



## 2016 Air Quality Management Plan (AQMP) Control Strategy Symposium

South Coast Air Quality Management District (SCAQMD)  
21865 Copley Drive  
Diamond Bar, California 91765  
Auditorium

### SPEAKER BIOGRAPHIES AND CONTACT INFORMATION

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**Dr. Philip Fine** is the Deputy Executive Officer for Planning, Rule Development & Area Sources at the South Coast Air Quality Management District. In this role, Dr. Fine oversees a wide range of SCAQMD activities, including development of State Implementation Plans and the Air Quality Management Plan, strategies for particulate matter control, meteorology and forecasting, air quality evaluation, air toxics risk assessment, and rulemaking and enforcement for VOCs and area sources. Dr. Fine serves as

SCAQMD's member for the California Air Resources Board legislatively mandated Research Screening Committee. Prior to his current position, Dr. Fine's responsibilities at SCAQMD included oversight of ambient air monitoring, laboratory services, quality assurance, and source testing.

Prior to joining the SCAQMD, Dr. Fine was a Research Assistant Professor at the University of Southern California, Los Angeles where he taught courses and conducted extensive research on particulate pollution and its health effects, resulting in over 45 peer-reviewed scientific publications. He received his Ph.D. from California Institute of Technology in Environmental Engineering Science, and his bachelor's degree in Mechanical Engineering and Materials Science & Engineering from the University of California, Berkeley.

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**Richard 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

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**Dean Saito** is the Manager of the On-Road Mobile Source Strategies in the Mobile Source Division of the Technology Advancement Office of the South Coast Air Quality Management District. Since 2002 the unit has been responsible for the development and implementation of mobile source strategies as they pertain to plan development and rule implementation. The unit's primary responsibility has been the implementation of Rule 1100 series rules for fleet operations. The unit is also

responsible for the alternative fueling infrastructures and the development of a light duty scrap and replacement program for high emitting vehicles. In May 2007, Dean was appointed by the Senate Rules Committee to be the air quality expert on the Inspection & Maintenance Review Committee which oversees California's Smog Program.

Prior to joining the SCAQMD, Mr. Saito was Chief of the Smog Check Operations Branch with the Bureau of Automotive Repair for 3 years and prior to that he was with the California Air Resources Board for 25 years. While at the Air Resources Board, Mr. Saito was manager of the Liaison Unit within the Office of Air Quality Planning.

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**Annette Hebert** has a degree in Petroleum Engineering from the University of Louisiana and joined ARB in 1989. As a Division Chief in the Mobile Source program for ARB since 2006, Annette has been instrumental in modernizing the certification program, enhancing the heavy-duty in-use programs, ensuring the success of our emission warranty programs, and identifying and correcting performance gaps in vehicle technology such as improvements in the application of selective catalytic

reduction through rigorous certification and field assessment activities. Most recently, Annette has also acquired oversight of the State's Advanced Clean Cars (ACC) Program. The ACC includes the Low Emission Vehicle (LEV) program which is aimed at reducing criteria pollutants and greenhouse gas emissions from the light duty fleet, and the Zero Emission Vehicle (ZEV) mandate which is aimed at promoting the transformation of the vehicle fleet through the introduction of advanced vehicle technology. She also directs all activities of the Haagen-Smit Laboratory (HSL) where the testing of light duty vehicles, motorcycles, small off road engines, and other products are evaluated for their contribution to air pollution impacts through measuring their exhaust, evaporative and speciated chemical emissions.

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**Steven Douglas** is the Senior Director of Environmental Affairs for the Alliance of Automobile Manufacturers based in Sacramento, California.



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**Dr. Cris Liban** is the Deputy Executive Officer of the Environmental Compliance and Services Department at the Los Angeles County Metropolitan Transportation Authority (Metro). He is a licensed professional engineer in California and has a doctorate in environmental science and engineering from the University of California, Los Angeles. Liban actively participates in numerous engineering and civic organizations and is currently a board member of the

## 2016 Air Quality Management Plan (AQMP) Control Strategy Symposium

Filipino American Services Group, Inc. He has published several peer-reviewed articles and chapters of technical books on the environment. Liban has received several local and national awards for engineering excellence in the field of environmental science and engineering. He lives in Westchester with his wife and son.

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**Eileen Tutt**, prior to becoming the Executive Director of the California Electric Transportation Coalition, Eileen worked in California State government for over 15 years. Most recently, Eileen served as Deputy Secretary for the California Environmental Protection Agency (Cal/EPA). Prior to her time at Cal/EPA, Eileen worked for the California Air Resources Board, an agency within Cal/EPA. In her ten years at the Air Resources Board, Eileen helped develop regulations and programs that

have placed the State of California at the forefront of environmental protection.

