

**BUILDING  
THE RENEWABLE  
ENERGY MARKET**  
IN NORTH AMERICA

**HACIA UN  
MERCADO DE  
ENERGÍA RENOVABLE**  
EN AMÉRICA DEL NORTE

**BÂTIR LE MARCHÉ  
DES ÉNERGIES  
RENOUVELABLES**  
EN AMÉRIQUE DU NORD



**ABOUT THE SPEAKERS  
ACERCA DE LOS PONENTES  
BIOGRAPHIES DES CONFÉRENCIERS**





## **The Honourable Stéphane Dion**

Minister of the Environment  
Canada

Stéphane Dion was sworn in as Minister of Environment Canada on 20 July 2004. He previously held the post of President of the Queen's Privy Council for Canada and Minister of Intergovernmental Affairs from 1996 to 2003.

First elected to the House of Commons in 1996, Mr. Dion obtained his bachelor's and master's degrees in political science from Laval University in 1977 and 1979, respectively. He received his doctorate in sociology from the Institut d'études politiques in Paris, and taught at the University of Moncton and Université de Montréal from 1984 to 1986.

During the same period, Stéphane Dion was also a visiting professor at the Laboratoire d'économie publique in Paris, senior research fellow at the Brookings Institution in Washington, D.C., co-director of the Canadian Journal of Political Science and research fellow with the Canadian Centre for Management Development. Between 1987 and 1995, he published a number of books and articles on political science, public administration and management.



## **Thomas J. Mulcair**

Ministre de l'Environnement  
Leader parlementaire adjoint  
Québec

Avocat, Thomas Mulcair, 49 ans, est bachelier en droit et en droit civil de l'Université McGill et membre du Barreau du Québec depuis 1979. Il a entre autres travaillé comme avocat au ministère de la Justice du Québec, comme directeur des affaires juridiques pour Alliance-Québec, comme professeur à l'Université du Québec à Trois-Rivières, et comme président de l'Office des professions du Québec. Il était aussi très actif dans les domaines associatifs et communautaires.

Élu député de la circonscription de Chomedey aux élections générales du 12 septembre 1994, réélu en novembre 1998 et en avril 2003, Thomas Mulcair fut porte-parole de l'Opposition officielle en matière d'industrie et de commerce. Leader adjoint de l'Opposition officielle depuis 1998, il fut membre de l'Association parlementaire du Commonwealth, section du Québec, et de la Délégation de l'Assemblée nationale pour les relations avec le Parlement centraméricain. Il fut aussi vice-président de la Délégation de l'Assemblée nationale pour les relations avec le Brésil. Depuis avril 2003, il est ministre de l'Environnement et leader adjoint du gouvernement.

Thomas Mulcair est marié à Catherine Pinhas et est le père de deux garçons.



## **Chantal Line Carpentier**

Head, Environment, Economy and Trade Program  
Commission for Environmental Cooperation

[www.cec.org](http://www.cec.org)

Dr Carpentier spent 2 years at the Wallace Institute for Alternative Agriculture, a sustainable agriculture think tank prior to joining the CEC. She had previously spent two years in the Brazilian Amazon with the International Food Policy Research Institute (one of the 16 Consultative Group on International Agriculture Research) to study and model sustainable agriculture alternatives for the Amazon. She holds a Ph.D. degree in Agricultural and Environmental Economics from Virginia Tech and B.S. and M.S. degrees from McGill University in Agricultural and Natural Resources Economics.



## **Scot Case**

Director of Procurement Strategies  
Center for a New American Dream

[www.newdream.org](http://www.newdream.org)

Scot Case is an internationally recognized expert on environmentally preferable purchasing with more than 10 years of professional experience. As Director of Procurement Strategies at the Center for a New American Dream, Scot helps institutional purchasers buy less polluting products from less polluting companies. His position keeps him in touch with thousands of public and private sector officials across the country that are interested in reducing the environmental impacts of their purchasing decisions without increasing costs.

He has published dozens of articles and case studies. As a consultant to the U.S. Environmental Protection Agency, he wrote an extensive series of reports documenting the growing environmental purchasing movement, including *State and Local Government Pioneers* and *Private Sector Pioneers*. He currently writes a regular feature in *Government Procurement* magazine called "The Green Purchaser."

