



## Market Advisory Committee Members

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### **Dale Bryk**

Dale Bryk is Senior Attorney with the Natural Resources Defense Council (NRDC), a national, non-profit organization of scientists, lawyers and environmental specialists dedicated to protecting public health and the environment. At the NRDC, Bryk leads the organization's state climate policy work. Her expertise is in the area of state energy and climate policy, including utility regulation, energy efficiency and renewable energy programs, greenhouse gas emission registries and regulation, emissions trading, green building and smart growth. Bryk joined NRDC in 1997, prior to which she practiced corporate law at Davis Polk & Wardwell in New York. Since 2002, she has also taught at the Yale Law School Environmental Protection Clinic. Bryk has a JD from Harvard Law School, an MA in International Law and Policy from the Fletcher School of Law and Diplomacy and a BA from Colgate University.

### **Dallas Burtraw**

Dallas Burtraw is Senior Fellow with Resources for the Future, a Washington D.C.-based environmental research organization. Burtraw's research expertise is environmental regulation design and cost benefits analysis, with particular focus on the electric industry. Burtraw's research portfolio includes analysis of alternative approaches to implementing emissions permit trading programs on power generators, cost-effectiveness of Oxides of Nitrogen trading in the US, and ecological improvements from reduced acidification in the Adirondacks. Burtraw also serves on the U.S. Environmental Protection Agency Advisory Council on Clean Air Compliance Analysis and on the National Academies of Science Board on Environmental Studies and Toxicology. Burtraw was previously a Professional Lecturer at Johns Hopkins University's School for Advanced International Studies. Burtraw has a PhD in Economics and an MA in Public Policy from the University of Michigan.

### **Daniel J. Dudek**

Daniel J. Dudek is the Chief Economist in the New York City Office for Environmental Defense, a leading national nonprofit organization. Dudek specializes in the reduction and control of atmospheric pollutants through environmental commodities market development. He led the team credited by President George H.W. Bush with breaking the logjam on acid rain reduction strategies, and helped develop the sulfur dioxide trading program. Dudek helped create tradable production entitlements for chlorofluorocarbons to comply with the Montreal Protocol. His other accomplishment including brokering the first interpollutant trade program, developing the first emission trade in Poland, facilitating the first international greenhouse gas trade involving options. He has partnered with British Petroleum to develop their internal GHG trading system, and is developing SO<sub>2</sub> emissions trading in China. Dudek also serves as an international environmental policy advisor to Poland, the United Nations, Budapest, the U.S. Environmental Protection Agency, People's Republic of China, and other various public and private institutions. Dudek has served as an assistant professor of Resource Economics at University of Massachusetts, Amherst.

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### **Paul Ezekiel**

Paul Ezekiel is Managing Director for Credit Suisse where he runs the bank's global carbon trading business, based in New York. In addition to developing the carbon strategy for the bank, he manages Credit Suisse's relationships and investments in offset producers, leveraging the bank's premier emerging market franchise. Ezekiel joined Credit Suisse from Antipodean Partners, a specialty merchant bank and advisory firm in the environmental and climate change industry, which he co-founded in 2002 and where he served as President. He was responsible for developing a number of innovative structures for carbon emissions producers, including pioneering securitizations of tradable greenhouse gas emissions credits. Prior to establishing Antipodean, Ezekiel was a Managing Director at SoundView Technology Group (formerly Wit Capital) where he was head of financial services investment banking and before that worked at Banc of America Securities LLC. Ezekiel has an MBA from Cornell University and is formerly a MD, specialized in Neurosurgery.

### **Lawrence H. Goulder, Vice Chair**

Lawrence H. Goulder is the Shuzo Nishihara Professor in Environmental and Resource Economics at Stanford. He has been a faculty member at Stanford since 1989. His research examines the environmental and economic impacts of U.S. and international environmental policies, including those that deal with climate change and pollution from power plants and automobiles. His work also explores the "sustainability" of consumption patterns in various countries. Goulder performs environmental policy analysis for various government agencies, business groups, and environmental organizations. At Stanford he teaches undergraduate and graduate courses in environmental economics and policy, and co-organizes a weekly seminar in public and environmental economics. Goulder has a BA in philosophy from Harvard College and a PhD in Economics from Stanford University.

