



Plug-in Electric Vehicles 2008: What Role for Washington?

Speaker Biographies

Shai Agassi is the founder and CEO of Project Better Place, a company focused on the early 21st century's biggest challenge - a scalable and sustainable personal transportation system. In this role, Agassi works directly with governments, financial firms, automobile manufacturers, and technology companies to install, scale, and operate a regional and global infrastructure necessary for electric vehicles. With a personal passion for solving large-scale social and environmental issues, Agassi believes in utilizing technology and capital markets to address the challenges of sustainability and climate change. With Project Better Place, he will manage the operation of international electric vehicle fleets by investing in, installing, and operating countrywide charging infrastructures for electric cars, as well as working with partners to make the cars available. Since the company's launch, Israel has announced that it will be the first to implement the Project Better Place electric recharge grid operator model by 2011. Project Better Place and Renault-Nissan also announced a partnership that will enable electric vehicles to be mass produced for the Israeli market. The company has signed a letter of intent with DONG Energy aimed at reducing CO₂ emissions from the Danish car fleet.

Senator Lamar Alexander was born in Maryville, Tennessee – a seventh generation Tennessean. He chairs the Senate Republican Conference and serves on committees overseeing clean air, highways, science, appropriations, and the Tennessee Valley Authority. He is the only Tennessean ever popularly elected both governor and U.S. Senator. Sen. Alexander has been U.S. Education Secretary, University of Tennessee president, and professor at Harvard's School of Government. He chaired the National Governors' Association and President Reagan's Commission on Americans Outdoors. In private life, he helped found the nation's largest provider of worksite day care. In his campaign for governor, Lamar Alexander walked 1,000 miles across Tennessee in his now famous red and black plaid shirt. Once elected, he helped Tennessee become the third largest auto producer and the first state to pay teachers more for teaching well. He is a classical and country pianist and the author of seven books, including *Six Months Off*, the story of his family's life in Australia after he was governor. Lamar Alexander and Honey Buhler were married in 1969. They have four children and two grandchildren. He is a Presbyterian Elder.

Troy A. Clarke has been president of GM North America and GM group vice president since July 1, 2006. Clarke had served as president of GM Asia Pacific and GM group vice president from June 2004. He earlier was GM group vice president of manufacturing and labor relations beginning in June 2002. During that time, he was responsible for North America vehicle manufacturing, vehicle operations, the metal fabricating division, and labor relations. He served as GM's chief negotiator for the 2003 United Auto Workers labor negotiations in North America. Clarke had been vice president of labor relations since January 2001. Before taking the labor relations post, Clarke was president and managing director of GM de Mexico and a GM corporate vice president since January 1998. He had been director of manufacturing for GM de Mexico since June 1997. Clarke joined GM as a co-op student at Pontiac Motor Division in Pontiac, Michigan, in 1973. He remained at Pontiac for ten years, holding a series of engineering and manufacturing assignments of increasing responsibility. Clarke is a member of the board of directors of the Alliance of Automobile Manufacturers and a member of the University of Michigan Business School Visiting Council. He serves on the board of directors of the GM-Toyota NUMMI manufacturing joint venture in California. He received a bachelor's degree in engineering from the General Motors Institute in 1978 and a master's degree in business administration from the University of Michigan in 1982.



Peter A. Darbee is a veteran of the energy, telecommunications, and investment banking industries and Chairman of the Board, Chief Executive Officer and President of PG&E Corporation. Based in San Francisco, PG&E Corporation is a \$35 billion energy-based holding company that owns Pacific Gas and Electric Company, one of the largest combination natural gas and electric utilities in the United States. The utility serves 15 million people throughout a 70,000-square-mile service area in Northern and Central California. Darbee joined PG&E Corporation in 1999 as Senior Vice President and Chief Financial Officer. Darbee is a Director of PG&E Corporation and Pacific Gas and Electric Company. He is also active in numerous civic and community organizations, including The Business Council, the California Business Roundtable, the California Commission for Jobs and Economic Growth, the San Francisco Committee on JOBS, and the San Francisco Symphony Board of Governors. Darbee earned his bachelor's degree in economics from Dartmouth College and an M.B.A. from the Amos Tuck School of Business at Dartmouth. He has also successfully completed the Nuclear Reactor Technology Program at the Massachusetts Institute of Technology.

