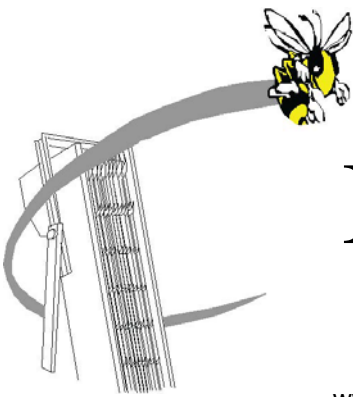


July 2018



# BARSCREEN BEE

The Official Newsletter of the Northern Sacramento Valley Section  
of the California Water Environment Association



[www.cwea.org/nsv](http://www.cwea.org/nsv)

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Tracy Wyhlidko  
Email: [Newsletter.Editor.CWEA.NSVS@outlook.com](mailto:Newsletter.Editor.CWEA.NSVS@outlook.com)  
(530) 224-4319 or email:  
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Web site manager:  
Open...

### WWW.CWEA.ORG/NSV

The Barscreen Bee is a publication of the Northern Sacramento Valley Section of the California Water Environment Association.



## Welcome to Oroville for Training

**Tuesday, July 17, 2018**

Feather River Tribal Health

2145 5th Avenue, Oroville, CA

8:30 **SIGN-IN and NETWORK** with your peers over coffee & donuts.

9:00 **RELEVANCE OF CWEA TO YOUR JOB TODAY**

Debi Lewis, Past President of CWEA

9:50 **SAVE ENERGY THROUGH AERATION BLOWER REPLACEMENT**

Brianna Barton, P.E., Engineer, Carollo Engineers, Inc.

10:40 **POSITIVE DISPLACEMENT PUMPS AND THEIR APPLICATION**

J.J. Jeffries, Rockwell Solutions

11:30 **UPGRADE AT THE GALT WWTP FOR NITROGEN REMOVAL**

Alex Fastro, CPO, Galt WWTP

12:40 **LUNCH \$10, cash or check payable to CWEA NSVS**

1:30 **TOUR- BOLT'S ANTIQUE TOOL MUSEUM**

1650 Broderick Street, Oroville, CA 95965 (530) 538-2528

**Attendees of technical sessions will be issued up to four Continuing Education contact hours toward CWEA Technical Certification and or 4 SWRCB education points toward wastewater certification.**

To find out if a class qualifies for CWEA continuing education in your area of certification, go to the CWEA web site. Click on Certification - Wastewater Trainers and Educators - CWEA Trainers- Training Subjects, for list of class subjects.

All wastewater relevant sessions count as one education point per 50 minute presentation for the purpose of SWRCB operator certification.

