



MOUND BASIN GROUNDWATER SUSTAINABILITY AGENCY
BOARD OF DIRECTORS MEETING MINUTES

Thursday, October 18, 2018, 1:30p.m.

County of Ventura's Public Works Agency – Saticoy Operations Yard
11251-A Riverbank Drive, Ventura, California 93004

MINUTES

DIRECTORS IN ATTENDANCE:

Kevin Brown, Vice Chair
Jim Chambers
Conner Everts
Mike Mobley, Chair
Glenn Shephard, Treasurer

STAFF IN ATTENDANCE:

Bryan Bondy, Executive Director
Kris Sofley, Clerk of the Board

PUBLIC IN ATTENDANCE:

Dan Detmer, UWCD
Erin Gorospe, UWCD
Burt Havpy
Bruce Kuebler, Ventura River Water District
Neal Maguire, Ferguson Case Orr Paterson LLP
Jennifer Tribö, Ventura Water

CALL TO ORDER 1:32p.m.

Chair Mobley called the meeting to order and led everyone in the Pledge of Allegiance. He then asked if there were any public comments.

1. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON THE AGENDA

None were offered.

2. ROLL CALL

All Directors of the Mound Basin GSA Board of Directors were in attendance as demonstrated by their responses to the roll call.

3. APPROVAL OF AGENDA

Motion

Motion to approve the agenda, Director Everts; Second, Director Shephard. Voice vote: five ayes (Brown, Chambers, Everts, Shephard, Mobley); none opposed; no abstentions. Motion carries unanimously 5/0/0.

5. EXECUTIVE DIRECTOR UPDATE

Mr. Bondy updated the Board and public on a review by the Department of Water Resources (DWR) of the Mound Basin GSA Basin Boundary Modification. He reported

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that DWR is considering adding four small canyons located north of the basin going into the hills, which indicate alluvium (DWR criteria signifying that it may indicate an aquifer). Mr. Bondy reported that he uploaded a memorandum to the DWR site refuting this premise and that the DWR was reviewing the document. He said that DWR may accept or deny his argument, and that either way, it would be a while before the Agency heard back from DWR. Chair Mobley asked some questions about the DWR's assertion, and Mr. Bondy responded that there is no data other than visual and that the DWR's decision should not impact the jurisdictional adjustments to align the basin boundary with the boundaries of the Santa Paula Basin adjudication or Fox Canyon GMA.

Mr. Bondy reported that the Mound Basin GSA website is up and running. He also reported that he had some inquiries regarding extraction fee invoices. In particular, he said that Duda Farms had contacted him regarding property the company is leasing on Olivas Road. He said the invoices didn't specify if the tenant or the landlord was responsible for the assessment of the GSA. He said he had been working with counsel and that both tenant and landlords could be held responsible and would hopefully work it out, but that he would follow-up with Duda Farms as well as United finance staff to resolve any outstanding issues.

In September, Mr. Bondy said he filed the GSP Initial Notification with DWR. He stated that this was a requirement for proceeding with the grant agreement.

Mr. Bondy provided an update on DWR Technical Support Services funding for the monitoring well. DWR says that in order to proceed, the GSA needs to nail down the location where the well will be drilled, and if the location is at the Olivas Adobe or golf course, the GSA will need to show an official access agreement confirming that the City, GSA and DWR can access the well location. Chair Mobley suggested that Director Brown could be of assistance in locating the spot for the monitoring well, and Director Brown said that so far, so good and that he doesn't anticipate any problems and that the location provides easier access than most.

6. DIRECTORS UPDATES

Director Shephard asked a question about billing, wondering if UWCD had indicated if it was billing the owners or the lease and whether the APN is listed on the invoice. Mr. Bondy said that he believed it was standard practice to bill the property owners unless there were specific instructions to bill tenants. Chair Mobley said he believed the property owner was responsible for the assessment. Mr. Bondy said that the water code is different, and that UWCD billed tenants at the request of the property owner as a courtesy. SGMA doesn't specify property owner or lease and the Board may want to consider adopting specific language regarding who is responsible for Agency's assessment and that legal counsel had recommended making the land owner responsible for paying the GSA assessment. Director Chambers said that it is basically an extraction fee and that the owner should be billed first and then the lease if the owner objects.

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Director Everts reported that he had attended a follow up meeting organized for the various GSAs with climate change scientists that were visiting and making presentations to various groups within the county. He said both the scientists and the participating GSA members had lots of questions and the scientists were very interested in how climate change applies to local issues and situations and were looking to gather as much information as possible.

7. CONSENT CALENDAR

Mr. Bondy said he has asked Erin Gorospe of UWCD to provide background for the Board on the various monthly financial reports included in 7b, so he recommended pulling that from the Consent Calendar for separate discussion. Director Everts said he had to recuse himself from voting on the Minutes as he was not in attendance at the August 16 or August 23 meetings.

7a. Approval of MINUTES

The Board will consider approving the Draft Minutes from the Board of Directors Meeting of August 16, 2018 and the Special Meeting/Public Hearing of August 23, 2018.

7c. Invoices for payment approval (outstanding invoices \$42,529.11)

The Board will consider approving invoices for payment, as follows:

1. insureCAL Insurance Agency (General Liability Policy) \$1,995.24
2. Klein Denatale Goldner Cooper Rosenlieb & Kimball (legal services) \$8,861.57
(encompasses invoices for legal services for May, June, July, August and September)
3. Bondy Groundwater Consulting (GSP Grant application) \$16,585.61
4. Bondy Groundwater Consulting (GSP \$6,365; Admin \$1,987.21) \$8,352.21
(encompasses invoices for GSP tasks and GSA administration for July and August)
5. County of Ventura IT Services (Website and hosting) \$1,774.68
6. Michael Mobley (expense reimbursement) \$100.00
7. Bondy Groundwater Consulting (GSP\$3752.50; Admin \$1,151.45) \$4,903.95

Motion to approve the minutes (7a) and invoices for payment (7c), Director Shephard; Second, Director Brown. Voice vote: four ayes (Brown, Chambers, Shephard, Mobley); none opposed; one recused (Everts). Motion carries unanimously 4/0/1.

7b. Monthly Financial Reports

The Board will receive monthly financial reports from UWCD's accounting staff.

