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OVERSIGHT HEARING

**Follow-up to the February 22, 2016, Joint Oversight hearing on
California Air Resources Board Air Quality and Emissions Reduction
Programs As They Relate to the Transportation Sector**

Wednesday, August 10, 2016
1:30 p.m. ♦ State Capitol, Room 4202

Hearing Participants' Biographies

**Richard Corey, Executive Officer
California Air Resources Board**

Mr. Corey has 28 years of professional experience in the air pollution field with over 20 years of that experience in a management capacity at ARB. Prior to his appointment as Executive Officer, he served as Deputy Executive Officer and Chief of the Stationary Source Division.

Mr. Corey's team of over 1200 professional managers and staff are responsible for a broad range of programs including those concerning fuels, climate, incentives, and air toxics. Some of the key programs that his team is responsible for implementing include the low carbon fuel standard, cap-and-trade regulation, measures and incentives to reduce emissions from a variety of goods movement sources, including port trucking, transport refrigeration units, cargo handling operations, maritime operations, rail-related goods movement, and measures to reduce emissions from stationary and portable diesel engines as well as several strategies to reduce toxic air contaminants from a wide variety of sources. In addition, Mr. Corey oversees the Board's administrative services and information technology operations.

Mr. Corey has an undergraduate degree in Environmental Toxicology as well as an MBA from the University of California, Davis.

**Alberto Ayala, Deputy Executive Officer
California Air Resources Board**

Alberto Ayala was appointed as Deputy Executive Officer of the California Air Resources Board at the end of 2012. In this capacity, Alberto is responsible for the Board's ambient monitoring and laboratories and mobile source control and operations programs. Alberto became a member of CARB's Research staff in 2000 and has since held various management assignments in programs such as Carl Moyer Incentives, AB 32 early actions, mobile refrigerant rules, diesel retrofits, and car, truck, and bus emissions research. Most recently he served as Chief of the Monitoring and Laboratory Division.

Alberto oversees the full range of policy, regulatory, and research efforts of over 400 professionals focused on achieving CARB's goals for clean, zero-emission, and low-carbon transportation; state-of-the-art monitoring for air and climate pollution; and a widely recognized motor vehicle emissions and fuels testing program. He contributed to the first car GHG emissions regulation in 2004 and is now directing one of CARB's most important efforts, the advanced clean cars program.

Prior to CARB, Alberto was a member of the engineering faculty at West Virginia University, where he now holds an adjunct appointment, and was an ordnance system design engineer for Teledyne Ryan Aeronautical. He holds B.S., M.S., and Ph.D. degrees in Mechanical Engineering from the University of California, Davis. His internships were with GE, the California Energy Commission, and the Atmospheric Boundary Layer Wind Tunnel Laboratory at UC Davis. He has published extensively; been a speaker nationally and internationally, and lectured as a Visiting Professor in California and abroad.

**Eddie Chang, Deputy Executive Officer
California Air Resources Board**

Eddie 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 Eddie'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.

**Kurt Karperos, Deputy Executive Officer
California Air Resources Board**

Kurt Karperos was appointed Deputy Executive Officer at the California Air Resources Board in November 2014. In this capacity, Mr. Karperos is responsible for overseeing the Air Quality Planning and Science Division (AQPSD) and the Research Division. Mr. Karperos has close to 25 years of experience at ARB serving in progressively more responsible positions in AQPSD, the Legislative Office, the Office of Air Quality and Transportation Planning and the Technical Support Division. Most recently, Mr. Karperos served as Chief of AQPSD, managing ARB's scientific, technical and planning teams as they developed ARB's State Implementation Plans, required by federal law to meet air quality standards.

In this role, his work included development of emissions inventories, conducting air quality modeling and control measure design. Mr. Karperos was part of the team that developed California's first SIP under the 1990 Clean Air Act amendments for the 1-hour ozone standard. He also led SIP development for the 8-hour ozone and PM2.5 standards that have been guiding ARB rulemaking for a number of years.

Mr. Karperos directed ARB's "Vision for Clean Air: A Framework for Air Quality and Climate Planning" project to look at strategies to meet California's multiple air quality and climate goals in a coordinated fashion. He has spearheaded efforts to apply "Vision" modeling tools to ARB's long-term planning.

Mr. Karperos has a Bachelor of Science in applied mechanics from the University of San Diego and a Master of Science in mechanical engineering from UC Berkeley.

**Ross Brown, Principal Fiscal & Policy Analyst
Legislative Analyst's Office**

Mr. Brown has worked at the LAO for five years and he currently covers energy and climate related issues. He earned a bachelor's degree in economics and environmental studies from University of California-Santa Barbara and a master's degree and a PhD in Natural Resource Science and Management from the University of Minnesota.