

November 2024



# BARSCREEN BEE

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



<http://nsvs.cwea.org/>

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<http://nsvs.cwea.org/>

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

## Welcome to In-Person Training Wednesday, November 13, 2024 At the "Old Gym" 1491 E Street Williams, CA

**8:30 - 9:00 Sign in and Network with drinks and pastries**

**9:00 - 9:50- Rianna Laughridge- Emerging Leader, City of Woodland**

**10:00 - 10:50- Dennis Gordon- Emergency Stand By Power Supply Considerations**

**11:00 - 11:50 - Kwin Peterson-I&I Monitoring with High-Density Sensor Networks**

**11:50 - 12:30 LUNCH \$15, credit cards are accepted**

**1:00 Morning Star Tomato Processing Plant Tour  
2211 Old Hwy 99W, Williams, CA 95987**

### Questions?

Contact Kevin Garner, President (contact info on left side-bar)

### RSVP

RSVP is not required, but helps with the lunch ordering.  
Please call or email Tracy Wyhlidko 530-224-4319 or  
twyhlidko@cityofredding.org if you know you will be attending.

We are looking forward to seeing you at the training.

**Attendees of technical sessions will be issued Continuing Education contact hours toward CWEA Technical Certification**

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Inquiries for Northern California:

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[sheila.nilsen@jacobs.com](mailto:sheila.nilsen@jacobs.com)



**CWEA**



## CALL FOR NOMINATIONS

# CWEA AWARDS

### STEPS TO APPLY

#### STEP 1

Find your Local Section and their award deadline, typically fall/winter.

#### STEP 2

Review the criteria at [awards.cwea.org](https://awards.cwea.org) and gather the detailed information.

#### STEP 3

Click Apply.

#### STEP 4

Select the category.

#### STEP 5

Complete the online application.

#### STEP 6

Local Section winners announced in December and January and forwarded to the State for review.

#### STEP 7

State winners announced in March. Good luck!

The CWEA awards have been **recognizing excellence for over 94 years, honoring individuals, agencies, and companies across the state** that are leading California in engineering, wastewater operations, collection systems, laboratory, and pretreatment programs.

The highest score in each section for each category will move on to the State level automatically. There is no need to submit another application at the state level with the exception of Collection System of the Year and Safety Plant of the Year where a second round of questions will be made available to complete the application.

**Northern Sacramento Valley Section Award nominations are open through November 8, 2024.**

Please contact

**Nikki Ong, Secretary/Treasurer (910) 576-4726 [nong@carollo.com](mailto:nong@carollo.com) or Tracy Wyhlidko, Newsletter Editor (530) 224-4319 [twyhlidko@cityofredding.org](mailto:twyhlidko@cityofredding.org) with any questions.**

IT'S EASY TO GET STARTED AT  
[awards.cwea.org](https://awards.cwea.org)



**GAIN THE  
RECOGNITION  
YOU DESERVE**

# NOMINATE YOUR CO-WORKERS FOR CWEA NSVS AWARDS! Due November 8, 2024.

NSVS award winners are automatically forwarded to the larger CWEA state competition.

- 1) Visit the website  
<https://www.cwea.org/awards/award-listings/>
- 2) Find Category information
- 3) Click APPLY button on category page
- 4) Log in using the same credentials as [MyCWEA.org](https://www.cwea.org)  
(typically you log in with your email address and your CWEA membership number as the password)
- 5) Fill Out Application
- 6) Click **Save and Finalize** to submit
  - Community Engagement & Outreach
  - Tertiary Recycled Water Plant of the Year
  - Photo Contest
  - Gimmicks and Gadgets
  - Emerging Leaders
  - Safety Plant of the Year (Small, Med, Large)
  - Supervisor of the Year
  - Plant of the Year (Small, Med, Large)
  - Golden Manhole
  - Quarterly Century
  - Outstanding Young Professional of the Year
  - P3S (Pretreatment) Person of the Year
  - Laboratory Person of the Year
  - Collection System Person of the Year
  - Operator of the Year
  - Mechanical Technician of the Year
  - Electrical Instrumentation Person of the Year
  - Collection System of the Year (Sm, Med, Lg)
  - Laboratory Person of the Year
  - Outstanding Young Professional of the Year
  - Dr. Jenkins Research Achievement
  - Dr. Jenkins Engineering Achievement

The CWEA Northern Sacramento Valley Section has four additional awards for local competition only. The nomination form for these awards is through the online link, below,