Throughout her career, Eileen has worked closely with members of the Legislature and their staff to represent the position of the Administration and present the technical findings and stakeholder positions responsibly. She has a long history of working collaboratively with the Governor's Office, members and staff of the Legislature, representatives from various state agencies and members of the business and environmental community to find solutions to tough policy challenges.

Eileen is known for her dedication and passion. Recognition of Eileen's service has come in the form of letters from Governor Schwarzenegger, a Senate Resolution, plaques from the various organizations on whose Boards she has served, and achievement awards from the Air Resources Board.

A long-time supporter of electric transportation Eileen is the proud owner of a 2002 Toyota Electric RAV4 with over 80,000 miles logged all electric.

Active in civic duties Eileen serves as a trustee for the Climate Action Reserve, on the External Advisory Committee for the Sustainable Transportation Center at UC Davis, and as a Board member for the Yolo County SPCA. Eileen is married with two children and received her bachelor's degree in Mathematics with a minor in Statistics.

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**Henry Hogo** is the Assistant Deputy Executive Officer for the Mobile Source Division in the Office of Science & Technology Advancement. The Mobile Source Division is responsible for the implementation of SCAQMD's clean fleet vehicle rules and strategies to meet state and federal mobile source regulations. The Mobile Source Division promotes greater use of clean air technology, including advancing next-generation cleaner vehicles, fuel cells, and

## 2016 Air Quality Management Plan (AQMP) Control Strategy Symposium

alternative fuels. In addition, the Mobile Source Division provides input on the development of the SCAQMD's air quality management plans, analysis of mobile source emissions impacts on air quality, and providing input on state and federal mobile source regulations.

Formerly, Mr. Hogo served as the SCAQMD's Assistant Deputy Executive Officer for Science and Technology Advancement and for Planning, Rule Development & Area Sources. Prior to joining the SCAQMD, he worked as a consultant to government and the private sector on air quality issues. He has had extensive involvement with the development of SCAQMD's air quality management plans, air monitoring programs, and development of mobile source regulations.

Mr. Hogo holds a Bachelor of Science degree in Chemistry from the University of California Berkeley and has over 30 years of experience in the air pollution field.

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**Erik White** is the Division Chief of the Mobile Source Control Division at the California Air Resources Board. Erik oversees a staff of over 180 in the development and implementation of California's heavy duty emission reduction programs for both new and in-use vehicles. Erik is also responsible for working closely with other government agencies and stakeholders on the coordinated development, implementation and deployment for new and emerging low-emission advanced hybrid and electric

drive vehicle technologies, which includes overseeing \$300 million of annual state funding in support of these efforts. Erik received his Bachelor of Science degree in Aerospace Engineering from UCLA in 1993.

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**Adrian Martinez** works on clean air, clean energy and environmental justice issues. Prior to joining Earthjustice, Adrian worked as a smog and environmental justice attorney for the Natural Resources Defense Council. Adrian received a degree in Environmental Science and Policy from Duke University and a law degree from the University of

Denver College of Law where he was a Chancellor's Scholar. He is admitted to practice in California.

In addition to his professional work, Adrian volunteers for many nonprofits. He sits on the board of Communities for a Better Environment. He is also a founding director of the Los Angeles Sustainability Collaborative, and he serves on the national political committee for the Sierra Club. Adrian is an adjunct professor of law at the University of California Los Angeles where he co-teaches a class on Environmental Justice Law.

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**George Minter** is Regional Vice President for External Affairs and the Environment for SoCalGas, the nation's largest utility. He is responsible for the Company's external affairs, communications, public policy and environmental affairs functions.

Mr. Minter is a long time public policy professional specializing in energy and environmental affairs, policy development, communications and political advocacy.

Prior to re-joining the Gas Company as the Senior Director of Policy and Environment, George was Managing Principal for LA-based public affairs firms Greer/Dailey/Minter and GM/PublicAffairs. There he managed strategic communications programs and public policy initiatives to approve large land use and energy projects. Before that he was the Director of Public Affairs for SoCalGas.

George has served as a board member of numerous civic associations and community organizations, including the Central City Assoc., Valley Industry and Commerce Assoc., L.A. Family Housing Corp. (as Board Chair), Coro Foundation, Pat Brown Institute of Public Affairs at Cal-State LA, Center for the Study of LA at Loyola Marymount University, Campaign to Clear the Air and the California League of Conservation Voters. He was one of the founders of the Business Council for Sustainable Energy, a federal energy trade association and of the California CCS Coalition, a statewide energy advocacy organization.

He currently serves as Co-Chair of the Energy, Water & Environmental Sustainability Council of the Los Angeles Area Chamber of Commerce; is a member of the Land Use (GLUE) Council for So Cal Assoc. of Governments (SCAG); and is a member of the Advisory Boards of the CA Alt Fuel Vehicle Coalition of the Los Angeles Economic Development Corporation (LAEDC), and of Water Education for Latino Leaders (WELL).

