons per day of

**Community Water Plan and
Advanced Water Purification Project
Statements of Support**

☒ I support the Community Water Plan and the long-range planning and action-oriented efforts by Soquel Creek Water District to create and maintain a safe, reliable and sustainable water supply for the community it serves and environmental stewardship of protecting the Santa Cruz Mid-County Groundwater Basin.

The Community Water Plan reinforces the District's commitment for continued water conservation and proactive groundwater management while recognizing that new sources of water are needed to protect groundwater resources from further seawater intrusion and meet the needs of our community.

☒ I support the efforts of the District in evaluating and pursuing an Advanced Water Purification Project.

Provide us your name to be added to our official list of supporters. You will occasionally receive emails with program updates.

Name: Farrell Hibble John Hibble
Signature: Farrell Hibble John Hibble

Program Team Support and Implementation



BLACK & VEATCH



Regional Benefits of Pure Water Soquel **Align with Community Values**



Reduces Discharge into the Ocean by 25%



Uses Green Energy



Provides a Seawater Intrusion Barrier



Promotes Economic Vitality



Reliable and Drought-Proof Water Supply



Produces High Quality Water



Can be Accomplished Soon



Can be Scaled-Up

Naming the Project and Creating a Logo

In 2016, the name Pure Water Soquel was selected. In 2020, the Butterfly Logo was designed.



The new PWS logo with the butterfly has many symbolic representations.

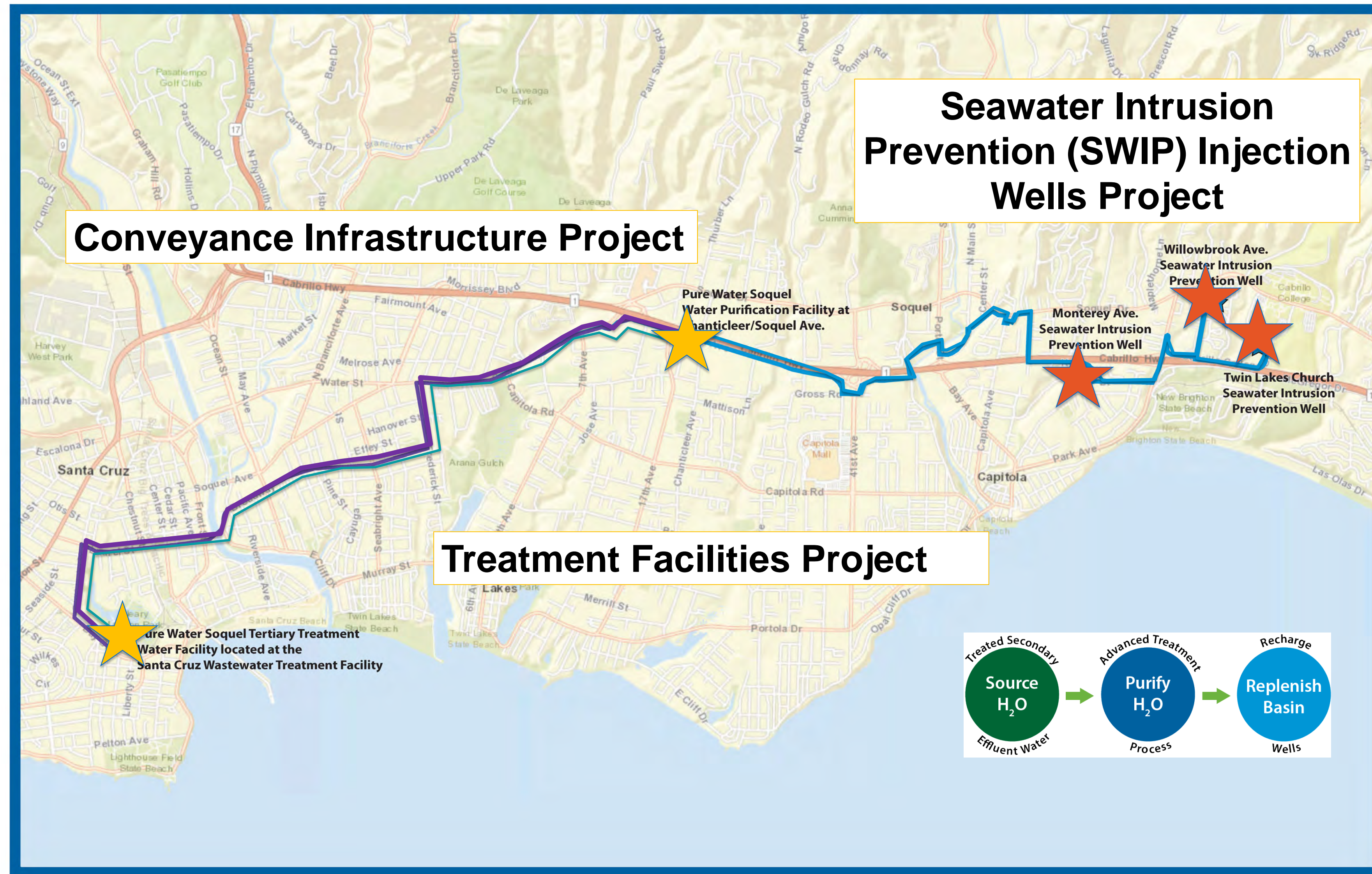
Butterflies represent transition, endurance, change, hope, and life.

The PWS Project is like a butterfly.

- The PWS Project will transition and change the District's sole source of supply from an overdrafted groundwater basin.
- PWS will give the groundwater basin the endurance it needs to prevent further seawater intrusion which in turn gives us hope for a sustainable water supply for future generations. And, of course, water also represents life like a butterfly.
- The butterfly also represents the regional aspect of the PWS Project since they are special here in Santa Cruz County.
- And lastly the middle wing looks like a water drop symbolizing the water we are producing to protect our groundwater basin.

2013-2014	2015	2016	2017	2018
<p>scwd² Desalination Program put on hold</p> <p>Water Supply Option Re-Evaluation</p> <ul style="list-style-type: none">Conducted 13-month public process. <p>State Mandate</p> <ul style="list-style-type: none">California passes Sustainable Groundwater Management Act which requires local Basin to be sustainable by 2040. 	<p>Initiate on-going Public Engagement and Project Evaluation</p> <ul style="list-style-type: none">Develops Community Water PlanThrough public process and input, Board directs staff to further evaluate recycled water, in addition to desalination and surface water. 	<p>Technical, Environmental Analysis, and Partnerships</p> <ul style="list-style-type: none">Completes feasibility studyCommissions National Water Research Institute to provide oversightKick off Environmental ReviewWork with the City and County of Santa Cruz 	<p>Data and Science</p> <ul style="list-style-type: none">Develop groundwater modelConfirm seawater intrusion with aerial geophysical mappingConducted pilot testing of water recycling with micro-filtration at SCWWTF  	<p>Project Approval</p> <ul style="list-style-type: none">Conducted pilot testing of groundwater replenishmentEnvironmental Impact Report certified.Project approved to move forward with design and permittingReceived \$2M Grant through Prop 1 Groundwater Program 

