

JOINT LEGISLATIVE COMMITTEE ON CLIMATE CHANGE POLICIES  
INFORMATIONAL HEARING  
*CAP AND TRADE*  
May 24, 2018

**PANEL BIOGRAPHIES**

**EDIE CHANG, CALIFORNIA AIR RESOURCES BOARD**

Edie Chang was appointed as a Deputy Executive Officer at the California Air Resources Board in the spring of 2013. She is responsible for development and implementation of California's plan to reduce greenhouse gas emissions including the AB 32 Scoping Plan, the cap-and-trade regulation, and the low carbon fuel standard. She also oversees strategies to reduce emissions from freight transport, the air toxics program, fuels regulations, and stationary source programs. In Edie's 20 year career with the Air Resources Board, she has worked on a wide variety of projects including implementation of the zero-emission vehicle program, preparation of State Implementation Plans, and diesel incentive programs. Edie received a B.S. in Mechanical Engineering from the University of California, Berkeley, and an M.S. in Mechanical Engineering from the University of California, Irvine. She is a registered Mechanical Engineer in the State of California.

**DANNY CULLENWARD, NEAR ZERO AND CARNEGIE INSTITUTION FOR SCIENCE**

Danny Cullenward is an energy economist and lawyer working on the design and implementation of scientifically grounded climate policy. He is a Research Associate with Near Zero and the Carnegie Institution for Science. Danny also teaches Climate Law and Policy and Energy Law at Stanford. In 2017, he was appointed by the California Senate to the Independent Emissions Market Advisory Committee, which is charged with reviewing California's Cap-and-Trade Program. Danny also serves on the Center for Carbon Removal board of directors and the Berkeley Energy & Resources Collaborative (BERC) advisory board. Previously, he taught Climate Law and Policy as the inaugural Philomathia Research Fellow at UC Berkeley and represented environmental scientists in the Ninth Circuit Court of Appeals and U.S. Supreme Court. Danny holds a JD from Stanford Law School and a PhD in Environment and Resources (E-IPER) from Stanford University, where he earned his MS in Management Science & Engineering and a BS with Honors in Earth Systems.

**ANN CARLSON, UCLA SCHOOL OF LAW**

Ann Carlson is the Shirley Shapiro Professor of Environmental Law and the Faculty Co-Director of the Emmett Institute on Climate Change and the Environment at UCLA School of Law. She is a leading scholar of climate change and air pollution law and policy, the co-author of a top casebook on Environmental Law, and the co-editor of a forthcoming book from Cambridge University Press, *Lessons from the Clean Air Act: Building Durability and Flexibility Into U.S. Climate and Energy Policy*. She is the recipient of the UCLA Distinguished Teaching Award and

was named the 2017 University of California Sustainability Champion. Carlson is a graduate of UC Santa Barbara and Harvard Law School and served as a California Assembly Fellow and a consultant to the Senate Office of Research and the Senate Revenue and Taxation Committee in the 1980s. She was appointed by the California Assembly to the Independent Emissions Market Advisory Committee in 2018.

**ROSS BROWN, LEGISLATIVE ANALYST'S OFFICE**

Ross Brown is a Principal Fiscal and Policy Analyst with the Legislative Analyst's Office (LAO). Ross currently works on issues related to energy, climate change, and air pollution for the office. In the last couple of years, he has authored several reports related to the state's cap-and-trade program. Ross earned his BA in Economics and Environmental Studies from UC Santa Barbara in 2005 and a PhD in Natural Resource Science and Management, with a minor in Applied Economics, from the University of Minnesota in 2010.