



May 2022

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

Welcome Back to In-Person Training
Wednesday, May 18, 2022
8:30 a.m. - 1:30 p.m.
Yuba City Wastewater
Treatment Facility
302 Burns Drive, Yuba City 95991



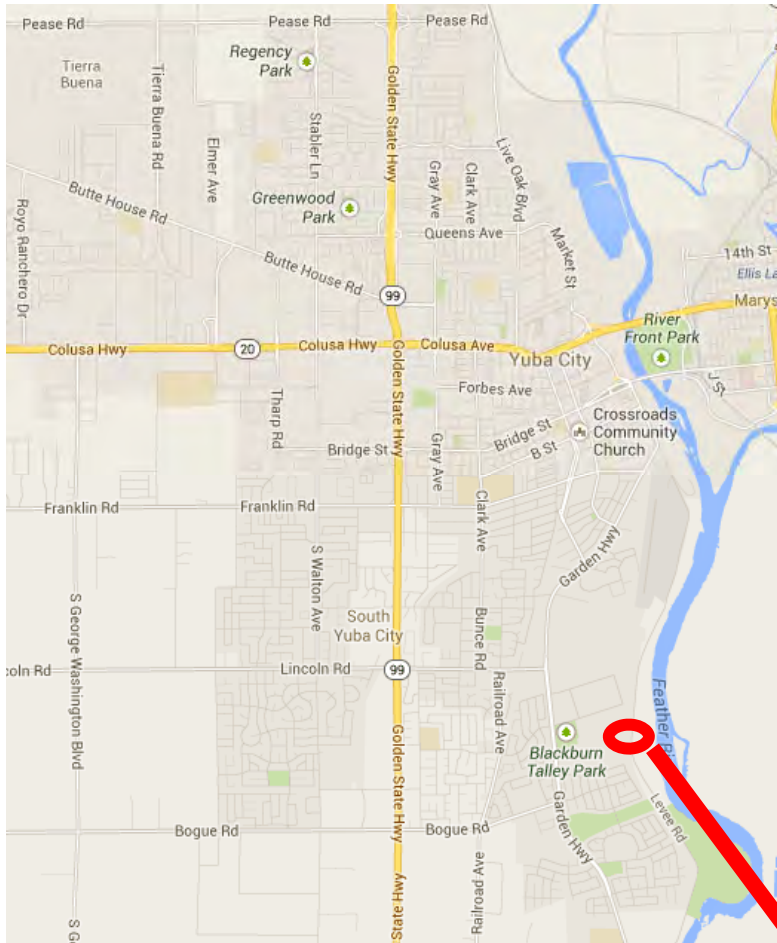
- 8:30 **SIGN IN and NETWORK** with your peers over coffee and pastries
- 9:00 **THE ALPHA-TEAM: ALPHA FACTOR TESTING FOR MAXIMUM EFFICIENCY AERATION**
Ted Couch, Project Manager, Jacobs Engineering
- 9:50 **PATHWAY TO TNI CERTIFICATION FOR WASTEWATER LABORATORIES**
Jeff Noller, Laboratory Supervisor, City of Redding
- 10:40 **AN INTRODUCTION TO DUPERON SCREENS: NEWEST INNOVATIONS IN WASTEWATER SCREENING AND LIFT STATION RAG REMOVAL SYSTEMS**
Steve Aiken, Regional Manager, Duperon Corporation
- 11:30 **LUNCH \$15**, cash or check payable to CWEA NSVS
Catered by La Unica's Fresh Mex Restaurant
- 12:30 **TOUR OF YUBA CITY WASTEWATER TREATMENT FACILITY**

Questions?

Contact Josh Vandiver, President (contact info on left side-bar)