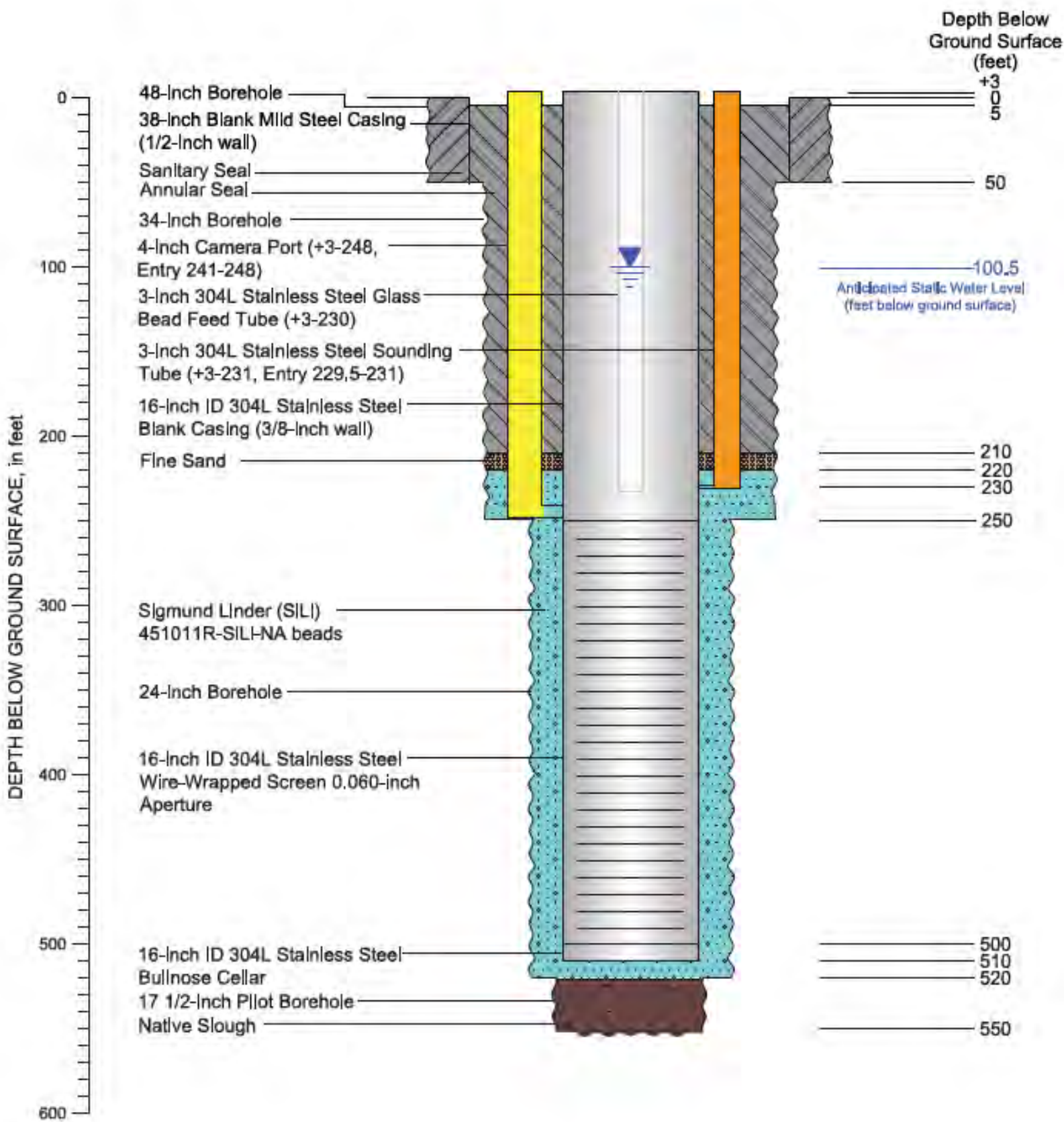
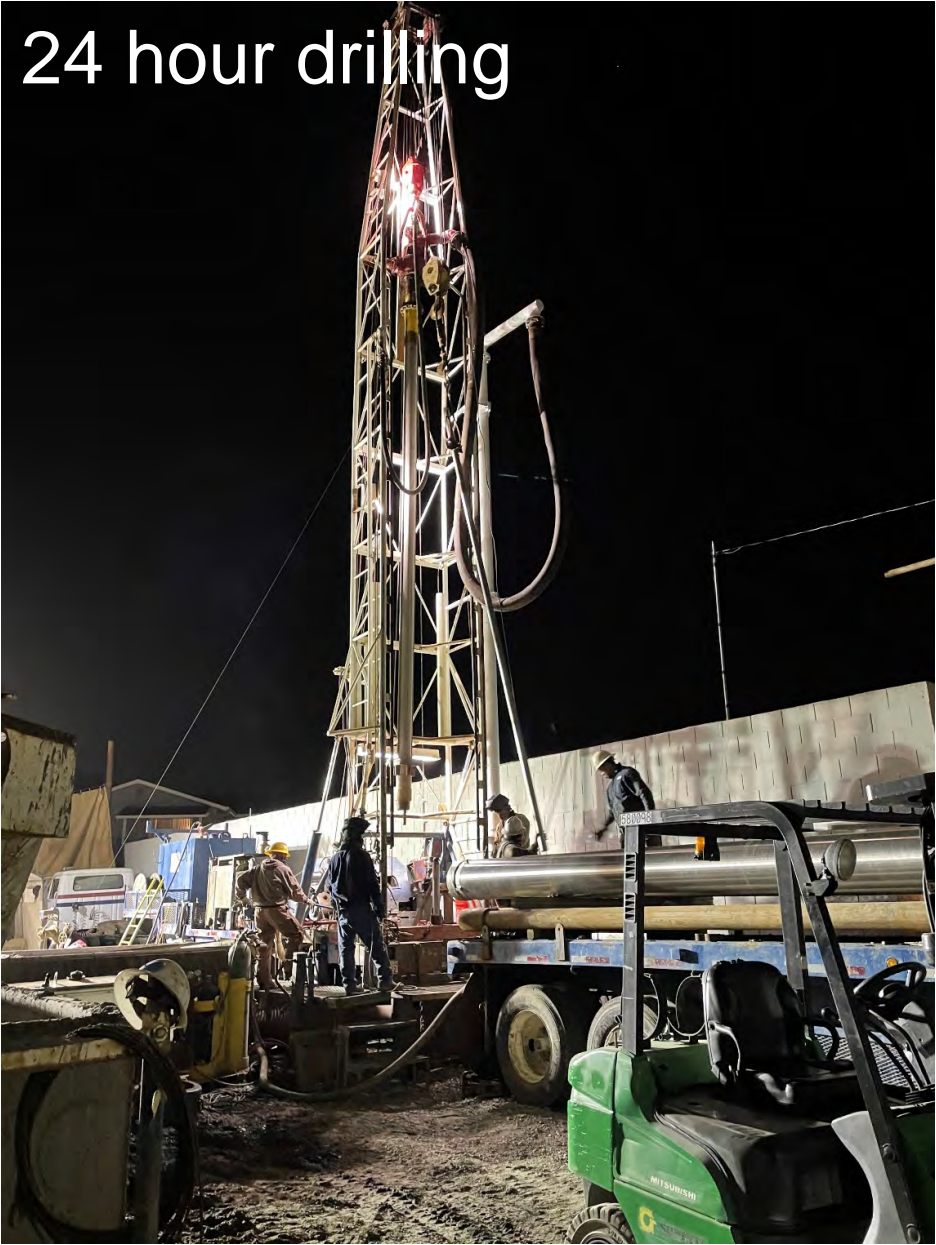
Pure Water Soquel Overview