Ms. Gorospe walked the Board members through the monthly financial reports. She said that the Profit and Loss report indicated that the groundwater extraction fees for January through June, 2018 had been billed at \$78,815.64. As of September 30, 2018 \$13,416.40 had been received by the GSA. As of September 30, 2018, there were \$40,477.91 in invoices to be paid, some of which related to services provided in FY 17-18. Ms. Gorospe noted that as of the October 16, the GSA had also received an advance from the City of Ventura of \$55,000 and expected to receive an advance from the County of Ventura of

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\$50,000 (currently listed amounts were transposed on the Balance Sheet). She asked if the Board had any questions. None were offered.

Motion to receive and file the monthly financial reports, Director Everts; Second, Director Brown. Voice vote: five ayes (Brown, Chambers, Everts, Shephard, Mobley); none opposed; none abstained. Motion carries unanimously 5/0/0.

8. ACTION ITEMS

8a. Approval of Stakeholder Engagement Plan

Motion

Mr. Bondy presented the Stakeholder Engagement Plan to the Board for its consideration. He stated that once the Board had approved the plan, it would be posted on the Mound Basin GSA website for public review. He reminded the Board that SGMA has regulations for how GSAs are to communicate with the public and stakeholders during GSP development and that it is critical that the GSA be transparent in its outreach and engagement. He also stressed the importance of starting up front or early in the process so that the public is involved throughout the development of the GSP. He said the Agency's Stakeholder Engagement Plan was adapted from the Upper Ventura River GSA's plan, which was in turn based on a San Diego County template for several GSAs. Chair Mobley asked that although it was based on the Upper Ventura River GSA the data is reflective of the Mound Basin, and Mr. Bondy replied yes.

Director Chambers asked if the Watershed Coalition had scheduled a meeting for review. Director Shephard said that the Farm Bureau and Watershed Coalition of Ventura County held an event last November and shared perspectives of the GSAs. He also added that Santa Clara River Watershed Coalition's Lynn Rodriguez and Lara Meeker, during a meeting at UWCD, had various councils form and flow through the Coalition which include Calleguas Creek, and address the Santa Clara and Ventura River too. He stated that while the Watershed Coalition was the overarching entity, the Santa Clara River Watershed Coalition was more germane to the Mound Basin. Director Chambers asked if the Clerk of the Board could schedule outreach opportunities with other Boards' meetings. Ms. Sofley replied that she would provide timely calendar updates for appropriate meetings of other agencies.

Chair Mobley asked if there were any questions or comments from the public. None were offered

Motion to approve the proposed Stakeholder Engagement Plan, Director Everts; Second, Director Shephard. Voice vote: five ayes (Brown, Chambers, Everts, Shephard, Mobley); none opposed; none abstained. Motion carries unanimously 5/0/0.

8b. Approval of Grant Agreement

Motion

Mr. Bondy reported to the Board that after speaking with the Glendale office of DWR, some minor changes were made to the grant scope of work and schedule, which are currently being reviewed by DWR's Sacramento office. Among the changes were the removal of the monitoring well, which DWR was agreeable to, but the Agency will be obligated to install in future. The well remains required, but not within the grant, and the

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Agency is encouraged to pursue technical support for help with monitoring well costs. DWR recently determined that GSA formation costs are not eligible as part of the cost share and Mr. Bondy is working with DWR to remedy. The proposed remedy is to reduce the Agency's 50 percent cost share requirement to 25 percent based on disadvantaged communities in the basin. Mr. Bondy worked with the City of Ventura to provide the disadvantaged community documentation which would reduce the Agency's cost share requirement to 25 percent.. This designation as a DAC has been submitted to DWR, but has not been confirmed officially yet. DWR also lumped many of the various tasks into funding categories which simplifies reporting and tracking but may delay some grant payments. As a result, Mr. Bondy negotiated changes to the cost share allocations between budget categories to frontload as much reimbursement as early as possible. The net result is that the Agency can expect reimbursement to begin sooner for grant administration, but will have to wait somewhat longer for reimbursement to begin for GSP development activities. Mr. Bondy asks that the Board authorize the Chair to execute the grant agreement subject to minor changes from DWR.

Motion to approve the DWR Prop 1 Grant Agreement, Director Shephard; Second, Director Chambers. Voice vote: five ayes (Brown, Chambers, Everts, Shephard, Mobley); none opposed; none abstained. Motion carries unanimously 5/0/0.

8c. Approval of Waiver of Late Fees and Penalties relating to Groundwater Extraction Fees
Motion

UWCD's Erin Gorospe reported that although billing invoices were sent out to owners and operators on September 1, 2018, and were due on October 1, 2018. As of October 9, \$34,758.84 is still outstanding (\$44,056.80 has been received by the GSA). According to Article 10.1(a) of the Agency's bylaws, the Agency can assess a one percent per month interest rate on the unpaid balance as well as a ten percent penalty fee. But because this is the first time owners and operators have received invoices from the Mound Basin GSA, and may not have included funding for the payment of these invoices in their budgets, staff recommended waiving penalties and interest for accounts that are paid before December 31, 2018. The Board, by an affirmative vote of three directors, is authorized to waive interest and penalties on overdue fees. By approving a one-time waiver of Late Fees and Penalties relating to Groundwater Extraction Fees for all customers, the Agency is forgoing up to \$3,475.88 in penalty revenue and up to \$1,042.77 in interest revenue which were not included in the FY 18-19 Budget.

Motion to approve the one-time waiver of late fees and penalties relating to groundwater extractions fees for accounts that are paid before December 31, 2018, Director Chambers; Second, Director Brown. Voice vote: five ayes (Brown, Chambers, Everts, Shephard, Mobley); none opposed; none abstained. Motion carries unanimously 5/0/0.

8d. FY 2018-19 Budget Amendment
Motion

Ms. Gorospe reported that the Budget adopted at the August 23, 2018 Mound Basin Board meeting showed revenues on a cash basis. The use of accrual basis is required by the Governmental Accounting Standards Board Pronouncement 34 for operations that are

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considered to be enterprise funds. One of the criteria for designation as an enterprise fund is that the establishment of fees and charges designed to recover costs, which is the case with the Mound Basin GSA. Fox Canyon Groundwater Management Agency also is considered an enterprise fund and uses the accrual basis of accounting.