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

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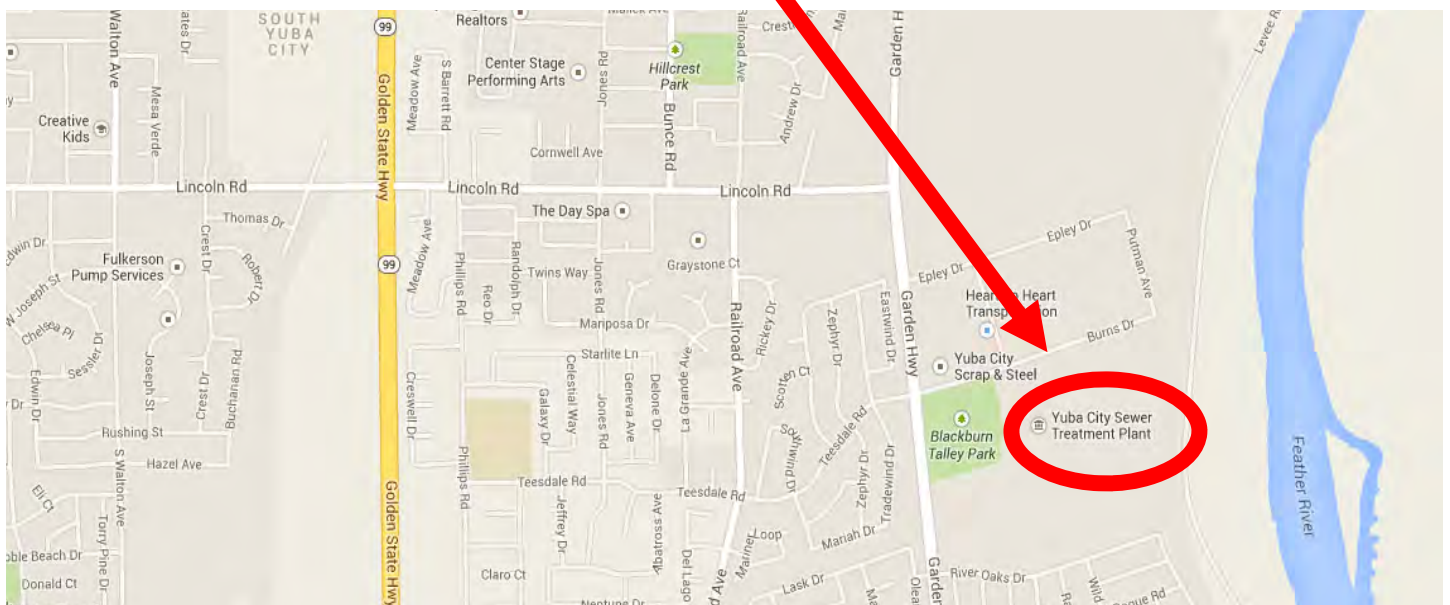
From the North:

Take I-5 to Hwy 99 South. Follow Hwy 99 to Yuba City. Turn Left on Lincoln Road, Right on Garden Highway, and Left on Burns Drive.

From the Sacramento area:

Take Hwy 99 North to Yuba City. Turn Right on Bogue Road. Turn Left on Garden Highway. Turn Right onto Burns Road.

Tour after lunch



Pumps Ragging?

Problem Solved

Case Study: Half Moon Bay CA

Problem:

- Pumps clogging usually twice per week and took 1 hour to clean each pump.
- Risk to employees lifting pumps & exposed to waste, sharps etc.
- Excess energy consumption & high energy bills.

Solution:

- DeRagger+ and Keypad installed in control Panel.
- *Real Time Pump Protection* used to detect rags and run pump reversal via VFD.

Result:

- Energy Savings: 19% or \$500 per month in PG&E bills
- Near complete reduction in ragging.
- Big savings on manpower now effectively utilized rather than for cleaning pumps. Savings at \$735 per month.
- Reduced pump Run Time with clean pump

Total cost savings as projected by sewer authority: \$14,820 per year.

"We found that the energy usage has decreased to approximately 20% which shows a \$500 savings on our PG&E bill. This is besides the fact that we have been able to save manpower and utilize them for other activities instead of the constant cleaning."

- Kishen Prathivadi, P.E, PMP, Sewer Authority Mid-Coastside

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Energy and cost saving calculations are as reported by Sewer Authority Mid-Coastside, using PG&E bills, known times for pump cleaning and appropriate hourly rates.

NSVS Calendar of Events

- Training, Wednesday, May 18, 2022, location Yuba City WWTP
- Board Meeting Thursday, June 16, 2022 10 am—12 pm, Berry Patch Blue Plate Special Restaurant, Orland
- Training, Wednesday, July 20, 2022, location Redding
- Board Meeting Thursday, August 18, 2022 10 am—12 pm, Berry Patch Blue Plate Special Restaurant, Orland
- Training, Wednesday, Sept 21, 2022, location TBD
- Board Meeting Oct 13, 2022 10 am—12 pm, Berry Patch Blue Plate Special Restaurant, Orland
- Training or Board Meeting, Wednesday, Nov 16, 2022, location TBD
- Board Meeting Dec 8, 10 am—12 pm, Berry Patch Blue Plate Special Restaurant, Orland

Board meetings are held at the Berry Patch Restaurant, now called Blue Plate Special at 900 Newville Rd, Orland, CA 95963. Members are always welcome to attend the board meetings.

