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2015-16 Board of Directors

8th Annual Ken Kerri
Endowment Fund Luncheon
Flyer



President's Message

When I started thinking about what to write this month, I thought about bemoaning the political insanity surrounding the national campaigns. But since everyone is talking about that, I doubt that anyone would be interested in my two cents worth on that topic. So, I chose something else.

A few days ago, I heard something about an annual Bill and Melinda Gates letter, so, I decided to look it up and read it. The letter was really geared to high school students. Bill's portion of it focused on energy--the energy that impoverished areas of the world lack and that we take for granted every time we turn on a light, power up our computers, or adjust our thermostats. However, the generation of this energy that could help bring people out of poverty would increase greenhouse gas emissions. Then the letter talks about the anticipated consequences of climate change on the poorest people of the world and states, "Scientists say that to avoid these dramatic long-term changes to the climate, the world must cut greenhouse gas emissions by up to 80 percent by 2050, and eliminate them entirely by the end of the century." Bill says that we're going to need a "miracle" to reach this target.

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Calendar of Events

Meetings are at the Sacramento Hilton
unless otherwise noted.
Member Cost: \$35 - Non-Member \$50

Wednesday, April 13, 2016

Ken Kerri Endowment Fund Luncheon @
Sacramento State

Wednesday, April 20, 2016

General Meeting and Lunch Program
11:30am - 1:30pm
Hilton Hotel, Arden West
2200 Harvard Street, Sacramento, CA 95815
Register at: <https://acec-ca-sierrachapterapril202016.eventbrite.com>

Wednesday, May 18, 2016

General Meeting—TBD

Saturday, June 11, 2016

Summer Social at La Provence 5pm in
Roseville

No General Meetings in July or August

Wednesday, July 13, 2016

Board & Leadership Training (Southern
California)

September 25 - 28, 2016

State Conference & BOD Meeting (Hawaii)



Harvey Oslick

President

Maryn Pitt, City of Turlock—April Meeting Speaker

Provided By: Landon Blake, Secretary/Treasurer



Maryn Pitt has worked for the City of Turlock for almost ten years. She has and continues to wear many hats and serves in several key roles. Primarily, she serves in the City Manager's Office and directs all economic development activities, serves as the organization's Public

Information Officer and oversees the City's Housing Program. She also serves as the City's property agent for all of its real estate transactions. She brings to that position more than thirty years of experience in working with legislative matters, public information, economic development, and land use related issues.

Prior to her joining the City of Turlock, she was appointed by the Monterey County Board of Supervisors to the Monterey County Planning Commission, and served two four-year terms, including one year as its Chair.

Maryn will be speaking to us about the current economic development programs in the City of Turlock and on her predictions for growth in the city over the next couple of years.

ACEC-CA State Updates

Provided By: Christian Anger, ACEC-CA Membership Director

Call to Action - Senate Bill 885

ACEC California's legislative advocacy team fights hard on your behalf in Sacramento but we need your help. As you know, we are proudly sponsoring Senate Bill 885, a bill that prohibits contracts that require state licensed design professionals, including engineers, land surveyors, architects, and landscape architects, to defend claims made against other persons or entities involved in construction projects. We are now asking that your firm go on record as supporting this effort, thus

contributing to a better business environment for engineers and land surveyors. [Here is a link to a sample support letter](#). Please fill in the highlighted area before you put it on your firm's letterhead and PDF the letter to Kelly Garman, Director of Government Affairs at kgarman@acec-ca.org for delivery.

Please have your letters submitted by April 1st in order for your firm to be listed on the committee analysis.

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.** Contact Dana Remington, Vice President, for submission details.

Point of Contact:

Dana Remington, Vice President
530.885.7072
dremington@andregg.com

Joint Calmentor North Region and ACEC-CA Sierra Chapter, Event Recap

Provided By: Mark Gilbert, Director



At the ACEC/Calmentor Joint Meeting, Kevin Thompson, Director of Engineering for the California High Speed Rail Authority, provided an excellent overview of the high-speed rail. Kevin's presentation included updates on the project progress and some of the significant

engineering challenges facing the project.

The High-Speed Rail project will be the first of its kind in the United States and is intended to connect all California population centers. With California currently ranked as the "7th largest" economy in the world, this will be one of the largest transportation projects undertaken by the State in decades. Work on Construction Package 1 -- Madera to Fresno -- has been well under way, and site preparation for Construction Package 2-3 (two former projects combined into one DB project) extends approximately 60 miles south of Fresno. The third design-build project, which was recently awarded, continues south for another 22 miles and ends just north of Bakersfield.