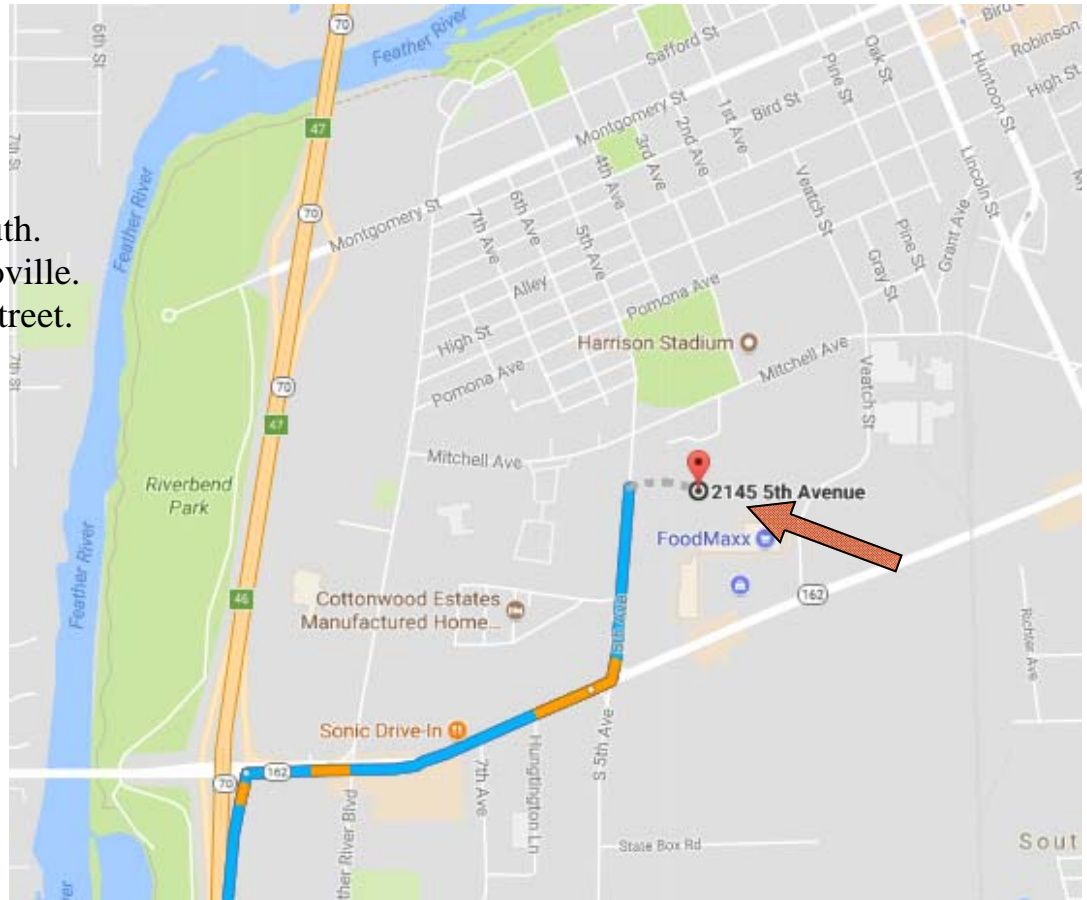
Directions to the Training at Feather River Tribal Health 2145 5th Avenue, Oroville

From the North:

Take I-5 south to Hwy 99 south. Follow to Hwy 149/70 to Oroville. Take exit #47 Montgomery Street. Turn Right on 5th Ave Destination is on the left past Mitchell Ave.

From the South:

Take Hwy 70 to Oroville. Take exit #46 to Hwy 162 Turn Left on 5th Ave Destination is on the Right



Congratulations to Brandon Bishop, City of Redding Industrial Waste Analyst for being awarded 2nd place in the STATE by CWEA for the Pretreatment Pollution Prevention & Stormwater (P3S) Person of the Year.



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# NSVS Calendar of Events VOLUNTEERS

July 17, 2018 Training, Oroville  
Aug 14, 2018 Board Meeting  
Sept 18, 2018 Training. Redding  
Oct 16, 2018 Board Meeting  
Nov 13, 2018 Training, Location Needed  
Dec 11, 2018 Board Meeting  
Jan 19, 2019 Dinner Banquet at Sierra Nevada Brewery, Chico, CA 5-8 pm  
Board meetings held at 10:00-12:00,  
Various locations. Contact  
[twyhldko@cityofredding.com](mailto:twyhldko@cityofredding.com) for  
location information.  
Members always welcome

## NEEDED:

**2-Year Director: Attends board meetings, trainings, helps direct future training content.**

**Website Manager: Updates website using "Word Press" software, updates Facebook page for local section.**

Contact any of the NSVS Executive Board members on page 1 if interested.

Mark your calendar!  
2019 Annual Banquet  
Saturday January 19, 2019, 5-8 p.m.  
Sierra Nevada Brewery, Chico, CA



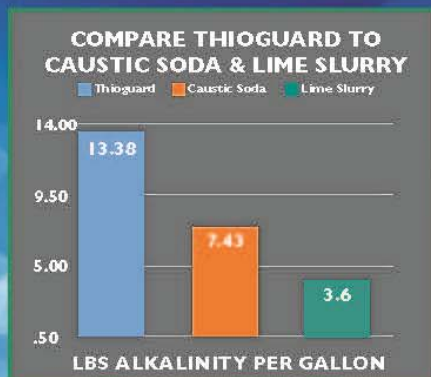
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CALIFORNIA WATER ENVIRONMENT ASSOCIATION  
NORTHERN SACRAMENTO VALLEY SECTION  
Training Day Report, May 22, 2018  
City of Colusa, Colusa City Hall  
By Ryan Bailey

We would like to thank Jesse Cain and staff at City of Colusa for hosting the CWEA NSVS training day on May 22<sup>nd</sup>, 2018. The attendance was great with 31 members present. The tour was educational and lunch was delicious.



