Session Name	Speakers	Description
15 Year Plan -- MAOP Reconfirmation Data Analysis	Jessica Sheldon - Business Area Lead - Asset Knowledge - GTS Engineering & Consulting	Asset and system knowledge in particular, understanding the information on a system and having the foundational activities set up to manage that information -- is critical to the overall success of the MAOP Reconfirmation Programs. This presentation will include methods to statistically support a MAOP Program through the creation of a solid 15-year plan, identifying issues, prioritizing work and utilization of data in future decision-making processes.
A Decade with ATCO: A Case Study of Bimodal MDPE/HDPE Gas Pipe Applications	Jennifer Pethick - Senior Engineer, Materials Engineering - ATCO	ATCO has safely constructed and operated more than 3,700 km of bimodal MDPE and HDPE distribution gas pipelines since 2007. This presentation will highlight the material properties of bimodal PE pipe and ATCO's key learnings in switching from unimodal to bimodal PE pipe installation. Coauthor: D. Doyle - The Dow Chemical Co.
A GIS Approach to Managing MAOP Reconfirmation Projects for Transmission Pipelines	Edward So - Manager, GIS & Asset Data and Laura Wiesyk - Manager, Integrity Verification - Southern Company Gas	Southern Company Gas has developed a MAOP Confirmation Action Plan (MCAP) to address issues that have been found during the initial research phase. As more data accumulated, a dynamic solution was needed. This presentation describes the development of an integrated GIS approach to managing the MCAP program.
A Safety Program that Has Taken our Safety Performance and Company Culture to New Heights	Dale Lesinski - DiVal Safety; Mike Anderson - National Fuel	This presentation shares a journey filled with organizational successes: Culture has improved, injury rates are down nearly 30%, senior executive participation is stronger than ever, employee engagement is at an all-time high and the core principles of the safety message have permeated the entire organization with respect to personal, pipeline and public safety.
Advanced Leak Survey Technology	Vincent Gaeto - Picarro; Blair Bishop - ATCO Natural Gas	Representatives from ATCO and Picarro will present a case study examining the increased efficiency of a distribution natural gas utility's leak survey program. In 2017, ATCO began utilizing Picarro's Advanced Leak Survey technology -- incorporating mobile leak surveying vehicles and advanced data analytics to improve the efficiency and effectiveness of their program.
AGA Best Practices Program Update	Ken Buys, Director, AGA	
Alternative Approach to MAOP Re-Comp and Material Verification	Peter Veloo - Principal Integrity Management Engineer - Pacific Gas and Electric Co.	
Automated Field-to-GIS Platform for As-Builts	Samir Patel, Account Manager, Locusview	This presentation will feature a digital as-builting solution. This includes high-accuracy GPS and also features a streamlined 'field to GIS system of record' platform to integrate directly with PSE&G's ArcFM desktop solution, as well as PDF as-built reports with dimension lines.
Biotechnology for Biogas Upgrading with Simultaneous H2S and Volatile Methyl Siloxanes Removal	Amanda Harmon -Manager, Projects, GTI	Biotechnology is an emerging solution for the production of renewable natural gas (RNG). This presentation will highlight recent advancements in bioprocess engineering to achieve simultaneous biogas upgrading and removal of several trace impurities (H2S and VMS). Cost comparison to traditional gas treatment methods will also be discussed. Coauthors: T. Dupnock and M. Deshusses - Duke University; R. Bora - GTI
Boards are Not Bored When it Comes to Safety (panel)	(Moderator) Lori Traweek, COO - AGA; Mary Palkovich - Executive Consultant & Board Member; Anita Romero; Cheryl Campbell	
Cars, Trucks and Nearby Gas Facilities, Oh My!	Mary Youngblood - Operations Improvement Manager - Southern Company Gas	Southern Company Gas will take you on their 10-year journey of building and evolving their program around protecting natural gas facilities from vehicular collision. From the methods and technologies used to identify and track cases needing protection to working with customers who are resistant to protective measures, this session will highlight some of the challenges and tribulations that may benefit similar efforts across the natural gas industry. The session will also highlight results from the most recent Southern Company Gas-authored AGA SOS survey completed in Q1 of 2021.