1,500 acre-feet per year of purified water to be produced. Expandable in the future to 3,000 acre-feet per year

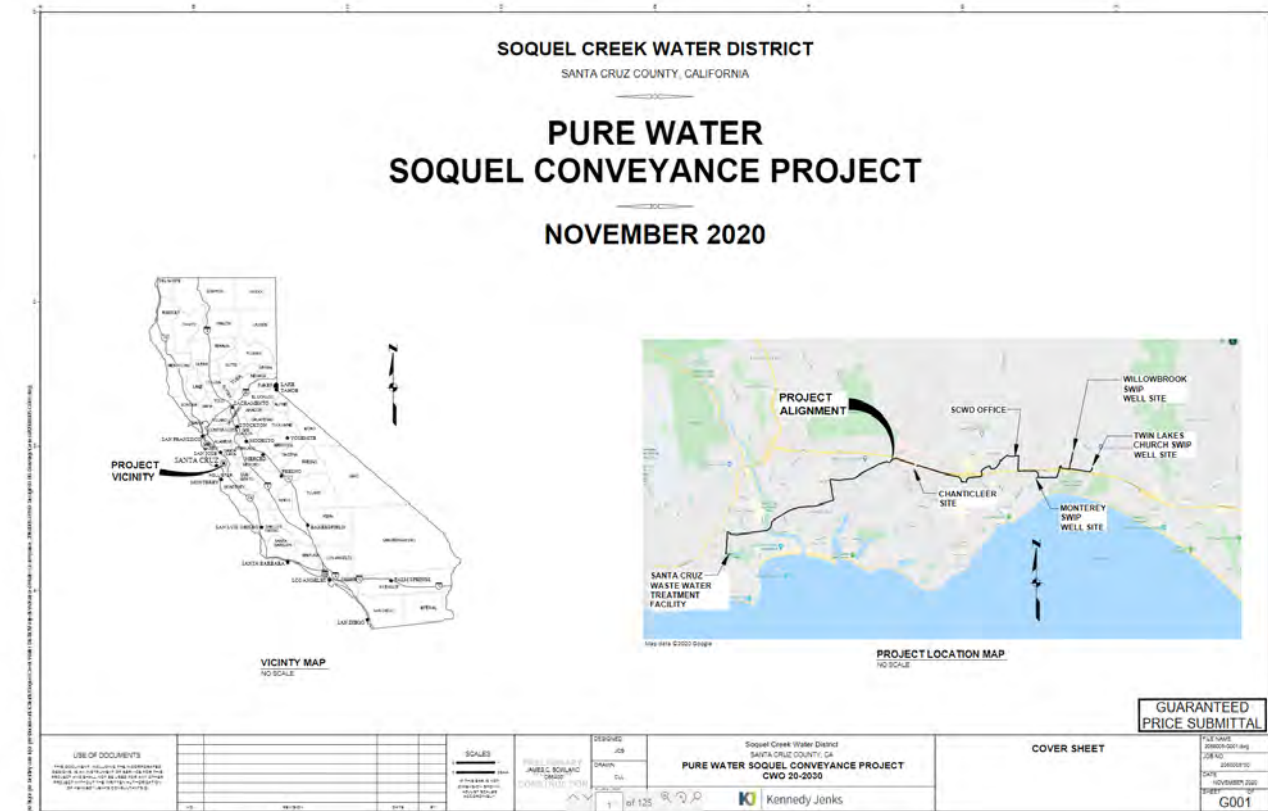
Seawater Intrusion Prevention (SWIP) Wells Project

Construction: July 2020 –December 2022



Conveyance Project

Construction: May 2021-January 2023



Conveyance Project Kick-off 5/24/21



A3 LOCAL NEWS

Tuesday, May 18, 2021 » MORE AT FACEBOOK.COM/SCSENTINEL AND TWITTER.COM/SCSENTINEL

santacruzsentinel.com

PURE WATER SOQUEL

Construction of 8 miles of pipeline to begin May 24

By Hannah Hagemann
hhagemann@santacruzsentinel.com

SANTA CRUZ » The construction of 8 miles of water pipeline that will serve as life-blood for the Pure Water Soquel Project, is set to begin on May 24 in Santa Cruz.

Three distinct components of building are set to take place during the next several months.

From late May until June 15 crews will work around California Street, from the Santa Cruz Wastewater Treatment Facility to Laurel Street. After that, and until around July

6, construction will take place on Laurel Street to Chestnut Street.

The third scheduled construction phase will run from July 6 through Aug. 12 on Chestnut to the west end of the Laurel Street Bridge.

The project, aims to address seawater intrusion occurring in the Santa Cruz Mid County Groundwater Basin, and the issue of overdraft, as mandated by the State Water Resources Control Board. That means more water is being used and drawn out in the underground reservoir, than replenished.

The basin is the only source of drinking water from 41st Av-

enue in Capitola to La Selva Beach.

The Pure Water Soquel project is two-fold: reduce seawater contamination and bolster groundwater levels in the aquifer.

"We are challenged by both drought, and an overdrafted groundwater basin," said Melanie Mow Schumacher, communications manager with the Soquel Creek Water District. "We kind of have that coupled with the fact that we rely on 100% of local water in our county...we're not connected to any state or federal import system," Mow Schumacher said.

Funds to build the water pipe-line are coming out of a \$50 million grant from the State Water Resources Control Board.

The water district has also secured a low-interest loan from the federal EPA, and a grant from the Bureau of Reclamation, according to Mow Schumacher. Construction on the water pipeline portion of the project is slated to continue through the end of 2022, Mow Schumacher said. The seawater intrusion prevention wells, near the Capitola area, are expected to be drilled and completed by June.