Groundwater extraction fee revenue for FY 2018-19 was originally budgeted at \$204,000 (\$74,000 for the period of January to June, 2018 and \$130,000 for July to December 2018). An accrual based-budget would total \$194,750 (\$130,000 for July to December 2018 and as \$64,750 for January to June 2019). Additionally, the adopted budget included revenue of \$105,000 in contributions from member agencies. These contributions are loans and are recorded as liabilities rather than revenue. Staff recommends removing this item from budgeted revenue.

Changing from a cash to accrual-based budget for groundwater extraction fees will have no net effect, as it is simply a timing issue. Reclassifying the contributions from member agencies from revenues to liabilities will decrease budgeted fund balance by \$105,000. There is no cash effect.

Motion to revised the FY 2018-19 budget to account for revenue projections on an accrual basis and adopt the revised FY 2018-19 budget; Director Everts; Second, Director Brown. Voice vote: five ayes (Brown, Chambers, Everts, Shephard, Mobley); none opposed; none abstained. Motion carries unanimously 5/0/0.

9. INFORMATION ITEMS

9a. GSP Development Options
Informational Item

Mr. Bondy led the Directors in a discussion of the various options relating to the development of the Agency's Groundwater Sustainability Plan, which currently includes \$50,000 in in-kind services from UWCD, for technical work on the Basin Boundary Modification, and Chapter 2 basin settings and hydrogeology work. UWCD technical staff expressed a willingness to take a larger role beyond the in-kind services. Given UWCD technical staff's groundwater modeling experience and knowledge of the Basin and cost-effective rates expanding their role in the GSP development has the potential for considerable cost savings to the Agency. After discussions with UWCD staff, it was agreed that Mr. Bondy would serve as the lead on GSP development regarding policy issues such as development of sustainable management criteria. Further discussion with UWCD staff is required to delineate specific tasks assignments and availability. At some point, it may be prudent to contract with an outside consultant for tasks that fall within the gaps between UWCD and Mr. Bondy. Mr. Bondy will come back to the Board with a matrix of tasks and assignments with an eye toward maximizing the most cost effective and efficient means of completing the GSP.

Director Shephard expressed his desire to see Mr. Bondy work with UWCD and Director Brown agreed that UWCD's knowledge and experience in the basin is unsurpassed and encouraged Mr. Bondy to explore options to work together with UWCD on the GSP development. Mr. Maguire also voiced his support of Mr. Bondy and UWCD staff working collaboratively on the development the Mound Basin GSP.

**9b. Ventura's WaterPure Project Presentation
Informational Item**

Director Brown provided presentation concerning Ventura Water's WaterPure project.

The goals of the project are to provide a safe, reliable and adequate water supply to the community while also providing ecologically protective solutions for wastewater and minimizing rate payer impacts. The existing water/wastewater systems have challenges, including the water supply, the quality of groundwater, increasing supply costs, and competing interests to protect endangered species affected by discharges to the Santa Clara River Estuary.

Potable reuse fits in by providing needed supply augmentation, even during drought; improving supply reliability and supply water quality and complies with consent decree and NPDES requirements for protecting the health of the estuary.

The City is studying various future water supply augmentation options, including potable reuse (the number one priority), which can also benefit groundwater desalting (priority number 2) and seawater desalination (priority number 3) in addition to groundwater and surface water supplies. Ventura Water began efforts for a desalination plant in 1994, but when heavy rains came, the public lost interest as there was more than enough water until 2014. In 2016, Ventura Water received a grant to build a DPR demonstration facility which employed sand filters, pasteurization, membrane ultrafiltration, reverse osmosis and ultraviolet light for advance oxidation. The facility was used to demonstrate the safety of the supply, conduct surveys about the public's willingness to consider potable reuse as a supply, and educate the public. . The City earned strong support for adding DPR water to Ventura's drinking water supply (if it was treated to the same quality or higher as regular tap water).

Director Brown reported that the City is looking at multiple sites around Ventura and that the Environmental Impact Report (EIR) is coming out in November and the NPDES Permit is expected by the end of the year. .

Chair Mobley asked what percentage of the water goes back to the estuary. Mr. Brown replied that scientific review panel and regulators don't want all the water removed from the estuary and a percentage will still go to the estuary. The City will have its own brine disposal line or will connect to an existing brine disposal line. Director Shephard asked about eventually transferring the from indirect to indirect potable reuse and Mr. Brown said that there would have to be a technology buffer Director Everts said it's important to understand the challenges of DPR and engage the public with a suite of programs that explain and clarify the processes and technologies. Director Brown agreed.

10. FUTURE AGENDA ITEMS

None were offered

ADJOURNED 2:48p.m.

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the estuary and a percentage will still go to the estuary and that the percentage will change during high rains, with some water also being used for dechlorinazation ponds, and estimated that five percent of the water will be associated with the estuary. The City will have its own brine disposal line or will connect to existing brine disposal lines, such as Port Hueneme's. Director Shephard asked about eventually transferring the DPR to IPR and Mr. Brown said that there would have to be a technology buffer and Chair Mobley added that reverse osmosis is so expensive but could be offset by solar power. Director Brown said that solar is good and that the County's facility in Moorpark is all solar. Director Everts said it's important to understand the challenges of DPR and engage the public with a suite of programs that explain and clarify the processes and technologies. Director Brown agreed and said that the advanced treatment facility, wells, the problematic issues with desalination and that DPR makes the most operational sense for the Mound and Oxnard Plain basins.

10. FUTURE AGENDA ITEMS

None were offered

ADJOURNED 2:48p.m.

The Board adjourned at 2:48 p.m. to the next **Regular Board Meeting** on Thursday, **November 15, 2018** or call of the Chair.

I certify that the above is a true and correct copy of the minutes of the Mound Basin Groundwater Sustainability Agency's Board of Directors meeting of [date].