George has been the recipient of several awards and honors, and has been a regular speaker at state and national conferences on energy and environmental policy. He recently was awarded the Presidential Volunteer Service Award, from the U.S. Council on Service and Civic Participation.

George is the father of two grown children, married, and lives in Pasadena, California. He is a Phi Beta Kappa and Honors graduate of the University of California at Berkeley.

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**Chris Shimoda** is currently the Manager of Environmental Policy for the California Trucking Association (CTA). He has been with the CTA since 2007 and was previously responsible for the development of its safety policy. Chris has worked with the Air Resources Board on the development and implementation of several major regulations, including the Statewide Truck and Bus Rule, the Greenhouse Gas Tractor-

Trailer Rule, the Port Truck Drayage Rule, the Transport Refrigeration Unit Air Toxic Control Measure and Cap and Trade. He is an alumni of the University of California at Davis.

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**Bill Van Amburg** is the Senior Vice President of CALSTART, the nation's leading clean transportation technology organization. He has over 35 years of experience, including technology development, commercialization and marketing. At CALSTART he oversees national programs in hybrid and high efficiency trucks, new fuels, and clean transportation consulting. He is also knowledgeable about environmental market mechanisms such as emission credits.

A key program Bill developed and now oversees is the Hybrid Truck Users Forum (HTUF), a national program speeding medium- and heavy-duty hybrid vehicle commercialization in a partnership with the U.S. Army National Automotive Center. HTUF has directly led to hybrid truck production by four major manufacturers. Bill's teams also manage an award-winning \$39-million Hybrid Truck and Bus Voucher Incentive Program (HVIP) for the California Air Resources Board (ARB), have launched the California Hybrid Efficient and Advanced Truck Research Center (CalHEAT) with the California Energy Commission and are working with the L.A. County MTA and South Coast AQMD on developing a zero-emission goods movement corridor.

He is a Board member of the North American Council for Freight Efficiency (NACFE), has an Anthropology degree from the University of California at Berkeley and is a graduate of the Executive Management Program at UCLA's Anderson School of Management. While he has focused on commercializing clean technology for nearly two decades, he did have a previous life! In his earlier career, Bill was an Emmy Award-winning broadcast journalist reporting on science, technology and the environment. He covered events as diverse as the eruption of Mount St. Helens and the trial of Patty Hearst during his career.

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**Cynthia Marvin** is the Chief of the Transportation and Toxics Division at the California Air Resources Board (ARB or Board). The Division is currently leading development of the California Sustainable Freight Initiative; implementing existing diesel rules and Proposition 1B incentives for cleaner ports and rail yards; updating the State's air toxics programs to characterize and reduce the health risk from stationary and mobile sources; and guiding multiple State agencies

responsible for investing over \$2 billion annually in Cap-and-Trade auction proceeds in transportation, energy, and natural resources projects that reduce greenhouse gases and maximize co-benefits for disadvantaged communities.

Ms. Marvin's prior division assignment also included climate change policy and planning, low carbon fuels, and energy issues. Her background involves 25 years of experience with the Board managing California's State Implementation Plans; developing ARB's clean air strategy for mobile sources, fuels, and consumer products; and drafting air toxics regulations to protect public health. Prior to joining ARB, she worked as an Assistant Vice President in the banking industry and received a B.S. in Environmental Toxicology from the University of California at Davis.



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**Angelo Logan** is a member of East Yard Communities for Environmental Justice (EYCEJ) and the Moving Forward Network. Angelo is the co-founder of EYCEJ and has worked with a wide variety of coalitions to achieve health protective policies specifically regarding goods movement and Green Zones. Currently, Angelo serves on several committees, such as: SCAQMD's Environmental Justice Advisory Group, I-710 Corridor Advisory Committees, Southern California Association

of Governments Goods Movement Task Force and City of Commerce's Environmental Justice Task Force and Green Zones-Policy Working Group.



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**Peter Okurowski** has represented the Association of American Railroads, and its western members BNSF Railway and Union Pacific Railroad, on national and California environmental issues since joining California Environmental Associates in 1994. Prior to joining CEA, he worked for four years at the U.S. Environmental Protection Agency's Office of Transportation and Air Quality in Ann Arbor, Michigan; and between 2008 and 2012, Mr.

Okurowski served as an Environmental Consultant and analyst for Pillsbury Winthrop Shaw Pittman. Mr. Okurowski continues to be an active participant in AQMP and SIP policy development and implementation.

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Chris Cannon  
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**Chris Cannon** is the director of environmental management for the Port of Los Angeles, a position he has held since October 2010.

Cannon has worked at the Port of Los Angeles as a consultant since 2004, most recently helping to manage the implementation and daily operation of the highly successful Clean Truck Program.