Congressman John D. Dingell represents Michigan's 15th Congressional District and is the Chairman of the Committee on Energy and Commerce, one of five 'exclusive' committees in the U.S. House. He is also the longest serving current Member of the House and second longest serving Member in our nation's history. Dingell serves the people of Monroe County and parts of Wayne and Washtenaw Counties. His work includes fighting for the working families that keep America's economy going, including making health care more affordable and accessible to all families and protecting our nation's natural heritage. Over the last five decades, Congressman Dingell has written some of the best known laws protecting our health and our environment, as well as the rights of workers and consumers. One notable example is the 1990 Clean Air Act that is credited with cleaning up the air we breathe, while preserving American competitiveness. He fought for the passage of revolutionary legislation such as the Endangered Species Act. He graduated from Georgetown University in Washington, DC where he studied chemistry. He continued his studies at Georgetown Law School, graduating in 1952

Mark Duvall is Program Manager of the Electric Transportation area of the Power Delivery & Markets Sector. His research activities focus on electric, plug-in hybrid and fuel-cell vehicle programs and related advanced infrastructure. He oversees a number of partnerships and collaborations between EPRI and electric utilities, automotive companies, local, state, and federal agencies, national laboratories, and academic research institutions. Dr. Duvall currently focuses on plug-in hybrid electric vehicle research, development, and demonstrations in collaboration with major automotive manufacturers such as the EPRI-DaimlerChrysler PHEV Sprinter Van Program. He is also involved in advanced battery system development and testing, electric charging infrastructure, and the environmental analysis of the air quality and greenhouse gas emissions characteristics of plug-in hybrids and other electric transportation technologies. Prior to joining EPRI in 2001, Dr. Duvall held the position of Principal Development Engineer at the Hybrid Electric Vehicle Center of the University of California, Davis. He has worked in the field of advanced transportation since 1990 and has led the development of several prototype advanced vehicles. Dr. Duvall holds BS and MS degrees in mechanical engineering from the University of California, Davis and a PhD degree in mechanical engineering from Purdue University.

Juliet Eilperin joined *The Washington Post* in March 1998 as its House of Representatives reporter, where she covered the impeachment of Bill Clinton, lobbying, legislation, and five national congressional campaigns. Since April of 2004 she has covered the environment for the national desk, reporting on science, policy, and politics in areas including climate change, oceans, and air quality. After the Democrats regained control of Congress in 2006, the *Post* asked Ms. Eilperin to co-author an ongoing series on the House, titled "Takeover," which examines how the new Democratic majority had transformed Capitol Hill. In the spring of 2005, she served as the youngest-ever McGraw Professor of Journalism at Princeton University, teaching political reporting to a group of undergraduate and graduate students. In the spring of 2005, Rowman & Littlefield published her first book, "Fight Club Politics: How Partisanship is Poisoning the House of Representatives." Her book has been featured on several radio and television shows, including Comedy Central's "The Daily Show with Jon Stewart" and NPR's "Fresh Air with Terry Gross." Eilperin is currently working on a book on sharks, to be published in the spring of 2009 by Knopf-Pantheon. She graduated in 1992 magna cum laude from Princeton University, where she received a bachelor's in Politics with a certificate in Latin American Studies.



Mark Fields is executive vice president of Ford Motor Company and Ford president for the Americas, a position he assumed in October 2005. In this role, Fields is responsible for all operations involved in the development, manufacturing, marketing and sales of Ford, Mercury and Lincoln vehicles in the United States, Canada, Mexico and South America. Formerly, Fields served as executive vice president, Ford of Europe and Premier Automotive Group (PAG), where he led all activities for Ford's premium vehicle business group, and for Ford brand vehicles manufactured and sold in European countries. Prior to that, Fields was the chairman and chief executive officer of PAG. Fields joined Ford Motor Company in 1989. Fields was named a Global Leader of Tomorrow by the World Economic Forum in 2000 and CNBC's Asian Business Leader - Innovator of the Year for 2001. He holds an economics degree from Rutgers University and a Masters in Business Administration from Harvard Graduate School of Business.