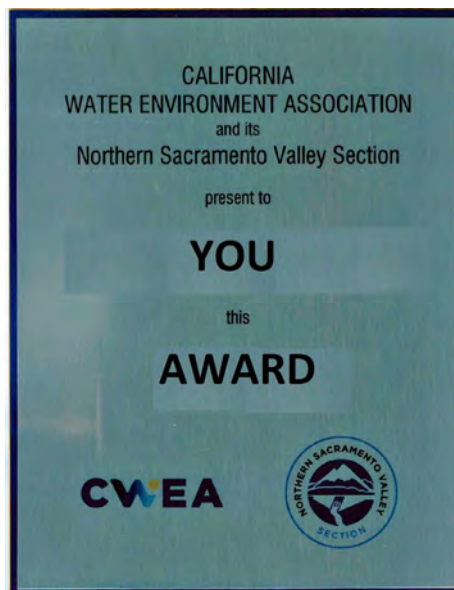
<https://forms.microsoft.com/r/D1mK2EEvt4>

or Scan the  
QR code

CWEA NSVS -  
2024 Award  
Nomination Form  
for any of the  
following four  
awards:



- Outstanding Service
- Inspirational Award
- Lifetime Achievement Award
- Administrative Professional of the Year



We are looking for a Volunteer!

CWEA Northern Sacramento Valley Section  
Board of Directors position of  
“Director”  
for calendar year 2025

Volunteers for the CWEA NSVS Director position must be willing and able to:

Attend bi-monthly board meetings  
(some are in-person and some are virtual)



Assist with Training Days  
and other Section events  
(4-6 per year)

Assist and attend the Annual  
Award Banquet

Please email Kevin Garner [kgarner@cityofredding.org](mailto:kgarner@cityofredding.org) to submit your name as a volunteer nomination or to nominate another member of the CWEA NSVS (with their permission, of course). An online election will be held in November.

Please call Kevin at 530-224-6127 or any other board member (listed on the side bar of page 1) with questions.



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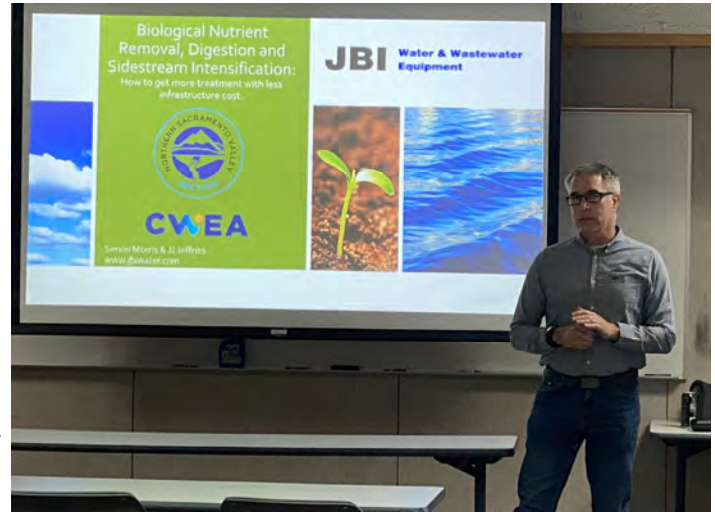
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### •About Us

•Our coverage area includes California, Nevada, Arizona, Washington, Oregon, and Hawaii. Our core values of teamwork, integrity and dependability guide us as we continue our tradition of representing the leading manufacturers of innovative process solutions for our clients.

# Training Day Summary from the July 10, 2024 in Chico by Sheila Nilsen, Jacobs Engineering

Simon Morris, with JBI Water, presented, “Digester Optimization and Side-stream Treatment.” Digester concerns include nutrient limits, biosolids disposal regulations, per- and poly-fluoro alky substances (PFAS), and green house gas (GHG) concerns for future biosolids application alternatives. He presented on 3 technologies to help confront these concerns. First, the membrane aerated Biofilm Reactor (MABR) technology for improving



treatment capacity in the biological process, while reducing air (and therefore energy) requirements and increasing the capacity for nitrogen removal. Secondly, digester optimization was discussed. Alternatives include adding mixing, thickening of digested waste activated sludge (WAS), and improving the headworks design to reduce grit and ragging in the digester, reducing maintenance issues. Lastly, he discussed the benefits of side-stream treatment for meeting nutrient removal criteria. Side-stream treatment should be focused on the digestate or dewatered centrate materials to extract nitrogen (ammonia) from the process flow that gets returned to the plant. The new bacteria explored was Anammox which can shorten the nitrogen cycle, producing less sludge. This bacteria likes high nitrate content and warm environments, making it a perfect solution for side-stream treatment.

