

Tuesday, February 7

11:00 a.m.	5:00 p.m.	Registration opens	Five Moons Prefunction Area
11:30 a.m.	12:30 p.m.	TCECP Planning Committee meeting	Paseo
1:00 p.m.	4:00 p.m.	Taps & Tacos Networking Event at Anthem Brewery	
5:30 p.m.	7:30 p.m.	Welcome Networking Reception with Dinner	Five Moons Ballroom 4-5

Wednesday, February 8

7:00 a.m.	8:00 a.m.	Breakfast	Five Moons Prefunction Area
7:00 a.m.	5:00 p.m.	Registration Desk and Badge Pick-up	Five Moons Prefunction Area
8:00 a.m.	8:15 a.m.	Welcome and Opening Remarks	Five Moons Ballroom 4-5
8:15 a.m.	9:15 a.m.	Keynote Address: Perspectives on ESG: Equity Jill Cooper, Director of ESG – Orion Resource Partners	
<i>Ms. Cooper will share her thoughts and ideas on where the private equity industry is at with environment, social and governance (ESG) risks and opportunities. She will include ideas on how companies can effectively communicate with private equity firms during pre-investment diligence and monitoring and engagement. We will work to narrow in on the most important trends and concepts for companies to focus on.</i>			
9:15 a.m.	10:15 a.m.	General Session: Environmental Justice – Engagement	
10:15 a.m.	10:30 a.m.	Networking and Refreshment Break	Five Moons Prefunction Area

10:30 a.m.	11:30 a.m.	Session 1	Automobile Alley 1-3
Track A Environmental Permitting		Track B Construction	Track C Air Quality Permitting & Compliance

<p><u>USACE Permit/Action Areas</u></p> <p>-Brent Simmons (Audobon Solutions)</p> <p><i>Discussion of Commonly utilized USACE Nationwide Permits (NWP), Pre-construction Notification (PCN) triggers and “Action Areas</i></p>	<p><u>Environmental Inspection Guidance</u></p> <p>-Dana Overcash, Natural Resources PM (SWCA Environmental Consultants) -Jackie Padgett (Accent Compliance)</p> <p><i>With an ever-changing atmosphere and public perception of the natural gas industry, compliance during construction is under more scrutiny. Dana and Jackie will help lead an interactive discussion about Environmental Inspection, with specific focus on large FERC projects that utilize 3rd party compliance. Topics will include:</i></p> <ul style="list-style-type: none"> • <i>El best management practices – A brief overview of key takeaways from the FERC & INGAA Guidance</i> • <i>Communication– Steps to take to become trusted advisors</i> • <i>Eliminating Gray Areas – Standards vs. Suggestions</i> • <i>Effective Decision Making and Collaboration</i> 	<p><u>Measuring, Verifying and Communicating - GHG Management from Compliance to Performance</u></p> <p>-Anker Kadakia (Iconic Air)</p> <p><i>How digital solutions and low-carbon certifications are not only strengthening Enstor's ability to comply with current and future regulations but providing insights, transparency and verification to improve operational performance.</i></p>
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11:30 a.m. 12:45 p.m. Networking Lunch

Five Moons Ballroom 1-3

12:45 p.m. 1:45 p.m. Session 2

Automobile Alley 1-3

<p>Track A Environmental Permitting</p>	<p>Track B Construction</p>	<p>Track C Air Quality Permitting & Compliance</p>
<p><u>Monarchs CCAA 1st Year Implementation – A Pipeline Perspective</u></p> <p>-Michelle Brown (NNG) -Leslie TeWinkel (Merjent)</p> <p><i>Northern Natural Gas (NNG) submitted application materials to become a Partner in the Monarch CCAA in May 2020 and received their Certificate of Inclusion in March 2021. NNG’s objective in enrolling was to obtain incidental coverage for the monarch after it was federally protected, and to contribute to the conservation of the monarch before it was listed. This presentation will relay NNG’s experience with the Monarch CCAA including a summary of lessons learned</i></p>	<p><u>Usage of Drones for Pre/Active/Post Construction Monitoring</u></p> <p>-Jeremiah Walker (BODEN)</p> <p><i>Multi-discipline efficiencies gained through integrated UAS technologies</i></p>	<p><u>Carbon Credits: Working Towards Carbon Neutrality</u></p> <p>-Janet Peace, Head of Advisory Services (Anew - Element Markets)</p> <p><i>This session will update attendees on the current state of the voluntary carbon market, emphasizing best practices for making claims about your use of carbon credits and the various frameworks governing such claims, such as SBTi, VCMI, etc.</i></p>

