



EPP and Center for Climate and Energy Decision Making  
**Sponsored  
Seminar**

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Electricity Markets and Policy Group  
Lawrence Berkeley National Laboratory



Presenting on:

**“Congestion Measures for Organized Markets in the U.S.”**

February 10, 2014

12 noon

(Lunch served at 11:50am)

3701 Wean Hall Conference Room

Department of Engineering and Public Policy

**Seminar Abstract:**

When the capacity of a transmission line or flowgate in an electricity network is fully used, it is a constraint. When a transmission constraint prevents the users of the system from executing all desired electricity trades, the system is congested. It is useful to measure congestion to understand the limitations of the current system, including where and how much congestion exists and how this changes over time, and also to obtain insight into whether and how to mitigate it and assess the effectiveness of actions taken. However, it is challenging to measure congestion in a meaningful and consistent way across markets or over time in the same market. This paper examines current public reporting of congestion measures for organized markets in the U.S., and what these measures can and cannot tell us about congestion across regions or over time in the same region.

**Speaker Bio:**

Dr. Emily Bartholomew Fisher is a researcher in the Electricity Markets and Policy Group at the Lawrence Berkeley National Laboratory, focusing on electricity transmission planning, modeling, reliability, usage and policy. Previously, Emily worked at the Federal Energy Regulatory Commission where she conducting research on electricity market rules and optimal transmission switching. Emily holds a doctorate and masters of science in engineering in Environmental Engineering from Johns Hopkins University, and a bachelors of science in Electrical Engineering from Brown University.

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