

**Rogers, Amanda**

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**From:**  
**Sent:** Wednesday, November 07, 2018 2:14 PM  
**To:** Rogers, Amanda  
**Subject:** Palmer Report

**California H2O Women, November 1&2**  
**Summary of discussion panels**  
**Palmer report**

**Business of water**

Emphasis on Sustainable Development Goals  
17 sustainability goals set up globally  
#6 is on water but all are affected by water  
Clean drinking water and sanitation, ecosystems, efficiency esp of agriculture.  
Water quality key issue  
Need integrated management.

Conjunctive use should come into play with idea of "One Water"  
Identify which systems need to be addressed first  
Develop strategies to achieve sustainability including funding needs  
How to prevent unsustainable developments or agencies from coming up in the first place? This may entail LAFCO involvement

At the same time, we must also pay attention to disadvantaged communities

**SGMA driven solutions**

We have been doing artificial recharge in California since 1891. Of course science has been enhanced.  
Main emphasis: **Slow it, spread it, sink it**  
Take into account: Soil, agriculture, groundwater banking  
Mini recharge down the road

Each topography brings different challenges, and require different methodologies.

Consider: Injection...utilization of existing dry wells.  
GW allocation. Save credits from wet years.

Land use planning is really important. Cities, counties

Economic, habitat , air quality opportunities should not be lost.

Coordination crucial  
GSA's have interests within the basin, but, there is migration of water both in and out.

## Recycled water

Potable vs. Nonpotable

Direct and indirect potable recharge (need for new terminology?)

Bond money prop1

Drought and golf courses, parks

Up against prop 218 issues w single user

Progress on legislation and regulation?

Complex mix of public health, geology and culture

Need updates esp with statewide standards

NOTE: Taking water out does require water rights permits even for recycled water

Decentralized water reuse ie within a building

Grey water for flushing etc.

Recycled h2o is never one size fits all

SB 966 directs swrcb to adopt risk based water quality standards

Trying to get away from direct and indirect potable reuse

574 gave case by case possibility for reuse

Raw water augmentation?

Need flexibility.

Every community is different. Availability of GW , reservoirs, discharge issues, etc.

There is no drinking water plant in SF so researching direct potable

Call for Coordination amongst agencies and funding

Sacred cows make the best burgers? Need new perspectives.

## Climate change

Not just 3rd world problem

IPCC reports a 1 to 3 degree global temperature increase

This is an actionable science.

We are already there. 5 degrees warmer in CA by end of century

Precip calendar is changing

Flood water supply management with wet winters w/o snow pack becomes a bigger issue.

Scientists did not tell people how bad it was.

Need to invest up front but we haven't done so. Running out of time.

Must include worst case scenario.

Infrastructure decisions must have different groups talking to each other

Need to be long term thinkers for water esp.

We have now moved from theoretical to reality

In san diego 55 of 56 months have broken temp records

Climate action plans can't be put up on shelf

Inventory and quantify mitigation, real problems in **adaptation**

We have a "shifting foundation" **can't rely on what we have done in past.**

"I feel so much better since I gave up hope"

Cost is large

Set up contingency plans ahead of time

Cost and risk  
Plans cannot be made DURING the crisis  
Barriers are organizational, but trust is definitely problematic.

See [caladapt.org](http://caladapt.org)  
<https://coast.noaa.gov/digitalcoast/>  
At santa monica pier there is sea level rise binoculars

A lot of climate change based on sea level rise, more difficult for inland. Must open discussion and dialogue. Energy, infrastructure, agriculture inland just as important.

Uncertainty shouldn't stop us from making risks assessments  
Always something more, but we will never have certainty so plan for variety of scenarios  
Use of the word "plan" incorporates idea of evolving. You can narrow bands of uncertainty.  
Range of possibilities

Colorado river has gone through huge variations. In 1922 heavily oversubscribed.  
All 7 basin states in new norm.