<i>thus far throughout the company's two years of implementation.</i>		
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1:45 p.m. 2:00 p.m. Refreshment & Networking Break Five Moons Ballroom 1-3

2:00 p.m. 3:00p.m. Session 3 Automobile Alley 1-3

Track A Environmental Permitting	Track B Construction	Track C Air Quality Permitting & Compliance
<p><u>Tribal Outreach & Coordination</u></p> <p>-Sheila Bird, Owner (Kituwah Nighthawk, LLC)</p> <p>Description: Coming Soon!</p>	<p><u>Dark Skies - Light Pollution/Noise Impacts</u></p> <p>-Michael Taylor, Manager of Permitting & Compliance (Sempra Infrastructure) -Matt Cott, Noise Specialist (Behrens & Assoc - Environmental Noise Cntrl) -Scott Walters, Senior Visual Designer (HDR Engineering) -Steve Rowe, Senior Project Manager (HDR Engineering)</p> <p><i>FERC has requested that operators provide information related to potential impacts from both noise and light pollution from natural gas facilities. Regarding noise impacts, operators have been requested to estimate the impacts from both the construction and operation of these facilities. This presentation will describe estimated noise impacts and successful mitigation techniques to reduce noise to achieve compliance with FERC and/or municipal noise ordinance requirements. This presentation will also detail how visual renderings can illustrate what proposed may look like post-construction. The Senior Visual Designer will discuss the process used to produce simulations to illustrate the proposed facilities for public involvement meetings to facilitate coordination with stakeholders.</i></p>	<p><u>Air Quality Permitting & Compliance Update Part I</u></p> <p>-Thomas Sullivan (POWER Engineers) -Charlie Barker (WSP)</p> <p><i>The air emissions rules are changing fast and we will be discussing a range of recently proposed regulatory changes with the potential to impact Oil and Gas operations. The robust list of topics include OOOOb/c updates, PM2.5 and NOx NAAQS, West Virginia Supreme Court decision, GHG mandatory reporting rule and SEC Implications, Inflation Reduction Act, and the Cross-State Air Pollution Rule – Good Neighbor Plan.</i></p>

3:00p.m. 3:15 p.m. Networking and refreshment break Five Moons Ballroom 1-3

3:15 p.m. 4:15p.m. Session 4 Automobile Alley 1-3

Track A Environmental Permitting	Track B Construction	Track C Air Quality Permitting & Compliance
<p><u>Moving Goal Posts - Responding to EPA Questions that Arise During Scoping</u></p> <p>-Michael Taylor, Manager of Permitting & Compliance (Sempra Infrastructure) -Cathy Storey, Project Manager (HDR Engineering) -Adam Constantin, GIS Specialist (HDR Engineering)</p> <p><i>This talk will cover FERC's evolving requests for project impacts on environmental justice communities based on scoping comments from the EPA, tribes, and others - including changing search radii and evolving descriptions of the communities and population characteristics including different population groups (e.g., linguistically isolated populations) and identifying sensitive receptors in EJ communities.</i></p>	<p><u>Threatened & Endangered Species Permitting</u></p> <p>-Rob Jones (Merjent) -Andrea Sampson (Merjent)</p> <p><i>Endangered Species Act (ESA) Section 7 compliance is a given for pipeline operations and maintenance projects with a federal nexus, but what about those projects that don't have a federal trigger? As rights of way are being managed in new ways for their ability to provide habitat and connectivity for a growing number of protected species, ESA compliance under both Sections 7 and 9 requires a thorough evaluation of these resources when planning pipeline maintenance activities. The session will also provide updates on the listing status of several species, including the northern long-eared bat and monarch butterfly, among others.</i></p>	<p><u>Air Quality Permitting & Compliance Update Part II</u></p> <p>-Thomas Sullivan (POWER Engineers) -Charlie Barker (WSP)</p> <p><i>The air emissions rules are changing fast, and we will be discussing a range of recently proposed regulatory changes with the potential to impact Oil and Gas operations. The robust list of topics includes OOOOb/c updates, PM2.5 and NOx NAAQS, West Virginia Supreme Court decision, GHG mandatory reporting rule and SEC Implications, Inflation Reduction Act, and the Cross-State Air Pollution Rule – Good Neighbor Plan.</i></p>