In his new role, Cannon will be responsible for balancing commerce and growth with ecological sustainability at the nation's busiest container port. The division assesses environmental impacts of development projects and determines appropriate mitigation measures. It also prepares and distributes any environmental documentation mandated by state and federal law; special studies involving dredging, noise abatement, water quality and air quality; contamination characterizations; wildlife management; and establishment of policies regarding environmental quality issues.

Before his work on the Clean Truck Program, Cannon worked with the Port Environmental Management Division's Air Quality and CEQA groups, supporting the development of key air projects such as the Clean Air Action Plan and its efforts to complete critical environmental impact reports for Port-related projects. Cannon has 21 years of experience in the environmental services industry, working on a range of projects while employed by ENVIRON International Corporation and TRC Environmental Solutions.

Cannon also spent two years as a legislative assistant for environmental policy on the Washington, D.C. staff of U.S. Representative Martin Sabo of Minnesota.

Cannon received a bachelor's degree in international relations from Dartmouth College and a law degree from University of California at Berkeley's Boalt Hall School of Law. He currently lives in Los Angeles.

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**T. L. Garrett** began with the Pacific Merchant Shipping Association (PMSA) in 2005. PMSA represents shipping lines and terminal operators that operate on the west coast of the United States. Mr. Garrett has extensive experience in air quality regulations and emission reduction programs going back to the first vessel emission inventory done in 1995. His current focus is on air quality, storm water, and vessel/whale interactions. Prior to PMSA he was an Environmental

Supervisor for the Port of Los Angeles in charge of the Air Resources Section. During his 15 years with the Port and City of Los Angeles Mr. Garrett was the environmental project manager on a number of capital development projects and air quality programs. Before coming to the port he was engaged for ten years as the database and field collection manager for a coastal sampling program by the Ichthyology Section of the Natural History Museum of Los Angeles County.

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**Renee Moilanen** is the Manager of Air Quality Practices at the Port of Long Beach, the second busiest seaport in North America. In this role, she oversees the Port of Long Beach's cutting-edge programs to reduce port-related air pollution, manages grants to curb diesel emissions, administers a technology advancement program, and monitors and reports on port-related emissions. She has worked extensively on programs to reduce ship emissions, including the Green Ship

Incentive Program, which rewards ship operators for deploying lower-polluting ships to Long Beach, and the Port's shore power program to cut at-berth ship pollution.

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**Melissa C. Lin Perrella** is a Senior Attorney with the Natural Resources Defense Council. Her work focuses on improving air quality in environmental justice communities affected by the freight transportation system. She is an expert on the health effects of diesel emissions, technologies for reducing air pollution from ships, trucks and locomotives, enforcing the National Environmental Policy Act, and defending landmark state and local

clean air programs against federal preemption claims. Before joining NRDC, Melissa worked in private practice at Orrick, Herrington & Sutcliffe LLP in Los Angeles, CA as a general litigation associate. She is a graduate of Georgetown University Law Center and U.C. Berkeley. Melissa is a proud finisher of the Boston Marathon and a mother of two young children.

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**David Pettit** is director of NRDC's Southern California air program in Santa Monica and an experienced trial and appellate lawyer. Since joining NRDC in 2007, he has focused on curbing pollution in California by litigating against polluting industries and campaigning for clean, alternative energies and greener development in urban areas.

David has litigated environmental cases in state and federal trial and appellate courts for many years in private practice and at NRDC, including major air pollution matters, offshore oil spills, groundwater pollution, habitat preservation, and natural resource damage assessment disputes. He has a B.A. in philosophy and a law degree from UCLA.

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**Lisa Trifiletti** was appointed the Director of Los Angeles World Airports (LAWA) in early 2014, a newly created Environmental and Land Use Planning Division where she directs the activities of Environmental Performance, Environmental Regulatory Compliance, Environmental Planning and Engineering, Entitlements and Environmental Clearances for LAWA’s three airports and Palmdale land holding.

Ms. Trifiletti oversees all environmental planning and engineering, entitlement applications and environmental documents for all proposed projects at LAWA airports and properties, including the Los Angeles International Airport (LAX) and oversees a diverse set of environmental programs including environmental compliance, environmental performance, noise management, site assessments, sound insulation grant program, sustainability, storage tanks, water quality and wildlife. Additionally, for the past 18 months, she has served as the LAWA project manager responsible for coordination with Metro on the Airport Metro Connector Project.

Lisa brought extensive experience in government land use planning when she was recruited by LAWA in 2010 to start a new master planning process for 340 acres of mostly vacant land north of the LAX runways and south of the Westchester and Playa del Rey communities. Lisa’s trademark enthusiasm, hands on approach and boundless energy were welcomed when she was hired to assist LAWA’s work with the local community, Council District 11, and the myriad of government agencies to develop a master plan for the LAX northside properties.