Scot conducts environmental purchasing trainings sessions of up to 8-hours that have been delivered to the National Institute of Governmental Purchasers; the U.S. Environmental Protection Agency; the World Bank; Portland, Oregon; Seattle, Washington; the Philippine Department of Natural Resources; the Japanese Green Purchasing Network; and scores of private sector employees from companies like Microsoft, Starbucks, Hewlett Packard, and others.

In addition, he also works with experts to build consensus and momentum behind environmental purchasing criteria such as the specifications being used nationwide to buy safer, effective cleaning products. He also recently helped launch the North American Green Purchasing Initiative (NAGPI), a network of organizations working to accelerate the demand for safer, more environmentally preferable products.

He earned his Bachelors and Masters Degrees from Virginia Tech. Scot currently resides in Reading, Pennsylvania, with his wife and year-old daughter in a 150-year old farmhouse they restored using environmentally friendly building materials.



## **Bob Dixon**

Senior Executive Board Member  
US Department of Energy

[www.energy.gov](http://www.energy.gov)

Dr. Robert K. Dixon is with the Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy (DoE). He has more than 20 years of energy and environment experience with three federal agencies, the private sector and academia. Dr. Dixon earned his B.S, M.S. (1979) and Ph.D. (1982) degrees from the University of Missouri, Columbia, Missouri.

Dr. Dixon was a tenured faculty member at the University of Minnesota and Auburn University from 1982 to 1989. He was competitively awarded an Exxon Fellowship in 1984 and a Smithsonian Fellowship in 1985. Dixon also served as a Visiting Professor at Oxford University, United Kingdom, Humboldt University, Germany, Delhi University, India and Kasetsart University, Thailand during the 1980s. He is the author or co-author of seven books and over 125 scholarly journal articles on energy and environment science and policy topics. He was a consultant to the Office of Science and Technology Policy (OSTP) during the Reagan Administration.

The U.S. Agency for International Development (AID) and Winrock International employed him in 1986 to manage energy science and policy programs in Asia. During this period he helped develop AID's network of Renewable Energy Program Support Offices (REPSO) and led energy policy reform efforts in 11 countries. Dixon led or developed energy and environment projects, sponsored by various bilateral (e.g., USDA, NASA) and multilateral (e.g., UNDP, World Bank, UNEP) organizations in over 80 countries worldwide (1982 to present).

Dr. Dixon is co-founder Plant Health Care, Inc. (1987). Plant Health Care, Inc., a biotechnology research and development firm, markets or licenses processes and products in all 50 U.S. states and more than 30 foreign countries. Dixon started his career with the Allied Corporation and managed a large-scale research, development and technology deployment program for four years. He is the co-author of two U.S. patents.

In 1989, Dixon joined the U.S. Environmental Protection Agency's (EPA) Office of Research and Development as a Senior Scientist. He led a national research and development program to support the Clean Air Act and Amendments. In 1991, Dixon was seconded to EPA's Policy Office to support the Administrator and the Executive Office of the U.S. President (Bush Administration) in preparation for the 1992 UN Conference on Environment and Development (Earth Summit). He was awarded EPA's bronze medal for his contributions in 1992. He was an adjunct Professor at Oregon State University from 1989 to 1997.

Dr. Dixon led two Presidential Initiatives: U.S. Country Studies Program (1992 to 1998) and the U.S. Initiative on Joint Implementation (1995 to 1998) to advance U.S. strategic interests in the UN Framework Convention on Climate Change (FCCC). Dixon has served on the U.S. negotiating team for the FCCC since 1990. He has also served in a variety of senior U.S. diplomatic assignments, lived in six countries during his career, and developed foreign language capabilities.

In 1997, Dr. Dixon joined DOE's Office of Energy Efficiency and Renewable Energy (EERE). At DOE he has been engaged in policy analysis, research and development and program management. From 1999 to 2002 Dr. Dixon served as Deputy Assistant Secretary and led the largest renewable energy research and development program in the world. He is currently Co-Chairman of the International Energy Agency's Renewable Energy Working Party.

Dr. Dixon lectures at the Johns Hopkins University Paul H. Nitze School of Advanced and International Studies (SAIS) and Georgetown University. He appears on public television programs such as the Discovery Channel. Dr. Dixon has been an advisor to the International Foundation for Science, CARE and other philanthropic organizations. He also has been a consultant and contributor to the U.S. National Academy of Science and the U.S. National Academy of Engineering activities during the past 10 years. Dixon has been honored with awards from the public and private sector, as well as, scientific organizations for his distinguished public service.