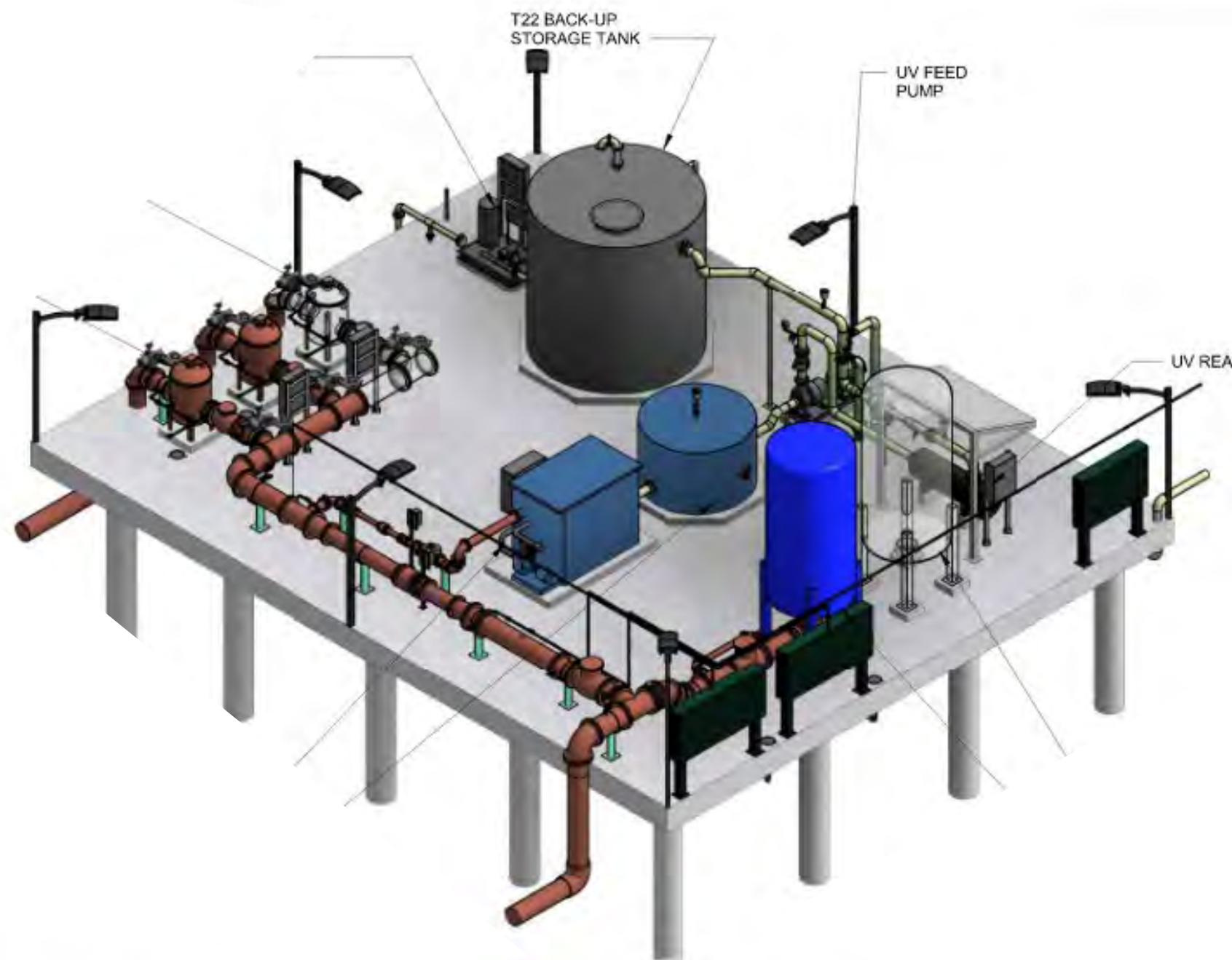
The Pure water project at-large, including the recycled water facility, pump station and water purification center, is scheduled to be completed and up and running by 2025, Mow Schumacher said.

To track construction on Pure Water Soquel Project, residents can follow along online: <https://www.so-quelcreekwater.org/256/Construction-Updates>.