The morning began with Mr. Kevin Peters and Scott Davis from R.F. MacDonald (via brief stop at Yuba City) presenting, “Non Metallic Pump, Valves, and Piping Options.” Mr. Peters described the many non-metallic pump options from Ceco Global including the U.S. made Fybroc FRP Pumps. These pumps come in many varieties such as horizontal, magnetic drive, self-priming, and vertical cantilever sump pumps. Non-metallic pumps are ideal for highly corrosive environments such as acids, bleaches, and salt water. Mr. Scott Davis followed providing information on NOV Fiber Glass Systems and Pureflex Valves. The fiberglass piping offers an economical

alternative to carbon steel piping. Fiberglass piping is light weight, has superior flow characteristics, and easy to install. Pureflex are advanced composite (non-metallic) valves. They are available in butterfly, ball, or check valve options. Altogether a well representation of non-metallic pumping, piping and valve options.

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## Training Day Report, May 22, 2018, continued



Second, Ms. Michelle Beason, P.E., Regional Manager for National Plant Services presented, “New Technologies for Asset Management of Collection Systems.” Ms. Beason described the many options for maintenance, repair, and replacement for collections systems. From CCTV, cleaning, lining, and injection grouting, the trenchless options are many. She presented a Jet Vac truck system that uses recycled water with an integrated pump for bypass pumping. The truck can go all day from a single water tank

fill-up. Ms. Beason explained the benefits of a standard PACP rating system in addition to the latest CCTV camera technologies. Sonar technology has come a long way and is an additional option for viewing larger pipes with flow. She wrapped up the presentation with trenchless repair options including injection grouting, lining (including laterals), and spin-cast. The technologies in collection system asset management truly have come a long way.

The third and final presentation was by Mr. Dan Rich, P.E. and Mr. Mark Cocke, P.E. of NEXGEN Utility Management entitled, “City of Colusa’s Upgrade to Recycled Water.” The presentation focused on the challenge of high groundwater on a multifaceted wastewater treatment plant construction project. The City of Colusa has been constructing improvements to its wastewater treatment plant that enhance nitrogen removal, increase aeration and clarification capacity, and allow the City to seasonally store



tertiary effluent prior to reuse onto nearby farmland. The current upgrades are being funded through SWRCB SRF grants and low interest loans. The wastewater treatment plant located in the Colusa Basin experiences groundwater to a depth as shallow as 5-feet below the surface. This has created problems on existing facilities (storage basins, clarifiers, etc.) and throughout the construction process. Groundwater pumping wells in addition to trenches constructed around work sites to capture and move groundwater were common features. With Dan as the Design Engineer and Mark the Construction Manager for the project, they gave a clear picture of handling groundwater from design through construction. The presentation helped transition right into the following tour.

## Training Day Report, May 22, 2018, continued



Mark led the tour at the Colusa Wastewater Treatment Facility, with assistance from Dan, Jesse, and staff. Mark described the treatment process, while showcasing the recent improvements to the plant, in addition to the construction hurdles along the way. Since it was an active construction site, we were fortunate to see the improvements in process. Jesse and staff were available to answer operational questions with Dan describing the design details. It made for a very well rounded educational tour. After the tour, the training day was concluded back at Colusa City Hall with a wonderful lunch provided by Don Habanero's.





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\*Per *Engineering News-Record*, April 25/May 2, 2016, "Top 500 Design Firms" ranking.

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# JOB ANNOUNCEMENTS found on [www.CAWaterJobs.org](http://www.CAWaterJobs.org)

Posted May 10, 2018

## Electrical Technician

### City of Chico

Chico, CA, USA Full Time

Compensation: \$53,185.60 to \$71,260.80 Annually



Posted May 10, 2018

## Environmental Program Specialist

### City of Davis

Davis, CA, USA Full Time

Compensation: \$5 Monthly



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Posted May 04, 2018

## Chief Plant Operator

### City of Nevada City

Nevada City, CA, USA Full Time

Compensation: \$75,074 to \$91,254 Annually



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Posted July 02, 2018

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Posted May 31, 2018

## Laboratory Analyst I/II

### City of Vacaville

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Posted June 22, 2018

## Laboratory Supervisor

### City of Vacaville, Utilities Department

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**Submit application and payment to the NSVS Secretary/Treasurer:**

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