Thomas Friedman is a world-renowned author and journalist who joined *The New York Times* in 1981 as a financial reporter specializing in OPEC and oil-related news. Friedman went on to serve as the *Times*' Chief Diplomatic, Chief White House, and International Economics Correspondents. A three-time Pulitzer Prize winner, he has traveled hundreds of thousands of miles reporting on the Middle East conflict, the end of the Cold War, U.S. domestic politics and foreign policies, international economics, and the worldwide impact of the terrorist threat. His Foreign Affairs Column, which appears twice a week in the *Times*, is syndicated to 700 newspapers worldwide. His most recent book, *The World is Flat: A Brief History of the Twenty-first Century*, was released in April 2005 and received the inaugural Goldman Sachs/Financial Times Business Book of the Year Award. For his coverage of the Middle East, Mr. Friedman was awarded the 1983 Pulitzer Prize for international reporting (from Lebanon) and the 1988 Pulitzer Prize for international reporting (from Israel). He won the 2002 Pulitzer Prize for Distinguished Commentary for "his clarity of vision...in commenting on the worldwide impact of the terrorist threat." In 2004, he won the Overseas Press Club Award for lifetime achievement and the honorary title, Order of the British Empire (OBE), by Queen Elizabeth II. Mr. Friedman lives in Bethesda, Maryland, with his wife, Ann, and their two daughters. He is a member of the Board of Trustees of Brandeis University and, since 2005, the Board of the Pulitzer Prizes. He served as a Visiting Lecturer at Harvard University in 2000 and 2005 and holds honorary degrees from Brandeis University, Macalester College, Haverford University, the University of Minnesota, Williams College, Washington University in St. Louis and Hebrew Union College.

Senator Orrin Grant Hatch was born on March 22, 1934, in Pittsburgh, Pennsylvania. His great-grandfather, Jeremiah Hatch, founded what is now known as Vernal, located in eastern Utah's great Uintah basin. After receiving his law degree, Senator Hatch worked as a practicing attorney, first in Pennsylvania and then in Utah, until his election to the United States Senate in 1976. Now in his fifth term as Utah's senator, Hatch is a leading advocate in promoting a responsible national energy policy. He is the author of the CLEAR Act, a 2005 law that provides tax incentives for hybrid-electric and alternative-fuel vehicles. These incentives have proven invaluable in promoting and making plug-in hybrids and other advanced technologies commercially viable. Also, Senator Hatch currently has legislation pending that pushes for greater use of electricity in the transportation system by promoting plug-in hybrid vehicles that run as many as 40 miles on batteries before switching to an efficient gasoline hybrid mode. Senator Hatch prescribes a three-pronged approach to address our current energy and gas problems. First, increase the domestic oil supply by tapping that nation's vast reservoirs of oil shale and tar sands. Second, boost the nation's domestic oil-refining capabilities, and third, offer incentives for alternative fuels, infrastructure and vehicles. Senator Hatch is the second-ranking Republican on the Senate Finance, Judiciary, and Intelligence Committees, as well as a member of the Health, Education, Labor, and Pensions (HELP) Committee. He also has the honor of serving on the Board of Directors for the Holocaust Memorial Museum in Washington, D.C. Senator Hatch married the former Elaine Hansen of Newton, Utah. They are the proud parents of six children and have twenty-two grandchildren.



Peter Horton has established himself as a writer, director, actor and producer since his breakthrough role on the hit ABC series “thirtysomething.” Behind the camera, Horton has established himself as one of the most successful producers and directors of drama series. Horton’s latest projects are “Dirty Sexy Money” and “Grey’s Anatomy,” both on ABC. In addition to directing the pilot of “Grey’s Anatomy,” for which he received an Emmy Nomination and a DGA nomination, Horton directed the two-part episode that aired after the 2006 Super Bowl and the following week for which he received another DGA nomination. From his success as executive producer and director of “Grey’s Anatomy,” Horton has the distinction of having directed five pilots all of which were green-lit to become series. This list includes “Class of ’96,” “Birdland,” “Grey’s Anatomy” “Dirty Sexy Money” and “The Philanthropist”. Horton also directed the telefilm “Extreme Close-up” and episodes including “Gun”, “Once and Again”, “The Shield”, and “Line of Fire.” Currently, Horton is developing multiple projects through his Pico Creek Productions, including “Infidelity,” a limited series he wrote and will direct and produce with Mark Gordon. Horton also recently co-wrote and sold a pilot to A & E, which he will produce with Sony Television. Horton has also written for other mediums, including a recent article for *Los Angeles Times* Magazine about the death of GM’s electric car the EV1. On the same subject, Horton appears in “Who Killed the Electric Car”. His passion for the environment has led him to positions on the executive forum board of the National Resources Defense Council and the board of directors of the Environmental Alliance, a Washington DC based voter advocacy group, and as member of the Presidential Leadership Council, a group dedicated to making global warming an issue in the upcoming presidential election.

