



Speakers session 3: The Potential for Wind Energy in Barbados

- **Moderator: Mr. Joseph Williams, Coordinator, Renewable Energy/Energy Efficiency, Caribbean Development Bank (CDB)**

Joseph Williams is Coordinator, Renewable Energy/Energy Efficiency, at the Caribbean Development Bank (CDB). He joined the Bank in March 2014, has played a lead role in the development and implementation of the Bank's Energy Sector Policy and Strategy, in the capacities of Consultant, Sustainable Energy Advisor, Programme Manager, and Coordinator.

Mr. Williams has over 27 years of experience in the energy sector: Prior to CDB, he was the Manager of the Regional Energy Programme at the CARICOM Secretariat, where inter alia, he led the efforts to establish the CARICOM Energy Policy and to develop a regional strategic framework for implementation of renewable energy (RE) and energy efficiency (EE). He also worked as an energy management consultant in the Caribbean, and at the Jamaica Public Service Company Ltd (the national electric utility in Jamaica), where, inter alia, he was responsible for RE and EE matters.

Mr. Williams holds: MBA (finance and sustainability); MSc in Engineering Management with emphasis on energy policy and planning, BSc in Mechanical Engineering. He is also a Certified Energy Manager.

- **Mr. Bryan Haynes, Chief Project Analyst, Ministry of Energy, Small Business and Entrepreneurship**

Mr. Haynes holds a BSc. in Economics and Management from the UWI Cave Hill campus and an MBA with specialization in Finance from the Heriot-Watt University in Edinburgh, Scotland.

Mr. Haynes has worked in the Barbados Public Service since 1998. During the last twenty-three (23) years, he has worked in the field of planning and research, spanning the sectors of Agriculture, Industry, Health, and Energy. Mr. Haynes has assisted in major programmes such as the implementation and sensitization of Barbados' WTO rights and obligations for Barbados' agricultural and manufacturing sectors. He also assisted with preliminary work to computerize the health information system, as well as the development of a concessionary fund for the manufacturing sector in Barbados.

Mr. Haynes joined the Division of Energy in the Ministry of Energy Small Business and Entrepreneurship in December of 2006, where he was given the responsibility to develop the Research and Planning Unit of the Energy Division. Mr. Haynes was part of the original team which launched the Offshore Oil and Gas Sector for Barbados in 2007 with Road Shows in Barbados, Houston and London. He has worked tirelessly with many stakeholders during 2017 to 2019 to formulate and draft the Barbados National Energy Policy. As a Civil Servant who is committed to Barbados' economic and social development, he is part of a team

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that works to transform Barbados from a fossil fuel economy to one powered by renewable energy. Mr. Haynes' motto for life is: "He who does not change his mind, changes nothing."

- **Mr. Daniel Pardo, Project Manager, DNV Energy Systems Canada Inc. Onshore Wind Consultant**

In his current position at DNV as a principal project manager in the Owner's Engineering team, Mr. Pardo provides technical advice on solar PV, wind and battery energy storage solutions to utilities, owners and developers mainly across North America and the Caribbean. Mr. Pardo advises on topics such as site-specific technology selection, repowering of wind projects, equipment supply RFPs, negotiation of supply, installation and O&M agreements, technical specifications, and a wide variety of feasibility assessments. Mr. Pardo leads the wind and solar decommissioning services for DNV in North America with a history of over 9 GW of studies done in recent years including papers and presentations at AWEA, CanWEA and SPI. In his previous position at DNV, Mr. Pardo lead the Mexico renewables team advising lenders and banks as well as owners and investors. Prior to working as a consultant, Mr. Pardo worked 6 years in the project development department of a leading European utility with headquarters in Madrid, supporting the development of wind projects in Europe, Africa, Asia and Latin America.

Other professional and personal interests on which I'm working include electric vehicles, recycling of wind turbine blades, recycling of PV modules, and floating PV.

- **Dr. Ned Minns, Research and Development Manager, ITP Energised, Ocean Energy Consultant**

Dr. Ned Minns has 25 years' experience working in various industries spanning telecoms, national UK police radio, academia and renewable energy. He has spent the last 16 years working with marine renewables covering many aspects of the product lifecycle including technical R&D for wave and tidal machines, site screening for numerous renewable technologies, corporate advisory services and project development.

Ned led the Ocean Energy Consultancy project commissioned by the Government of Barbados under the Public Sector Smart Energy Program (PSSEP) and funded by the Inter-American Development Bank. The project investigated fixed and floating wind, OTEC and wave technologies to assess the viability of these technologies in Barbados, and to define the benefits of a number of shortlisted projects.

- **Prof. Dr. Olav Hohmeyer, Founder and Director, Global Sustainable Energy Consultants Ltd.**

Prof. Dr. Olav Hohmeyer is Senior Professor for Energy and Resource Economics at the Europa-Universität Flensburg, Germany. He is the founder and director of Global Sustainable Energy Consultants Ltd., Barbados and is a co-founder and managing partner of SCS Hohmeyer Partner GmbH, an energy and climate consultancy operating out of Flensburg, Germany.

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He earned his PhD at the University of Bremen in 1989 on the Social Costs of Energy. In 1980 he graduated in economics from the University of Bremen with his thesis on the employment effects of different energy technologies after studying economics and computer science at Tougaloo College (Mississippi) from 1974-1975 and economics at the University of Bremen (1975-1980).

The professor has been a Lead Author of a number of reports of the Intergovernmental Panel on Climate Change (IPCC) between 1998 and 2011; serving as Vice Chair of Working Group III of the IPCC from 2002 to 2008. In his function as Vice Chair he was the coordinator of the scoping process for the IPCC Special Report on Renewable Energy, which was published in 2011. In 2007, during his term of office, the IPCC was awarded the Nobel Peace Prize.

Prof. Hohmeyer taught part time at the University of the West Indies, Cave Hill, Barbados from 2013 to 2016 and was a member of a consulting group to the Governor of the Central Bank of Barbados concerned with the energy future of Barbados.

His main research focus is on sustainable energy systems based 100% on renewable energy sources and the development of local, regional and national climate change mitigation strategies with the aim of full climate neutrality of human activities.

- **Dr. Leo Brewster, Director, Coastal Zone Management Unit, Ministry of Maritime Affairs and Blue Economy**

Dr. Leo Brewster is the Director of the Coastal Zone Management Unit (CZMU), Ministry of Maritime Affairs and the Blue Economy. He possesses a Ph.D. in Integrated Coastal Zone Management from Cardiff University, Wales, U.K. With over 30 years of experience he is very familiar with the development of management strategies and strategic planning for Integrated Coastal Zone Management.

Dr. Brewster has represented Barbados in several international forums in the areas of coastal management, marine resources management, coastal vulnerability assessment and climate change. He has a keen interest in the advancement of coastal, marine and ocean science in Barbados. He was recently elected (2021), Vice Chair of the IOC - UNESCO Intergovernmental Oceanographic Commission - Sub-Commission for the Caribbean and Adjacent Regions (IOC-IOCARIBE).