ATTEST:



Kevin Brown, Board Secretary

ATTEST:



Kris Sofley, Clerk of the Board



MOUND BASIN GSA BOARD OF DIRECTORS MEETING

October 18, 2018

Name: Den Detmer

Organization: United

Phone: _____

E-mail: _____

Name: Neal Maguire

Organization: MBAWG

Phone: _____

E-mail: _____

Name: _____

Organization: _____

Phone: _____

E-mail: _____

Name: _____

Organization: _____

Phone: _____

E-mail: _____

Name: _____

Organization: _____

Phone: _____

E-mail: _____

Name: Brent Haney

Organization: _____

Phone: _____

E-mail: _____

Name: _____

Organization: _____

Phone: _____

E-mail: _____

MOUND BASIN GROUNDWATER SUSTAINABILITY AGENCY
FISCAL YEAR BUDGET

July 1, 2018 - June 30, 2019

Draft Proposed Budget (8/23/18)

REVENUES

ACCOUNT NUMBER	REVENUES	BUDGET 2018/2019	Comments
1	Contributions from Member Agencies	\$105,000	\$55k from the City, \$50k from the County, both are loans
2	Revenue from Groundwater Extraction Fee	\$204,000	Twice per year billing.
4	Reimbursement from DWR Grant	\$9,540	estimated based on GSP tasks for FY 18-19, depends on cost-share spent by Agency.
TOTAL REVENUES		\$318,540	

OPERATING EXPENSES

ACCOUNT NUMBER	OPERATING EXPENSE	BUDGET 2018/2019	Comments
Administrative Costs:			
1	Executive Director/Project Manager	\$50,000	
2	Clerk of the Board	\$20,000	Provided by United Water Conservation District via contract
3	Accounting Services	\$10,000	Provided by United Water Conservation District via contract
Total Administrative Cost:		\$80,000	
Professional Services:			
4	Website Development	\$2,000	County of Ventura Information Technology Services
5	Website maintenance	\$400	County of Ventura Information Technology Services
6	Audits	\$7,000	Estimate
7	Public Outreach/218 publications	\$1,500	
8	Liability Insurance	\$1,955	Insure Cal Quote
9	Routine Legal Counsel	\$32,400	\$270/hr - Agenda review and attend meetings as necessary - 10hrs per month for July 2018 - June 2019
10	Special Legal Services	\$10,000	
11	Annual Report	\$1,000	
12	DWR filing fees/etc.	\$500	
Total Professional Services Cost:		\$56,755	
GSP Activities:			
13	Water Quality and Isotope Study	\$45,330	
14	Basin Boundary Modification	\$5,000	Cost assumes \$5,000 of UWCD in-kind labor.
15	Organizational Activities	\$11,900	
16	GSP Chapter 2: Plan Area and Basin Setting	\$52,200	Cost assumes \$22,500 of UWCD in-kind labor.
17	Project Administration (Grant Management)	\$0	Costs are included in administration.
18	Funding for Reserves	\$25,000	
Total GSP Activities:		\$139,430	
TOTAL EXPENSES		\$276,185	
Expenses deferred from FY2017-18		\$32,962	
TOTAL REVENUES EXCEEDING EXPENSES		\$9,393	

10/18/2018

MOUND BASIN GROUNDWATER SUSTAINABILITY AGENCY
FISCAL YEAR BUDGET

July 1, 2018 - June 30, 2019

Proposed Revised Budget (10/15/18)

REVENUES

ACCOUNT NUMBER	REVENUES	BUDGET 2018/2019	Comments
2	Revenue from Groundwater Extraction Fee	\$ 194,750.00	Twice per year billing.
4	Reimbursement from DWR Grant	9,540.00	estimated based on GSP tasks for FY 18-19, depends on cost-share spent by Agency.
TOTAL REVENUES			204,290.00