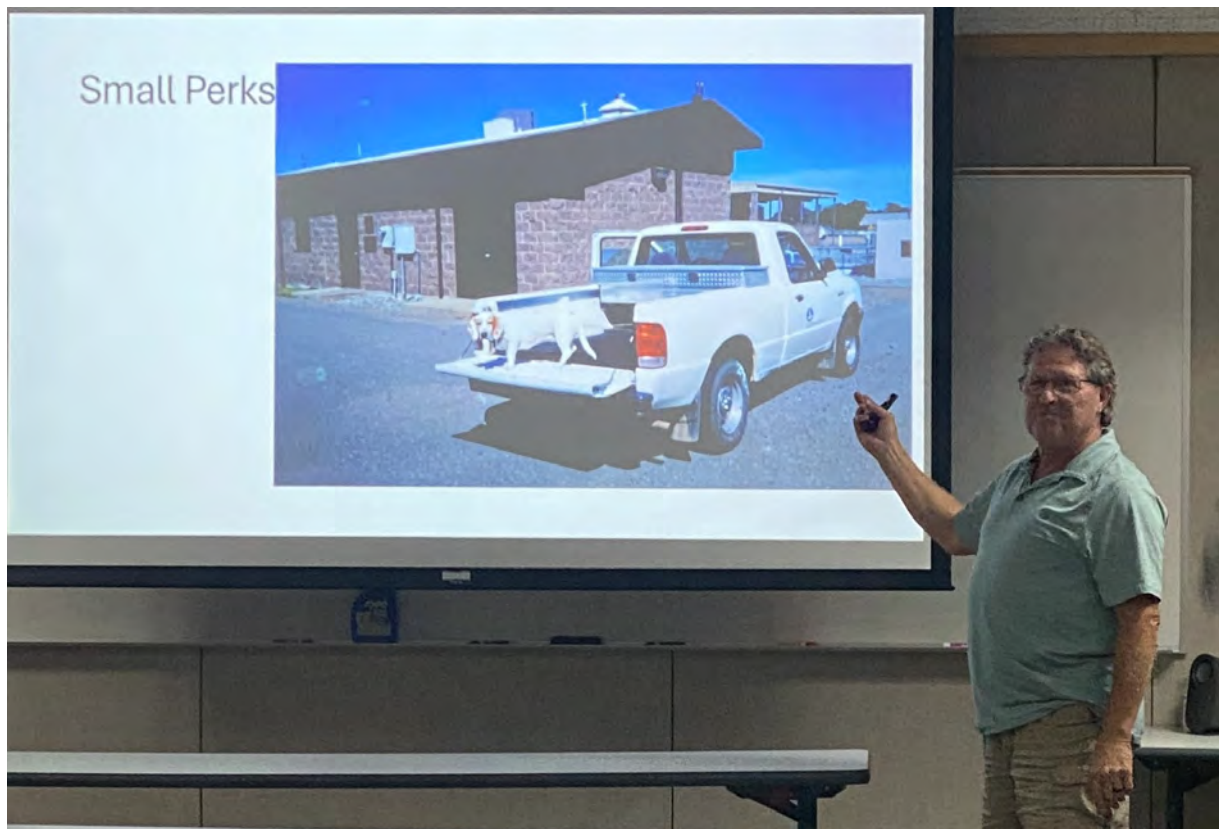


Rex Adams, of Repcor, presented, “The Benefits of Trenchless Technology for Sport Repairing Sewer Mains.” He demonstrated the process for trenchless pipe repair. The demonstration explained the Repcor trenchless pipe repair kit contents, other useful items to the repair process, and the process recommended to

complete the repair. His presentation was very interactive with the audience, and Kevin Garner with City of Redding shared some interesting lessons-learned from his crew using the same product. The repair process can be completed while the sewer remains online, and is completed after a couple hours of cure-time.

# Training Day Summary from the July 10, 2024 in Chico ...continued...

John Dobson, who is nearing his retirement, presented, “Wastewater Equipment Upgrades through the Decades”. He discussed the changes in wastewater treatment and technology during his career spanning 3 decades. He showed photos of technology improvements of the years, including communication and data recording instruments. He reviewed how job education has changed, like the wealth of knowledge available for free on Youtube, and how internet and cell phones have greatly impacted the operations of Wastewater staff. He touched on some of the panic moments he experienced in his career, including Y2K, AIDS pandemic, and recently COVID. At the beginning of each pandemic, it was not clear whether there could be potential exposure to operators from virus in wastewater. Thankfully, each of those viruses were found to be inactivated in wastewater. He explained some of the program he is proud of starting during his career, including 2 at 2, which refers to ensuring that the wastewater treatment plant has 2 parts per million (ppm) of Free Chlorine concentration at 2:00 pm, valve identification, and valve exercising programs. He has been honored by CWEA with a variety of awards and has volunteered with CWEA for most of his career. For the future of wastewater treatment, he expects development in the biosolids industry, argues for wage increases for wastewater treatment operators, and for municipalities to invest in their critical wastewater treatment infrastructure by maintaining steady increases in sewer connection fees.