Contact twyhliko@cityofredding.org or 530-224-4319, or any of the NSVS Executive board members for information regarding board meetings.





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**NORTHERN
SACRAMENTO
VALLEY SECTION
CWEA
ANNUAL
AWARDS
ONLINE AWARDS
SLIDE SHOW
MARCH 2022**



CALIFORNIA
WATER ENVIRONMENT ASSOCIATION
and its
Northern Sacramento Valley Section
present to
City of Redding
this
Collection System of the Year Medium
2021

CWEA



CALIFORNIA
WATER ENVIRONMENT ASSOCIATION
and its
Northern Sacramento Valley Section
present to
Josh Sorenson
Sewerage Commission - Oroville Region
this
Outstanding Young Professional of the Year
2021

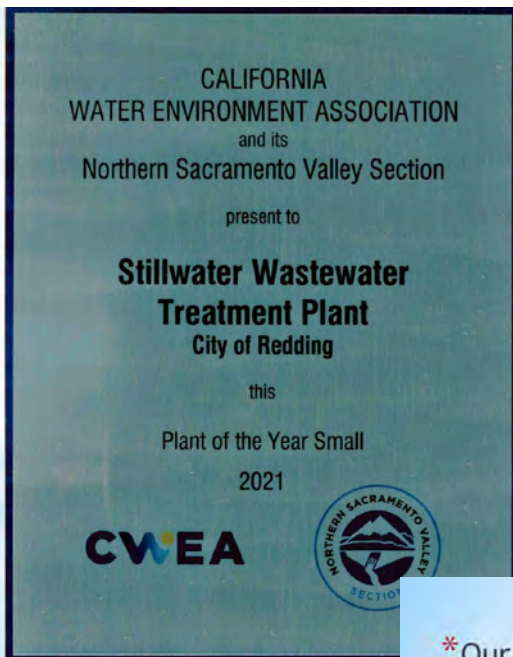
CWEA



*I appreciate the nomination. I would like to thank those above me that have guided me to be successful. I would like to thank my fellow operators and all of SC-OR's personnel in helping me achieve my goals. I am grateful for my family that have supported me and my career. I thank CWEA for recognizing myself and SC-OR and appreciate the opportunities I have been provided to allow me to be successful.

Josh Sorenson, Sewerage Commission—Oroville Region

- * I would like to express my gratitude regarding the CWEA "Collection System of the Year" award for the Northern Sacramento Valley Section (NSVS).
- * During such an unprecedented time, this award will have great meaning and represent the resilience of not only the City of Redding collection system operators but all wastewater operations as a whole.
- * I would like to thank the committee for acknowledging our teams' service, pride, and dedication. We understand that having a high-performing system not only affects the health and safety of those in our community, but also the health and safety of people statewide. For that reason alone, we will continue our commitment to excellence and will always continue the quest for perfection in our system.
- * On behalf of myself and my crew, we thank you for the selection.
- * Kevin Garner, City of Redding Wastewater Collections Supervisor

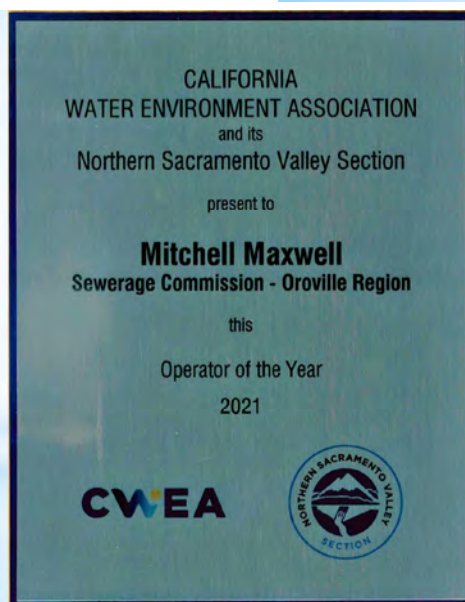


* Our Plant's Mission Statement is: To operate a first class treatment plant that meets or exceeds all regulatory standards, produces a high quality effluent, and excels with top notch teamwork.

* The Stillwater Treatment Plant team consists of eight outstanding individuals who have developed into an outstanding team. Each team member adds his unique talents, plus the initiative to use them to create a top notch wastewater treatment facility. The Stillwater plant staff is proud of our accomplishments and we are dedicated to continually work hard to set a standard of excellence in our industry.