Since California's population is expected to grow to 50 million by the year 2050, high speed rail will help reduce traffic congestion, improve air quality, and lessen the load on our major airports. The San Francisco to Central Valley segment will include four multi-modal transportation hubs including Transbay, Millbrae, San Jose and Gilroy Stations. San Jose to Fresno is expected to be a 60-minute ride and San Francisco to Los Angeles a 2-hour 40-minute ride.

The engineering challenges for high speed rail include crossing many faults of varying seismic activity and predicting their impact on at-grade, viaduct, and tunnel structures. Highly variable geologic and groundwater conditions are just a few of the other challenges to be addressed by the engineering teams.

The Authority has embraced a 30 percent goal for small business participation, which includes 10 percent for disadvantaged business enterprises and 3 percent for disabled veteran business enterprises. The Authority has also just released the 2016 Business Plan, which provides an updated schedule and projected cost for delivering the nation's first high speed rail system. The Business Plan can easily be accessed on the Authority's website <http://hsr.ca.gov/>

Mr. Thompson is a graduate of Arizona State University and holds a Civil Engineering license in California. He served as the State Bridge Engineer at Caltrans from Feb 2005 through July 2010, worked as a small business owner until Oct 2012, and then worked for URS as Bridge Practice Director prior to joining the Authority in May 2015. He lives with his wife Barbara, and daughter Mary Bren in the Sierra Nevada Foothills. Kevin's hobbies include hiking, motorcycle riding, and vintage car collection and restoration. His family lineage includes Ben Thompson, gunfighter in the old west.



ACEC-CA, Central California Chapter Events, Modesto, CA

Provided By: Landon Blake, Secretary/Treasurer

On Wednesday, July 13th our guest speaker will be Monica Nino from San Joaquin County. She will be talking to us about the joint effort by San Joaquin County and the City of Stockton to develop Airpark 599 right next to the Stockton Municipal Airport.

All of these meetings will be hosted at the Hawkins and Associates Engineering office at 436 Mitchell Road in Modesto from 11AM to 1PM. Lunch will be provided. There is no charge to attend the meetings. If you'd like to attend a meeting listed

above, or would like to suggest a speaker or topic for a future meeting, please contact Landon Blake by e-mail at lblake@hawkins-eng.com.

We are also planning a workshop in April entitled "Effective Acquisition of Land Surveying Services for Public Infrastructure Projects". If you'd like to attend or are interested in helping teach the workshop, please reach out to Landon and let him know.

President's Message continued

(Continued from page 1)

Bill presented an equation of $P \times S \times E \times C = CO_2$ the Kaya Identify, and indicated that one of the terms on the left would need to go to zero for CO_2 to go to zero. P is population, S is the services used by each person, E is the energy needed to provide these services and C is the CO_2 produced by that energy. Based on this equation, "C," CO_2 emitted from energy generation, would need to be eliminated on the left side to reduce CO_2 on the right side to zero. This is because "C" is the only term on the left side of the equation that could ever realistically equal zero. However, this equation does not include a term for sequestration of CO_2 , which could be used to offset some continued emissions, while still achieving the target of zero net emissions.

Now, switching gears a bit, I recently received a survey from our good friend Senator Ted Gaines. He wanted to know if his constituents support paying a 16¢ - 76¢ hidden gas tax on every gallon of fuel to pay for projects such as California's High-Speed Rail. Senator Gaines is concerned that "This project will push California over the fiscal cliff." I decided to look into the math on this. Let's say that the project will cost \$100 billion. Let's say we pay for it with bond financing over 30

years at a 6% interest rate. That would require a whopping \$7.3 billion per year payment. It sounds huge. But it's all of 0.3% of the State's \$2.3 trillion gross domestic product. If his constituents were asked, "Should 0.3% of California GDP be spent on transformative infrastructure to meet future transportation needs with a much smaller environmental impact than air travel?", might the answers be different?

"Our task is epic and dramatic, monumental and clear. People have already engineered the Earth's habitats. The time has come to learn how to do that without endangering most of the world's species. Then we must merely re-engineer the entire Earth, but this time, responsibly." (Rosenzweig 2005)

The miracle that we need may just be to move beyond political rhetoric, to have honest and productive conversations, and to implement a wide range of projects that contribute to the ultimate objective.