OPERATING EXPENSES

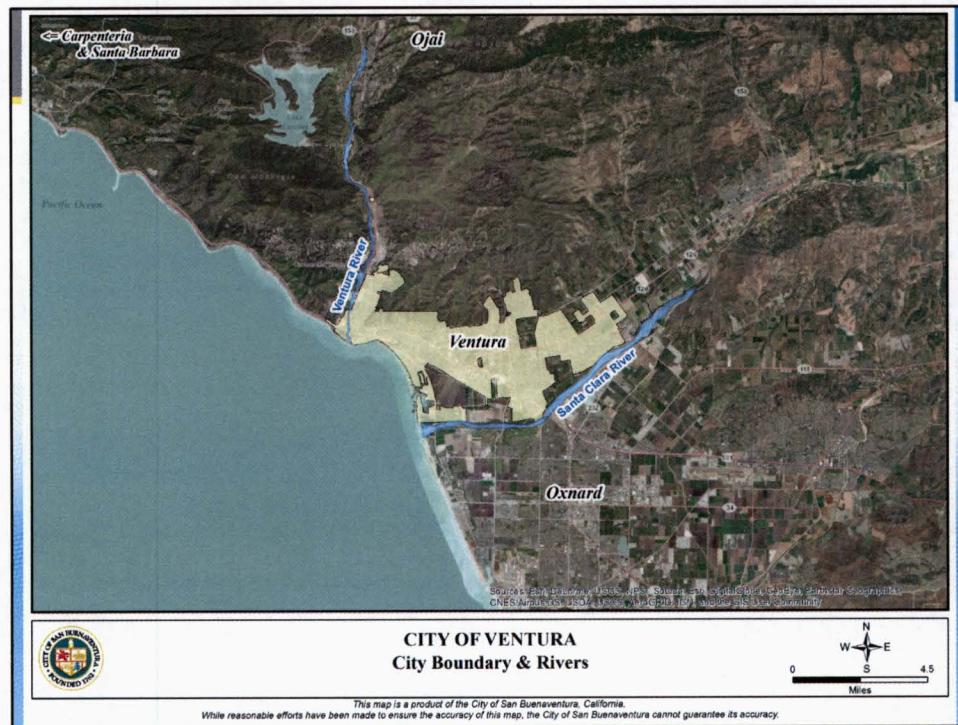
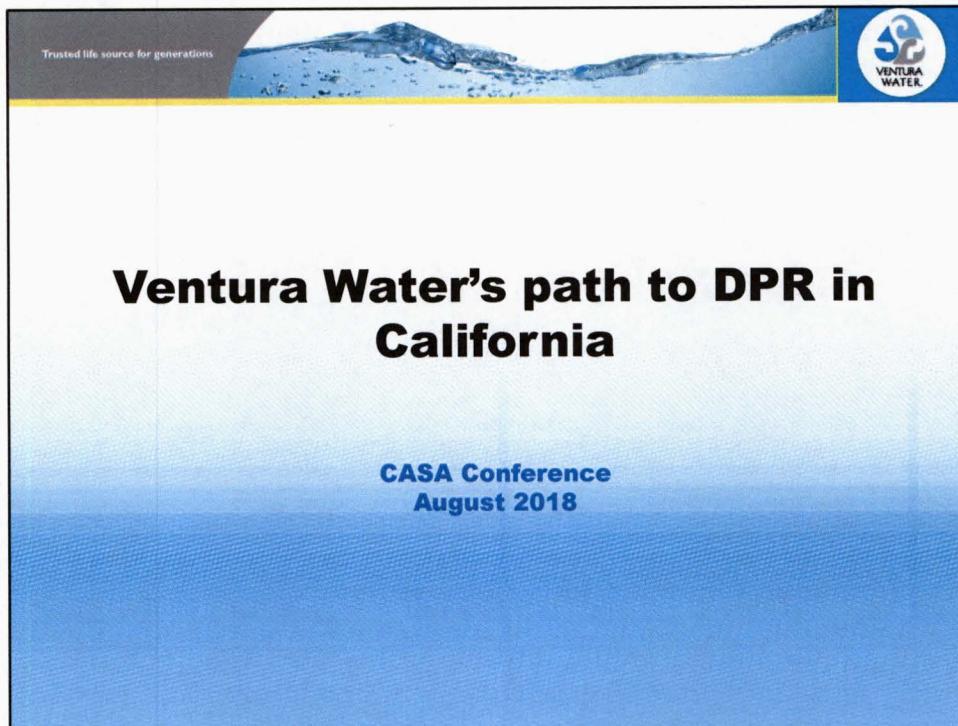
ACCOUNT NUMBER	OPERATING EXPENSE	BUDGET 2018/2019	Comments
Administrative Costs:			
1	Executive Director/Project Manager	\$ 50,000.00	
2	Clerk of the Board	20,000.00	Provided by United Water Conservation District via contract
3	Accounting Services	10,000.00	Provided by United Water Conservation District via contract
Total Administrative Cost:		80,000.00	
Professional Services:			
4	Website Development	2,000.00	County of Ventura Information Technology Services
5	Website maintenance	400.00	County of Ventura Information Technology Services
6	Audits	7,000.00	Estimate
7	Public Outreach/218 publications	1,500.00	
8	Liability Insurance	1,955.00	Insure Cal Quote
9	Routine Legal Counsel	32,400.00	\$270/hr - Agenda review and attend meetings as necessary - 10hrs per month for July 2018 - June 2019.
10	Special Legal Services	10,000.00	
11	Annual Report	1,000.00	
12	DWR filing fees/etc.	500.00	
Total Professional Services Cost:		66,766.00	
GSP Activities:			
13	Water Quality and Isotope Study	45,330.00	
14	Basin Boundary Modification	5,000.00	Cost assumes \$5,000 of UWCD in-kind labor.
15	Organizational Activities	11,900.00	
16	GSP Chapter 2: Plan Area and Basin Setting	52,200.00	Cost assumes \$22,500 of UWCD in-kind labor.
17	Project Administration (Grant Management)	-	- Costs are included in administration.
Total GSP Activities:		114,430.00	
TOTAL EXPENSES			251,185.00
TOTAL REVENUES EXCEEDING EXPENSES			\$ (46,895.00)

PROJECTED FUND BALANCE

Beginning Working Capital/Fund Balance, July 1, 2018	\$ 57,850.90
Net Surplus (Shortfall)	(46,895.00)
Cash Advances*	105,000.00
Projected Ending Working Capital/Fund Balance, June 30, 2019	115,955.90
Designated for Reserves	25,000.00
Net Available	\$ 90,955.90

* Net shortfall of \$46,895.00 to be funded by expected cash advances from the City of San Buenaventura and Ventura County Watershed Protection District, totaling \$105,000.

The proposed repayment dates of the cash advances are December 31, 2021 for the City of San Buenaventura and December 31, 2022 for the Ventura County Watershed Protection District.



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VenturaWaterPure

The Basics

- City of San Buenaventura (Ventura)
- Need for project
 - Legal challenges to NPDES permit and Santa Clara river estuary
 - Consent Decree
 - SGMA
 - Water supply augmentation and reliability
 - Beneficial reuse of VWRF effluent
 - Improvement of water quality
- Why DPR?
 - No availability of long term storage
 - Proven technology
 - More cost effective compared to IPR
 - SGMA - Other users on groundwater basins, loss of return

2

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VENTURA'S WATER HOPES

Changing It From Sewage To Pure

Dave Sullivan, city sanitation superintendent, gave a demonstration on a system which can produce better drinking water than the city's present water supply.

Dave Sullivan, city sanitation superintendent, gave a demonstration on a system which can produce better drinking water than the city's present water supply.

Asked where the water originally came from, Sullivan replied:

"Sewage."

The reverse osmosis unit, developed by Sullivan's department in cooperation with DuPont, has proved successful in producing pure water, he said. Now it must be determined if it can be done economically.

The system—the only one of its kind in the United States—has been undergoing tests since September, Sullivan said.

Its major working parts consist of a purification unit which can withstand 5,000 pounds of pressure, a massive such, and filament of hollow sylex fibers about the size of sewing thread.

The system, while Sullivan said is much less complicated than others previously tested, basically works as follows:

Water is forced at tremendous pressure through the pipe, which is known as a reverse osmosis. The hollow fibers, tightly snared together, are so minute that the water must break into microscopic membranes to be able to get through.

Minerals, germs and other unwanted intruders are too large to get through and they don't.

It's as simple as that. Well, almost.

"We've already proved that it works," Sullivan said. "Economy is the main thing that must be determined."

The system being tested produces 3,000 gallons of pure water every day. The city uses about 18 million gallons of water each day, Sullivan said.

That's the problem.

He estimated that to build a full size system which would treat 5 million gallons per day, it would cost some \$3 million.

He thinks it can be done for less and predicts that within five years much of Ventura will be using reverse osmosis water, which he contends is better than what residents are getting now.

"We can produce better quality water here than any existent water supply in Ventura County," he said.

"People say, 'If you think I'm going to drink that stuff you're crazy.' That's your head," he added, noting that drinking water comes from rivers and lakes—treated by nature, after once having been used by man.