Congressman Jay Inslee has represented Washington’s 1st Congressional District in the U.S. House of Representatives since 1999, where he’s focused on protecting the environment of Washington State and addressing the problem of global warming. Rep. Inslee fought to restore protections for road less areas in national forests and led a successful campaign in the House to keep limits on oil-tanker traffic in Puget Sound. Rep. Inslee has used his position on the Energy and Commerce Committee, the Natural Resources Committee, and the Select Committee on Energy Independence and Global Warming to promote his vision for a clean energy future, the New Apollo Energy Act, and other measures that would reduce greenhouse-gas emissions. Rep. Inslee recently co-authored a book on the clean-energy revolution with Bracken Hendricks called *Apollo’s Fire*, which will be published in the fall.

Alexander Karsner is the Assistant Secretary of the Office of Energy Efficiency and Renewable Energy at the Department of Energy. He manages the nation’s \$1.72 billion federal applied science, research, development, and deployment portfolio, which promotes marketplace integration of renewable and environmentally sound energy technologies for transportation, generation, and efficiency. Assistant Secretary Karsner is a principal contributor to the international climate change deliberations towards achieving a post-2012 global framework and leads the Bush Administration’s efforts to develop and implement ongoing prominent energy initiatives launched by President Bush in three consecutive State of the Union addresses, including: the major economies process, the 20 in 10 plan, and the advanced energy initiative. His Office also bears primary responsibility for technology advancement, education, conservation, regulation and efficient use of our nation’s energy resources, including federal energy management and procurement, building codes, appliance standards, and the ENERGY STAR® program, amongst others. He contributes substantially to the EU-US Transatlantic Dialogue on Biofuels and Renewables; as well as numerous, high-level bilateral and multilateral relationships, including China, India, and Brazil. Mr. Karsner represents the U.S. Government on several public/private boards, including: the Freedom Car and Fuel Partnership with the major automakers and oil companies; International Protocol for Hydrogen Economy; the Defense Science Board; the National Governor’s Association Energy Task Force; the Hawaii Clean Energy Initiative; and the Asia-Pacific Partnership. President Bush nominated Karsner to the position of Assistant Secretary in December 2005, unanimously confirmed by the Senate as America’s ninth Assistant Secretary for Energy Efficiency and Renewable Energy (EERE). Karsner and sworn-in as a member of the sub-Cabinet by Secretary of Energy Samuel W. Bodman in March 2006. The Assistant Secretary was a Rotary International Fellow and received an MA from Hong Kong University. He graduated with Honors from Rice University and subsequently received the prestigious Hugh Scott Cameron Award as Outstanding Alumnus.



Willett Kempton teaches and conducts research on emerging zero-carbon technologies and environmental policy at the University of Delaware, where he is Associate Professor in the College of Marine and Earth Studies. With co-authors, Kempton published the first proposal for what is now called Vehicle-to-Grid power (V2G) in 1997, and the basic equations for V2G power and V2G markets in 2005. Kempton and industry partners have created the Mid-Atlantic Grid-Interactive Cars (MAGIC) Consortium, seeking to establish commercial-scale V2G implementation. In addition to his articles and reports on V2G, Dr. Kempton has published on offshore wind power, the beliefs and values that citizens and policymakers apply to environmental issues, labeling, and feedback to stimulate energy efficiency, and on the factors that move citizens to environmental action.