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KENNERRI

Endowment Fund

8TH ANNUAL LUNCHEON

WEDNESDAY, APRIL 13, 2016

11:30 AM — 2:00 PM

KEYNOTE SPEAKER

Prabhakar Somavarapu

District Engineer (General Manager)

Regional San and Sacramento Area Sewer District

Discussing the **EchoWater Project**



Event at the Sac State Alumni Center

For more information or to make
a reservation, please contact:

Ashley Mihok at (916) 278-6982
or ashley.mihok@csus.edu



SACRAMENTO STATE
Department of Civil Engineering

<http://www.ecs.csus.edu/ce/>

8TH ANNUAL

DEPARTMENT OF CIVIL ENGINEERING

KEN KERRI Endowment Fund

WEDNESDAY, APRIL 13, 2016

LUNCHEON

THE DEPARTMENT OF CIVIL ENGINEERING

is hosting its 8th Annual Ken Kerri Endowment Fund Luncheon on **April 13, 2016**. Sponsors are needed for the event to build the Department's Ken Kerri Endowment Fund.

SPONSORSHIP LEVELS

Event Sponsor — \$500

Receives two tickets to luncheon

Recognition as event sponsor on luncheon materials

Verbal acknowledgment as event sponsor at luncheon during opening remarks

Company logo on Department's website and promotional material as event sponsor

Department Sponsorship Program

The department's "Sponsorship Program" highlights the many sponsorship levels available for the 2016 year. If your company or organization are looking to give a gift please take a look at our simple form online.

<http://www.ecs.csus.edu/ce/CalendarYearDeptSponsorship-20161.pdf>

FOR SPONSORSHIP INFORMATION

Please contact Ashley Mihok at (916) 278-6982 or at ashley.mihok@csus.edu. Make checks payable to the **Department of Civil Engineering**.

Checks can be mailed to:

Attention: Ashley Mihok (916) 278-6982
California State University, Sacramento
Department of Civil Engineering
6000 J Street, Sacramento, CA 95819-6029

For more information, or to register for the 5th Annual Civil Engineering Golf Tournament just click on this panel.



KEYNOTE SPEAKER

Prabhakar Somavarapu

District Engineer
(General Manager)
Regional San and Sacramento Area Sewer District



SPONSORSHIP HELPS THE ENDOWMENT FUND...

Attract top students to the CE program

Provide assistantship opportunities for undergraduate and graduate students to participate in research projects as part of faculty scholarly activities

Improve teaching and learning by allowing the Department to bring educators and scholars of distinction on a sabbatical leave for temporary assignments

Provide start-up support to faculty members to develop their teaching and scholarship activities

Support the development of new and specialty courses

Provide for start-up funds for CE faculty to pursue grants and other funding opportunities

Purchase research and lab equipment



SACRAMENTO STATE
Department of Civil Engineering

8TH ANNUAL LUNCHEON

KEN KERRI
Endowment Fund
DEPARTMENT OF CIVIL ENGINEERING



SACRAMENTO STATE

WEDNESDAY

APRIL 13, 2016

At the Sacramento State Alumni Center

11:30 AM — 2:00 PM

To become a sponsor

Please call Ashley Mihok: (916) 278-6982 or email her at ashley.mihok@csus.edu. The deadline to become a sponsor is April 6, 2016. Sponsors will be included in upcoming event materials as they sign up.



KEYNOTE SPEAKER

Prabhakar Somavarapu

District Engineer (General Manager)
Regional San and Sacramento Area Sewer District

Discussing the EchoWater Project



Please complete the registration form for each person attending, coordinate preferred payment method (as outlined below) and either fax the registration form to (916) 278-7957 (Attention: Ashley Mihok) or mail it, along with payment by check to:

For all questions about the Ken Kerri Endowment Fund Luncheon, please call Ashley Mihok at: (916) 278-6982 or email her at ashley.mihok@csus.edu

REGISTRATION DEADLINE: April 6, 2016

Department of Civil Engineering
Attention: Ashley Mihok
California State University, Sacramento
6000 J Street Sacramento, CA 95819-6029

REGISTRATION FORM

Lunch will be served at the cost of \$30 per person. If you prefer the vegetarian option, please check here.

Below, please indicate how you will be paying for lunch.

I have included a check with this registration form.

Please make checks payable to:
Civil Engineering Department, Sac State.

I would like to pay by credit card. Contact me. (Please do not write card numbers on this form.)

We will call you for your credit card payment information.

First Name

Last Name

Organization (if applicable)

Address

City

State

Zip Code

Phone Number

Email Address

Alumni

B.S. ____ year

M.S. ____ year

Phone Number to call: _____

Best time to call: _____