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**Wrapping up the 2021/2022 Fiscal Year**

As you can see, this is a scaled down version of our monthly newsletter with a couple of reminders for upcoming events and a review of last month's activity within the chapter that are worth mentioning.

We will soon be sending off our current 2021-2022 Board of Directors and at the same time we'll be welcoming aboard the new 2022-2023 Directors at the annual "Passing of the Gavel" (a.k.a. Summer Social) this coming Thursday evening.

Also don't forget to mark your calendar for the first meeting of the new year that will be held at the Hilton Arden West on Wednesday, September 21st. Tom Sell, the incoming 2022/2023 president will be hosting the meeting. Details coming in August. Hope to see you then!

**Calendar of Events**

**Meetings are held at the Hilton Sacramento Arden West unless otherwise noted.**

**Member Cost: \$50 - Non-Member \$60**

**ACEC Sierra Chapter**

**Thursday June 23th**

27th Annual Summer Social

**"The Official Passing of the Gavel Ceremony"**

Zocolo's Folsom

[Register Here](#)

**ACEC California**

**Thursday, July 28**

ACEC-CA Virtual Board Meeting  
9:00a.m.—12:00 p.m.

**Wednesday August 17, 2022**

2022 ACEC California  
Leadership Training  
**Time: 12:00 pm**

Please visit [www.acec-ca.org](http://www.acec-ca.org) for a complete list of upcoming webinars and on-line classes.



**Scott Lillibridge**  
Sierra Chapter President  
2021-2022



## Thursday, June 23, 2022—Summer Social, “Official Passing of the Gavel Event.” Zocolo’s-Folsom.

Tom Sell, Vice President

Mark your Calendar! Save the Date! Thursday, June 23, 2022. Sierra Chapter’s Annual Summer Social, the “official passing of the gavel event.” This is our annual party to celebrate the past year and look forward to the coming year. This is the only event that spouses and significant others are not only invited, but encouraged to attend so that we can just have fun and enjoy the event together.

Dress is casual. We will install new Chapter Officers and Board Members, and say farewell to the 2021/2022 President, Scott Lillibridge. We promise to keep the evening casual with fun, good food and drinks. You should have received your invitation by now however if you have not it is attached on the last page of the newsletter. We look forward to seeing you on June 23rd!

## ACEC-CA and ACEC-Sierra Chapter host Sacramento Rivercats Baseball Game on May 17, 2022—ACEC Federal Pac Fundraiser.



2021-2022 President Scott Lillibridge getting some inspiration from Dinger the River Cats mascot at the ACEC Federal PAC fundraiser event on May 17, 2022.





## May 2022 Meeting Recap—Combined System and McKinley Vault.

By Erik Fanselau, Secretary Treasurer



The Sierra Chapter was pleased to welcome Nina Buelna, PE, from the City of Sacramento Department of Utilities (DOU) as our guest speaker for the May meeting. Miss Buelna is the Wastewater Supervising Engineer for DOU and oversees the Wastewater Department. In this role she is responsible for budgeting, long-range planning, asset management, Capital Improvements Project delivery, and managing staff.

Miss Buelna's presentation focused on the Combined System and the recently constructed McKinley Vault. The Combined System captures, conveys, and treats a combination of

wastewater and stormwater runoff in the same pipe and serves over 200,000 people in the Downtown, Land Park, Curtis Park, Oak Park, and East Sacramento neighborhoods. One of the challenges with the Combined System is the ability to capture and convey runoff during peak storm events. The City has continuously invested in improvements to reduce outflows to the Sacramento River and outflows to the street that occur during peak events. Between 1995 and 2021, DOU has spent \$156 million in capacity improvement projects which includes 20 million gallons of storage. DOU now has a total of four peak storage facilities including McKinley, R Street, Med Center, and Oak Park. More peak storage facilities are planned as part of their long-term planning.

For over 90% of storm events, wastewater from the Combined System is sent to the Regional San facility in Elk Grove. Storms that are high intensity or exceed 1" of depth (>60 MGD) require the Pioneer Reservoir and Combined Wastewater Treatment Plant to operate to treat the additional volume. In rare occurrences when the runoff exceeds the capacity of the three treatment facilities (over 440 MGD), flow can be bypassed directly to the Sacramento River. This last occurred in October 2021.

The McKinley Vault was designed to provide additional storage during peak storm events to reduce street flooding and untreated releases to the Sacramento River. The Vault was designed with a 6 million gallon capacity with a peak inflow of 60,000 GPM which was based off of the volume for a 10 year, 6-hour storm. Once the Vault reaches capacity, it is slowly pumped out into the pipe network after the storm passes and the peak resides.

Construction began in June of 2019 and included over 60,000 cy of excavation and 9000 cy of concrete. One of the challenges was high groundwater at the project site which required continuous pumping to keep the site dewatered during construction. The area above the vault was reconstructed



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with a public park. The Vault was completed on October 15, 2021 and was put to the test just nine days later when a 100-year storm event passed over the City on October 24, 2021, bringing 5.62 inches of precipitation in a 24-hour period. Although the Vault did not eliminate flooding entirely, it functioned as designed and reduced flooding significantly.

The total cost of the project was \$32 million. DOU used a Guarantee Maximum Price contract which was a first for the City. This contract format saved over \$1 million in additional costs. It is exciting to see projects like this completed that have a direct benefit for City residents.

## 2021-2022 Board of Directors

### Officers

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## GET NOTICED IN THE SIERRA CHAPTER NEWSLETTER!

### Would you like to see YOUR FIRM listed in this Newsletter?

ACEC-CA/Sierra Chapter firms in good standing are invited to submit a company profile for inclusion in this newsletter. **Firms that have not been featured in the last two years are invited to participate again.**

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Debbie LoCicero  
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## 2022-2023 Board of Directors

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*You and a Guest are Cordially Invited to the:*

## **27th Annual Summer Social Event**

**Thursday, June 23rd, 2022**

**Appetizers & Wine: 6:00-6:30**

**Dinner: 6:30-9:00**

**Price: \$50 per person**

*"The Official Passing of the Gavel and Introduction of the  
2022/2023 Board of Directors Ceremony"*

# ZÓCALO

2739 E. Bidwell St., Folsom, CA 95630 (In the Broadstone Plaza)

*Dress: Summer Casual Attire*

Please **RSVP by Thursday, June 16th** [Register Here](#)



Any questions, please contact: Debbie LoCicero at:

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