Senator John Kerry was born on December 11, 1943 at Fitzsimons Army Hospital in Aurora, Colorado. Not long after John Kerry was born, the family settled in Massachusetts, where his parents taught him the values of service and responsibility and the blessings of his Catholic faith, lessons he carries with him to this day. John Kerry was elected Lieutenant Governor in 1982. Two years later, he was elected to the United States Senate and he has won reelection three-times since. He is now serving his fourth term, after winning again in 2002 by the largest margin in Massachusetts history. John Kerry entered the Senate with a reputation as a man of conviction. He helped provide health insurance for millions of low-income children. He has fought to improve public education, protect our natural environment, and strengthen our economy. He worked on a bipartisan basis to craft the American response to September 11th and has been a leading voice on American policy in Iraq and Afghanistan, the war on terrorism, the Middle East peace process and Israel's security. In 2003, John Kerry announced that he would be a candidate for president of the United States — and he went on to mount a come from behind campaign that won the Democratic nomination. Today in the United States Senate, he continues fighting for what motivated him to enter public life in the first place: love of country and the call of duty. In his life of public service, John Kerry is sustained by his loving family. He is married to Teresa Heinz Kerry, and they have a blended family that includes two daughters, three sons, one grandchild and three dogs.

Thomas R. Kuhn is president of the Edison Electric Institute (EEI), the association of investor-owned electric companies whose members generate and distribute approximately three-quarters of the Nation's electricity. In addition, EEI has a growing affiliate membership of utilities worldwide. Mr. Kuhn joined the Institute in 1985 as executive vice president, was named chief operating officer in 1988, and elected president in 1990. He currently serves on the Boards of the United States Energy Association, The Alliance to Save Energy, The Electric Drive Transportation Association and the American Council for Capital Formation. He is chairman of the Committee of 100 of the U. S. Chamber of Commerce. He is Chairman-Emeritus of the American Society of Association Executives, and past-chairman of ASAE's Key Industry Association Committee and of the Trade Association Liaison Council. Mr. Kuhn was chosen as Association Executive of the Year 2000 by *Association Trends* magazine. He was the recipient of The Energy Daily's 2000 Public Policy Leadership Award. Mr. Kuhn also received the Alliance to Save Energy's 2004 Chairman's Award. Mr. Kuhn serves on the Boards of the National Park Foundation and the U.S. Navy Memorial Foundation. He also serves on the Board of the National Multiple Sclerosis Society, as well as being a Board member and past chairman of the National Capital Chapter. Mr. Kuhn was awarded the Bess Goodman Humanitarian Award in 2000. Mr. Kuhn received a BA in Economics in 1968 from Yale University, served as a Naval Officer following his graduation, and completed a Masters in Business Administration in 1972 from George Washington University. He completed the Stanford University Graduate School of Business Senior Executive Program in 1989.

Deron Lovaas is currently a senior energy analyst and the vehicles campaign director for NRDC. He has worked at the intersection of transportation, energy and environmental policy for fifteen years and recently served as the chief strategist for major bipartisan oil savings policy and the 2005 federal transportation bill. Previous to his seven years at NRDC, Deron worked, among other places, with the National Wildlife Federation, the Sierra Club and Maryland's Department of Environment.



Alan L. Madian is an economist, management consultant and investment banker. Mr. Madian has provided services as a policy advisor strategy and implementation consultant, financial advisor, and expert witness for more than 30 years. He served as an advisor to the Senate Subcommittee on Antitrust, as Economic Advisor to New York Governor Hugh Carey, and as an energy advisor to the World Bank. He is an expert on industry economics and on economic regulation; he has testified before the Federal Energy Regulatory Commission, The Federal Communications Commission, The U.S. International Trade Commission, The Department of Commerce, in state and federal courts, before state and provincial utility regulatory commissions, and before legislative and cabinet committees. His clients include global commercial and investment banks and Fortune 50 industrial corporations. He served as Chief Consultant on major planning and restructuring projects for the World Bank, the Asian Development Bank and the United Nations Development Program. Mr. Madian's areas of industrial expertise include: electricity production and distribution, including nuclear and wind generation, transportation, financial services, telecommunications, oil and gas production and distribution, mining, and international trade. Mr. Madian received his AB degree, Phi Beta Kappa, from the University of California, Berkeley, an MA from Yale, and pursued D.Phil. studies at Oxford. He served on the faculties of The University of Rochester, Columbia University, The London School of Economics, and NYU.