4:15 p.m. – 5:00 p.m. **Environmental Permitting Breakout Session** Automobile Alley 1-3
Environmental Justice Roundtable - What Does the Future Look Like?

Construction Breakout Session
Subsurface Utility Evaluation
Page Tucker (ProStar)

Air Quality Permitting & Compliance Breakout Session
Air Quality Compliance Round Table

5:00 p.m. – 6:00 p.m. **Networking Reception** **Five Moons Pre-Function**

6:00 p.m. **Attendee dinner on their own**

Thursday, February 9

7:30 a.m. 5:00 p.m. **Registration/Help Desk open**

7:30 a.m. 8:30 a.m. Breakfast Five Moons Ballroom 1-3

8:30 a.m. 9:30 a.m. **General Session - FERC General Update** Five Moons Ballroom 4-5
Dave Swearingen (FERC)

This update will provide an overview of organizational changes within the Division of Gas – Environment and Engineering and report on FERC’s current and historical workload. Additionally, the update will highlight changes in the FERC process, recent agency guidance (e.g., Council on Environmental Quality), and current issues/trends in the review and construction phases of natural gas projects.

9:30 a.m. 10:30 a.m. **General Session - Green Infrastructure: Hydrogen, RNG, etc.**
Brian Petermann (POWER Engineers), John Wilson (Entrust), Tim Harris (Entrust), John Heer (CenterPoint Energy)

Our nation is quickly moving toward renewable energy as a key element of our decarbonization plan. But the implementation of green energy requires extensive, not-yet-built infrastructure for feedstock and its delivery, production of energy, intermediate storage, and transportation of the energy to market. This panel session will provide discussion of how key green energy stakeholders view the future issues and development potential of this infrastructure. Stakeholders will include gas industry owners, developers, equipment vendors, and environmental permitters, and will allow a Q&A period from the audience.

10:30 a.m. 10:45 a.m. Refreshment break Five Moons Pre-Function

10:45 a.m. 11:45 a.m. Session 5 Automobile Alley 1-3

Track A Environmental Permitting	Track B Construction	Track C Air Quality Permitting & Compliance
<p><u>Workspace Development</u></p> <p>-Abby Peyton (Perennial) -Leslie Yoo (Perennial)</p> <p><i>This presentation will provide an overview of standard environmental and cultural resources considerations in workspace development for both FERC-regulated and non-regulated projects. This talk will also cover considerations that may be overlooked during preliminary project design and commonly requested through a construction variance process. In addition, the presenters will discuss schedule considerations for workspace development during the project planning phases.</i></p>	<p><u>Horizontal Directional Drilling Issues - New Issues</u></p> <p>-Reilly Schoo, Trenchless Services Engineering Lead (HDR Engineering)</p> <p><i>An overview of current issues related to Horizontal Directional Drilling (HDD). The talk will cover a variety of issues including the latest on state and federal permitting trends, increasing land disposal restrictions for spent drilling fluids, and issues associated with cross bores. It will also include a segment on the upfront planning and permitting process to identify the risks, including poor quality as-built locations.</i></p>	<p><u>Impacts of Hydrogen Blending on Combustion Emissions</u></p> <p>-Gregory Blandford, Manager, Land, Environmental, ESG (Southern Star Central Gas Pipeline) -Hans Matthews, VP Engineering (Cooper Machinery Services)</p> <p><i>This presentation will go over set up and design, safety concerns, challenges, results, and the opportunities and limitations of the first field test of a natural gas reciprocating compressor under hydrogen-natural gas blend.</i></p>