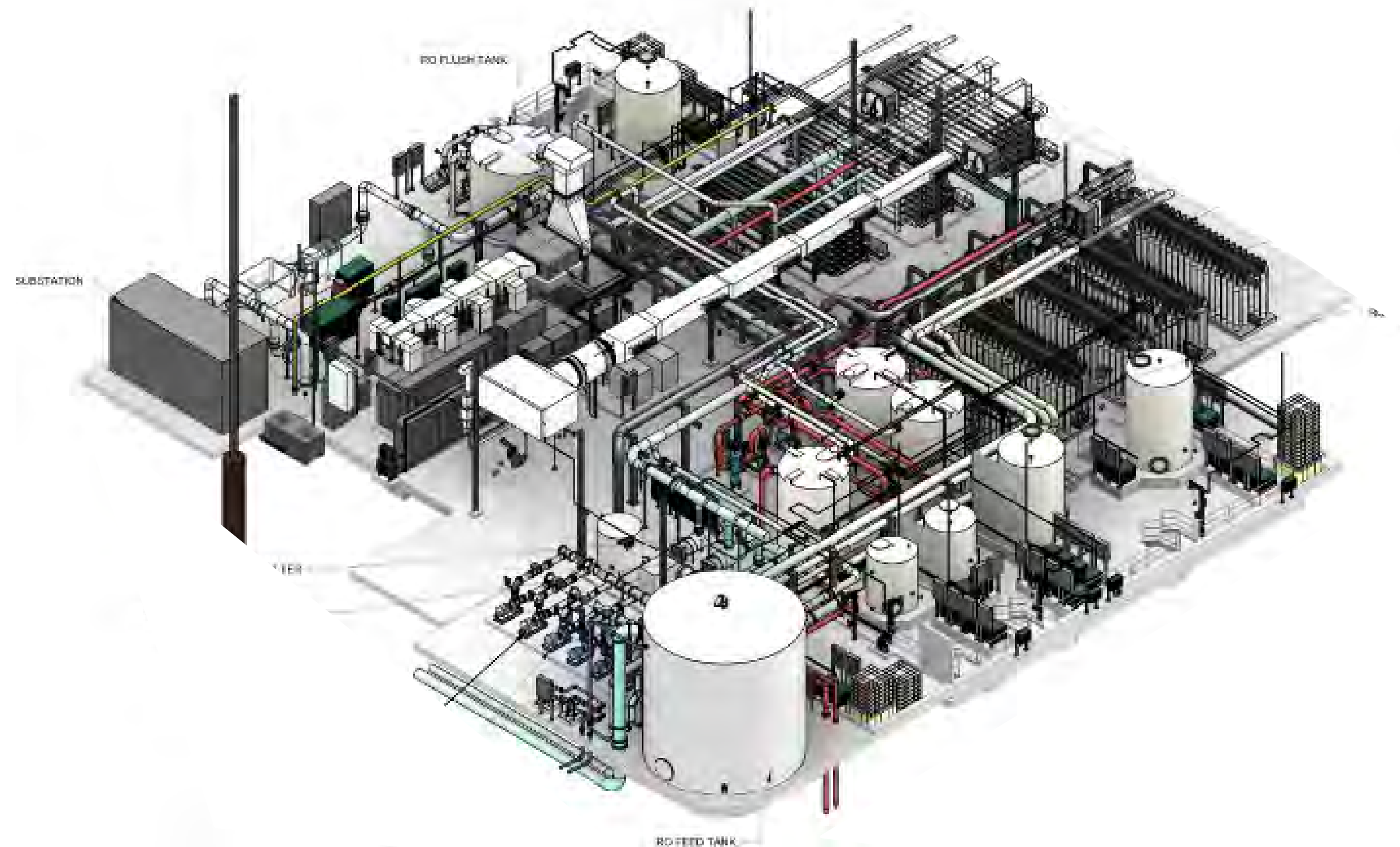
Treatment Facilities Project

Construction: Fall 2021-Spring 2023

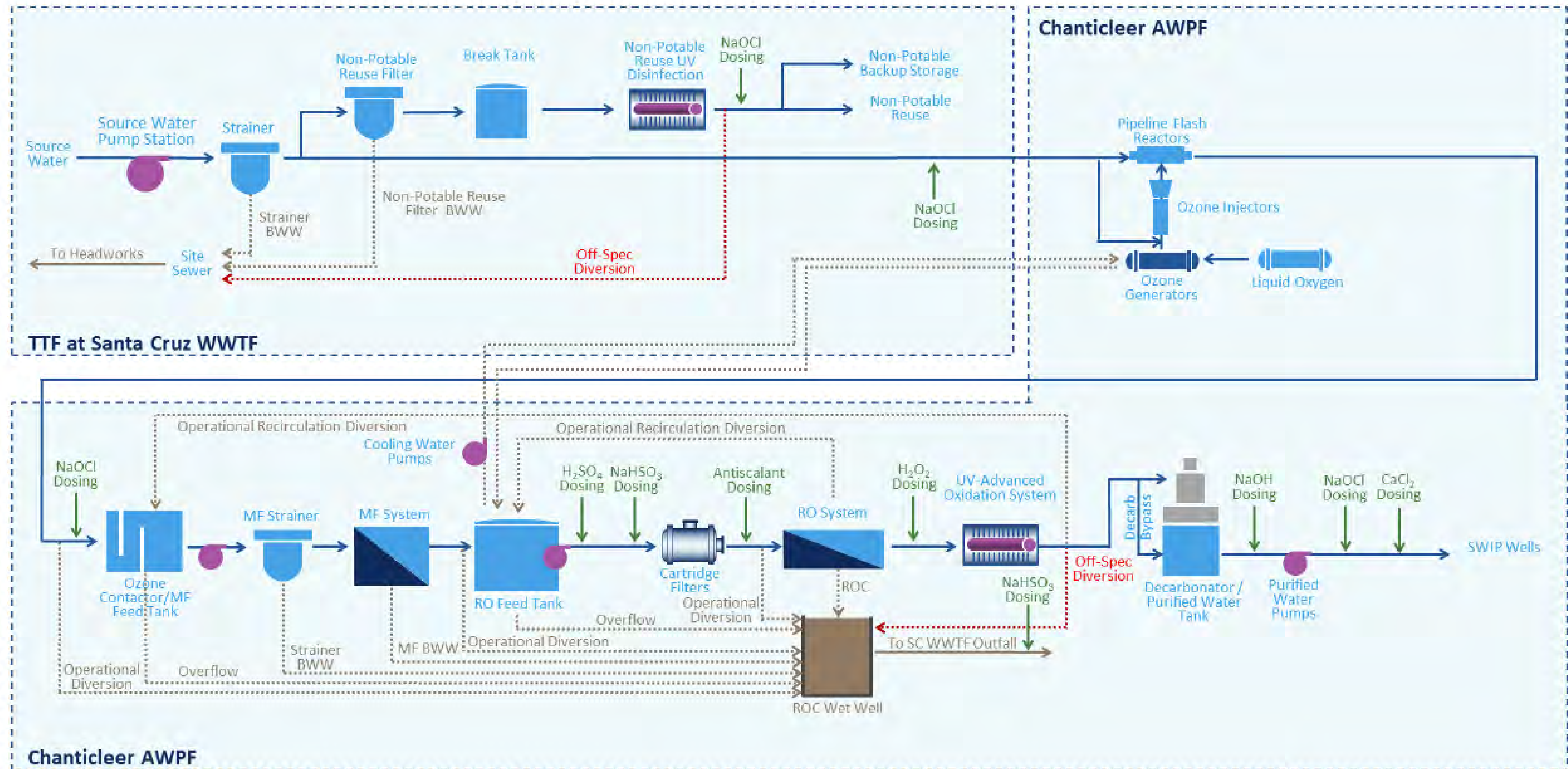
**Tertiary Treatment Facility at
Santa Cruz Wastewater Treatment Facility**



**Water Purification Center
At Santa Cruz Wastewater Treatment Facility**



Treatment Process Flow Diagram for Both Facility Sites



Water Purification Facility- Artist's Rendering



Operational Permits related to Groundwater Replenishment

Reverse Osmosis Concdentrate (ROC) Management

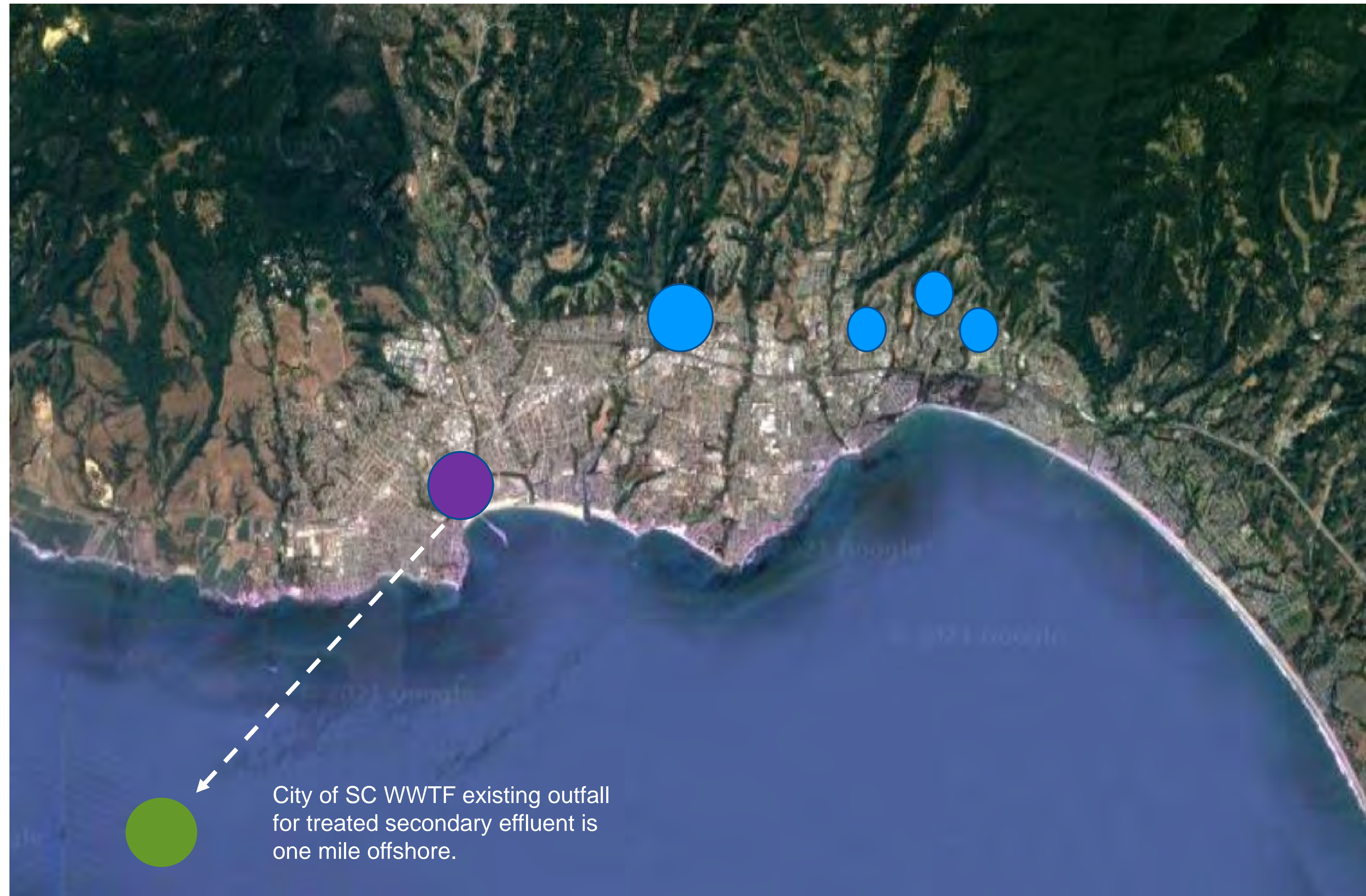
Include Pure Water
Soquel ROC line flows in
City of SC's NPDES
Permit