John Podesta is the president and CEO of the Center for American Progress and visiting professor of law at the Georgetown University Law Center. Podesta served as chief of staff to President William J. Clinton from October 1998 until January 2001, where he was responsible for directing, managing, and overseeing all policy development, daily operations, Congressional relations, and staff activities of the White House. He coordinated the work of cabinet agencies with a particular emphasis on the development of federal budget and tax policy, and served in the President's Cabinet and as a principal on the National Security Council. From 1997 to 1998 he served as both an Assistant to the President and deputy chief of staff. Earlier, from January 1993 to 1995, he was Assistant to the President, Staff Secretary and a senior policy adviser on government information, privacy, telecommunications security and regulatory policy. Podesta previously held a number of positions on Capitol Hill including: counselor to Democratic Leader Senator Thomas A. Daschle; chief counsel for the Senate Agriculture Committee; chief minority counsel for the Senate Judiciary Subcommittees on Patents, Copyrights, and Trademarks; Security and Terrorism; and Regulatory Reform; and counsel on the Majority Staff of the Senate Judiciary Committee. Podesta is a graduate of Georgetown University Law Center and Knox College.

Dan W. Reicher has over 20 years of experience in business, government and non-governmental organizations focused on energy and environmental technology, policy, finance and law. He joined Google in 2007 where he serves as Director of Climate Change and Energy Initiatives for the company's venture called Google.org which has been capitalized with \$2 billion of Google stock to make investments and advance policy in the areas of climate change and energy, global development, and global health. From 1997-2001, Mr. Reicher was Assistant Secretary of Energy for Energy Efficiency and Renewable Energy at the U.S. Department of Energy. As Assistant Secretary, he directed annually more than \$1 billion in investments in energy research, development and deployment related to renewable energy, distributed generation and energy efficiency. Mr. Reicher holds a B.A. in Biology from Dartmouth College and a J.D. from Stanford Law School. He also studied at Harvard's Kennedy School of Government.



William (Bill) N. Reinert is National Manager of Advanced Technology for Toyota Motor Sales, USA. His primary function is to coordinate Toyota's various research, development, and marketing activities related to alternative-fueled vehicles and emerging technologies. He is currently working on several advanced hybrid electric products, direct hydrogen fuel cell vehicles, reformed fuel approaches for hydrogen, full-featured electric vehicles, city electric vehicles, plug-in hybrid concepts, ethanol fuels and sustainable transportation systems. Bill and his team launched the first hydrogen powered fuel cell vehicles in commercial operation in the United States. Successful completion of this effort required careful collaboration with all levels of federal, state and local officials. Bill also helped develop the I-4 program (based around a team comprising Air Products, BMW, Honda, Nissan and Toyota) to respond to the Department of Energy's Hydrogen Validation Program RFP. Before taking over Toyota's North American Fuel Cell efforts, Bill and his team were responsible for Product Planning of the current generation Prius. Bill serves on the Energy Advisory Group for the Southern California Association of Governments (SCAG). He has testified before the U.S. House of Representatives Subcommittee on Energy and Air Quality and is currently part of the Principal Voices Program with CNN, *Fortune* and *Time*. Bill graduated from the University of Colorado, Boulder, with a Masters of Energy Engineering. He received his Bachelors Degree in Biopsychology from the University of Missouri at Kansas City.

David Sandalow is Energy & Environment Scholar and a senior fellow at the Brookings Institution. He is the author of *Freedom from Oil* (McGraw-Hill 2007). Mr. Sandalow is Chair of the Energy & Climate Working Group of the Clinton Global Initiative, a senior advisor to Good Energies, Inc. and a member of the Climate Change Task Force of the Council on Foreign Relations. Mr. Sandalow has served as Assistant Secretary of State for Oceans, Environment & Science; Senior Director for Environmental Affairs, National Security Council; Associate Director for the Global Environment, White House Council on Environmental Quality; and Executive Vice President, World Wildlife Fund-U.S. His opinion pieces and articles have appeared in the *New York Times*, *Washington Post*, *Washington Times*, *Financial Times*, *International Herald Tribune*, *Boston Globe*, *Science* and many other periodicals. He has been a Stimson Fellow at Yale University; commencement speaker at the University of Michigan School of Natural Resource & the Environment; member of the Sustainable Development Roundtable at the OECD; member of the American Bar Association (ABA) Standing Committee on Environmental Law; and co-chair of the ABA's Annual Conference on Environmental Law. Mr. Sandalow is a graduate of the University of Michigan Law School (JD) and Yale College (BA Philosophy).

