

**CA-NV AWWA**  
**METER COMMITTEE**  
SUB-COMMITTEE OF OPERATORS DIVISION  
**2017 MEETING MINUTES**

October 23, 2017

- I. **Pre-Meeting Start** (Review Summer Meeting Minutes)
- II. **Greeting & Introduction**
  - a. Meeting called to order by Michele Harvey at 3:01 PM.
  - b. Round table introductions – 30 in attendance – attendance sheet passed around – 12 utility personal present and 18 manufactures representatives. (*Attendees that signed in on list*)
  - c. Committee Chair – Michele Harvey
  - d. Vice Chair – Todd Artrip
  - e. Secretary – Jeff Beckett
  - f. No Cal Delegate-at-Large, Oscar Alcantar (not present)
  - g. So Cal Delegate-at-Large, Rick Small
- III. **Review Minutes** (AWWA Chino Hills Meeting)
  - a. Motion to approve minutes was made.
  - b. All attendees were in favor of approval.
- IV. **Reviewed Technical Sessions for Wednesday October 25<sup>th</sup>**

(Michele did a quick review of our technical sessions)

  - **Managing Construction Meters: A Case Study – Dan Baker & Paul LaFalce, Helix Water District**
  - **Water Loss Control: Criticality of Large Master/Production/Wholesale Meter Testing & Calibration – Michael Simpson, M.E. Simpson Co., Inc.**
  - **City of Sacramento: Meter Testing & Meter Replacement Program – Jon Conover**
  - **Benicia: A historic California city experience implementing AMI – Christian Di Renzo, City of Benicia**
  - **Advanced Fixed Networks: Kevin Barnes - Itron**
  - **Finding the Holes: Water loss pilot study South Tahoe PUD – Stephen Caswell, South Tahoe Public Utility District**
  - **New Electronic Billing Meter Standards: Shocking Utilities & Customers – Kenneth Molli, Veolia North America**
- V. **Roster / Sign-In Sheet** (Contact information, additions and omissions)
  - a. Jeff Beckett / Burbank Water and Power:
    - i. Talked about importance of getting signed in and the legibility of contact information, along with it being current.
    - ii. This helps with keeping everyone abreast of changes by email, and remove one that are no longer with their companies, utilities and or have just employment movement.
  - b. Michele Harvey / Badger Meter:
    - i. It helps to have everyone contact information.

- ii. So when other utilities have questions and or issues we can query all other utilities that might be able to answer and or have had similar issues and concerns.

#### VI. **Smaller Utilities Committee**

- a. Jeffrey Tarantino / Freyer & Laureta, Inc.:
  - i. He is the appointed committee chair person for the Small Utilities Committee and had a decent turnout for his meeting.
  - ii. Steve Twitchell was appointed Vice Chair and Kevin Barnes will be the Secretary.
  - iii. Looking to partner up with or provide technical support with other California Rural and smaller utilities including resources and technical health.
- b. Michele Harvey / Badger Meter:
  - i. Some of our off-conference meetings are also nice for smaller utilities, there not as intimidating as coming to the conferences. They don't cost any money to attend and are located in easy to get to locations.

#### VII. **Meter Testing & Calibration Workshop**

- a. Michele Harvey / Badger Meter:
  - i. We had a request come to us from Tim, to work with the meter committee and interest driven by the audit.
  - ii. Rick Small, our current delegate at large for So Cal, he will be the Sub Committee Chair for the Meter Testing & Calibration Workshop.
  - iii. We are looking for volunteers to work on this subcommittee to help with these workshops.
    - 1. Maybe limit it to 1 representative per each vendor on the subcommittee to keep a fair balance, and hopefully a lot of utilities that want to participate. (This will be up to Rick to make this decision)
    - 2. Anyone who is interested please talk to Rick.
- b. Tim Worley / CA-NV Section AWWA:
  - i. He talks about other workshops that have taken place in the past for desalinization etc... That are 1 day workshops.
  - ii. Normally there are ones in No Cal and So Cal, they have turned out from 75 to over 100 people in those workshops.
  - iii. He has heard that production meters are at the base of these audits and if you're not testing and calibrating these meters you are losing revenue.
  - iv. Touches a little bit on the marketing aspect and the venue situations.

#### VIII. **Upcoming Meetings**

- **Winter Meeting / No Cal Proposed for January 29th**
  - Michele Harvey / Badger Meter:
    - We are still looking for a host location, and breakfast / lunch sponsor from vendors.
    - The vendors who are sponsoring the meals will receive a 5 minute spot each on the agenda to talk about whatever subject they want.
    - Possibility of this to be our first attempt at having a 1 hour CUE class.
- **Spring Symposium / So San Francisco - March 27<sup>th</sup> & 28<sup>th</sup>**
  - Michele Harvey / Badger Meter:
    - We are not having Cal/NV spring conference like we normally do because we are hosting the ACE conference in Las Vegas (In June) and will have some joint sessions / tracks there.
- **ACE 18 / Las Vegas – June 11<sup>th</sup> to 14<sup>th</sup>**

- We will have a meter committee meeting at ACE, will most likely be that Monday. When we find out more information, it will be forwarded to everyone via email.
    - This will be a separate meeting for the Cal/NV Meter Committee.
- **Off-Conference CUEs**
  - Here are the off conference CEU Ideas that were submitted:
    - Developing benchmarks for time & or use to develop calibration programs for utility meters
    - Ultrasonic vs. Mag Meters
    - Developing a calibration program for single unit meters.