SC non-potable reuse


Disinfected tertiary
recycled water
facilities at City of
Santa Cruz Wastewater
Treatment Facility

Groundwater Replenishment

WDR/WRR for Seawater
Intrusion Prevention
(SWIP) well recharge and
AWPF facilities



100% Engineering Reports






PUREWater Soquel

DRAFT 100 %






**CITY OF SANTA CRUZ
NON-POTABLE REUSE
ENGINEERING REPORT**

PREPARED FOR





PREPARED BY






PUREWater Soquel

DRAFT 100 %


**PURE WATER SOQUEL
ENGINEERING
REPORT**

PREPARED FOR





PREPARED BY



Financing the Project

Prop 218 Rates

- **Approved Rates** by our ratepayers

Grants

- **Prop 1 Groundwater Grant** through State Water Resources Control Board (SWRCB) - Planning and Implementation
- **Title XVI Water Smart Grants** through US Bureau of Reclamation— Feasibility and Implementation

Low-Interest Loans

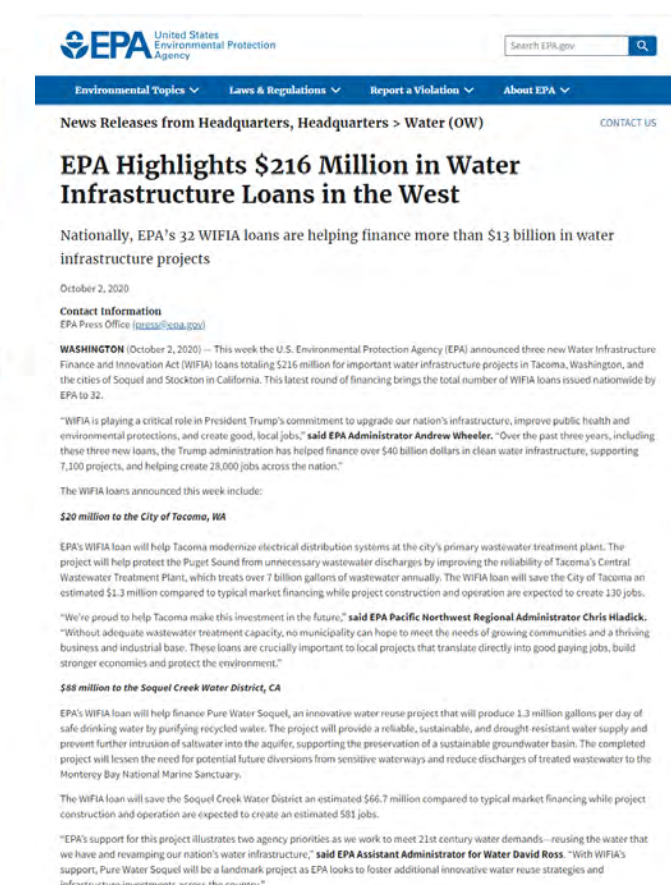
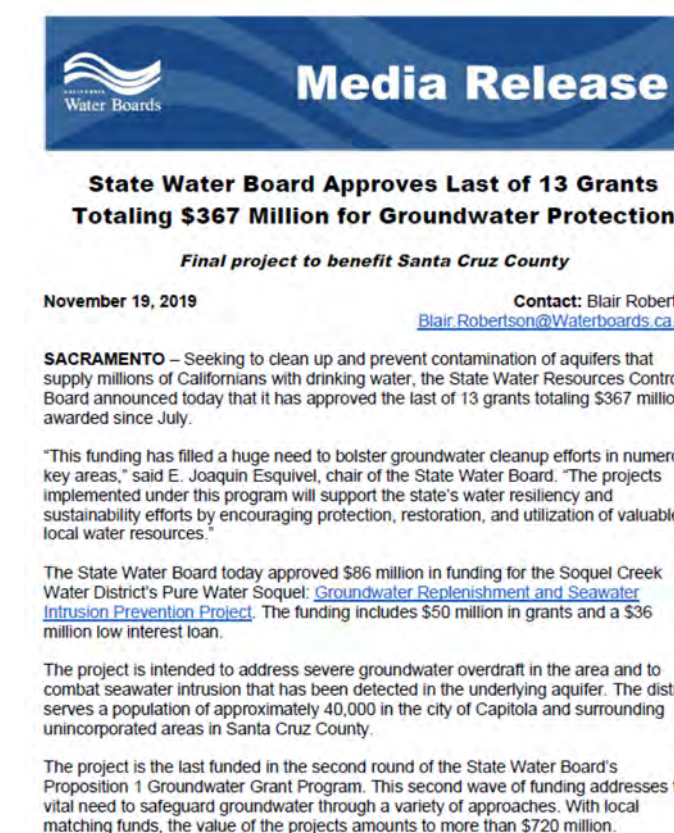
- **Seawater Intrusion Control Loan** through SWRCB
- **WIFIA Loan** through US EPA