**Resiliency and adaptation** are key.  
We have uncertainty in our future. Communicate this to stakeholders  
We have to come up with something other than "its complicated"  
**It is our reality**

People are looking to California for climate change info on mitigation plans. DWR has received awards.  
There are financial, institutional, and governance barriers  
Must align water use and land use plans

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**Water use efficiency has huge effect on reducing GHG.**

DIFFERENCE BETWEEN CONSERVATION AND WATER USE EFFICIENCY  
Conservation is short term response  
Change in culture is long term

No silver bullet....need a portfolio

## Technology and innovation

Water industry can be risk averse for innovation  
Call for consolidation and integration of systems  
Legacy systems affect communities of color  
Correction will take intervention

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CUWA and integration of rural communities  
Change mindset from repair to care  
Need technologies that handle multiple contaminants and provide real time monitoring

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Real science and regulatory disconnect  
Chemical detection possibility is so much more effective than what can be done in water treatment labs. Fear factor for detection!

# Agenda

Thursday, November 1, 2018

## Rotunda Balcony Entryway

10:30 am–11:45 am **Conference Check-in**

## Rotunda

12:00 pm–1:30 pm **Luncheon and Keynote Speaker**  
**Brenda Burman**, Commissioner, Bureau of Reclamation, United States Department of the Interior

## Santa Ynez Salon

1:30 pm–2:45 pm **Water Recycling and Reuse**

**Stephanie Hastings**, Shareholder, Brownstein Hyatt Farber Schreck  
**Paula Kehoe**, Director of Water Resources, San Francisco Public Utilities Commission  
**Felicia Marcus**, Chair, State Water Resources Control Board  
**Jennifer West**, Managing Director, WaterReuse California

2:45 pm–4:00 pm **SGMA-Driven Solutions**

**Katarina Buelna Campbell**, Supervisor of Resources, Westlands Water District  
**Ellen Hanak**, Center Director and Senior Fellow, PPIC Water Policy Center  
**Jennifer L. Harder**, Professor, McGeorge School of Law  
**Iris Priestaf**, President, Todd Groundwater

4:00 pm–4:15 pm **Break and Networking**

4:15 pm–5:30 pm **The Business of Water**

**Norma Camacho**, CEO, Santa Clara Valley Water District  
**Bar Littlefield**, CFO, Poseidon Water  
**Leslie Moulton-Post**, President & CEO, ESA (Environmental Science Associates)  
**Cindy Wallis-Lage**, President, Water Business, Black & Veatch Corporation

## Ocean Terrace

5:30 pm–7:30 pm **Cocktail Reception**  
Sponsored by Brownstein Hyatt Farber Schreck

*California*  
**H<sub>2</sub>O WOMEN**  
 **CONFERENCE**

# Agenda

Friday, November 2, 2018

Santa Ynez Terrace

7:30 am–8:30 am **Breakfast**

Santa Ynez Salon

8:30 am–10:00 am **Climate Change**

**Jamie Anderson**, Manager Natural Resources Research, California's Fourth Climate Change Assessment, CA Department of Water Resources

**Juliet Christian-Smith**, Senior Program Officer, Water Foundation

**Maureen Stapleton**, General Manager, San Diego County Water Authority

**Amy Steinfeld**, Shareholder, Brownstein Hyatt Farber Schreck

10:00 am–10:30 am **Break and Networking**

10:30 am–12:00 pm **Technology and Innovation**

**Laurel Firestone**, Co-Executive Director, Community Water Center

**Radhika Fox**, CEO, US Water Alliance

**Jay Iyengar**, Senior Vice President, Chief Innovation and Technology Officer, Xylem Inc.

**Tina Anderholt Shields**, Manager, Water Department, Imperial Irrigation District

**Optional Lunch and Activities (at your own cost)**

12:00 pm For those traveling, to-go lunches available at *Blend* at the Bacara

1:00 pm For those staying, lunch at the Bacara pool – meet at the far end of the pool closest to the ocean  
Spa, beach activities and relaxing by the pool

4:30 pm Wine tasting at the *Foley Food & Wine Society Wine Tasting Room* at the Bacara

California  
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 CONFERENCE