CenterPoint Energy's Risk Modeling Approach for Legacy Cross-Bore Inspections	Chris Moore - Vice President, Client Experience - JANA	This presentation explores CenterPoint's risk-based approach for planning legacy cross-bore inspections. Working with various data input systems, a mechanistic-probabilistic risk model provides baseline understanding of cross-bore risk and the benefit of inspections along with Bayesian updating to improve results. Using the risk model outputs, CenterPoint can optimally plan and prioritize their inspections. Coauthor: D. Joyal - JANA
CenterPoint Energy's Transition to Probabilistic Transmission Modeling	Sarah Vyvoda - Manager of Transmission and Storage Integrity - CenterPoint Energy	A transition to probabilistic transmission risk modeling leads to questions abouthow much data is needed and how are data uncertainties or missing data are handled. This presentation describes CenterPoint's approach to organizing and structuring integrity data, leveraging AI-based technology that drives Integrity management analytics and risk calculations with trusted, quality data. Co-author: C. Moore - JANA
Contractor Safety	Luke Buzard - Vice President, Pipeline Safety and Regulatory Affairs- TECO Peoples Gas	
COVID Impact on Gas Operations - Panel	Andrew Lu (Moderator) Vice President, Operations & Engineering, AGA; Jon Huddleston, NW Natural; Christa Markgraff, Southern Co. Gas; Robert Massoni, Con Edison	
Cross-Bore Detection Technology -- Deploying Acoustic Sensors Within Gas Piping	Daire Kullar, Sales Manager, ULC Robotics	In this presentation, cross bores are again identified as one of the top safety risks throughout the gas utility industry. ULC Robotics, in partnership with two leading US gas distribution utilities, has developed acoustic inspection equipment to detect the presence of a cross bore from within PE gas mains and services.
DCA – Your Partner in Utility Construction	Rob Darden, Executive Vice President - DCA; Kevin Parker, VP, Health, Safety & Environment - Mears Group; Eben Wyman, President - Wyman & Associates	The Distribution Contractors Association (DCA) is the organization of contractors and suppliers that utilities use when not utilizing their in-house crews. Membership serves as evidence of a distribution contractor's commitment to quality, cost-effective, and safe construction goals. Learn about the DCA and its efforts in partnering with AGA and other industry groups to develop programs such as OQIP, PSMS for contractors, and actively championing the benefits of natural gas, and the high paid workforce needed to serve our LDC clients.
Decarbonation Efforts in Washington State	Janet Kelly - Director, Governmental Affairs - Puget Sound Energy	Washington State considered legislation in the 2021 session that would have limited the ability of natural gas utilities to serve customers through a variety of mechanisms such as strengthening the State Energy Code, layering on costs, requiring a utility transition plan to be submitted, and electrification programs. Hear firsthand how this bill was defeated, the coalition of stakeholders mobilized to defeat the bill, and what future policies might be considered.

Detection of Underground Pipelines Under Challenging Conditions	Khosrow Bakhtar - Bakhtar Research and Engineering LLC	Accurately mapping buried assets is critical to safe operation. PG&E has been partnering with Bakhtar Research & Engineering in improving and field testing of an innovative, non-intrusive low-power Force Resonance Imaging (FRI) technology for 3D mapping and sizing of underground plastic pipelines under challenging conditions.
Digital Construction for Utilities - Panel	(Moderator) Alicia Farag - Co-Founder and CEO - LocusView; Daniel Fox & Pat Whiteside - Southern Company; John Hill - Black Hills; Kevin Miller - Miller Pipeline; Lance Elroy - MDU	
Dominion Energy Ohio – Evolution of a Safety Culture	Mike Donahue - Manager, Gas Safety & Training - Dominion Energy Ohio	This session will focus on Dominion Energy Ohio's ever evolving safety culture. The topic will include the importance on having a corporate safety culture that guides / supports local business units. Dominion Energy Ohio will showcase its partnership with Gas Workers Local 555 and the importance of safety committees in its success.
Enhanced Tracking and Analytics with OQ Training Can Increase Safety, While Reducing Cost and Time	Eric Cowan - Vice President, Field Operations - G2 Integrated Solutions	This presentation will demonstrate the use of electronic forms, databases and other methods, such as PowerBi, to make data more user friendly.