* Our staff like to express our gratitude to CWEA for its leadership, beneficial training workshops, conferences, award recognition and the various opportunities they provide wastewater professionals to grow in our industry.

* George Coughran, Wastewater Utility Supervisor, Stillwater Wastewater Treatment Plant



* First off, I was surprised to learn I was both nominated and receiving the "Operator of the Year" award. I'm grateful that my Plant Manager, Glen Sturdevant, took time to recognize my efforts through this nomination. He is a constant source of knowledge and has always strived to nurture individual and professional growth amongst the operators at our facility. Lastly, I'm happy to receive this award from CWEA. Thank you.

CALIFORNIA
WATER ENVIRONMENT ASSOCIATION
and its
Northern Sacramento Valley Section

present to

**Clear Creek Wastewater
Treatment Plant**
City of Redding

this

Plant of the Year Medium
2021

CWEA



- * This award cannot be possible without the hard work of all departments within Clear Creek; from our Operations staff, Laboratory staff, to our Electricians, Mechanic, and Groundskeeper.
 - * We pride ourselves on consistently putting quality Effluent to the Sacramento River as well as always putting safety as number one.
 - * As a team we work together to overcome obstacles and are always working towards meeting the high standards we set for ourselves.
 - * Dealing with COVID for the last two years has created many unforeseen issues from staffing shortages to large delays in parts and equipment. Clear Creek staff overcame these challenges and persevered to get the job done.
 - * And lastly, our Operator in Training program has been a success creating a pathway for learning and developing a great team of wastewater professionals.
 - * Thank you, the recognition for our efforts is much appreciated.
- * Troy Mitchell, Wastewater Utility Supervisor, Clear Creek Wastewater Treatment Plant

CALIFORNIA
WATER ENVIRONMENT ASSOCIATION
and its
Northern Sacramento Valley Section

present to

Raul Baca
City of Chico

this

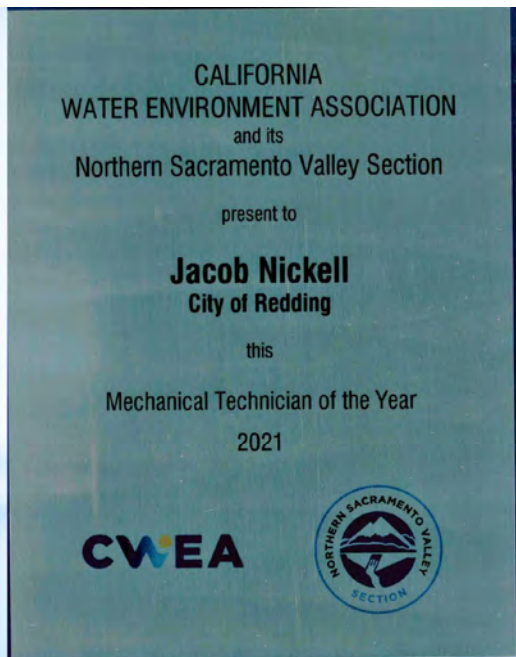
Electrical Instrumentation Person of the Year
2021

CWEA



- * Unfortunately, we did not receive an acceptance speech for Raul Baca.





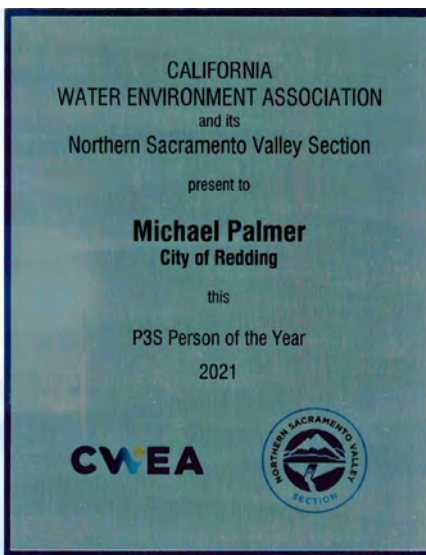
* Thank you for this award. I am fairly new to working here at the City of Redding and I am pleased to be working with them. Their support of our continued education and involvement with the CWEA and other trade-related groups allows us to be the best we can be in our fields. The team here at the Stillwater Wastewater Treatment Plant is focused on safety, teamwork, and providing the best treatment to our wastewater, and therefore protecting our natural resources and the communities that depend on the Sacramento River for water, recreation, and commerce.