5 January 1969

"We've already proved that it works,...Economy is the main thing that must be determined"

"We can produce better quality water here than any existent water supply in Ventura County"

"...it's done every day...drinking water comes from river and lakes – treated by nature, after once having been used by man."

VENTURA COUNTY
Star-Free Press
COUNTY SCENE
B-8 Sunday, January 5, 1969

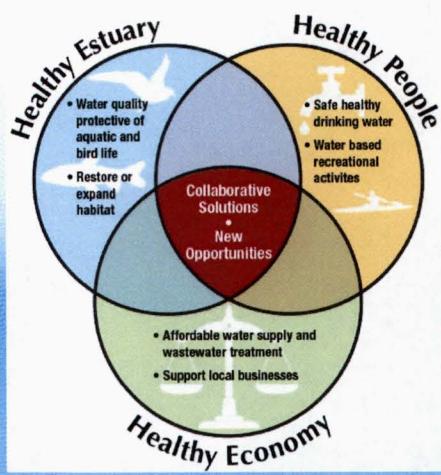
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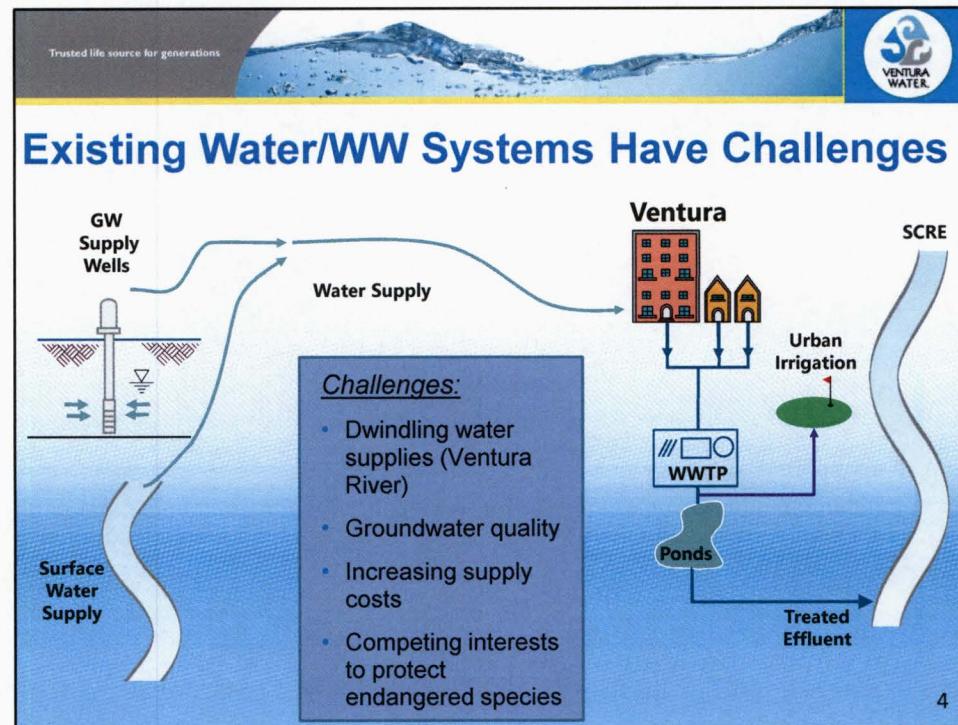
Ventura Water is dedicated to providing our community with high quality service

Goals include:

- Providing a safe, reliable and adequate water supply
- Providing ecologically protective solutions for wastewater
- Minimizing rate payer impacts



3



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VENTURA WATER

Discharge to the Santa Clara River Estuary

- Federally listed habitat for endangered species
- NPDES and Consent Decree requirements to determine best use and volume of the treated water resources from the VWRF that are needed to protect the health of the estuary



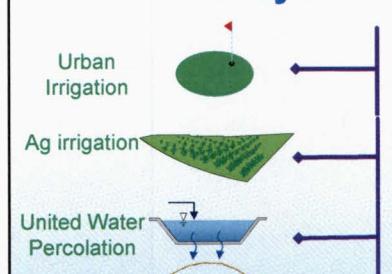
Steelhead Tidewater goby
California least tern Western snowy plover