Chelsea Sexton found her passion at an early age with the General Motors EV1 electric vehicle program. Focusing on building a market for alternate-fuel vehicles through partnerships with corporate and non-profit stakeholders, shaping public policy and incentives, developing marketing strategies, and working directly with the drivers themselves, Chelsea became well-known as an advocate for clean, efficient, fun transportation. When General Motors ended the EV1 program in 2001, Chelsea left the company. Still, cars, energy and technology remain so much a part of her DNA that she continues to focus on how they may be used to improve our global economy and environment. Chelsea led the creation of the Automotive X PRIZE in 2005, and continues to focus on these issues through her non-profit, Lightning Rod. She is also a Founder of Plug In America, a coalition of individuals and organizations that advocates for the use of plug-in vehicles by assisting legislators in creating effective policy, working with automakers to encourage production, and through consumer education. Chelsea is one of the key individuals featured in the 2006 film, "Who Killed the Electric Car?" by Sony Pictures Classics, the Sundance Channel Series, "Big Ideas for a Small Planet", and several books dealing with alternative fuel transportation.



Susan F. Tierney, a Managing Principal at Analysis Group in Boston, is an expert on energy and environmental policy, regulation and economics. As a consultant for the past dozen years, she has worked for public and private-sector clients on gas and electric market issues and regulatory policy, market monitoring and competitive resource procurements, resource, regional transmission organizations, siting of generation and transmission and natural gas pipeline projects, energy infrastructure investment policy, policies for energy efficiency and renewables, and climate change policy. She is a director of Renegy Holdings Inc., the Energy Foundation, Clean Air-Cool Planet/Climate Policy Center, and the Northeast States Clean Air Foundation; and a member of the Advisory Council of the National Renewable Energy Laboratory, the Massachusetts Renewable Energy Trust Advisory Council, the Environmental Advisory Council of the New York Independent System Operator, the Market Advisory Board of Ze-Gen, Inc., the advisory board of Clean Air Task Force, and the Policy Advisory Council of the China Sustainable Energy Project. Formerly, she was a director of the Electric Power Research Institute, and chair of the board of the Electricity Innovations Institute.

Vijay Vaitheeswaran is an award-winning correspondent for *The Economist*. He joined the staff as the London-based Latin America Correspondent in 1992. He opened its first office in that region in Mexico City, and served as bureau chief until 1997. As the magazine's Environment & Energy Correspondent, he covered the politics, economics, business and technology involved in those topics from 1998 to 2006. His current portfolio now encompasses global health, biotechnology, and innovation. Vijay is an advisor to the Davos World Economic Forum on innovation and clean energy, and has served as a term member at the Council on Foreign Relations. He teaches at NYU's Stern Business School, and is a commentator on *NPR* and the *Lehrer NewsHour*, in the *Wall Street Journal* and *New York Times*, and at other media outlets. Vijay's latest book, "ZOOM: The Global Race to Fuel the Car of the Future", co-authored with *Economist* colleague Iain Carson, was named a Book of the Year by the *Financial Times*. He is also the author of another well-received book on the future of energy, "Power to the People". Harvard's John Holdren, reviewing the book in *Scientific American*, called it "by far the most helpful, entertaining, up-to-date and accessible treatment of the energy-economy-environment problematique available." His writings have received various prizes in America and abroad, including honors from Britain's *Business Journalist of the Year Awards* and from the International Association of Energy Economists. Vijay graduated as a Truman Scholar with a degree in mechanical engineering from the Massachusetts Institute of Technology. He was a National Merit Scholar and co-valedictorian of his class at Cheshire High School. He was born in Madras, India, and grew up in Cheshire, Connecticut. He now lives in New York City.