## **Ing. Carlos Domínguez Ahedo**

Director General

Comisión Nacional para el Ahorro de Energía (Conae)

[www.conae.gob.mx](http://www.conae.gob.mx)

**PROFESIÓN:** Ingeniero Mecánico Administrador (IMA) del Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), Campus Monterrey.

**OTROS ESTUDIOS:** Diferentes cursos en Universidades e Institutos de México y de los Estados Unidos: IPADE, Monterrey; Universidad de las Américas, Puebla; U.C.L.A., Los Angeles, Cal.; Northwestern University, Chicago, Ill., entre otros.

**INSTITUCIÓN QUE REPRESENTA:** Comisión Nacional para el Ahorro de Energía (CONAE)

**CARGO:** Director General

**EXPERIENCIA LABORAL:**

De 1973 a 1997 trabajó en HYL SAMEX (Empresa Siderúrgica del Grupo Alfa, antes conocida como "Hojalata y Lámina" o HYL SA, SA de CV.) Ocupó diversos cargos entre los que destacan: Director Comercial, Director de Planeación Tecnológica, y Director de Investigación y Desarrollo, entre otros.

Asimismo, de 1997 a 1998 fue Contralor General del Estado de Nuevo León, posteriormente de 1998 a 2001, fue Titular de la Oficina del Gobernador de ese Estado.

Desde el mes de julio de 2004, es el Director General de la Comisión Nacional para el Ahorro de Energía (Conae).

## **M.C. Juan Rafael Elvira Quesada**

Subsecretario de Fomento y Normatividad Ambiental  
Secretaría de Medio Ambiente y Recursos Naturales  
[www.semarnat.gob.mx](http://www.semarnat.gob.mx)

Juan Rafael Elvira Quesada realizó estudios de Licenciatura en Ingeniería Agrícola en la Universidad Nacional Autónoma de México, posteriormente, obtuvo el título de Maestro en Ciencias en Ingeniería Agrícola por el Silsoe College, Cranfield Institute of Technology, National College of Agricultural Engineering, Bedfordshire, Inglaterra.

En su trayectoria laboral destacan las siguientes experiencias: como Presidente Municipal de Uruapan, Michoacán (1999 a 2001); como Delegado Federal de la Procuraduría Federal de Protección al Ambiente PROFEPA, en el Estado de Michoacán (abril de 2002 a septiembre de 2003); como Director General del Sector Primario y Recursos Naturales Renovables de la SEMARNAT (septiembre de 2003 a junio de 2004); como Coordinador del Programa para la Recuperación y Sustentabilidad de la Cuenca Lerma Chapala; y actualmente, como Subsecretario de Fomento y Normatividad Ambiental de la Secretaría de Medio Ambiente y Recursos Naturales.



### **Ted Ferguson**

Vice President  
The Delphi Group  
[www.delphi.ca](http://www.delphi.ca)

Ted is an expert in the fields of sustainable energy solutions, corporate sustainability and climate change. He has worked for leading edge companies and initiatives which seek to bridge the gap between business needs, energy issues, environmental concerns, and long-term sustainability.

Ted leads the Energy and Environment business unit at Delphi. This area of Delphi's operations is designed to respond to the growing demand in North America and worldwide for innovative and sustainable solutions to issues related to energy consumption and production. Ted assists companies and government policy makers better understand how sustainable energy policies and practices can lead to improved financial, environmental and social performance. Ted also leads this business unit's services to companies and governments trying to solve complex policy and management needs around corporate greenhouse gas regulations and policy.

In addition, Ted applies his expertise as a 'sustainability business partner' to Delphi's management of the EXCEL Partnership. In this capacity he works to assist EXCEL partners integrate sustainability thinking for better corporate performance across all three bottom lines.

Prior to joining Delphi, Ted worked for BC Hydro, where he was responsible for corporate sustainability strategy and climate change risk management, focussing on green power development and energy efficiency. Ted also has worked for Foreign Affairs Canada, helping to develop the first set of rules and guidelines for the international emission markets. Ted was project coordinator for Canada's earliest foray into greenhouse gas trading. Prior to that, he worked for one of Canada's foremost environmental groups.