5

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VENTURA WATER

Recycled Water Market Study

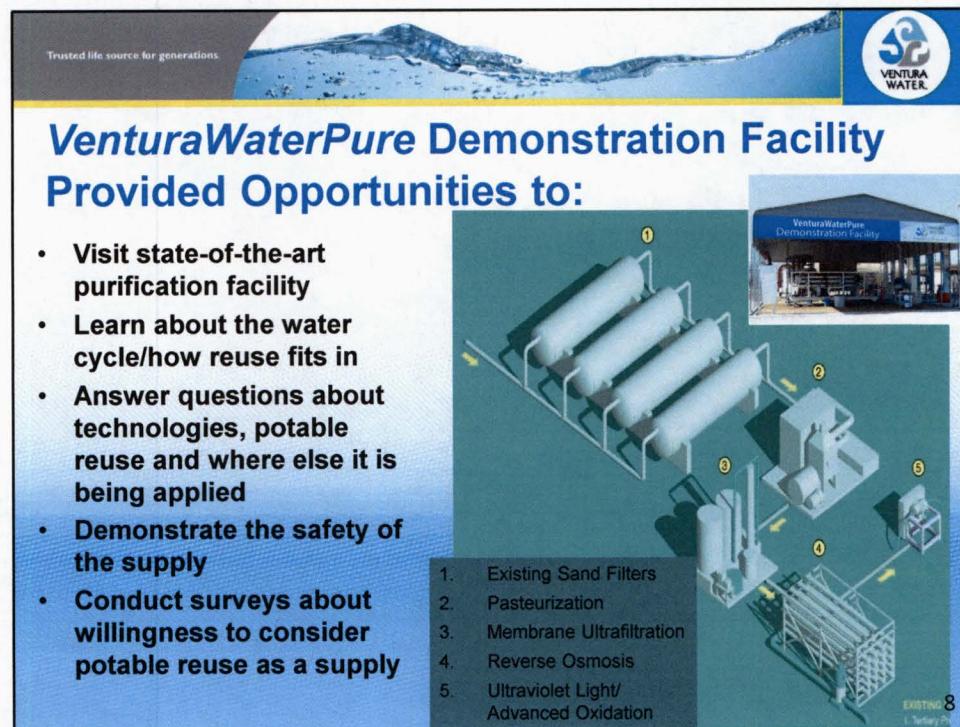
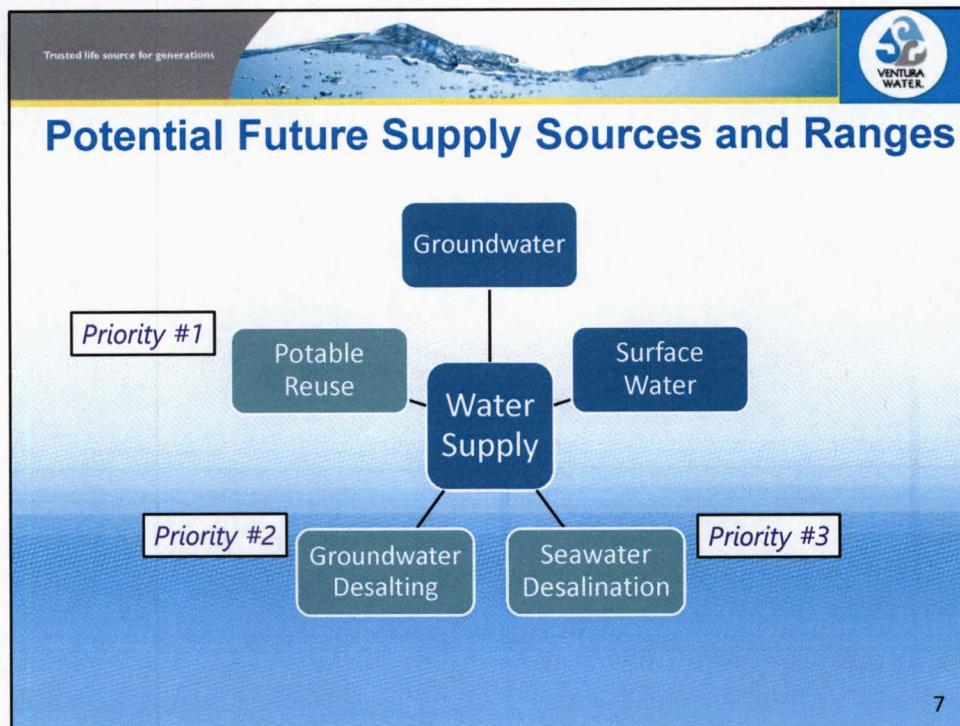


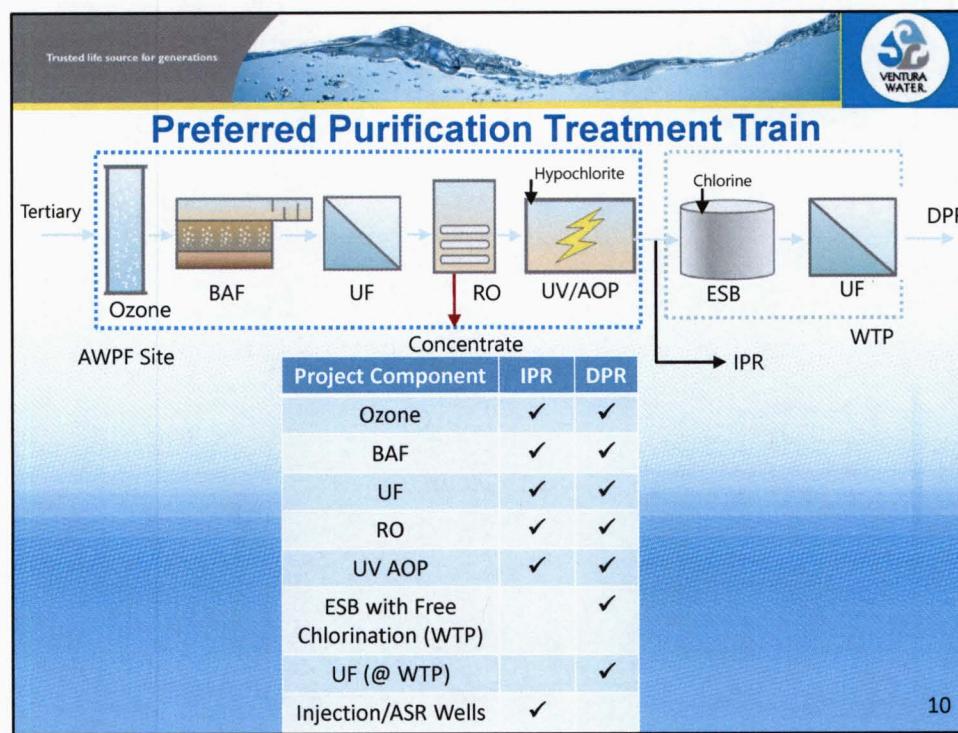
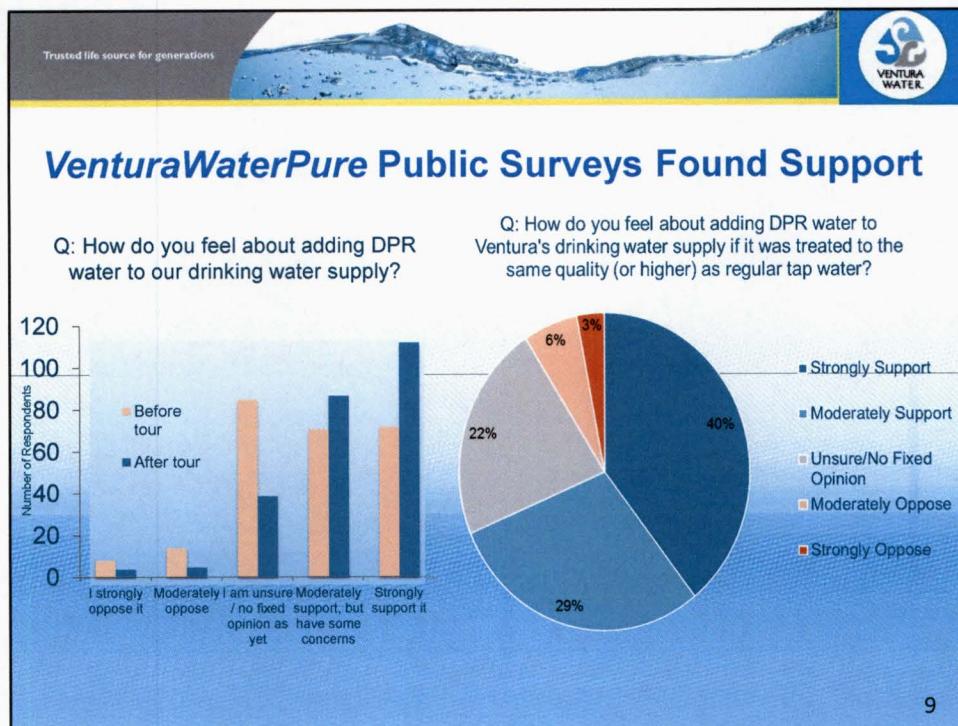
- Urban Irrigation: Low demand, extensive purple pipe. Seasonal use with little supply benefit
- Ag irrigation: Seasonal demand with little supply benefit. Requires partial RO for chloride removal
- United Water Percolation: Low demand unless partial RO is provided. Not full supply benefit unless only for City Users

