

**DIRECTOR AB 1234 REPORT**  
**April 3, 2018**

**Director Name:** Jacquelyn McMillan & BJ Atkins  
**Meeting Attended:** Southern California Water Dialogue  
**Dates/Times:** April 25, 2018 at 12pm  
**Presented at:** Metropolitan Water District  
**No. of Attendees:** 75  
**Brochure/Agenda:** Highlight below  
**Points Of Interest:** See below

Subject: The Nexus between Energy and Water

**Eric Bornstein, Project Manager, the Energy Coalition  
Southern California Regional Energy Network (SoCalREN)**

Eric described the purpose of SoCalRen, which is to help agencies create and implement an energy conservation strategy by bringing third-party objective expertise and offer project management and technical services. SoCalREN has successfully helped a number of agencies achieve significant savings.

United Water Conservation District project saved nearly 3 million kWh annually, 283 KW annual peak demand equaling over 680 metric tons GHG avoidance. United saved over \$402,000 annually on its utility use and captured \$191,000 in utilities incentives.

**James Pasmore, Account Manager, Government and Institutions Sector, SCE  
Clean Power and Electrification Pathway**

James began by giving an overview of SCE. He then present a past and future timelines outlining the states Climate Policies (2005-2050) with a target reduction of GHG emissions to 80% of 1990.

Emission contributors include:

- 39% transportation
- 19% electric power
- 17% Industrial
- 11% commercial and residential
- 8% agriculture
- 6% transportation-related industrial

SCE's integrated solution is to close the 48 million metric ton of CO<sub>2</sub> production by 2030 through:

- 1) decarbonizing the electric sector through more solar, wind, hydropower and zero emissions battery storage.
- 2) electrifying the 25% of the transportation sector (cars and trucks) and
- 3) electrifying 33% of the buildings currently using fossil fuels for space and heating requirements

To achieve 2050 goals of 75% renewables, SCE will have to make aggressive investments in to have 7 million EVs on the road, install 5.3 million heat pumps in homes and up to 30% for commercial buildings. SCE is also investigating opportunities to management the peak times through incentive pricing and conservation of use.

### **Ray R. Bennett, Engineer, Irvine Ranch Water District SCE-IRWD Water-Energy Pilot Project**

In 20015, SCE and IRWD entered into a MOU to collaboratively accelerate development of preferred energy resources. The SCE-IRWD Water-Energy Pilot (WE Pilot) was structured to broaden the scope of potential preferred energy resource projects, and expanded the level of technical services provided by SCE to help IRWD identify and evaluate “non-conventional” opportunities that lie beyond SCE’s existing customer energy programs. It consists of three phases:

Phase 1 - Establish IRWD Electric "Baseline" and Fast Track "Conventional" Projects.

Phase 2 - Identify/Evaluate "Non-Conventional" Projects and Activities include the following:

- Mapping relationships among IRWD's systems and facilities to enable modeling the electric impacts of infrastructure and/or operational changes to any part of the system.
- Developing analytical tools that facilitate the identification and evaluation of nonconventional preferred energy resource opportunities. These tools will include:
  - Identification of key variables used to ascribe the value of water and energy resources to IRWD and SCE.
  - Developing scoring criteria used to prioritize opportunities.
- Systematic identification and feasibility level evaluation of up to ten preferred energy resource opportunities.
- Opportunities that appear cost-effective will be considered for implementation by IRWD under existing SCE customer energy programs as fast-tracked, "conventional" projects.
  - Opportunities that are deemed not cost-effective will be evaluated for implementation as “non-conventional”.
  - Potential non-conventional opportunities include but are not limited to:
    1. **Distributed Generation** using existing generators, advanced fuels, new emissions controls technologies and/or new electric production technologies.

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    1. **Distributed Generation** using existing generators, advanced fuels, new emissions controls technologies and/or new electric production technologies.

2. **Battery Energy Storage** opportunities other than those currently being pursued by IRWD and AMS.
3. **Permanent Load Shifting and Enhanced Demand Response Capabilities** through increased water storage (tanks and reservoirs—both potable and recycled water).
4. **New Water or Wastewater Treatment Technologies** that can significantly reduce electric use.
5. **New Recycled Water Storage** that can provide energy and seasonal storage flexibility.

Projects Identified:

Tier 1 Fast-Tracked "Conventional" Preferred Resources Projects - 6 identified with a total savings of 20,422,185 kWh, 2,698.7 kW Peak Demand Reduction, 4,698 GHG emissions reduction with \$3,483,369 incentives from SCE.

Tier 2 Fast-Tracked "Conventional" Preferred Resources Projects - 5 identified with a total savings of 5,931,247 kWh, 3,370.1 kW Peak Demand Reduction, 1,363 GHG emissions reduction with TBD incentives from SCE.

## Lynne Plambeck AB1234 Report

I attended the meeting of the Southern California Water Dialogue  
“At the Nexus of Water and Energy: New Innovative Projects that Store and Manage Energy”

Wednesday, April 25, 2018 12:00–1:30 p.m.