**Christine Fréchette,**

Présidente directrice générale

Forum sur l'Intégration Nord-Américaine (FINA)

[www.fina-nafi.org](http://www.fina-nafi.org)

Christine Fréchette a fondé et dirige le Forum sur l'Intégration Nord-Américaine (FINA) depuis 2002. Le FINA, basé à Montréal, se spécialise dans l'organisation de conférences nord-américaines portant sur des enjeux politiques et économiques auxquels sont confrontés les partenaires de l'ALÉNA. Elle a notamment organisé en avril 2004 la conférence "Vers une sécurité énergétique nord-américaine" à Monterrey. Elle est diplômée de maîtrise en relations internationales. Elle a précédemment travaillé à la Confédération parlementaire des Amériques, laquelle a permis la mise en réseau de l'ensemble des parlements du continent. Elle est membre du conseil d'administration du Conseil du statut de la femme.



**Norbert Gorißen**

Head of Division for International and EU Affairs of Renewable Energies  
Ministry for the Environment, Nature Conservation and Nuclear Safety  
(Germany)

[www.bmu.de](http://www.bmu.de)

Norbert Gorißen (46) heads the division International and EU Affairs in the Field of Renewable Energies in the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety. In this capacity he was responsible for the preparation and organisation of the International Conference for Renewable Energies in Bonn in June 2004 (renewables 2004). He represents Germany in the Renewable Energy Working Party of the International Energy Agency in Paris.

He joined the Ministry in 1999 and worked for 3 years as a desk officer in the European Union division. Between 1986 and 1999 he held different positions in the Federal Environmental Agency of Germany and worked on various aspects of transport and environment, in both a national and international context. He has a masters' degree in mechanical engineering from the Rheinisch-Westfälische Technical University Aachen.



## **Jan Hamrin**

Executive Director  
Center for Resource Solution  
[www.resource-solutions.org](http://www.resource-solutions.org)

Dr. Jan Hamrin is Executive Director of the Presidio Center for Resource Solutions (CRS), a non-profit organization created to foster leadership in the implementation of clean energy and sustainable development practices through education, training and expert assistance. CRS domestic programs include: the Green-e certification program; and Green Pricing Accreditation Program. The International programs include: Regulatory/Policy Assistance Programs (including renewable energy policy assistance to China); and The Global Guardianship Initiative with the Nature Conservancy.

Prior to joining CRS, Jan served as Research Director for the National Council on Competition and the Electric Industry (a joint project of NARUC and NCSL) where she focused attention on the public interest policies and issues associated with restructuring. Jan co-authored a book for NARUC on restructuring and its potential implications for renewables, energy efficiency and RD&D entitled Affected with the Public Interest and one entitled Investing in the Future: A Regulator's Guide to Renewables.

Dr. Hamrin received her Ph.D. in Ecology from the University of California at Davis, with emphasis on public policy evaluation of environmental and energy programs. She also holds Masters degrees in Consumer Science and Public Administration.



## **Craig Hanson**

Senior Associate  
World Resources Institute  
[www.wri.org](http://www.wri.org)

Craig Hanson is a Senior Associate with the World Resources Institute's Sustainable Enterprise Program. He is the project manager of the Green Power Market Development Group, a unique partnership between WRI and 12 major U.S. commercial and industrial firms dedicated to building corporate markets for green power.

Prior to joining WRI, Craig was a management consultant in Chicago and Copenhagen for five years with McKinsey & Company. His clients included international industrial firms in a range of sectors including automotive and heavy equipment manufacturing. He has worked extensively on issues such as corporate purchasing practices and strategy.

Craig earned an MSc and an MA from Oxford University and a BA from Georgetown University.



## **Theresa Howland**

Manager, Green Energy Marketing  
Vision Quest Windelectric  
[www.visionquestwind.com](http://www.visionquestwind.com)

Theresa works one-on-one with corporations and organizations to develop unique and innovative Green Energy® solutions that meet individual needs. As a Director for the Canadian Wind Energy Association, Theresa actively pursues practical implementation strategies and develops policy recommendations that support renewable energy growth on a national scale.

Prior to joining Vision Quest, Theresa was Manager of ENMAX Energy's green power program, Greenmax - a program that grew more than 300% under her stewardship. Theresa holds a Bachelor of Commerce degree from the University of Calgary.



