



Oil & Gas Subcommittee Webinar:
Improved Collection and Verification of Methane Emissions Data for Effective Mitigation
Webinar Speakers

Mr. Mark Taylor

Principal Taylor Energy Advisors



Mr. Mark Taylor has more than 35 years of experience in the upstream oil and gas industry, the regulatory space and government policy development. Prior to forming Taylor Energy Advisors, Mr. Taylor was the Executive Vice President of the Operations Division at the Alberta Energy Regulator (AER). Prior to this, Mr. Taylor was senior vice president of Climate Policy Assurance at the AER and also had roles as the vice president of the Closure & Liability Branch and the vice president of the Industry Operations Branch. In these roles he led collaboration with regulators across Canada and around the world in developing methane regulations, enabling creation of the Area Based Closure Program and implementation of the One Stop platform. Mr. Taylor graduated from the University of Saskatchewan in Mechanical Engineering.

Ms. Dora Luz Llanes

General Directorate of Comprehensive Operation Management, Agencia de Seguridad, Energía y Ambiente (ASEA)



Ms. Dora Luz Llanes is currently in charge of the General Directorate of Comprehensive Operation Management in which the Third Parties of the methane regulation will be authorized and is part of the methane team within ASEA. She also served in different positions in the Mexican congress and in the public administration, specifically on environment and energy issues. At ASEA, she is in charge of the regulatory management area, where she coordinated the development of the general administrative provisions for the prevention and comprehensive control of methane emissions from the hydrocarbon sector. Ms. Llanes has a BA degree in International Relations from the Ibero-American University and a master's degree in Environment, Science and Society from the University of Essex, England.

Ms. Robyn Wille

Chief Strategy Officer, Air Pollution Control Division, Colorado Department of Public Health and Environment.



Ms. Robyn Wille is the Chief Strategy Officer of the Air Pollution Control Division, Colorado Department of Public Health and Environment. Prior to that, Ms. Wille served as the Senior Assistant Attorney General at the Colorado Department of Law, representing the Air Division. Colorado adopted a new oil and gas emissions inventory program in 2019, collecting a significant amount of data from the industry in order to track the industry's greenhouse gas emissions. Colorado's Air Division is currently working on the development of a greenhouse gas reduction program for the oil and gas sector.

Dr. Alberto Alva-Argaez

Principal, Process Ecology



Dr. Alberto Alva-Argaez brings over 25 years of experience in chemical engineering research and process optimization for sustainability. As Principal and founding director, Dr. Alva-Argaez has worked across multiple industries to assist operating companies become more efficient in their use of energy and water. He started his career as a production engineer with Bayer and then spent 10 years in Academia as research scientist and lecturer. In 1999 he started working for Hyprotech/Aspentech in Calgary as product manager for conceptual design and thermodynamics software tools. Dr. Alva-Argaez later worked for seven years with Natural Resources Canada performing R&D supporting energy-intensive industrial sectors through process integration and process optimization projects. With Process Ecology, he has specialized in modeling and optimization for emissions reduction in the oil & gas sector. Dr. Alva-Argaez is a Biochemical Engineer and graduated from Metropolitan University in Mexico City and holds an MBA as well as MSc and PhD degrees in Chemical Engineering from the University of Manchester, UK.

Mr. Darcy Spady

Managing Partner, Carbon Connect International



Mr. Darcy W. Spady, P.Eng, is the Managing Partner of Carbon Connect International. He is also currently Chair of the Board of Green Imaging Technologies (MRI core analysis) and MNP Petroleum. He is Global Advisor for General Magnetic, Paris-based SpotLight Earth (Seismic acquisition) and EnAct (energy poverty awareness). Mr. Spady presently serves as the Industry Chair for the Remediation & Reclamation program at Olds College in Alberta, Canada and is an active grain farmer north of Calgary (Carstairs). He served as the 2018 SPE (Society of Petroleum Engineers) President. He has a B.Sc. in Petroleum Engineering from the

University of Alberta.

Ms. Brenna Barlow

President, Ruby Canyon Environmental



Ms. Brenna Barlow is an experienced industry consultant known for developing out-of-the-box strategies for field measurements, technology, and deployment in the methane emissions space. Her detailed knowledge of the barriers to field implementation for innovative technologies is grounded in the academic research programs she has worked with and the deployment of technology for new quantification protocols. Ms. Barlow's time working across a variety of clients, industries, and organizations conducting environmental assessments, working in the field on reclamation and remediation projects, and strategizing emissions reductions results in a comprehensive understanding of the regulatory and environmental compliance needs that is a rare find. She has worked in the oil and gas industry for 13 years but now also conducts work with regulation and quantification protocols in various jurisdictions and industries, from clean power to forestry.