Gas Outage Management -- Why Now?	Frank Halcarz - Sales Executive - Open Systems International (OSI)	Gas outages are rare, so why invest in an outage management system? Planned or unplanned, the outage restoration process is labor intensive and opens up additional risk if not done systematically. This presentation wil explore how modern systems can help with outage analysis, manage work crews, and provide tools for a methodical approach to restoration. Coauthor: L. Larsson - Open Systems International
GIS Enablement of Automated Compliance Management	Don Vanker and Stephen Davis - UDC	This presentation will demonstrate effective utilization of GIS to drive compliance management, and how GIS can be used to meet compliance at utilities. GIS is enabling utilities to replace manual, and paper driven survey and inspection processes with solutions automating the business workflow of maintenance procedures and compliance reporting. Explore the benefits of an office to field inspection application with built-in spatial awareness, monitoring and compliance reporting capabilities.
GPS/Bar Coding Implementation	Angela Marra - Business Technical Administrator & Chris Tillett - Construction Coordinator/Inspector - TECO Peoples Gas	
How to Best Leverage On-the-Job Training (OJT) in the Next Normal	Amy Borgmeyer - Senior Director, Field Operations Training - Mosaic	The next normal for field operations will require an agile training effort. This presentation will discuss: 1. Designing OJT for more than just task repetition; 2. Making OJT a sustainable training intervention; 3. Considerations in moving to a learner-centric OJT model; 4. Making OJT work during and post COVID-19.
Incident Investigation & Root Cause Analysis using a Management Organization Risk Tree Methodology	Frenae F. Smith - Manager, Codes & Standards / Laboratory Services - DTE Gas	
Incorporating Advanced Mobile Leak Detection into a DIM Program	Julien Klein - Picarro Caroline Geiger & Forrest Garner - CenterPoint Energy	This presentation discusses the use of Advanced Mobile Leak Detection information to enhance existing DIM data for risk evaluation and risk mitigation activities. These enhancements include selecting pipeline segments for replacement that have been predicted to contain more underground leaks, with greater spatial density and larger emission flow rates based on near real-time mobile data collection.
Integrating Engineering & Construction for Material Traceability & Automated Material Reconciliation	Alicia Farag - Co-Founder and CEO - LocusView	Engineering designs and material selection are not just tasks performed as part of pre-construction planning and budgeting. Designs and the associated Bill of Materials can be used to validate construction activities in real-time during construction including validating materials, documenting design changes, creating TVC material records, and automating post-project material reconciliation. This presentation will provide a real-world case study of how integrating engineering, construction, and project close-out into a single workflow can dramatically improve efficiencies and reduce cycle times by 90%.
Large Diameter Distribution Project: Duke Energy's PM Change to Gain Project Approval	Chad Shaffer- Duke Energy; Sally Thelen - Lead Corporate Communications - Duke Energy; Gary Hebbeler, Vice President- Duke Energy	Times have never been more challenging to get new pipe in the ground, especially a 14-mile, high-pressure, large-diameter distribution pipeline in suburban Cincinnati. Five years later, Duke Energy has begun construction on the Central Corridor pipeline. This would never have been possible without a shift in the corporate mindset from "Design, Decide and Defend" to "Listen, Learn and Adjust.
Looking Upstream - Optimized Construction Inspections for Risk Mitigation at MDU	Samir Patel - LocusView; Sean Odell - MDU	MDU is implementing new technology to optimize construction QC inspections with the following components: Optimized & digitized inspections at MDU with field data capture to reduce risk through inspection data analysis, integration with MDU's Jira Service Desk system to track inspection results from creation to resolution, and use of contractor field check-ins to improve inspection sampling.
Odorizer Alarm Management	Gerry Turner - Director Gas Control, Gas Dispatch & Gas Technical Service - Ameren	This presentation will share insights from lessons learned and provide detail related to specific winter/summer load disparities. Discussion will include operational remedies known to enhance seasonal odorization effectiveness.