### **Judi Greenwald** (Pew Designate to replace Eileen Claussen)

Judi Greenwald is Director of Innovative Solutions at the Pew Center on Global Climate Change. Greenwald focuses on state and regional solutions, technological innovation, and business solutions and is an advisor to a number of states on their greenhouse gas policies and programs. Greenwald has served as a senior advisor on the White House Climate Change Task Force. As a member of the professional staff of the U.S. Congress Energy and Commerce Committee, she worked on the 1990 Clean Air Act Amendments and the 1992 Energy Policy Act. Greenwald has a BS in Engineering, cum laude, from Princeton University, and an MA in Science, Technology and Public Policy from George Washington University.

### **Winston Hickox, Chair**

Winston Hickox is former Secretary of the California Environmental Protection Agency. As Secretary of Cal/EPA, Hickox was instrumental in the enactment of legislation requiring new greenhouse gas emission standards for cars. He also established the Environmental Protection Indicators for California, and led the implementation of Environmental Justice legislation in California. Since July of 2004, Hickox has been employed by CalPERS, the California Public Employees' Retirement System, as a Senior Portfolio Manager. He has assisted with the design and implementation of a series of Environmental Investment Initiatives, including investments in clean technology, and other investment initiatives focused on the impacts of climate change. Hickox currently serves on the Sacramento County

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Employees' Retirement System Board, as well as the Boards of the following NGOs: the California League of Conservation Voters, Audubon California, and the Sustainable Conservation Boards. Hickox has a BS in Business Administration from Cal State University Sacramento, and an MBA from Golden Gate University.

### **Steven E. Koonin**

Steven E. Koonin was a California Institute of Technology professor until 2004, when he left to become British Petroleum's Chief Scientist. He is responsible for BP's long range technology plans and activities, particularly those "beyond petroleum." He directs BP's major university research programs around the world and provides technical advice to BP's senior executives on matters of group significance. Koonin is a fellow of the American Physical Society, the American Association for the Advancement of Science, and the American Academy of Arts and Sciences, as well as a member of the Council on Foreign Relations and the Trilateral Commission. He has served on numerous advisory bodies for the National Science Foundation, the Department of Defense, and the Department of Energy and its various national laboratories. Koonin has a BS in Physics from Caltech, and a PhD in Theoretical Physics from the Massachusetts Institute of Technology.

### **Franz T. Litz**

Franz T. Litz is Climate Change Policy Coordinator for the New York State Department of Environmental Conservation, serving as the chief policy advisor on climate change issues. Litz served as New York's principal representative to the Regional Greenhouse Gas Initiative, an effort by eight Eastern states to implement the first flexible, market-based cap-and-trade program for carbon dioxide in the United States. Litz is a member of the Advisory Board of The Climate Group, a worldwide non-profit organization dedicated to spotlighting positive action on climate change by businesses and governments. He is a participant in a number of ongoing climate change policy initiatives, including the Earth Institute's Global Roundtable on Climate Change, and the Center for Clean Air Policy's National Climate Change Dialogue. Recently, Litz was selected to study the European Union Emissions Trading Scheme in depth as part of the European Union Visitor's Program. He is a graduate of Boston College Law School, where he served as Executive Editor of the Boston College Environmental Affairs Law Review, and a graduate of Union College.

### **Joe Nation**

Joe Nation served three terms in the California State Assembly, representing Marin and southern Sonoma Counties. During his tenure, Nation focused on energy, education, health care, and the environment. He was the principal co-author of Assembly Bill 32 (Nuñez/Pavley), the Global Warming Solutions Act. He also is the author of AB 1229 (2005), which requires auto manufacturers to conspicuously disclose to consumers the greenhouse gas emissions of new automobiles and trucks. He now teaches economics and climate change at the University of San Francisco. Nation is a consultant to RAND, where he directs RAND California, RAND Texas, and RAND New York, which provide more than 300 online databases for users. Nation has a BA in Economics, German and French from the University of Colorado, and an MA in Foreign Service from Georgetown University. In 1985, he was one of twelve students nationwide to enroll at the RAND Graduate School, where he received a PhD in Public Policy Analysis. He later completed a post-doctoral fellowship at Stanford University.