11:45a.m. 1:00 p.m. Networking Lunch Five Moons Ballroom 1-3

1:00 p.m. 2:00 p.m. Session 6 Automobile Alley 1-3

Track A Environmental Permitting	Track B Construction	Track C Air Quality Permitting & Compliance
<p><u>Development of a Hybrid Method for Estimating Tree Counts Along a Right-a-Way: Lidar Data Combined With Forest Type Stocking Ratios</u></p> <p>-Dan Tersteeg (Verdanterra) -Andy Selk (Verdanterra), -Leslie TeWinkel (Merjent) -Christa Webb (NNG)</p> <p><i>In response to a mitigation requirement to replace trees along a right-of-way in Minnesota, we explored available methods and datasets that would most accurately and justifiably estimate tree counts by tract. This presentation addresses the task posed, initial efforts, solutions and results of this initiative.</i></p>	<p><u>Pipeline Replacement & Upgrades in Congested Corridors</u></p> <p>-Matthew Gramza (Civil & Environmental Consultants)</p> <p><i>This presentation will highlight several successful pipeline replacement, upgrades, and stream crossing exposure repairs in congested corridors, combining traditional solutions with natural channel/bioengineering design techniques. Each congested pipeline corridor is unique and warrants the linking of pipeline infrastructure protection, efficient usage of limited workspace and safety, with replacement, upgrade, or rehabilitation goals for functional improvement for the pipeline and for the corridor. The discussion will include pre-project constraints and post-project lessons learned.</i></p>	<p><u>Methane Certification</u></p> <p>-Michael Rabbani (MiQ Methane Intelligence) -Sharon Patterson (MiQ Methane Intelligence)</p> <p><i>Natural gas certification is one of the fastest-moving voluntary initiatives in the oil and gas industry. This presentation will give an overview of the MiQ certification program and cover the technical details of the MiQ Standards. Operators in the production segment through the transmission & storage and LNG segments of the supply chain will learn what the requirements are for their Facilities to pursue certification, including third party audit requirements and operational, monitoring and emissions accounting requirements.</i></p>

2:00 p.m. 2:15 p.m. Networking break Five Moons Pre-Function Area

2:15 p.m. 3:15 p.m. Session 7 Automobile Alley 1-3

Track A Environmental Permitting	Track B Construction	Track C Air Quality Permitting & Compliance
<p><u>Layman’s Guide to Environmental Regulations in the Natural Gas Industry Update</u></p> <p>-Randall Flower (Audubon) -Alisa Lykens (Insignia)</p> <p><i>The SGA Laymen’s Guide has been updated and will be available for purchase at the conference. This presentation will provide a preview to the book and explain the updates since the last printing.</i></p>	<p><u>Handling Waste Generation</u></p> <p>-Alan Luwe (Milestone Environmental Services, LLC)</p> <p><i>This presentation will provide a perspective on the communication processes, roles and responsibilities associated with the handling of waste generation in construction efforts.</i></p>	<p><u>PHMSA Gas MEGA Rules & Methane Rule</u></p> <p>-Briana Ferguson (IEE Solutions) -Andrew Hinz (Stratus Technologies)</p> <p><i>Learn about the new PHMSA MEGA and Methane Rules and the opportunities and challenges surrounding them with a holistic approach to achieve compliance. Speakers will provide examples of solutions via technologies/case</i></p>

		<p><i>studies to aid digital transformations to become more efficient, greener, and safer per EH&S and sustainability goals.</i></p>
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3:15 p.m.	3:30 p.m.	Networking and refreshment break	Automobile Alley 1-3
3:30 p.m.	4:30 p.m.	<p>General Session: ESG Pluses and Deltas Amy Mifflin & Brian Hattori (Geosyntec Consultants)</p> <p><i>Geosyntec will focus on the implementation of Environmental Social and Governance (ESG) performance through the right mix of strategy, execution and reporting to tell your company’s unique story.</i></p>	Five Moons Ballroom 4-5
4:30 p.m.	5:15 p.m.	<p>Environmental Permitting Breakout Session Project Preparation Round Table</p> <p>Construction Breakout Session Employee Recruitment/Retention</p> <p>Air Quality Permitting & Compliance Breakout Session Green Infrastructure & Hydrogen Roundtable</p>	Automobile Alley 1-3
5:15 p.m.	6:30 p.m.	Closing Reception	