David Vieau is the President and CEO of A123Systems, one of the world's leading suppliers of high-power lithium ion batteries with breakthrough patented Nanophosphate™ technology. Mr. Vieau has served as A123Systems only President and CEO, joining the company in March of 2002, three months after the company's initial financing. He brings more than thirty years of experience and leadership in developing rapid-growth technology and component businesses. Applying his expertise to A123Systems, Mr. Vieau has led the expansion of A123 from its initial creation to currently more than 1,200 employees, and through more than \$250 million in private financing. Mr. Vieau serves as a Board Member for Avocent, a leading global provider of IT infrastructure management solutions for enterprise data centers. He earned a Bachelor of Science Degree in Mechanical Engineering from Syracuse University in 1972.



Commissioner Jon Wellinghoff is a member of the Federal Energy Regulatory Commission (FERC), the agency that oversees wholesale electric transactions and interstate electric transmission and gas transportation in the United States. He was sworn in by Senate Majority Leader Harry Reid in 2006 and recently re-appointed to a second term. Commissioner Wellinghoff is an energy law specialist with more than 30 years experience in the field. Commissioner Wellinghoff's priorities at FERC include opening wholesale electric markets to renewable resources, providing a platform for participation of demand response and other distributed resources in wholesale electric markets including energy efficiency and plug-in hybrid electric vehicles (PHEVs), and promoting greater efficiency in our nation's energy infrastructure through the institution of advanced technologies and system integration. He was instrumental in creating FERC's Energy Innovations Sector (EIS), which is responsible for investigating and promoting new efficient technologies and practices in the energy sectors under FERC's jurisdiction. Commissioner Wellinghoff is co-chair of the Demand Response Collaborative launched jointly by FERC and the National Association of Regulatory Utility Commissioners (NARUC) and is a member of NARUC's Committee on Energy Resources and the Environment. He is a member of the Advisory Committee of the Institute for Electric Efficiency and served as an advisor to the Defense Science Board's Energy Policy Task Force. Commissioner Wellinghoff also advises the Energy Foundation and the NRDC on China-U.S. energy policy matters.

R. James Woolsey is Venture Partner with VantagePoint Venture Partners. Mr. Woolsey is also a Senior Executive Advisor to Booz Allen Hamilton; Counsel to the law firm of Goodwin Procter; and chairman of the Strategic Advisory Group of Paladin Capital Corporation. Before he joined VantagePoint in March 2008, Mr. Woolsey was a partner with Booz Allen Hamilton in McClean, Virginia, specializing in energy and security issues, and prior to that a partner with Shea & Gardner in Washington D.C., specializing in commercial litigation and alternative dispute resolution (arbitration and mediation). He practiced at the firm for 22 years, on four different occasions, and served five times in the federal government for a total of 12 years, holding Presidential appointments in two Democratic and two Republican administrations. He served as Director of Central Intelligence (1993-95), Ambassador and Chief Negotiator for the Conventional Armed Forces in Europe (CFE) Treaty in Vienna (1989-91), Delegate at Large (on a part-time basis) to the Strategic Arms Reductions Talks (START) and the Defense and Space Talks in Geneva (1983-86), Under Secretary of the Navy (1977-79), and General Counsel to the U.S. Senate committee on Armed Services (1970-73). He has served on numerous corporate and non-profit boards. From time to time he speaks publicly and contributes articles to newspapers and other periodicals on such issues as national security, energy, foreign affairs and intelligence.

Mary Ann Wright is the Vice President and General Manager of Hybrid Systems for Johnson Controls, and also leads the Johnson Controls-Saft Advanced Power Solutions joint venture. Ms. Wright joined the company in March 2007 and is responsible for accelerating the growth and executing the launch of hybrid, plug-in hybrid and electric vehicle battery programs with emphasis on state of the art technology, manufacturing and electronics integration. She previously served as Director, Sustainable Mobility Technologies and Hybrid Vehicle Programs at Ford Motor Company. In this capacity she was responsible for all hybrid, fuel cell and alternative fuel technology development. Wright also served as Chief Engineer of the 2005 Ford Escape Hybrid, the industry's first full hybrid SUV. Wright has been recognized by *Automotive News* as one of the "Leading 100 Women in the Automotive Industry." She earned a bachelor's degree in Economics and International Business from the University of Michigan, a Master of Science degree in Engineering from the University of Michigan and a Master of Business Administration degree from Wayne State University.