....and he was allowed to take his dog to work, back in the day....





**GRANITE**

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When you do something twice in two years, it becomes an Annual event, right?



## Annual Golf Tournament

The Links at Rolling Hills  
2657 Everett Freeman Way, Corning CA



Friday, September 27, 2024 - 9AM Shotgun Start





**CWEA**

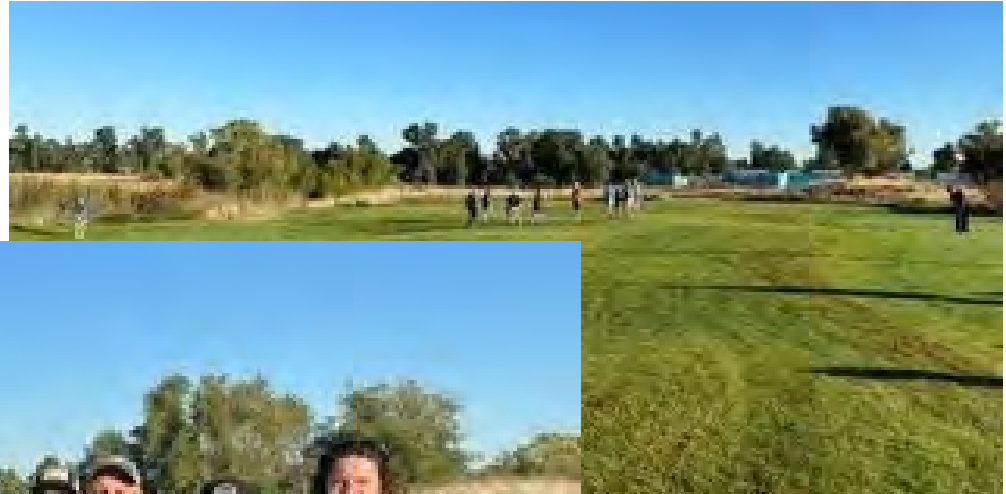
# Annual Golf Tournament

The Links at Rolling Hills

2657 Everett Freeman Way, Corning CA



Friday, September 27, 2024 - 9AM Shotgun Start



# NSVS Calendar of Events

- Nov 8, 2024 Award Nomination Deadline
- November 13, 2024, Wednesday, Training in Williams, CA
- December 11, 2024 Wednesday, 11:00am — 1:00pm Board Meeting
- Annual Awards Banquet January 2025. 5-8:30 pm Date and Location TBD


*November 2024*

Su	Mo	Tu	We	Th	Fri	Sa
					1	2
3	4	5	6	7	8	9
10	1	1	1	1	1	16
17	1	1	2	2	2	23
24	2	2	2	2	2	30

Board meetings are held either online or at the Blue Plate Special Restaurant, 900 Newville Rd, Orland, CA 95963.

Members are always welcome to attend the board meetings.

Please contact [twyhldko@cityofredding.org](mailto:twyhldko@cityofredding.org) or 530-224-4319, or any of the NSVS Executive board members for information regarding board meetings.




**Sean Hennessy**  
NORTHERN CALIFORNIA  
REGIONAL SALES MANAGER

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Local CWEA Northern Sacramento Valley Members were featured on the last two covers of the CWEA Clean Water Magazine  
 You can view the web-version of the magazines at  
<https://www.cwea.org/about-cwea/cwea-magazine/>