Interim Financing

- **Revolving Line of Credit** through CoBANK

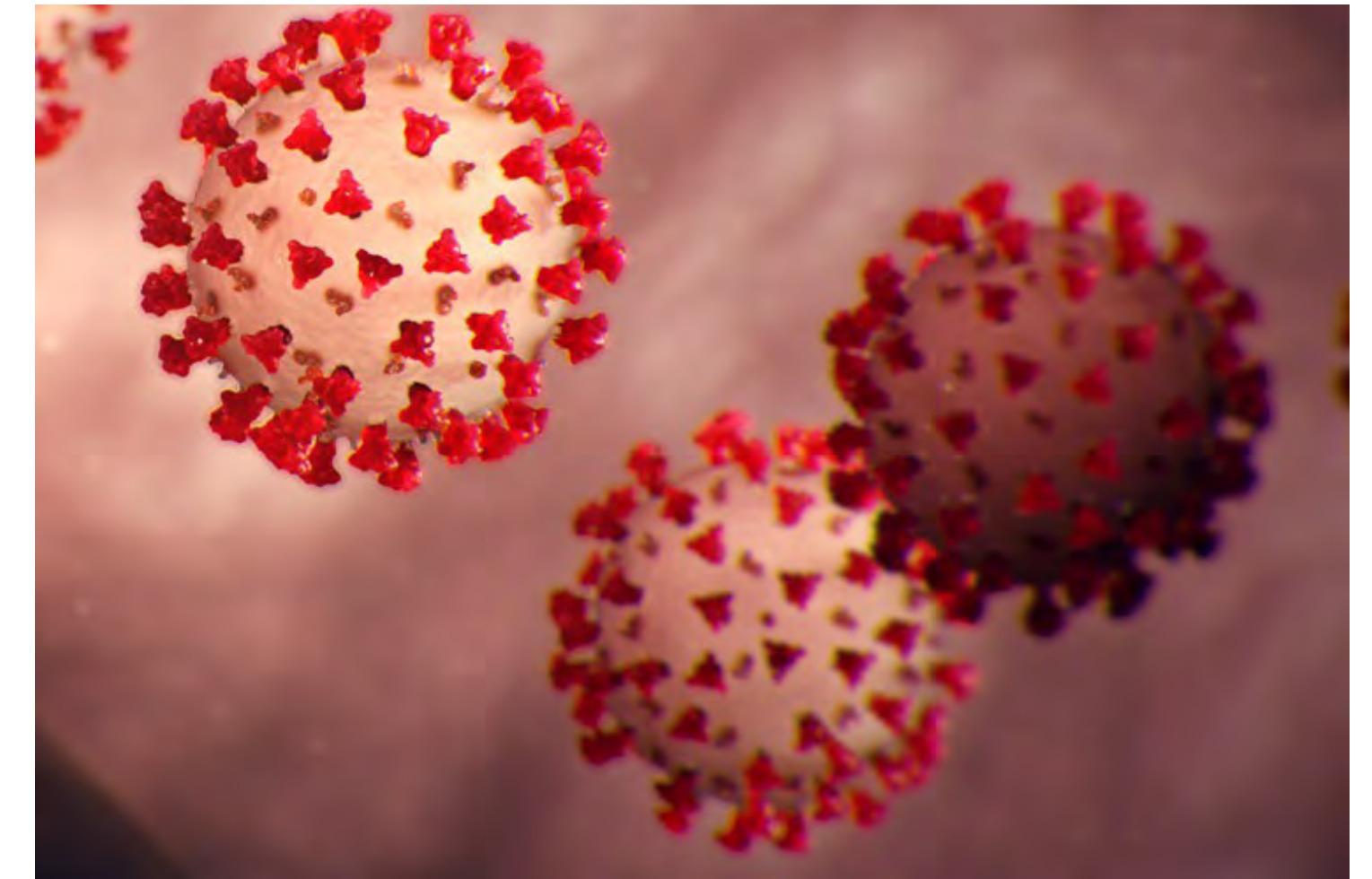


— BUREAU OF —
RECLAMATION





Recognizing and Overcoming Challenges



Favorite Books

The Leadership Challenge – by Kouzes and Posner



The Five Practices of Exemplary Leadership®	Ten Commitments
Model the Way	<ul style="list-style-type: none">• Clarify values by finding your voice and affirming shared ideals.• Set the example by aligning actions with shared values.
Inspire a Shared Vision	<ul style="list-style-type: none">• Envision the future by imagining exciting and ennobling possibilities.• Enlist others in a common vision by appealing to shared aspirations.
Challenge the Process	<ul style="list-style-type: none">• Search for opportunities by seizing the initiative and by looking outward for innovative ways to improve.• Experiment and take risks by constantly generating small wins and learning from experience.
Enable Others to Act	<ul style="list-style-type: none">• Foster collaboration by building trust and facilitating relationships.• Strengthen others by increasing self determination and developing competence.
Encourage the Heart	<ul style="list-style-type: none">• Recognize contributions by showing appreciation for individual excellence.• Celebrate the values and victories by creating a spirit of community.

The Infinite Game – by Simon Sinek



“When we play with a finite mindset in the infinite game, we hurt trust, we hurt cooperation, and we hurt innovation.”
–Simon Sinek

TO LIVE OUR LIVES WITH AN INFINITE MINDSET
MEANS THAT WE ARE DRIVEN TO ADVANCE
A CAUSE BIGGER THAN OURSELVES.