## **Jorge Huacuz**

Gerente de Energías Renovables  
Instituto de Investigaciones Eléctrica  
[www.iie.org.mx](http://www.iie.org.mx)

JORGE M. HUACUZ is head of renewable energy research at the Electrical Research Institute of Mexico;

- Graduated with honors as a Chemical Engineer from the National Autonomous University of Mexico City (1970), and holds MS and PhD degrees (1975/1979) in Engineering Physics from the University of California, campus San Diego, USA.
- Is a founding member and was the national president of the Mexican Solar Energy Society for the period 1989-1990
- For the past six years he was the international coordinator of the Network for Rural Electrification with Renewable Energy (RIER), of the Iberian-American Program of Science and Technology for Development (CYTED)
- Coordinates technical support activities to the rural electrification program with renewable energy of Mexico, on behalf of the Mexican Federal Commission of Electricity and the Ministry of Energy
- Is an invited observer at the Renewable Energy Working Party of the International Energy Agency, and member of the Executive Committee of the Solar PACES Implementing Agreement of the same Agency
- Is a member of the Mexican Consulting Council to Foster Renewable Energies
- Has been member of the International Solar Energy Society (ISES) and has been Associate Editor for photovoltaic systems of the ISES Journal Solar Energy
- Has given seminars and conferences on renewable energy for distributed generation and rural electrification in several countries and has published book chapters and various articles on the subject in local and international journals
- Is the current chairman of the high level Committee for Renewable Energy R&D on behalf of the Mexican Energy Secretariat
- Holds the title of Distinguished National Researcher awarded by the Mexican Government



## **Ubaldo Inclán Gallardo**

Director of Renewable Energy and Environment  
Energy Ministry (Mexico)  
[www.energia.gob.mx](http://www.energia.gob.mx)

Mr. Ubaldo Inclán is a Civil Engineer graduated from the Mexico's National Autonomous University (UNAM) who furthered his studies in a Masters Course of Environment Engineering at the same University. He has worked in the private sector for several companies, firstly as a Structure Engineer and subsequently as Environmental Engineer.

Actually Mr. Inclán is Director of Sustainable Development and Climate Change at the Energy Ministry (SENER), where he is in charge, among other activities, of the National Program of Rural Electrification, activities for the promotion and validation of projects to participate in the Clean Development Mechanism, and participates in the design and implementation of the "Large Scale Renewable Energy Development Project".



## **Tom Kerr**

Chief, Energy Supply and Industry Branch  
US Environmental Protection Agency  
[www.epa.gov](http://www.epa.gov)

Mr. Kerr is the Chief of EPA's Energy Supply and Industry Branch, a group that promotes clean energy solutions that avoid the risk of climate change. The Branch includes partnership efforts to encourage corporate renewable energy purchasing and to facilitate clean, efficient combined heat and power projects, as well as Climate Leaders, an innovative EPA/industry partnership that promotes corporate commitments to reduce and report their greenhouse gas emissions. The Climate Protection Partnerships Division more broadly promotes market-based solutions to mitigate climate change, including the flagship Energy Star program for energy efficiency.

Prior to this position, Mr. Kerr worked in the private sector, providing government and industry clients with assistance in promoting clean energy and renewable energy technologies. Mr. Kerr has also held other positions within the government, having served as the EPA Landfill Methane Outreach Program (LMOP) Team Leader for three years, and working as an Environmental Impact Analyst for the U.S. Overseas Private Investment Corporation.

Mr. Kerr has a Master's in International Environmental Law from Georgetown University, a J.D. in Environmental Law from DePaul University, and received his B.A. in Economics from the University of Michigan. Mr. Kerr is also an adjunct Professor of Law for the American University's School of International Service.



## **Dr. Matthew Kiernan**

Chief Executive  
Innovest Strategic Value Advisors  
[www.innovestgroup.com](http://www.innovestgroup.com)

Dr. Kiernan is Founder and Chief Executive of Innovest Strategic Value Advisors, Inc., a specialist investment advisory firm based in New York, Toronto, London, and Paris. Innovest's clients include several of the leading institutional investors in North America, Europe, and Asia Pacific, as well as a number of Fortune Global 500 industrial companies. Innovest's largest outside investor is ABP, the second largest pension fund in the world. Dr. Kiernan's consulting clients at Innovest have included the World Bank, IFC, UNEP Finance Initiative, and ABN AMRO Brazil.

