

## A G E N D A

### **CFEE Roundtable Infrastructure Conference on Climate Financing:**

#### ***Building Smart Infrastructure for a Green Future***

**The Lodge at Sonoma, Sonoma, California**

**April 26-27, 2018**

The generational failure to rethink and rebuild our state's infrastructure has constrained jobs and incomes as well as strained the sustainable use of our resources. Now, as the unpredictable consequences of climate change place new and unique burdens on our natural resources, building stock, and transportation and water systems, the gap between our infrastructure needs and the delivery capacity of our public agencies grows ever wider.

This conference will discuss climate financing, whereby the coordinated power of public and private resources, performance-based delivery mechanisms, and integrated planning techniques are leveraged to enable Californians to innovatively, yet pragmatically, adapt our infrastructure and enhance our natural resources to meet the challenges of the changing environment.

#### **Thursday, April 26<sup>th</sup> — Sonoma Ballroom**

**11:30 – 1:00 pm**      **Buffet Lunch – Upper Terrace**

**1:00 – 1:15 pm**      **Welcome, Conference Overview, and Introductions**

***Patrick Mason***, President & CEO, CFEE

**1:15 – 2:15 pm**      **Session 1: A Hostile Climate – How will our infrastructure be challenged?**

California is projected to experience more extreme weather events in the coming years as air and sea temperatures warm, erratic precipitation patterns intensify, and oceans continue to rise. Beyond an increase in the frequency of dramatic catastrophes like wildfire and flooding, climate impacts will also manifest in subtle ways. The sum of these complex, interconnected consequences will uniquely challenge infrastructure performance.

- In what ways will climate change place new demands on our infrastructure? On our agencies and funding mechanisms?
- What is the state of California infrastructure?
- What are the characteristics of climate-resilient infrastructure?
- As we expand and replace existing roadways, transit systems, water projects, and public buildings, how can we explicitly address carbon footprints and other adverse environmental impacts and the needs of disadvantaged communities?

***Ann Kosmal***, Architect, Strategic Risk Management & Resilience, Office of Federal High-Performance Buildings, U.S. General Services Administration (7-10 min)

***Jason Barbose***, Western States Policy Manager, Union of Concerned Scientists (5-7 min)

Roundtable Discussion

2:15 – 3:00 pm

### Session 2: What is Climate Financing?

While there is no formal definition for “climate financing,” it has become the catchall term to describe financing mechanisms designed to muster the collective resources of public, private, and non-governmental organizations for purposes of climate adaptation, resilience, and mitigation.

- What is the projected investment need for infrastructure development? Will public funds be able to cover that need?
- What does climate financing mean in the context of infrastructure projects?
- Where else in the U.S. and internationally are public authorities pursuing climate financing? What are some global examples of climate financing?

**Dan Carol**, Senior Advisor, Infrastructure and Energy, Office of Governor Brown  
(7-10 min)

Roundtable Discussion

3:00 – 3:15 pm

Break

3:15 – 5:00 pm

### Session 3: Project Delivery in Action: Reducing Public Risk While Ensuring Green Benefits

Despite facing statutory and/or political barriers, agencies across the state have found creative ways to finance and deliver resilient transportation infrastructure. Relying on either agency-specific, regional or recently-expired state authority, public agencies like Sonoma County Transportation Authority [SR 37] and Los Angeles Metro are spearheading ambitious efforts to remake vital transportation corridors by using alternative delivery mechanisms that shift risk to the private sector. In other instances, public agencies have been able to reduce project risk by using planning frameworks, such as advanced mitigation, that proactively address environmental issues.

- What are alternative delivery mechanisms? What is risk transfer? What hurdles need to be overcome to use such mechanisms?
- What is advanced mitigation planning? How does it reduce risk on a project?
- How do these projects mitigate and adapt for climate change impacts?
- How can these projects incorporate nature to ensure resilience?
- What “smart” capabilities do these projects possess?
- What can policymakers do to enable similar projects to come to fruition?

**Colin Peppard**, Senior Director, Office of Extraordinary Innovation, LA Metro  
(7-10 min)

**Elizabeth O'Donoghue**, Director of Infrastructure and Land Use, The Nature Conservancy (7-10 min)

**Suzanne Smith**, Executive Director, Sonoma County Transportation Authority  
(7-10 min)

Roundtable Discussion

**6:30 pm Reception and Dinner – Chateau St. Jean**

There will be transport from the Lodge at Sonoma and MacArthur Place. Meet in front of the lobby at **6:00pm**.

**Friday, April 27<sup>th</sup> — Sonoma Ballroom**

**7:30 – 8:30 am Continental Breakfast – Sonoma Ballroom**

**8:30 – 10:00 am Session 4: Beyond Transportation...The Bigger Infrastructure Picture**

California's infrastructure needs extend to water facilities, schools, and other public buildings that will need to be retrofitted and newly built to keep pace with a changing environment and a growing populace. Moreover, water conveyance, storage, and reuse projects as well as our building stock represent important opportunities to address drought resiliency and energy efficiency.

- What tools and mechanisms currently exist for public agencies to finance, build, and maintain these projects?
- How are project delivery rules different for non-transportation infrastructure?
- What do the project delivery experiences of the City of Long Beach and the University of California, Merced suggest about statewide project delivery rules?
- How do we address the needs of vulnerable communities when building new infrastructure?

**Mark Taylor**, Chief of Staff, Office of Mayor Robert Garcia, City of Long Beach  
(5-7 min)

**Dan Feitelberg**, Principal, Infrastructure Advisory, KPMG and Former Vice Chancellor of UC Merced (5-7 min)

**Stan Williams**, Vice President-Project Development, Poseidon Water (5-7 min)

Roundtable discussion

**10:00 – 10:15 am Break**

**10:15 – 11:30 am Session 5: Zero Emission Vehicle (ZEV) Infrastructure: Who builds? Who owns?**

This year, Governor Brown signed an executive order directing state agencies to collaborate with the private sector to get a minimum of 5 million zero-emission vehicles (ZEV) on California roadways by 2030. Underpinning this ambitious goal is the installation of 250,000 electric vehicle chargers and 200 hydrogen fueling stations.

- What public funds are available to finance these projects? How is the private sector involved?
- How are state and local agencies collaborating to develop a strategic plan to deploy the needed infrastructure?
- Who will be responsible for building and operating hydrogen fueling and electric vehicle (EV) charging stations?
- Under what rules must electric utilities operate in order to construct EV charging stations?
- What opportunities and challenges will ZEV's as well as autonomous vehicles present for transportation infrastructure performance?
- How will ZEV's and AV's impact public transportation providers, including passenger for hire and municipal or county transportation modes?

**Tyson Eckerle**, Deputy Director of Zero Emission Vehicle Infrastructure, Governor's Office of Business and Economic Development (5-7 min)

**Tim Brown**, Founder and Chief Operations Officer, FirstElement Fuel (5-7 min)

**Dan Skopec**, Vice President, Regulatory Affairs, Sempra Energy Utilities (5-7 min)

**David Wright**, General Manager, Los Angeles Department of Water and Power (5-7 min)

**Juanita Martinez**, Government Relations Manager, General Motors (5-7 min)

Roundtable Discussion

**11:30 - 12:15 pm**

**Session 6: Summary and Next Steps**

What statutory action is needed to enable climate financing? What political obstacles must be overcome? What can be expected from infrastructure development and performance if there is no policy action?

**Patrick Mason**, President & CEO, CFEE

Roundtable Discussion

**12:15 pm**

**Adjourn—Patrick Mason**

Box lunch available