* Every day I strive to prove myself through my workmanship and professionalism and then return home safely to my family so we can enjoy the natural beauty and the community where I grew up.

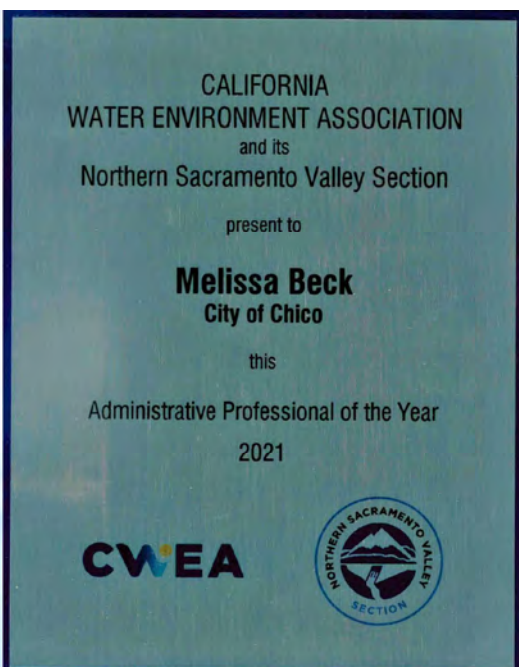
* Jacob Nickell, Plant Mechanic, City of Redding



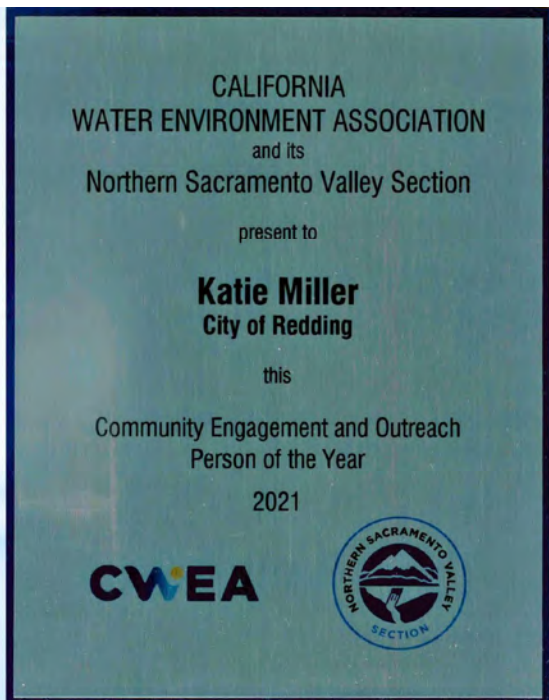
* I am grateful for the opportunity to be employed at the Sewerage Commission - Oroville Region. I am grateful for the experiences that have helped to shape my career and my life. I feel very blessed to be where I am today. I am grateful to work with my coworkers, I believe they have helped me get to where I am today. Thank you for this award.



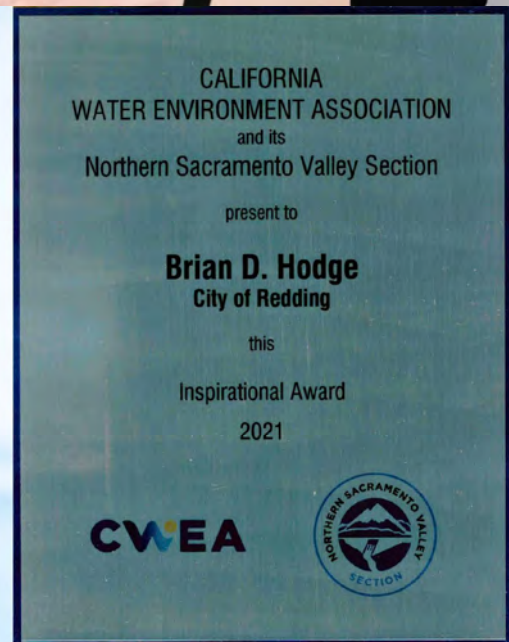
- * I wanted to express my appreciation for receiving the P3S person of the year award for the Northern Sacramento Valley Section of CWEA.
- * I would like to thank Tracy Wyhlidko for nominating me for this award and my co-workers for all their support through my first year of working at the City of Redding.
- * I feel that I have learned a great deal within this time period, but know there is always much more to know! Again, thank you for this award and recognition.
- * Sincerely, Michael Palmer