Prior to founding Innovest, Dr. Kiernan had served as Director of the Geneva-based Business Council for Sustainable Development, where he led the group's initial capital markets task force. The Group served as Principal Business and Industry Advisor to the U.N. Earth Summit in Rio de Janeiro in 1992. Prior to that he had served as a senior partner with KPMG Peat Marwick, one of the world's leading business and financial consultancies.

Dr. Kiernan has also lectured on environmental finance in executive programs at the Wharton School, Columbia Business School, and Oxford University. He holds advanced degrees in political science and environmental studies, as well as a Ph.D. in strategic environmental management from the University of London. He is a frequent contributor to leading business and investment journals, and his book, *The 11 Commandments of 21st Century Management*, is published by Simon & Schuster and has been translated into eight languages.



## **Dale Marshall**

Policy Analyst  
David Suzuki Foundation  
[www.davidsuzuki.org](http://www.davidsuzuki.org)

Dale Marshall is a climate change policy analyst for the David Suzuki Foundation. Previously, Dale spent four years as environmental policy analyst for the BC office of the Canadian Centre for Policy Alternatives, doing research and communications related to BC's energy, forestry, aquaculture, and fisheries sectors. Dale has a Master's degree in Resource and Environmental Management from Simon Fraser University, a Bachelor's degree in Environmental Science from the University of Western Ontario and a Bachelor's degree in Mechanical Engineering from McGill University.

## **Dr. Juan Mata**

Director General de Investigación, Desarrollo de Tecnología y Medio Ambiente  
Secretaría de Energía

[www.energia.gob.mx](http://www.energia.gob.mx)

Juan C. Mata Sandoval es Ingeniero Químico por la Universidad Nacional Autónoma de México, maestro en Ingeniería Ambiental por la Universidad Politécnica de Cataluña y Doctor en Ingeniería Ambiental por la Universidad de Maryland. Tiene más de 15 años de experiencia en investigación de tecnologías y el diseño, implementación y supervisión de proyectos y programas para: 1) la re-conversión industrial al uso de procesos ambientalmente compatibles, 2) la prevención, el control y la mitigación de la contaminación, 3) la promoción de energías renovables, 4) evaluaciones de impacto medio-ambientales y 5) el cumplimiento de México y otros países de América Latina ante acuerdos internacionales (Protocolo de Montreal, Convención de Estocolmo, Protocolo de Kyoto) para la protección del medio ambiente global. Cuenta con experiencia profesional en el sector industrial privado en empresas tales como Du Pont de México S.A de C.V., Sigma Coatings S.A. de C.V. Tiene experiencia en proyectos de investigación tanto en México como en el extranjero en instituciones tales como El Instituto de Geografía de la UNAM y el Centro de Investigaciones Agrícolas de Beltsville, Maryland del Departamento de Agricultura de los EEUU (BARC-USDA). Ha sido Consultor Ambiental del Banco Mundial en la División de Desarrollo Social y Ambiental Sustentable para América Latina (ESSED-LAC), supervisando proyectos para eliminar el uso y la producción de sustancias que agotan la capa de ozono dentro del Protocolo de Montreal en la región de América Latina. A partir del año 2002, es Director de Energía y Medio Ambiente en la Secretaría de Energía. Desde el 2003 funge como Director General de Investigación, Desarrollo Tecnológico y Medio Ambiente de la Secretaría de Energía. Es autor de más de 10 publicaciones en revistas científicas y tecnológicas relacionadas con temas de Medio Ambiente e Industria y ha asistido en representación de la Secretaría de Energía y del Gobierno de México a diversos Foros Nacionales e Internacionales, presentando ponencias y conferencias en temas de Energía y Medio Ambiente, Energías Renovables y Cambio Climático. En Junio del 2004 actuó como jefe de la Delegación de México en la Cumbre Mundial de Energías Renovables de Bonn, Alemania.



## **Ismael Aníbal Nuño Ucaranza**

Country Energy Coordinator

IBM Corporation

[www.ibm.com](http://www.ibm.com)

1999 - 2004

IBM Guadalajara, Jalisco, Mexico. Mexico Country Energy Saving Coordinator and Guadalajara Intelligent Building Coordinator. (Lighting, HVAC, and Industrial System Automation, Fire Alarm System, Security Equipment System).

2002 – 2003

Energy Saving Projects Course, imparted by Ingeniería Energética Integral

Andover Controls Certificate of Training in Continuum Configuration & Plain English Introduction Course, imparted by Victor Iglesias from Andover Controls Mexico.

