

<b>ITEM NO.</b> <b>11.1</b>
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NAME; Jerry Gladbach

MEETING ATTENDED: ACWA's Business Development Committee

DATE OF MEETING: March 15 2018

BOARD MEETING TO BE PRESENTED AT: April 3, 2018

POINTS OF INTEREST: The purpose of the committee is to come up with ideas to increase revenue other than dues.

Some ideas are to send a survey to members to determine what products or services members use and with that information to determine if there is an opportunity to contact the state and or national trade associations, such as the American Concrete Institute, to invite them to be Associate Members

The committee is also considering developing a logo for ACWA's Preferred Providers to put on their letterhead, as a means of making this program and the preferred providers a more attractive program and to attract more participants

This is a very important committee to keep the dues as low as possible

I was invited by ACWA to be on this committee when it was originally formed, and I appreciate the opportunity serve on it

## Lynne Plambeck AB1234 Report

I attended the meeting of the Southern California Water Dialogue  
“Why Understanding Atmospheric Rivers is Important”

Wednesday, March 28, 2018 12:00–1:30 p.m.

Location:

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

This presentation explained what an “atmospheric river” is (an airstream that carries water from the equator to other parts of the globe) and what the science is behind it, how it is modeled and how it enables weather experts to predict rain with greater certainty and with a longer prediction period. An atmospheric river is a long, narrow band of water vapor that can stretch thousands of miles across tropical oceans toward land carrying up to 20 times as much water as the Mississippi River. This science has made it possible to predict heavy rainfall further in advance and with greater accuracy.

The California Dept of Water Resources is partially funding studies of atmospheric rivers because accurate prediction of heavy rains allows water in dams to be spilled only when such reduction is really needed, whereas prior to these better prediction capabilities, dams had to be spilled at a certain time for safety without any knowledge as to whether more rain would really arrive or not.

Atmospheric rivers are affected by climate change. Scientists predict that the rainfall they produce will become more intense as the planet warms. The width of the bands of heavy rain is also predicted to become wider.

Speaker:

Dr. Duane E. Waliser, Chief Scientist, Earth Science and Technology Directorate, NASA/JPL

**DIRECTOR AB 1234 REPORT**

**April 3, 2018**

**Director Name:** Jacquelyn McMillan  
**Meeting Attended:** Southern California Water Dialogue  
**Dates/Times:** March 28, 2018 from 12-1:30pm  
**Presented at:** Metropolitan Water District  
**No. of Attendees:** 30  
**Brochure/Agenda:** Highlight below  
**Points Of Interest:** See below

The guest speaker was Dr. Duane Waliser is Chief Scientist, Earth Science and Technology Directorate, a Visiting Associate in the Geological and Planetary Sciences Division at Caltech and an Adjunct Professor in the Atmospheric and Oceanic Sciences Department at UCLA. He is known as the father of the concept of atmospheric rivers (AR) event. Dr. Waliser and his team have been studying these storm systems using the latest instruments to measure temperature, wind, humidity and pressure in the rivers. From the resulting data, they hope to better understand the weather systems and improve their predictive modeling. The presentation was highly technical and interesting.

- An AR is a long, narrow band of water vapor that can stretch thousands of miles across tropical oceans toward land
- ARs can carry up to 20-times as much water as the Mississippi River.
- His presentation focused on transport pathways of water vapor associated with landfalling atmospheric river (AR) events that result in precipitation along the West Coast of the U.S. for winters of 1997–2010 (a total of 140 events).
- While only a few make landfall in California each year, they are responsible for 50% of our precipitation.
- The pathways are determined by computing back trajectories via various models and then looking for clusters.
- The majority of AR events (86%) over the West Coast are grouped into three trajectory types, and two of them are closely associated with the AR events.
  1. Ascending near landfall and of Tropical Origin (AT)
  2. Ascending near landfall and of Extratropical Origin (AE), and
  3. Descending or parallel near landfall and of Extratropical Origin (DE), which is accompanied but not directly associated with the AR events
- The magnitude and spatial distribution of precipitation of a given AR event are found to be strongly determined by the type of trajectories
- AR events composed of both AT and AE trajectories have more frequent precipitation over a broad region of the western U.S. and AR events composed of both AT and DE trajectories have intense precipitation over the southwestern U.S. due to AT trajectories. AR events of AT-only trajectories have intense precipitation,

DIRECTOR AB 1234 REPORT

Director Name: Bill Cooper

Meeting Attended: ACWA Board Meeting Sacramento.

Date of Meeting: 3/29 & 3/30

Board Meeting to Be Presented At: 4/3/18

Points Of Interest: I was asked to attend in place of the ACWA Region 8 Board President Steve Blois. While discussion on the ACWA strategic occurred The most interesting discussion was regarding the retirement of the ACWA Executive Director Tim Quinn at the end of the year and how to replace him. It will be a nationwide search to recruit the replacement but have them start as Assistant Executive Director and work along with Tim to the end of the year. At that time it will be changed to Executive Director and the new leader can recruit for an Assistant to replace Jennifer Persike. Also had Assemblymember Blanca Rubio of the Balodwin Park area speak on water issues. She is a first term Assembly member but is very interested in water and would like to champion water issues.

Please Attach Agenda or Brochure if Available.