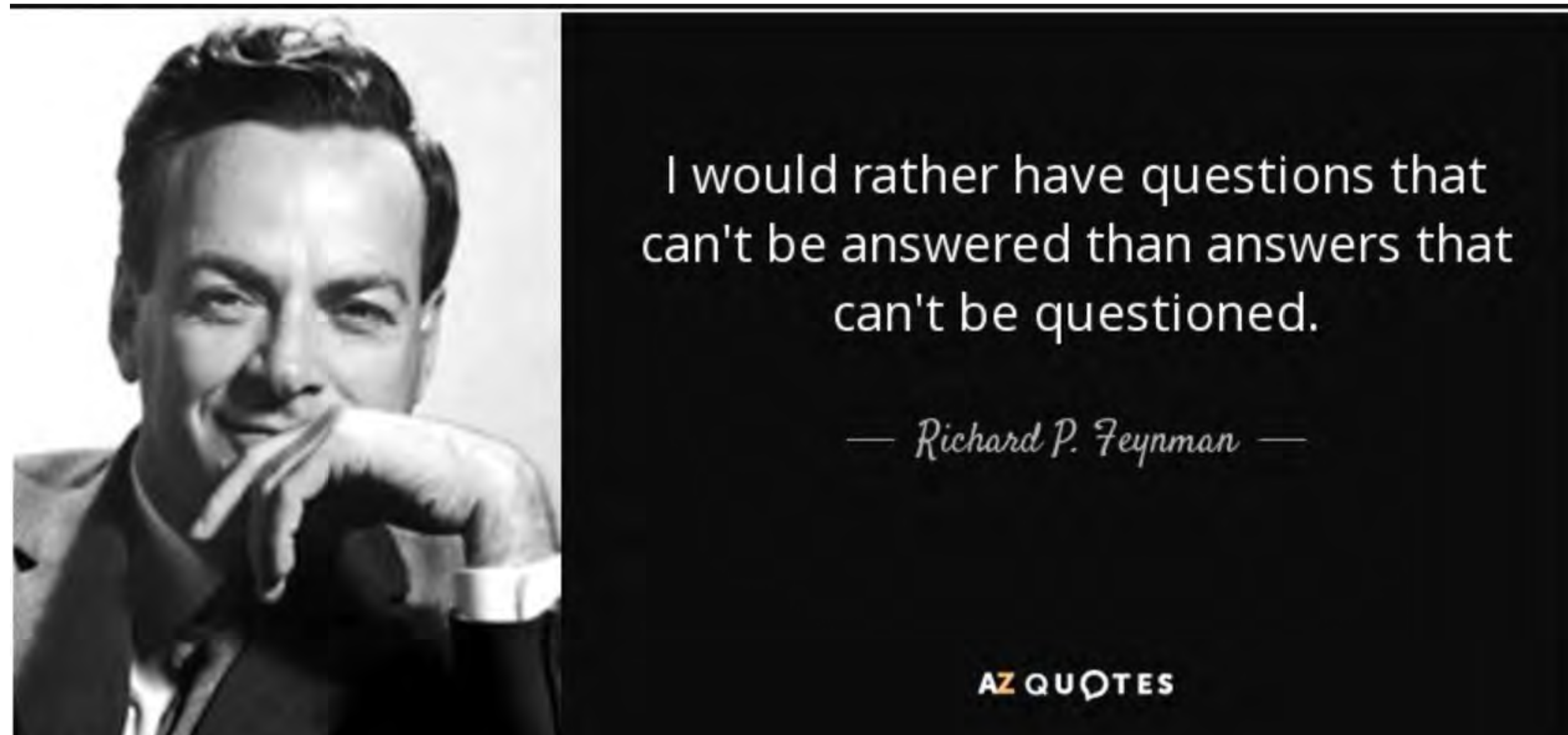
Simon Sinek



**"SURROUND YOURSELF ONLY
WITH PEOPLE WHO ARE
GOING TO TAKE YOU HIGHER."
- OPRAH WINFREY**



**"IF YOU'RE NOT
MAKING MISTAKES,
THEN YOU'RE NOT
DOING ANYTHING.
I'M POSITIVE THAT
A DOER MAKES
MISTAKES."
John Wooden
ADDICTED2SUCCESS.COM**



I would rather have questions that
can't be answered than answers that
can't be questioned.
— *Richard P. Feynman* —

AZ QUOTES

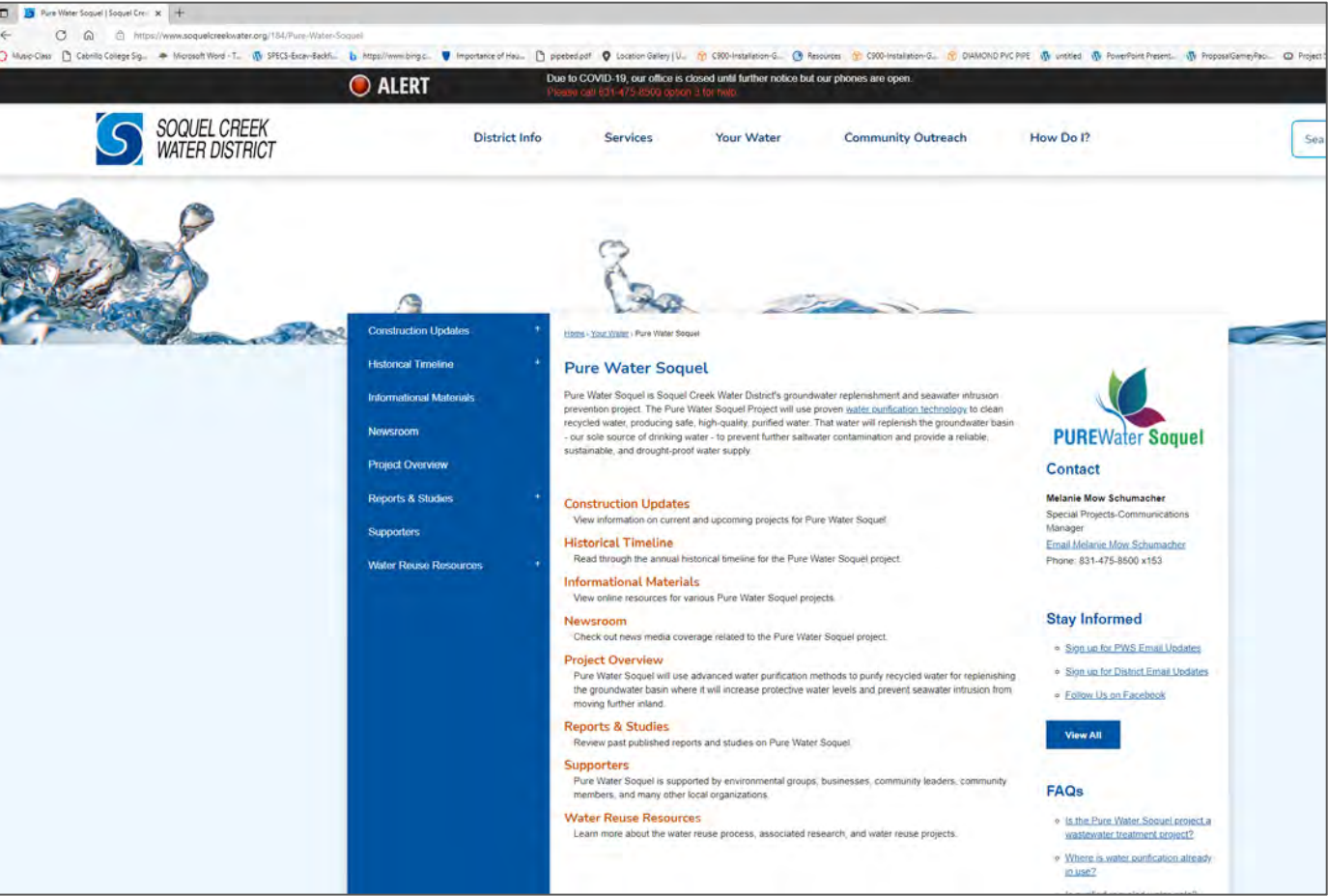


**ALWAYS
PASS
ON WHAT
YOU HAVE
LEARNED.
-YODA**


KEEP INSPIRING ME

Ways to Stay Informed

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Last Name

Address

Street Address

Address Line 2

CityState/Prov/RegionPostal/Zip

USA

Pure Water Soquel Project Construction

☐ Conveyance (pipelines)

☐ Seawater Intrusion Prevention (SWIP) Wells

☐ Recycled Water Facility

☐ Purified Water Center



Schedule a Presentation

[Home](#) > [Community Outreach](#) > [Outreach](#) > [Speakers Bureau](#)

Speakers Bureau

Do you have an upcoming meeting where your members may be interested in learning about our mid-county water issues such as groundwater, water reliability, water conservation, and long-term actions towards sustainability? We are available to speak to small and large groups. We regularly present to:

- Chamber of Commerces
- Church groups
- Community groups
- HOAs
- Kiwanis clubs
- Neighborhoods
- Non Profit organizations
- Professional organizations
- Rotary clubs
- Schools



Visit Our On-Line Library



Thank
You!!