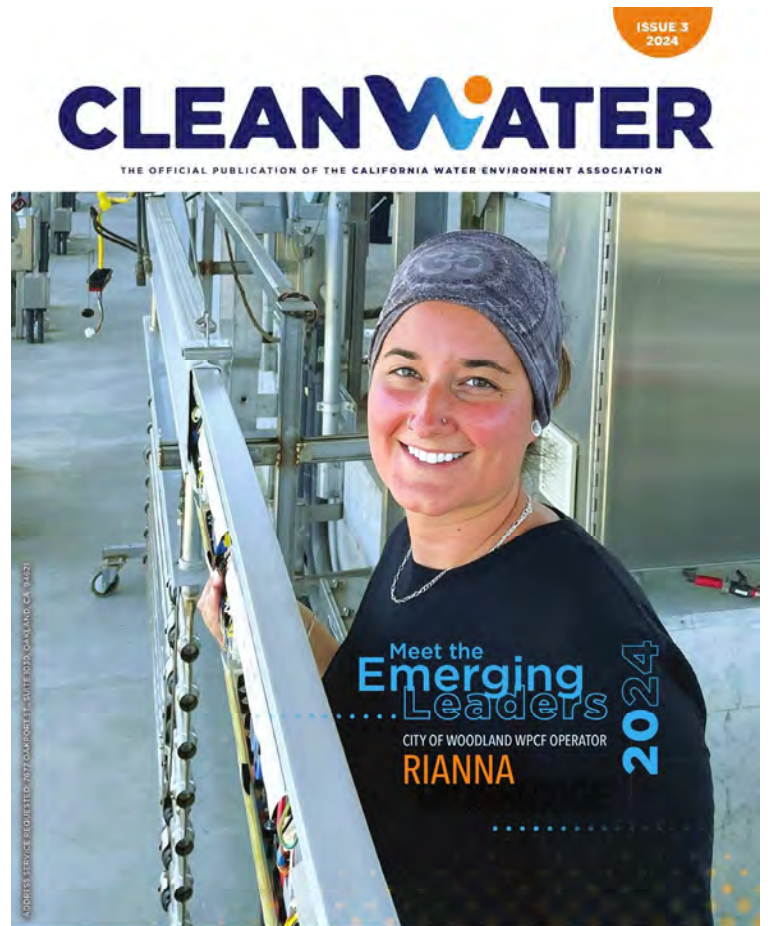
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**CWEA** INSIDE THIS ISSUE CWEA EXECUTIVE DIRECTOR/CEO JENN JONES CELEBRATES FIFTH YEAR

**CWEA** INSIDE THIS ISSUE 2023-2024 CWEA AWARD WINNERS • OC SAN'S HISTORY



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 SENIOR ENGINEER

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# Job Postings around the Northern Sacramento Valley

## City of Redding:

<https://www.governmentjobs.com/careers/reddingca>

### Associate Civil Engineer

Salary \$100,284 – 141,108

Opening Date 09/17/2024 Closing Date Continuous

### Assistant Engineer (Design)

Salary \$83,724 - \$117,816

Opening Date 09/17/2024 Closing Date Continuous

### Assistant Engineer (Construction)

Salary \$83,724 - \$117,816

Opening Date 10/25/2024 Closing Date Continuous

### Public Works Maintenance Worker, continuous recruitment

Regular Full-Time Positions \$28.20 - \$29.61 per hour

Temporary Full-Time /Part-Time Positions \$19.15 - \$21.71 per hour

## City of Chico: <https://www.governmentjobs.com/careers/chico>

### Senior Civil Engineer, Salary \$119,828 - \$160,576 continuous recruitment

Department Public Works Engineering

## City of Davis: <https://www.governmentjobs.com/careers/davis>

### Public Works Maintenance Worker I/II (Fats, Oils & Grease (FOG) Inspector),

\$21.30—28.48/hour, temporary part-time

### Public Works Maintenance Worker I/II - Temporary Part-Time (TPT),

\$23.58—31.53/hour, temporary part-time

## City of Dunsmuir <https://www.ci.dunsmuir.ca.us/employment>

Lead Wastewater Treatment Plant Operator, call for salary info. Job description is on the website.

## City of Woodland <https://www.calopps.org/city-of-woodland>

Maintenance Worker III, Public Works \$4755 - \$6069/month Open until filled



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Advertisements in the bi-monthly Northern Sacramento Valley Section (NSVS) "Barscreen Bee" newsletter may be purchased for:

- \$75 per year for a business-card size advertisement,
- \$150 per year for a half page advertisement (8.5 x 5.5 inches), or
- \$300 per year for a full page advertisement (8.5 by 11 inches).

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Submit application and payment to the NSVS Secretary/Treasurer:

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D: 916-576-4726  
Email: [NOng@carollo.com](mailto:NOng@carollo.com)

Make checks payable to: CWEA NSVS

Enclose a business card or submit electronic advertisement (jpg, gif, or pdf) to the Newsletter Editor at: [Newsletter.Editor.CWEA.NSVS@outlook.com](mailto:Newsletter.Editor.CWEA.NSVS@outlook.com).