IBM Energy Symposium held on September 8th, 9th and 10th 2003, at IBM Palisades

2000 – 2001

Photovoltaic Cells Course, imparted by "Instituto de Astronomía y Meteorología del Centro Universitario de Ciencias Exactas e Ingenierías de la Universidad de Guadalajara", 20 hours.

Linux Training Diploma, imparted by Proulex Complex University of Guadalajara.

Network Administration Training Diploma. Proulex Complex. University of Guadalajara.

1999 – 2000

ESD Course, imparted by “Instituto de Astronomía y Meteorología del Centro Universitario de Ciencias Exactas e Ingenierías de la Universidad de Guadalajara”

Thermometry Course, (temperature & humidity), imparted by “MetAs S. A. de C. V.” (Metrólogos Asociados),

Metrology & Industrial Automation Course, (selected items), imparted by “MetAs S. A. de C. V.” (Metrólogos Asociados)

Environmental Auditory Course, imparted by PROFEPA Mexico, PROFEPA Delegación Jalisco and University of Guadalajara,

1994 – 1998

Bachelors. Communication and Electronic Engineering. University of Guadalajara.

Thesis awarded with the “Juan I. Matute” (Engineering) First Place gave it by the CANACO (National Chamber of Commerce). Guadalajara, Jalisco, Mexico, Jun 19, 2000.

Awards:

Help to IBM campus GDL to get the Second Place on the IX National Electrical Energy Saving Award.

Help to IBM campus GDL to get the Second Place on the XI National Electrical Energy Saving Award.

IBM GDL Extraordinary Contribution Award. (Electric Photo Voltaic Source System to source Outdoor or Perimeter CCTV Camera System, 12 Cameras)

Thesis awarded with the “Juan I. Matute” (Engineering) First Place gave it by the CANACO (National Chamber of Commerce). Guadalajara, Jalisco, Mexico, Jun 19, 2000.



## **Ken Ogilvie**

Executive Director

Pollution Probe

[www.pollutionprobe.org](http://www.pollutionprobe.org)

Ken Ogilvie is the Executive Director of Pollution Probe, one of Canada’s most respected environmental groups.

Ken joined Probe in October 1995 after serving for almost two years as the Executive Coordinator of the Ontario Round Table on Environment and Economy. His position previous to that was Manager of Policy Coordination for the Ontario Ministry of Environment and Energy. He has also worked for Environment Canada and the Manitoba Department of Environment.

Ken’s first job at Pollution Probe was to build a long-term, comprehensive air programme. Pollution Probe has also implemented new programmes in children’s health, and has developed a new comprehensive water programme. A major programme to promote green power in Canada is currently being implemented.

Ken has 30 years of experience in government, institutional and not-for-profit organization positions, ranging from project engineering to policy development and public advocacy.



## **Ralph Overend**

Senior researcher  
National Renewable Energy Laboratory  
[www.nrel.gov](http://www.nrel.gov)

Ralph joined the National Renewable Energy Laboratory in 1990 to provide technical leadership in biomass, including field management to DOE's Biomass Power program. He has worked extensively in the development of long-range plans and strategies for biomass power and biofuels. Over the years he has made contributions in thermochemical conversion and biomass pretreatment. He has been involved from bench scale to large-scale biomass gasification systems, such as the Vermont Gasification project, a 60 MW thermal indirect gasification system attached to the McNeil station in Burlington, Vermont. He also works on the science background to the resource and carbon cycle implications of large-scale biomass energy deployment. The preceding 20 years were spent with the National Research Council of Canada, as manager of the Bioenergy Program and advisor to the Department of Energy Mines and Resources on biomass energy. Ralph has co-authored 225 peer-reviewed publications and presented more than 150 lectures and talks nationally and internationally.

He was the Chairman of the American Chemical Society Cellulose Division 1993-94. He edits the journal, Biomass and Bioenergy, and the biomass section of the journal, Solar Energy, in addition to being a member of several editorial boards. He has also served as a United Nations, World Bank, and FAO lecturer/advisor in the USSR, China, Pakistan, and Mexico. He recently completed the biomass component of a renewable energy atlas for the Government of the Philippines.