Operational Controls Under PSMS - Panel	(Moderator) Andrew Lu - Vice President, Operations & Engineering - AGA Panelists: John Hill - Vice President, Natural Gas System Safety - Black Hills Energy Nicole Garrett - Manager, SMS - MDU	
Pipeline Safety Regulatory Update (U.S. DOT)	Chris Hoidal - Director, OPS Western Region - U.S. DOT	PHMSA will review and discuss recently published and pending rulemakings, including gas transmission mega-rule, automated valve and emergency response rule, and the regulatory reform rule.
Promoting Safety Culture During a Pandemic - Panel	Kevin Murphy - LGE-KU; Ben Watson - NiSource; Mike Farlow - ONE Gas	Three utilities will provide their perspectives on what safety measures worked well during the pandemic, lessons learned and their unique company approaches to the recent vaccine and mask mandates at the federal and state level.
Public Awareness	Lindsay Sander, Sander Resources/Buxus; Brian Witte - Dominion; John Webster - City of Hutchison, MN; Chief Jonathan Lamm - City of Cocoa, FL	Buxus is a new mobile app that seeks to deploy pipeline emergency response information to responders. The secure platform establishes a two-way communications channel between operators and emergency response stakeholders-making critical information available 24-hours a day, and regardless of cell phone or wifi-coverage. The app is currently being rolled out by several dozen operators throughout the country through a pilot project. Attendees will hear from both operators and responders regarding the system and why they are using it. Highlights will include Buxus' capabilities and lessons learned to date.
Residential Methane Detector Program at GTI	Karen Crippen - Director, Analytical Services - Gas Technology Institute	GTI will present the latest information on their Residential Methane Detector (RMD) program including results from the pilot study that placed RMDs in consumers' homes across the U.S.
Responding to Cracks and Crack-Like Defects for Mega-Rule 1	Mara Sikora - Duke Energy; Scott Riccardella - Structural Integrity Associates, Inc.	Structural Integrity, partnering with Duke Energy, will present Mega-Rule requirements for the Analysis of Predicted Failure Pressure (192.712). Procedures, tools and practical applications will be presented along with specific case studies. In addition, methods to address additional requirements for evaluating cyclic fatigue will also be presented. Coauthor: T. Ajibola - Duke Energy

Southwest Gas PSMS Program – Breaking PSMS Barriers	Reagan Monroe - Director/System Integrity - SW Gas	Southwest Gas Corporation will share how they have been successfully breaking barriers with the implementation of a champions network at both an executive and cross-functional employee level. This has enabled them to drive continual improvement, as well as engage contractors through workshops and summit meetings to encourage PSMS adoption and performance of their PSMS gap analysis. The company has also incorporated system improvement enhancements through a corrective action program and an AGA virtual assessment of a select PSMS essential element. Finally, they will share advances made in stakeholder engagement through various communication channels.
Strategic Partnering for Successful RNG -- Technology, Design and Construction	Jeff Vanvoorhis - Symbiont; Dennis Jarnecke - GTI; Bart Hill - HDR Engineering; Jill Krynicki - Symbiont	This presentation will describe a collaborative approach along the entire project pathway that brings together the latest in technology, design and construction for Renewable Natural Gas (RNG) projects. This combined effort from industry leaders (GTI, HDR ; Symbiont) helps ensure that RNG projects are successfully executed and integrated to meet clients' needs. Coauthors: B. Hill - HDR; D. Jarnecke - GTI; J. Vanvoorhis - Symbiont
Testing Advanced Detection and Location Tools for Walking Surveys	Steven Blitzstein & Amanda Harmon - GTI	GTI is evaluating new mobile apps and workflows that couple traditional gas detectors enhanced with Bluetooth and high-accuracy GNSS devices to track locations visited and gas concentrations measured during walking surveys. This presentation will discuss testing frameworks, results, and future implementation of these systems into existing company leak survey operations.
Using Software to Support the Human Element of a Control Room Audit	Russel Treat - CEO and Founder - EnerSys Corporation	This presentation will address how today's software capabilities allow pipeline operators to simplify and streamline control room regulatory compliance. Software creates a single source for relevant program documents, enables communication between groups, and ensures that regulatory rules are accessible. Software solves the human element of gathering documents, validating activity, and restoring confidence to pass audits.