Currently, Ms. Trifiletti serves as a board member of New Economics for Women (NEW), a non-profit group working to improve housing and economic development for immigrants and low income families throughout southern California. She also serves as board member of NEW charter schools, NEW develops schools to further community transformation and help families improve their educational status. The schools function as separate, non-profit organizations and exceed the State Board of Education’s Academic Performance Index (API) goal of 800. Currently less than 50% of California schools have met this goal.

Ms. Trifiletti graduated from Boston College with a double major in history and secondary education in 1997. She received her Master of Arts Degree from the Harvard Graduate School of Education in 1998.

In 2002, she received a full scholarship to Loyola Law School as a public interest law scholar. After law school, she worked for the litigation and government departments for the law firm, Manatt, Phelps, & Phillips. In May 2006, she returned to Los Angeles Council District 5, working for both councilmembers Jack Weiss and Paul Koretz, where she served as District Counsel and Chief Planning Deputy and managed all transportation, planning, and land use matters for Council District 5.

Adam Waters  
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**Adam Waters** is a Senior Environmental Specialist at Southwest Airlines.

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**Dr. Randall Pasek** is the Manager of the Off-Road section of the South Coast Air Quality Management District's (SCAQMD) Mobile Source Division. Dr. Pasek has over 25 years of experience in the air quality field working for both the California Air Resources Board (ARB) and the SCAQMD. His duties have covered air quality planning and regulation development, air pollution research, air emission inventories, and incentive programs for both stationary and mobile

sources. His group is responsible for AQMD programs that encompass the majority of off-road sources including construction equipment, locomotives, ships, airplanes, and cargo handling equipment. Dr. Pasek has a Ph.D. in Mechanical Engineering from UC, Davis with an emphasis in combustion processes

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**Todd Sax** was recently promoted to Division Chief for the Enforcement Division at the California Air Resources Board (CARB).

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**Tim DeMoss** is the Supervisor for the Air Quality Section at the Port of Los Angeles (POLA). He oversees an awesome staff of Environmental Specialists that work specifically on projects aimed at reducing the air emissions from the Ports 5 major sources (ie. Ships, Trucks, Trains, Cargo Handling Equipment and Harbor Craft).

Tim has managed Air Quality Projects at the Port of Los Angeles for 8 years. Over the course of his 24-year career as an Environmental Engineer or Specialist, Tim has worked in multi-disciplinary environmental mitigation efforts involving air quality, water quality, hazardous waste, and solid waste recycling.

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**Heather Tomley** is the Director of Environmental Planning for the Port of Long Beach. She joined the Port in 2005 and progressively moved into positions of greater responsibility. She was named to her current post as Director in February 2014 by the Long Beach Board of Harbor Commissioners, the Port's five-member governing body.

Ms. Tomley leads the Division most directly responsible for the Port's signature environmental programs, such as the 2005 Green Port Policy, and coordinates programs to improve air, water and soil quality, preserve wildlife habitat and integrate sustainability into Port practices. She co-wrote, implemented, and assisted with updates to the 2006 San Pedro Bay Ports Clean Air Action Plan (CAAP), which serves as a guideline for programs focused on cleaning Port related air emissions.

Ms. Tomley earned her Bachelor of Science degree in Chemistry from California Polytechnic State University, San Luis Obispo, and her Master of Science degree in Environmental Science from the University of North Carolina at Chapel Hill.

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**Clayton Miller** is Senior Vice President of Lewis Associates, LLC, a firm that provides specialized services on a wide range of issues including air and water quality, project development, permitting, coalition and association management, election and campaign services.

Clayton assists with the ongoing development and management of two of California's most influential construction and building industry coalitions; the

Construction Industry Air Quality Coalition (CIAQC) and Construction Industry Coalition on Water Quality (CICWQ).

CIAQC is an advocacy, education, and research 501(c)(6) non-profit group of associations representing builders and trade contractors, home builders, landowners, project developers and their employees. CIAQC membership is comprised of the Associated General Contractors of California, Associated General Contractors America-San Diego Chapter, Inc., Building Industry Association of Southern California, California Construction Trucking Association, Engineering Contractors' Association, Southern California Contractors Association, United Contractors, and the California Rental Association. Collectively, members of these associations build a significant portion of the transportation, public and private infrastructure, and commercial and residential land development projects in California.

On behalf of its construction and homebuilding industry members, CIAQC advocates for technologically and economically feasible government regulations while minimizing the impacts on its members. Clayton is the Vice President of CIAQC and has represented the coalition since 1995.

Clayton is the immediate past president of the California Small Business Alliance, a non-partisan coalition of California trade associations representing 33,000 companies, 1.8 million employees and \$91 billion in shipments.