Significant recognitions for outstanding scientific contributions in biomass and bioenergy include: Fellow of the Chemical Institute of Canada, 1990; Johannes Linneborn Prize, 1996; H.M. Hubbard Award, 1997; R&D 100 Award, 1998; NREL Research Fellow, 2000; the Thomas R. Miles Award, 2001, and the World Renewable Energy NetworkC Pioneer Award, 2002.

## **George Sterzinger**

Executive Director  
Renewable Energy Policy Project  
[www.solstice.crest.org](http://www.solstice.crest.org)

George Sterzinger, REPP's executive director, has more than twenty years experience in energy policy and regulation. In the late 1980's, as Commissioner of the Vermont Department of Public Service, he initiated state efforts to secure an advanced gasifier that could use waste wood to power an advanced turbine generator. As a direct result of these efforts, a commercial scale biomass gasifier is undergoing testing at the McNeil generating station in Burlington, Vermont and is expected to start commercial development in the near future.

Mr. Sterzinger also worked extensively with the Corporation for Solar Technologies and Renewable Resources to establish a solar development zone in Nevada. He conducted the feasibility study for that project and wrote the initial request for proposals (RFP) that secured an agreement with Enron to develop up to 100 MW of photovoltaic (PV) capacity and sell the output at 5.2 cents per kWh (\$1995, adjusted for inflation), a price that would be competitive in today's power markets. At that time, an inability to look beyond short-term conditions precluded obtaining project financing.

This and other experiences with emerging technologies convinced Mr. Sterzinger that renewable energy development must rely upon more than strong research and technology development. To realize clean energy's full potential, technology development must be closely linked to, and enabled by, education, outreach, policy analysis and hands-on project development advocacy.



## **Scott Storment**

Senior Officer, Project Development—New Sectors  
NADBank

[www.nadbank.org](http://www.nadbank.org)

Mr. Storment graduated from Texas A&M University in 1989 with a B.A. in History and Spanish, and in 1995 graduated with a Master in Community and Regional Planning from the University of New Mexico. He joined the North American Development Bank (NADB) in 2001 to help develop projects in the new sectors of waste reduction/recycling, air quality, clean and efficient energy, and pollution prevention with industry.

In his current role at NADB, he is in charge of developing projects in the clean and efficient energy sectors. He serves as project manager on four wind, two biomass, and two solar energy projects in the border region. Additionally, he manages several landfill gas-to-energy and energy efficiency projects with the Mexican public and private sectors.

He has worked extensively on U.S.-Mexico border community development and environmental infrastructure projects since 1993. He worked for the New Mexico Environmental Finance Center (1993-95), Texas Department of Housing and Community Affairs (1995-96), Texas Natural Resource Conservation Commission (1996-99), and in the Administration of Governor George W. Bush (1999-2001). He served as Director of Colonia Initiatives for Governor Bush and as a policy expert for the State of Texas on water/wastewater development in the Texas-Mexico border before coming to NADB.



## **Martin Tampier**

Consultant  
Clean Air Renewable Energy Coalition

[www.cleanairrenewableenergycoalition.com](http://www.cleanairrenewableenergycoalition.com)

Martin Tampier has founded Environmental Intelligence, a BC-based environmental engineering and policy consultancy. He is a consultant to the Clean Air Renewable Energy Coalition, which is an organisation with the aim to promote low-impact renewable electricity generation in Canada. Martin has been active in the renewable energy sector for several years, and has authored numerous report and articles on the subject. He is also working in the emissions trading market in North America. Among others, he authored Pollution Probe's Green Power Workshop Series Report, and developed forecasts on low-impact renewable energy deployment in Canada for the Clean Air Renewable Energy Coalition.



## **Scott Vaughan**

Director of Unit for Sustainable Development and Environment  
Organization of American States

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Thomas Scott Vaughan is Director of the Office for Sustainable Development and Environment. Prior to joining the OAS General Secretariat in October 2003, he has been a Visiting Scholar at the Carnegie Endowment for International Peace in Washington, DC; Head of Trade and Economics at the North American Commission for Environmental Cooperation in Montreal, Canada; Counselor at the World Trade Organization in Geneva, Switzerland; founder and Coordinator of environment, trade and finance division, as well as Senior Policy Analyst to the Executive Director, at the United Nations Environment Program in Geneva, New York and Nairobi; Analyst, Economic and Corporate Affairs, Head Office, Royal Bank Financial Group in Montreal, and Policy Advisor and Legislative Assistant to the former Canadian federal Minister of the Environment in Ottawa.