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### **Martin Nesbit**

Martin Nesbit is Director of the National Climate Change Policy Division at Britain's Department of Environment, Food and Rural Affairs. The Division is responsible for emissions trading, climate change agreements, and coordination of the United Kingdom's climate change program. In his earlier career, he has worked in Brussels twice, the first time working for the European Commissioner in charge of regional policy, and the second time as the UK's representative, serving as lead negotiator on environmental legislation. Previous domestic policy posts have included housing policy, waste management, including implementation of the EU landfill directive, and more recently responsibility for UK policy on the rural development and agri-environmental parts of the European Common Agricultural Policy. He has a Diplôme d'Administration from the Ecole Nationale d'Administration in France.

### **Jonathan Pershing**

Jonathan Pershing is Director of the Climate, Energy and Pollution Program at the World Resources Institute, an environmental think tank based in Washington, D.C. He works on domestic and international climate and energy policy, including emissions trading, energy technology, and the evolving architecture of international climate agreements. Pershing is actively involved in projects with individual states and the US federal government on climate change and energy policy, as well as governments in the Organization for Economic Co-operation and Development, the Group of Eight, and major developing nations. He serves both on the Resources Panel of the Northeast States Regional Greenhouse Gas Initiative and as the facilitator of the RGGI negotiations, on the Advisory Board of the Oregon Climate Trust, and on the Chicago Climate Exchange. Pershing served for five years as the Head of the Energy and Environment Division at the International Energy Agency in Paris, responsible for emissions trading research and other energy related policy. Pershing served as lead U.S. negotiator for the 1992 United Nations Framework Convention on Climate Change and its 1997 Kyoto Protocol. He has a PhD in Geology and Geophysics from the University of Minnesota.

### **Nancy Sutley**

Nancy Sutley is Deputy Mayor for Energy and Environment for the City of Los Angeles. She is also Mayor Villaraigosa's appointment to the Board of Directors for the Metropolitan Water District of Southern California. From 2003 to 2005, Sutley served on the California State Water Resources Control Board. The five-member, full-time board is responsible for protecting water quality and resources throughout California. Sutley also served as Governor Gray Davis' Energy Advisor where she managed state and federal regulatory, legislative, financial and press matters, and served as the Deputy Secretary for Policy and Intergovernmental Relations within the California Environmental Protection Agency from 1999-2003. During President Clinton's administration, Sutley was a Senior Policy Advisor to the Regional Administrator for EPA, Region 9 in San Francisco and a Special Assistant to the Administrator at the Federal EPA in Washington, DC where she helped develop the Acid Rain Program. She has degrees from the John F. Kennedy School of Government at Harvard University and Cornell University.

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### **Peter Zapfel**

Peter Zapfel is the European Union Emission Trading System Coordinator for the European Commission. The EU Institution is responsible for design of the EU emissions trading scheme and ensuring its proper implementation across Europe. Zapfel is responsible for the economic assessment of climate policy, including the development and quantitative assessment of cost-effective strategies and instruments to implement the EU climate policy objectives. During his tenure with the European Commission, Zapfel has worked in the Directorate General for Economic and Financial Affairs, the Directorate General for Environment, and has represented the Commission in United Nation's climate negotiation sessions. Zapfel has been involved in the Commission's work on emissions allowance trading since 1998, and has contributed to national allocation plans in the implementation of the Emission Allowance Trading Directive. Currently, Zapfel leads the Directorate General for Environment's EU Emissions Trading System team. He has degrees from the University of Business and Economics in Vienna, Austria, and the John F. Kennedy School of Government at Harvard University.