Clayton graduated from California State Polytechnic University, Pomona with a Bachelor of Science in Finance, Real Estate and Law.

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**Morgan Wyenn** is a Staff Attorney with the Natural Resources Defense Council. Morgan’s work at NRDC is focused mostly on cleaning up Southern California’s infamous air pollution, particularly the toxic diesel emissions from the transportation of freight. Morgan works in coalition with community and environmental justice organizations to utilize both the law and policy advocacy to fight for cleaner air for the communities

facing dangerously high risks from air pollution from the “goods movement” industry. Morgan studied environmental studies at UC Santa Cruz, and went to Lewis and Clark Law School, where she was Editor in Chief of the Environmental Law Review.

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**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.

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**Naveen Berry** holds B.S. degree in Biochemistry from the University of California, Riverside, with Masters' in Environmental Science and Toxicology from the University of California, Los Angeles. He has over 25 years of experience in air pollution control and public policy development. In his current post as a Planning & Rules Manager, he is responsible for policy development on VOC related activities, including development of

control strategies, area source rules such as architectural coatings, and working with state and federal agencies on Consumer Products. Naveen's efforts in rule development have resulted in more than 100 tons of VOC reductions per day. Naveen also oversees all compliance activities associated with area sources and has developed and implemented innovative ways to maximize the efficiency of compliance staff. Previously, Naveen has managed the New Source Review and Administrative policy development, AB2588 and Annual Emission Reporting Teams.

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**Joseph C. Cassmassi** is a Planning & Rules Director for the South Coast Air Quality Management District (SCAQMD) in Diamond Bar, California where he has been a staff member since 1982. He is responsible for regional air quality modeling, the daily air quality forecasting program, and the economic assessment elements of the Air Quality Management Plan (AQMP) for the South Coast Air Basin (Basin). As a Planning &

Rules Manager, he was also responsible for NO<sub>x</sub> and SO<sub>x</sub> rule development targeting emissions reductions needed to meet air quality goals committed in the AQMP.

Mr. Cassmassi served as the SCAQMD Senior Meteorologist for 22 years where he developed and refined the air quality forecasting program. In addition, he was a member of the technical management teams of several regional monitoring programs including Project Basin, the Southern California Air Quality Study (SCAQS), and the 1997 Southern California Ozone Study -NARSTO (SCOS97) to better define the development and evolution of the Basin's air pollution episodes.

Mr. Cassmassi was a lecturer in the Department of Atmospheric Sciences at the University of California at Los Angeles (UCLA), where he taught air pollution and environmental impacts for 11-years. He also assisted in the development air quality forecasting programs for several cities world-wide, including the air quality forecasting system for Santiago, Chile.

Mr. Cassmassi received his B.S. in meteorology from The City College of New York in 1975 and his M.S. in meteorology from UCLA in 1977. Prior to the SCAQMD he worked in the consulting field as a meteorologist. He

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is a member of both the American Meteorological Society and the Air & Waste Management Association and has published numerous journal articles, technical reports, and conference papers

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**Dr. David Edwards** currently works at the California Air Resources Board (ARB) as the Manager of the Consumer Products Implementation Section in the Air Quality Planning and Science Division. As Manager, David works on implementation activities within the Consumer Products program, which includes the 2013 Consumer and Commercial Products Survey. Prior to this position, Dr. Edwards was Manager of the Greenhouse Gas Reporting Section at ARB and also

developed greenhouse gas emission reduction factors for composting and recycling. Before working at ARB, Dr. Edwards was an Assistant Professor of Chemistry at Wesleyan College in Macon, Georgia. Dr. Edwards received his Ph.D. in Chemistry from Princeton University and his B.S. in Chemistry from St. Mary's College of California. He also received a certificate in Science, Technology and Environmental Policy from the Woodrow Wilson School of Public Policy while at Princeton.

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**Dr. Scott Epstein** earned a Bachelors of Chemical Engineering from the University of Delaware and a Ph.D. in Chemical Engineering from Carnegie Mellon University. His graduate research focused on the chemistry and thermodynamics of atmospheric organic particulate matter. After completing his graduate work, Dr. Epstein served as a postdoctoral scholar at the University of California, Irvine where he studied

photochemical reactions of atmospheric organic compounds. Dr. Epstein joined the Air Quality Modeling group within the Planning, Rule Development, and Area Sources Division at SCAQMD in March of 2014.

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**Dr. Sang Mi Lee** is a program supervisor in air quality modeling unit in SCAQMD. She earned her Ph.D. in Atmospheric Sciences, Seoul National University with the emphasis on air pollution meteorology and numerical modeling. She has long work experiences at various institutes including US EPA, national research laboratories, and academic institutes prior joining to SCAQMD. Her group at SCAQMD is responsible for

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conducting regional scale photochemical transport modeling to demonstrate the efficacy of control strategies, providing scientific evidence for regulatory rule making, and developing emission inventory for numerical modeling. She has been invited to many international conferences and workshops and actively involved in professional communities such as AWMA and AMS.