Location:

Metropolitan Water District of Southern California headquarters  
700 N. Alameda, Los Angeles

As the title implies, this presentation discussed energy usage in relation to water production with the goal of reducing greenhouse gases to comply with SB 32. The presenters were an energy consultant from the CPUC, SOCAL Edison, and a manager from the Irvine Ranch Water District. The most exciting take away was that districts are saving a lot of money by re-evaluating the efficiency of their energy use. Incentives are being offered, but even without these, there is savings to be gained.

Speakers:

Eric Bornstein, Project Manager, the Energy Coalition  
James Pasmore, Account Manager, Government and Institutions Sector,  
Southern California Edison  
Ray R. Bennett, Engineer, Irvine Ranch Water District

Ray Bennett discussed how the use of batteries and solar panels has helped Irvine Ranch avoid peak use energy costs.

Eric Bornstein described how their energy audits work and some success stories about the savings, both in energy and money

James Pasmore talked about how power demand has changed due to increased electronic use and that as we move toward solar, SoCal Edison will need different strategies to manage loads as the sun sets. One of the strategies will be to now encourage people to use energy during the day when the sun is out. Peak use charges will move to the evening hours to accommodate the change in when and how the energy is generated.

Director name: Gary Martin  
Meeting attended: SCV GSA Board Meeting  
Date of meeting: April 30, 2018  
Location: SCVWA  
Board meeting to be presented at: May 1, 2018

**Points of interest:**

A meeting of the Santa Clarita Valley Groundwater Sustainability Agency (SCV GSA) was held on April 30, 2018 in the SCVWA Board room. The major agenda items were as follows:

1. Update on development of a joint exercise of powers agency to serve as a permanent structure for the SCV GSA. The update was presented by Joe Byrne.
2. Describe the approach to initiate Groundwater Sustainability Plan (GSP) development and obtain Board feedback and direction. The presentation was made by Rick Viergutz.

**Highlights:**

1. The GSA Board concurred with the staff recommendation on the following actions going forward:
  - Hold a public workshop and file the required notification of GSP Development with DWR.
  - Finalize JPA agreement and proceed with SCVWA providing administrative services and overseeing preparation of a Draft GSP.
  - Complete development of a GSP work plan.
  - Issue the RFP for development of a GSP.

DIRECTOR AB 1234 REPORT

Director Name: DEAN D. EFSTATHIOU

Meeting Attended: QUARTERLY S.C.W.C BOARD MEETING

Date of Meeting: APRIL 20, 2018

Board Meeting to Be Presented At: MAY 1, 2018

Points Of Interest: KARLA NEMETH DIRECTOR OF WATER RESOURCES MADE A PRESENTATION REGARDING THE LATEST DEVELOPMENT OF THE CALIFORNIA WATER FIX. A WHITE PAPER REGARDING THE STORMWATER CAPTURE WAS DISTRIBUTED & DISCUSSED THE BOARD OF SUPERVISORS OF L.A. COUNTY WILL HOLD A HEARING ON JUNE 26 TO CONSIDER ADOPTING A RESOLUTION TO PLACE THIS PLAN IN THE NOVEMBER 2018 BALLOT. THE MEASURE IS A PROPOSED PARCEL TAX OF BETWEEN 3 & 4 CENTS PER SQUARE OF FOOT DEEMED IMPERMEABLE TO WATER. THIS BILL WILL GENERATE UP TO 400 MILLION ANNUALLY. & WILL ENABLE THE COUNTY TO COLLECT UP TO 300,000 ADDITIONAL ACRE-Feet OF STORM WATER A YEAR TO MEET THE NEEDS OF ABOUT 2.5 MILLION PEOPLE. THE AVERAGE TAX BILL WOULD RANGE FROM \$50 TO \$70 A YEAR FOR A TYPICAL SINGLE-FAMILY HOUSE & \$14,000 A YEAR FOR A COMMERCIAL BUILDING.

DIRECTOR AB 1234 REPORT

Director Name: DEAN D. EFSTATHIOU

Meeting Attended: S.C.W.C LEGISLATIVE TASK FORCE MTG

Date of Meeting: 4-30-2018

Board Meeting to Be Presented At: MAY 1, 2018

Points Of Interest: COMMITTEE DISCUSSED MAJOR LEGISLATIVE BILL THAT ARE PENDING IN THE LEGISLATURE PARTICULARLY AB 3057 (QUIRK-SILVA) WAS DISCUSSED & WAS SUPPORTED BY THE COMMITTEE. THIS BILL WOULD AMEND THE CALIFORNIA REVENUE & TAXATION CODE TO CONFORM TO FEDERAL INCOME TAX LAW BY EXEMPTING NOT-FOR-PROFIT MUTUAL WATER, OR IRRIGATION CORPORATIONS FROM CALIFORNIA INCOME TAXES & FRANCHISE FEES

Please Attach Agenda or Brochure if Available.