- * *Thank you very much. I am humbled to receive the CWEA Administrative Professional of the Year award.*
- * *I have worked for the City of Chico for almost 4 years and have grown from an Administrative Assistant to an Administrative Analyst to a Management Analyst. I enjoy supporting the nine (9) Divisions our Public Works - Operations & Maintenance Department oversees, including the Water Pollution Control Plant.*
- * *We have a great team out there and it's a pleasure to work with them. It takes a lot of work to keep the Plant (and Department) running smoothly, and I'm proud to be a part of it. Thank you again.*
- * Melissa Beck, Administrative Analyst II, City of Chico, Public Works, O&M Division



- *I'm honored to have received the Community Engagement and Outreach award for Best Use of Social Media. I have an amazing team of communication professionals that I work with at the City of Redding including talented Graphic Designers, Copywriters and marketing specialists.
- *I can't take full credit for this award. It's a reflection of a great team doing great work. So a big thank you to Steve DiPaolo, Kimberly Boney, and Joseph Martinusen for their hard work on this effort and the many other projects that we work on every day for the beautiful City of Redding.
- *Thank you so much!
- *Sincerely, Katie (Miller) Hunter



- *After several years in the field of Environmental Compliance, I measure my success in pounds of pollutants kept from entering our waterways.
- *Many relationships have been established during this career. The biggest accomplishment during my tenure at the City of Redding has been the innate ability to deal with business owners and the public in a way that incentivizes them to comply with the laws and rules set forth.
- *The environment is the recipient of my efforts and I feel good about that!
- *Brian D. Hodge



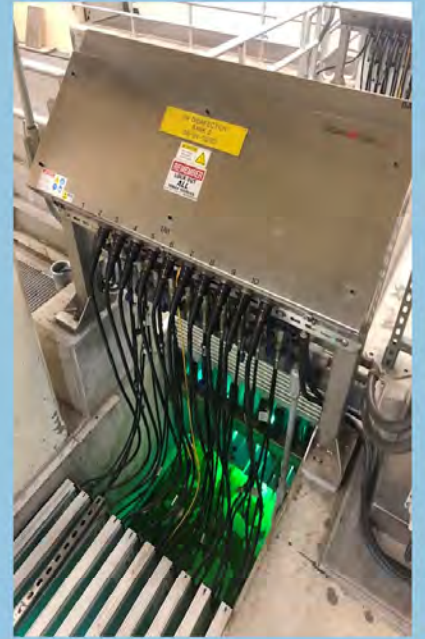
It's been a privilege to serve as the president of the North Sacramento Valley Section, and with the unique privilege of serving for 2 years (thanks but no thanks to the global pandemic). Sadly I wasn't able to see many of our members in person during my years as president, but I'm proud of the way our section was able to carry-on our mission during this difficult time. We pivoted to virtual meetings, and I believe kept up interesting, timely, informative content. The benefit of this was we were able to bring in speakers and experts from around the country. The cost of course was the lack of face-to-face time that I for one took for granted.

There are many lessons to be learned from the pandemic, but a 2 key ones stand out to me as they relate to CWEA: First and foremost, Everyone on this call today is absolutely "ESSENTIAL." You're highly trained and skilled professionals that allow our society to function. When most of the world has to stop, we all have to keep going in order to preserve our way of living. You all should take great pride in that service to your communities.

Secondly, while we can still communicate well and bring in interesting speakers via zoom, there is no substitute for the personal connections we make face to face. These connections are maybe the most important function CWEA has. As we hopefully come out of the pandemic, I challenge everyone to grow our community, and connect more in person. Share tips, tricks, lessons learned, your life stories and achievements. Buy each other a beer. The people on this call and at these events will likely be part of your community for the rest of your career. They know what you're going through and are people you can trust. Let's grow this community and make it source of support, a source of fun, and source of pride.

Thank you so much to everyone who has volunteered with CWEA during my time, especially the outgoing board. Tracy Wyhlidko, Brianna Barton, Laci Heggstrom, Ryan Bailey, John Dobson, and Josh Vandiver. There is much behind the scenes volunteer work and effort that many folks don't know about, and I've been continually impressed with the effort and commitment of these individuals. You're going to be in great hands with Josh as your next president. He brings great ideas to the job, drives to get things done, and will take any suggestions you have to heart.

A final thanks to all of you for allowing me to serve, and I look forward to re-building our community with you in the coming years.



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2022
NSVS-Northern Sacramento
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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).

APPLICATION (check one):

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