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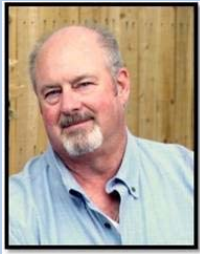


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**Mike Morris** is a Program Supervisor in the Air Toxics Unit of Planning, Rule Development and Area Sources, writing regulations and evaluating emerging technologies for the SCAQMD. Mike's current projects include developing rules to address toxic air contaminants and supervising the grant awarded by the U.S. EPA Targeted Air Shed Grant Program. Mike has previously worked on coatings, adhesives, paint and lacquer thinners, consumer products, and metalworking

fluids. Previously, Mike was Program Manager at the Institute for Research and Technical Assistance, conducting research and development of low- and non-solvent technologies. Mike earned his BS degree in Astrophysics at the University of California at Los Angeles (UCLA).

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**Tracy A. Goss P.E.** has been with the SCAQMD for 27 years. During that time he has worked on a myriad of regulatory projects that encompasses policy and rule development. Key programs include contributions to the development of the RECLAIM program, principle for the development of the first Air Toxics Control Plan and efforts to address cumulative impacts from air toxics. Beginning in 2005 Tracy became the Program Supervisor of the PM Strategies rule team that develop

a number of particulate matter reduction programs, including residential wood burning and the first ever rule that established requirements for particulate matter control devices, irrespective of the source being controlled. Tracy currently is a Planning and Rules Manager over seeing particulate matter, New Source Review, and administrative rule development. Tracy has a Bachelors of Science in Mechanical Engineering from the University of New Mexico and is Registered Professional Engineer in that field.

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**Dr. Georgios Karavalakis** is a research faculty at the Center for Environmental Research and Technology and an Associate Adjunct Professor at the Chemical and Environmental Engineering Department of the University of California, Riverside. His research is focusing on the use of alternative fuels and their air quality impacts from vehicle emissions, and on the physicochemical and biological properties of nanoparticle emissions from combustion systems. He has authored more than 45 journal papers and more than 80 conference/technical papers.

Dr. Karavalakis received his Ph.D. in Chemical Engineering from the National Technical University in Athens, Greece.

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**Alec Miller** is the Business Manager, Process Technologies, for Johnson Matthey Stationary Emissions Control LLC. His experience includes emission control systems and catalytic technology for stationary engines, boilers, and turbines, and for industrial processes including nitric acid plants, reformers, and industrial VOC abatement. Johnson Matthey is a worldwide leader in catalysis and emission control, with U.S. headquarters in Pennsylvania and local offices in Orange County, California. Mr. Miller has a B.A. from Yale University.

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**Kevin Moss** is the Business Development Director at Tri-Mer Corporation. Kevin had degrees in physics and humanities, and 30 years of experience working within interdisciplinary teams to bring unique technologies to market. He had spent the last 10 years focusing on air pollution control within Tri-Mer's Advanced Technologies group. His current responsibility is the ceramic catalyst filter system, a multi-pollutant technology that addresses PM, SOx,

NOx and other pollutants. is a Business Development Director for Tri-Mer Corporation.

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**Bill Welch** is a Principal Development Engineer for the University of California at Riverside - Center for Environmental Research & Technology (CE-CERT). Mr. Welch has led the development of test protocols for the evaluation of portable NO<sub>x</sub> analyzers, assessment of emissions from commercial cooking operations, and directs projects related to instrumentation for emissions measurement. For the past 11 years, Mr. Welch has led testing campaigns for the measurement of emissions and assessment of control strategies for ocean-going vessels and harbor craft. Bill Welch has previously

worked for South Coast AQMD, the Center for Emissions Research and Analyses (CERA) and the Los Alamos National Laboratory. Mr. Welch received his B.S. degree in Chemical Engineering from the University of New Mexico.

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**Susan Nakamura** has been working at the SCAQMD for over 23 years. As the Director of Strategic Initiatives, her responsibilities include the development of the AQMP, CEQA, Toxics Rule Development, Climate Change, and Special Projects.

