



April 2018

Dear

As you know, the University of California's Center for Catastrophic Risk Management (CCRM) is funded by the California Energy Commission to model near and long-term wildfire and coastal and inland flooding around California's transportation fuel sector (TFS) and its assets.

The CCRM research is coming to a close and we invite you to participate in our final dissemination workshops. Our workshops, held simultaneously in Northern and Southern California, aim to present our findings and identify information and knowledge gained throughout the project. A major part of this activity is to obtain your feedback about our processes and findings.

The workshops will be on Thursday April 26, 2018 starting at 10:00am, with a working lunch at 12:30 and the closing statements from 1:30 – 1:40 pm. Coffee and tea will be provided throughout the day.

Some of you may have already registered. If not, please register using the links below to confirm your participation:

For Northern CA:

<https://tinyurl.com/yavgon2f>

In Northern California the workshop will be held at Garden Room, Clark Kerr Campus, 1601 Warring St. Berkeley CA 94720.

**If you are coming by car, you need a parking pass from us. Please let us know asap so we can reserve one for you.**

For Southern CA:

<https://tinyurl.com/ycp2zqwg>

In Southern California the workshop will be held at Banning's Landing CC, 100 E. Water Street, Wilmington, CA 90744.

If you have any questions, please feel free to email our coordinating team members,

Northern CA: Amir Gohar [amir.gohar@berkeley.edu](mailto:amir.gohar@berkeley.edu) or cell: (510) 859-5988

Southern CA: Peter Norton [p.norton5@berkeley.edu](mailto:p.norton5@berkeley.edu) or cell: (760) 579-8843

We look forward to your participation.

Respectfully,

John Radke, Principal Investigator  
For the project team



You are invited to simultaneous workshops on:

**ASSESSING EXTREME WEATHER-RELATED VULNERABILITY AND  
IDENTIFYING RESILIENCE OPTIONS FOR CALIFORNIA'S INTERDEPENDENT  
TRANSPORTATION FUEL SECTOR**

Date: Thursday April 26, 2018

Time: 9:00 am	doors open
10:00am - 12:30pm	presentations
12:30 – 1:30 pm	working lunch
1:30 – 1:40 pm	closing statements

Locations:

Northern CA: Garden Room, Clark Kerr Campus, 1601 Warring St. Berkeley CA 94720  
Southern CA: Banning's Landing CC, 100 E. Water Street, Wilmington, CA 90744

California's transportation fuel sector (TFS), which assets supply oil from its source to end users, will increasingly be exposed to extreme weather events including flooding and wildfire due to climate change. Studies have yet to understand the TFS as an entirety and its exposure and vulnerability to these weather events. Nor have they projected and analyzed the exposure at spatial resolutions that are fine enough to inform stakeholders about the vulnerability of individual assets.

UC Berkeley's Center for Catastrophic Risk Management (CCRM) organized the TFS into a physically and organizationally connected, multi-sector network. Using this network, the CCRM team projected and analyzed climate-change induced flooding and wildfire exposure at both coarse and fine spatial resolutions, across multiple temporal horizons and climate scenarios. The team then assessed the statewide TFS's exposure with the coarse resolution projections and discussed with various stakeholders their assets' vulnerability using the fine resolution projections in areas of interest.

The team found that product pipelines and central distribution terminals are critical assets within the TFS network, and that the network is dependent on supporting sectors such as electricity and gas. The statewide analysis identified docks, terminals, and refineries as the most exposed TFS assets to coastal flooding, whereas roads and railroads (over which transportation fuels are moved) are most exposed to wildfire.

**Our simultaneous workshops in Northern and Southern California aim to present our findings and designate the information and knowledge gained throughout the project duration.**



## **ASSESSING EXTREME WEATHER-RELATED VULNERABILITY AND IDENTIFYING RESILIENCE OPTIONS FOR CALIFORNIA'S INTERDEPENDENT TRANSPORTATION FUEL SECTOR**

### **Workshop April 26, 2018 AGENDA**

- |                |   |
|----------------|---|
| 9:00 am        | Doors open and coffee/tea available<br>Northern California: Garden Room, Clark Kerr Campus, 1601 Warring St.<br>Berkeley CA 94720, for parking/directions see attached.<br><br>Southern California: Banning's Landing CC, 100 E. Water Street,<br>Wilmington, CA 90744, parking available next to the building. |
| 10:00 am       | Welcome and Introduction by project Principal Investigators, John Radke,<br>Karlene Roberts   |
| 10:10 am       | <b><i>Presentation of TFS conceptualization</i></b>   |
| 10:35 am       | <b><i>Presentation of Regional Trends &amp; Impacts</i></b>   |
| 11:05 am       | Break   |
| 11:20 am       | <b><i>Presentation of Insights from Asset-Scale Analysis</i></b>  |
| 11:55 am       | <b><i>Presentation of Implications of our Findings</i></b>  |
| 12:30 - 1:30pm | Working Lunch and Q&A Panel   |
| 1:30pm         | Closing Statements by Principal Investigator, John Radke  |



## Parking and Public Transit Directions

### For the Southern California Workshop:

Location: Southern CA: Banning's Landing CC, 100 E. Water Street, Wilmington, CA 90744  
Free parking on the lot located right next to the building.

### For the Northern California Workshop

Location: Garden Room, Clark Kerr Campus, 1601 Warring St., Berkeley CA, 94720.

*Parking:* Clark Kerr Southwest Parking Lot (near Derby Street and Warring Street intersection). You will need a parking permit for this lot (please note that street parking nearby is 2 hours). We will have parking permits available. **Please let us know in advance if you'd like one.** There will be a team member with a "CEC-TFS" sign at the parking lot to distribute the permits

*Public Transit in Berkeley:* The best Public Transit option is to take BART to Rockridge station. Exit BART Rockridge. There are two exits, so be sure while you are exiting, you see the ticketing station before heading down the escalator. Take escalator down. When you reach the ground look to the left for our van. It will be marked with a UC Berkeley sign.

The van will be making constant trips to our meeting location at the Clark Kerr Campus, and should return, at most, at 10-minute intervals. **Please let us know in advance if you'd like to make use of this.** If need be, you may also call our van driver Matthew: (516) 639-4872.