## IX. **Membership Drive**

- a. Michele Harvey / Badger Meter:
  - i. We have over 150 people on our roster, and we only have about 12 official members.
    - 1. I sent out a link for the site on the last email that was sent out for membership.
  - ii. When you look at member count, then look at our meetings, you would be amazed at the comparison. This would defiantly give more impact.
    - 1. You do not have to be a member of AWWA to be a member of the meter committee or the other committees.

## X. **Open Discussion**

- a. Theresa Whatley / Castaic Lake Water Agency
  - i. We recently were Valencia Water Co., and have now joined with Newhall Water & Santa Clarita Water (Basically all of Santa Clarita Valley) to be a part of Castaic Lake Water Agency.
- b. Nancy Jenkins / The Best Meter Co.:
  - i. We have a small Ultrasonic water meter coming out at the end of the year, they will be up to 1".
- c. Brian Helphand / Badger:
  - i. We have a new distribution point headed out of West Sacramento.
- d. Ross Thompson / Diehl Metering US:
  - i. We now have Ultrasonic meters from 5/8" through 2" in the US.
- e. Kevin Cornejo / Mueller Systems:
  - i. We will be announcing shortly solid-state metering from 5/8" through 2".
  - ii. We are moving towards new distribution with Corix Meter Products
- f. Cam Paulsen / Itron:
  - i. Itron Riva system in an Open Standard Solution – can be used with other systems and is compatible various equipment from other utilities. .
- g. Kevin Barnes / Itron:
  - i. Have a full deployment out for our AMI Riva system in the ground and working.
- h. Mike Simpson / M.E. Simpson Co. Inc.:
  - i. Talks about the importance of testing production and master meters, this is imperative for water audits.
  - ii. Also talks about the proper way to test these types of meters and why.
- i. Bob Janowski / City of Napa.:
  - i. Talks about the water loss to tap program and how important it is to identify metering issues.
  - ii. You should put this type of testing in your yearly maintenance program to keep a better audit program.

- j. Pat Ryan / City of Folsom:
  - i. We are about 8 months into our large meter testing program, and currently have about 60 + tested at this time. We have been running into issues with the low flow and not starting to register until 10-13 gpm.
  - ii. They are looking into hourly data profiling to try and see when the flows vs no flow at all. Have looked into data loggers and they are a bit pricy.
- k. Christine Boyle / Valor Water Analytics:
  - i. Talks about automated apparent water loss software innovations and hidden revenue locator.
- l. Ken Molli / Veolia North America:
  - i. He sits on the AWWA meter standards committee, he will address the drafts standard that recently passed at the June Conference in his sessions later on in the week.
  - ii. The M6 Manual updates coming up in 2019 should address issues and concerns about proper meter testing, standard equipment used, Mag meter & Ultrasonic meter testing.
- m. Joe Berg / MWD of Orange County:
  - i. Will be doing a session on metering control and water loss audits including revenue optimization and large metering and small metering accuracy.
- n. Rick Smalls / City of riverside:
  - i. Was in question about the meeting minutes from the summer session from Todd regarding UL rated meters for fire services, what prompted the discussion and where the push was for UL coming from.
- o. Todd Artrip / Sacramento Suburban Water:
  - i. Touching base on Rick's question - Our engineering knew there was some venders out there having UL rated fire meters. Just wondering where there liability stops and or where everybody is at on this.

### **Meeting Adjourned 3:53pm by Michele Harvey**

**Attendees:** *Note: Attendees that signed in are on list*

Artrip, Todd	Sacramento Suburban Water
Barnes, Keith	Itron
Beckett, Jeff	Burbank Water and Power
Berg, Joe	MWD of Orange County
Bortoletto, Mike	Ferguson MAG
Boyle, Christine	Valor Water Analytics
Cornejo, Kevin	Mueller Systems
Dennis, Steve	M.E. Simpson Co. Inc.
Dunbar, Brian	SJWC
Harvey, Michele	Badger Meter
Helphand, Brian	Badger Meter
Huizenga, Bob	Burbank Water and power
Janowski, Robert	City of Napa
Jenkins, Nancy	The Best Meter Co.
Khanjian, Gary	Armorcast
Molli, Ken	Veolia North America

Paulson, Cam  
Phillips, Charles  
Porras, Pedro  
Pour, Sean  
Relyea, Richard  
Ryan, Patrick  
Simpson, Mike  
Smalls, Richard  
Soghomonian, Raffi  
Tarantino, Jeff  
Thomson, Ross  
Treece, Torre  
Whatley, Theresa  
Worley, Tim

Itron  
Itron  
Otay Water District  
Hazen and Sawyer  
MC Engineering  
City of Folsom  
M.E. Simpson Co. Inc.  
City of Riverside  
Armorcast  
Freyer & Laureta, Inc.  
Diehl Metering US  
Mueller Systems  
Valencia Water Co.  
CA-NV Section AWWA