

Oil & Gas Subcommittee
23 September 2020
Webinar Meeting

SUMMARY

The Global Methane Initiative (GMI) Oil & Gas Subcommittee held a webinar meeting, “Methane Emissions Mitigation – Technology and Innovation” on 23 September 2020. The webinar was co-chaired by Mr. James Diamond of Environment and Climate Change Canada (ECCC). The purpose of the webinar was to (1) share and discuss current and emerging methane mitigation technologies, and (2) provide GMI Secretariat and Subcommittee news. There were approximately 94 participants in the webinar representing a range of countries and organizations. A list of participants is provided in Annex I.

The webinar presentation and recording is available on the [GMI website](#).

Introductions and Welcoming Remarks

The GMI Oil & Gas Subcommittee Co-Chair, Mr. James Diamond, Environment and Climate Change Canada (Canada) provided welcoming remarks and reviewed the agenda for the meeting. He introduced the webinar moderator, Mr. Jackson Hegland, Executive Director of the Methane Emissions Leadership Alliance (MELA).

Setting the State: MELA

Mr. Hegland presented an introduction to MELA and discussed converging factors and strategic considerations that impact the organization. He gave a brief overview of the technologies that provide opportunities for methane mitigation and highlighted MELA member organizations.

Technical Presentation: Calscan Solutions

Mr. Henri Tessier, Managing Partner, Calscan Solutions, presented information on the various technologies that Calscan Solutions has developed to support methane mitigation efforts. He drew attention to the zero emissions separator, compressor seal vents, and pneumatic devices. Mr. Tessier then discussed the benefits of replacing existing pneumatics devices with zero venting low power electric controls, like Calscan’s Bear electric controls. He finished his presentation by providing information about Calscan’s development of fuel cells under a research and development grant with Emissions Reductions Alberta (ERA) and Sustainable Development Technology Canada.

Technical Presentation: Clear Rush Co.

Mr. Dallas Rosevear, Chief Business Development Officer, Clear Rush Co. provided an overview of the goals and activities of Clear Rush Co. He focused on several Clear Rush technologies, including closed vapor combustors and multiple pre-assembled rush burner packages. He concluded his presentation with details about the anticipated methane emissions reductions as well as benefits beyond methane reduction.

Facilitated Discussion

Mr. Hegland opened the floor for discussion with a question by Mr. Diamond, who inquired about the return on investment for technologies. Mr. Hegland responded by providing an overview of the carbon market and offset credit system in Canada. Mr. Rosevear emphasized the push from the Alberta government to encourage creation offset system.

A participant asked Mr. Rosevear if Electric Valve Controllers (EVCs) are appropriate for offshore oil platform

use. Mr. Rosevear confirmed that EVCs are safe to use in a reduced spacing scenario, and stressed the importance of knowing the pressure, volume, and temperature of the gas.

Mr. Hegland then asked both speakers to comment on the challenges of implementing technologies in certain regions. Mr. Tessier explained difficulties in installation, emphasizing the importance of creating technologies that are easy to install. He also explained the importance of having a broad range of technologies that can be used in a variety of locations. Mr. Rosevear added that safety standards, particularly the new policies in Canada, has been a challenging element for the design of mitigation technologies.

Presentation: GMI Oil & Gas Subcommittee News and Updates

Mr. Diamond announced that the upcoming Subcommittee meeting will be a virtual meeting focused on Oil & Gas Subcommittee business items, including a working session to examine and update the Oil & Gas Action Plan. He also reported that the Global Methane Challenge is ongoing and encouraged participants to submit their methane mitigation stories.

Wrap Up

Mr. Diamond emphasized that the Oil & Gas Subcommittee welcomes feedback and topic suggestions for future webinars. He thanked the presenters and webinar participants. He confirmed that the recording and presentation slides would soon be available on the GMI website.

ANNEX I

Participants

Abiodun Abdurrahman, Department of Petroleum Resources
Melissa Allin, Baker Hughes
Sam Aminfard, ExxonMobil
Dave Anderson, Score Diagnostics Limited
Jairo Yesid Castillo, WSP – ConCol
Nadia Aurisch, MCC Environmental
Rodrigo Suzart Alca Barbosa, OGI
Brianna Besch, EPA
Mark Boling, 2C Energy, LLC
Younus Burhan, Tetra Tech
Felipe Cardoso, University of Texas
Bruce Chisholm, PPI Inc
James Diamond, ECCC
Neil D'Souza, Global Power Technologies
Jane Durling, Environment Agency – England
Bryan Ellis
Joseph Essandoh-Yeddu, Energy Commission
Celina Evbuomwan, Department of Petroleum Resources
Tania Fernandez
Jamie Figler, Tetra Tech
Richelle Foster, Canadian Natural Resources Ltd
Steve Froehler, LCO Technologies
Sylvain Gatti, TELOPS
Stephane Germain, GHGSat Inc.
Rob Graham, Global Power Technologies
Matt Harrison, SLR International
Jackson Hegland, Methane Emissions Leadership Alliance
Benjamin Hellmig, EagleBurgmann
Martha Herrera, Ecopetrol
April Hillier, ICF
Ibrahim Muhammad, Department of Petroleum Resources
Rolando Jeria, Sediment Research & Minerals Ltd (SRML)
Jonas Johannisson, Ulm University
Coryn Johnson, Bridger Photonics, Inc.
Olatokunbo Karimu, Department of Petroleum Resources
Chelsea Kealey, ECCC
Wouter Koopman, Shell
Kevin Kropf, The Sniffers
Robert Krumm, Baker Hughes
Sonja Kuhlman, EagleBurgmann
David LaGreca, Ruby Canyon Environmental
Alan Lau, Anglo Euro Energi Indonesia
Patrick Lau, EPA
Wade Leach, SeekOps Inc.
Marc Leadstone, Airbus
Katlyn MacKay, St. Francis Xavier University
Laetitia Mahenc, Teréga
Trent Mastel, Rife Resources
Cathy McGirl, Tetra Tech
Mike McMahan, EcoVapor

Tania Meixus, Enagás
Sarah Menassian, EPA
Denise Mulholland, EPA
Santiago Martinez Ochoa, Ecopetrol
Gordon Olson, Capstone Turbine Corp
Connor O'Shea, Westgen Technologies Inc.
Elga Patricia Pabon, Ecopetrol
Rosalia Perez
Dominic Pituch, Qnergy
Anthony Pocengal
Drew Pomerantz
Cynthia Randles, ExxonMobil
Tristan Rees-White, University of Southampton
Alejandro Restrepo, Ecopetrol
Dallas Rosevear, Clear Rush
Volha Roshchanka, EPA
Mark Savage, John Crane
Ulrike Scheer, ExxonMobil
Edward Schmults, Southwest Gas Corporation
Paulina Serrano, Pemex
Monica Shimamura, EPA
Henri Tessier, Calscan Solutions
Vincent Thomas, TESCOP
Javier Torres, Repsol
Maria A. Torres, ConocoPhillips
Sam Tremaine, Tetra Tech
Jasmine Urisk, Canadian Energy Partnership for Environmental Innovation--Canadian Gas Association
Gerd Van De Merlen, DEME NV
Brian Van Vliet, Spartan Controls
Rosalia Vázquez, Repsol
Anne-Maria Yritys, Yritys Executive Services

Additional Participants Identified by Phone Number, First Name, or Email Address

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