Susan started in the CEQA section at the SCAQMD in 1990. She was later promoted to a Planning & Rules Manager working on a variety of rules for criteria pollutants, air toxics and emissions credit trading. Susan became involved with environmental justice issues more

than a decade ago attending some of the first environmental justice tours in Riverside and Commerce. She also worked with community members in the Mira Loma area to develop the Good Neighbor Guidelines for Siting New and/or Modified Warehouse/Distribution Facilities, and became heavily involved with railyard issues and their impacts to a variety of communities throughout the Basin. Susan has been an active member of the I-710 Technical Advisory Committee and has provided comments on some of the most substantial goods movement projects in the Basin – seeking more mitigation to provide greater public health protection. She was the key author of the Clean Communities Plan, which looked at air toxics issues at a community level. As part of the Clean Communities Plan, Susan has been working with the communities of Boyle Heights and San Bernardino to identify air quality issues specific to these areas and potential solution paths. In addition, Susan has worked on various aspects of the SCAQMD's Air Quality Management Plans – developing new control strategies, emissions inventories, and CEQA.

Susan has a Bachelor of Science in Electrical Engineering from the University of California at Santa Barbara. She enjoys spending time with her husband, two sons, daughter, and sheepdog.

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**Andrew Ryan Henderson (Andy)** has 24 years of legal experience as a counselor, litigator, regulatory advocate and transactional attorney. Throughout his career, Andy's practice has focused mainly on land use, entitlement and environmental law. The breadth of his practice spans from representing non-governmental environmental organizations successfully as plaintiffs in federal and state courts, to successfully defending Los Angeles World Airports, to

arguing before the Supreme Court of the United States. Since 2002, Henderson has focused his practice on serving members of the development and building industries by defending and expanding their opportunities. Henderson's vocation is representing clients who want to build better communities – consistent with law and regulation.

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**Fran Inman**, Senior Vice President, has worked as part of the Majestic Realty team for more than two decades. In addition to overseeing the government relations work for the company, Fran also serves as the founding President of the Majestic Realty Foundation.

Recognized as a national leader in the transportation sector for her work on the global supply chain, she serves as a member of the California Transportation Commission. In addition to her numerous awards and

honors for her work in these areas, Fran was recently awarded Visionary Business Leader of the Year at the region's Mobility 21 summit.

A civic and philanthropic leader, she serves and has served on a diverse range of business, economic development and transportation boards and organizations throughout the region. Fran holds a bachelor's degree in Finance and an MBA in Finance from Cal State Fullerton.

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**Jill Whynot** has extensive experience working in the air pollution field and has worked at SCAQMD since 1989. As Assistant Deputy Executive Officer for the Office of Planning, Rule Development & Area Sources, she works with the Deputy Executive Officer to handle the functions of this office.

Jill was formerly the Assistant Deputy Executive Officer in Engineering & Compliance and prior to that was the Director of Strategic Initiatives, where she led

SCAQMD's efforts in developing and evaluating air quality policies and strategies related to climate change, and was in charge of the PM Control Strategies New Source Review, Administrative Rules, and socioeconomic teams.

Prior accomplishments at SCAQMD include managing controversial policy and rule development efforts related to toxic air contaminants and criteria pollutants, emissions trading, Title V, and new source review.

Before joining SCAQMD, Jill spent ten years as a chemist doing research on the respiratory effects of acute air pollution exposures at the Los Amigos Research and Education Institute Incorporated of Rancho Los Amigos Medical Center.

Jill has a Bachelor of Science and a Masters of Science in Environmental and Occupational Health Science from California State University, Northridge.

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**Dr. Michael Jaske** is a senior policy analyst in the Energy Assessments Division of the California Energy Commission (CEC). During his career he has led the CEC's independent demand forecast, the CEC's role in resource adequacy, and worked to integrate preferred demand-side policy impacts into resource and transmission planning processes. Since 2008, Dr. Jaske is the CEC's lead for analyses of the impacts

on the generating fleet of California's once-through cooling policy and the complementary issue of scarce air emission credits for new generation. Dr. Jaske has been involved in numerous collaborative electricity planning efforts among the CEC, CPUC and California ISO.

Dr. Jaske is a participant in the WECC's Reliability Assessment Work Group, and the Energy Policy Committee of IEEE-USA.

Dr. Jaske's educational background includes a BS in Chemical Engineering from Oregon State University, and a MS and Ph.D. in Systems Science, both from Michigan State University.

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**Dr. Frank Wen** is the Manager of Research and Analysis with the Division of Land Use and Environmental Planning, Southern California Association of Governments (SCAG). He joined SCAG in 1988 and served as Senior Economist between 1993 and 2005. His researches and assignments include: producing SCAG region growth forecasts, translating growth and demographic shifts into

policy implications, conducting economic impact analysis and environmental justice analysis for regional transportation plan, performing income equity and fair share analysis for aviation plan, tracking and reporting on regional economic, housing, and demographic trends. Dr. Wen taught a graduate level class, "Environmental Justice (EJ) in Transportation Planning and Investment" at the University of Southern California (USC) School of Public Policy and Urban Planning in the Spring Semester of 2005. Dr. Wen received both M.S. and Ph.D. degrees in Applied Economics from the University of Minnesota, Twin Cities.

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