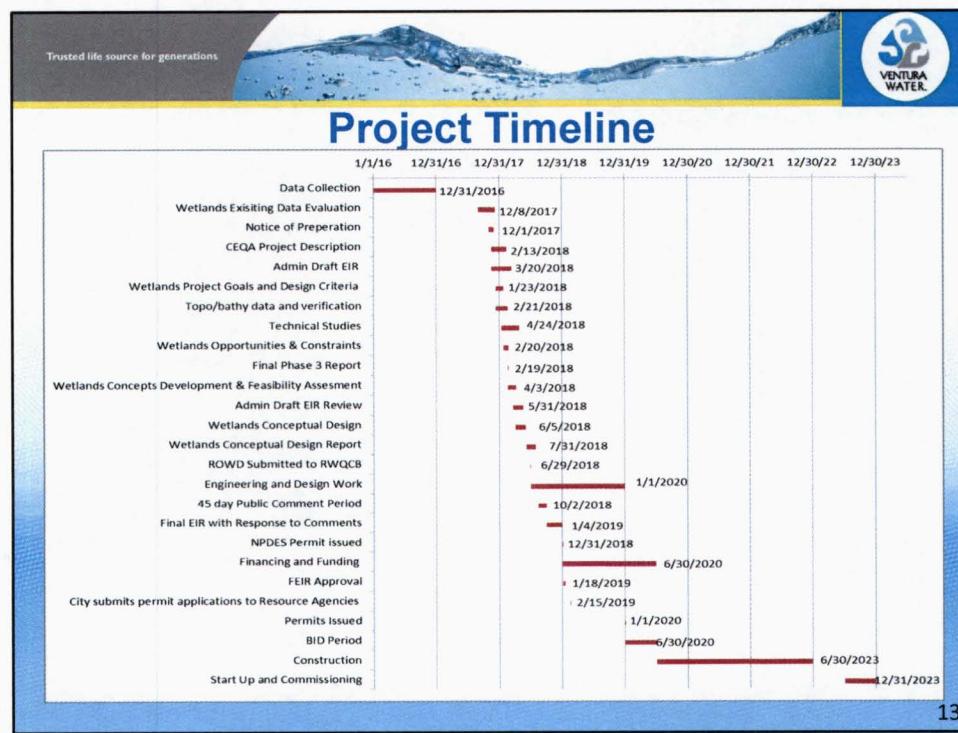
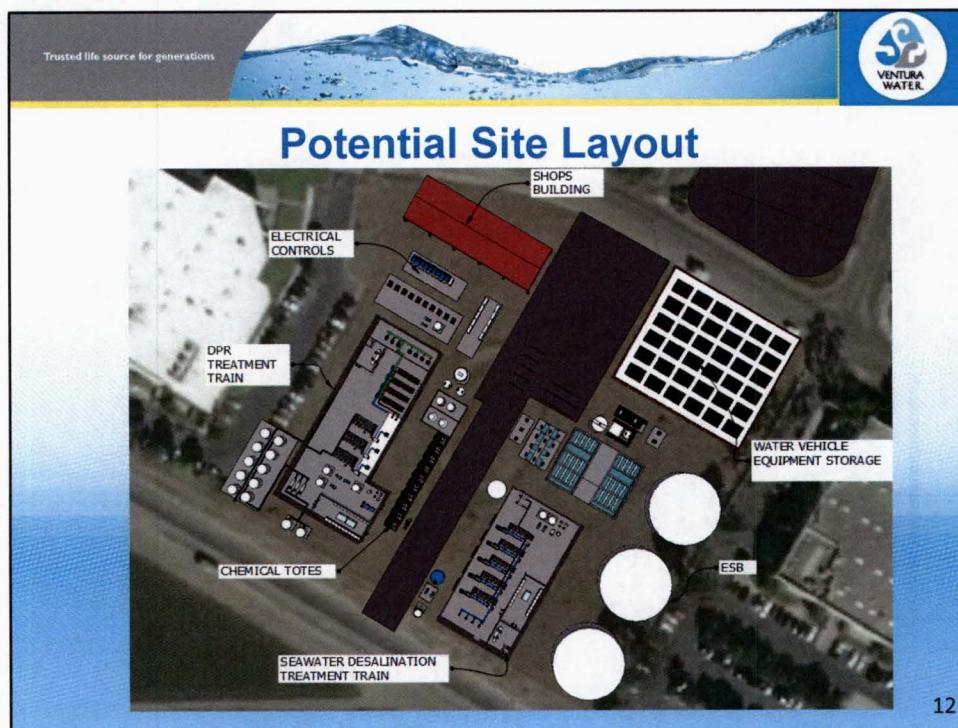
Potable Reuse “Fit”:

- Provide needed supply augmentation, even during drought
- Improve supply reliability and supply water quality
- Complies with consent decree and NPDES requirements

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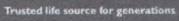






Ventura's Participation in R&D Efforts to Support Confidence in DPR

- WRF 4536 – Demonstration and Blending Studies
- WRF 17-30 - Real Time Monitoring of Raw Wastewater
- Pathogen Sampling and Risk-Based Engineering Analysis to Set Treatment Train and Engineered Storage Buffer (QMRA – WRF 14-16)



Questions?

