



2016 Pipeline Safety September 26-28 Conference

Conference Host



Michigan Public Service Commission

Location:
Comfort Inn & Suites, Hotel and Conference Center
2424 South Mission Street, Mount Pleasant, Michigan 48858

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RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
PUBLIC SERVICE COMMISSION

SHELLY EDGERTON
DIRECTOR

NORM SAARI
COMMISSIONER

SALLY A. TALBERG
CHAIRMAN

RACHAEL EUBANKS
COMMISSIONER

Dear Conference Participant:

On behalf of the Department of Licensing and Regulatory Affairs, Michigan Public Service Commission and the Gas Operations Conference Planning Committee, welcome to the 2016 Pipeline Safety Conference.

The pipeline safety conference is designed to educate pipeline companies on pipeline safety regulations, regulation interpretations, compliance actions, enforcement policies, and incident investigations. The conference helps to ensure consistent application of the pipeline safety regulations and is required as part of the federal guidelines for states participating in the pipeline safety program.

Please take advantage of the dynamic speakers' presentations, breakout sessions, and networking times where you can glean valuable information from experts in their fields and learn about new updates and ideas in the gas industry.

Enjoy the conference.

Cordially,

A handwritten signature in black ink that reads "Sally A. Talberg".

Sally A. Talberg, Chairman
Michigan Public Service Commission

LARA is an equal opportunity employer/program.

Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
7109 W. SAGINAW HIGHWAY • P.O. BOX 30221 • LANSING, MICHIGAN 48909 • www.michigan.gov/mpsc • 517-284-8100

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GENERAL INFORMATION

Conference Hours

Monday, September 26 th 1:00 p.m. – 6:00 p.m.	Tuesday, September 27 th 7:30 a.m. – 5:30 p.m.	Wednesday, September 28 th 7:30 a.m. – 2:30 p.m.
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Registration / Information Table

The Conference Information Table will be located in the Pre-Conference Center Foyer.

Conference Meals / Breaks Included in Registration Fee

Monday, September 26 th PM Break / Snack	Tuesday, September 27 th AM – PM Break / Snack Buffet Lunch	Wednesday, September 28 th AM Break / Snack Light Meal
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Name Badges

Conference badges should be worn at all times during the scheduled conference events, not only as a courtesy to other registrants, but also as an indication that your registration has been completed. Name badges are required for entry into all sessions and meal events during the conference. Badges can be obtained at the Conference Information Table.

Messages

If someone needs to contact you while attending the conference, please have them call the hotel front desk at 989-772-4000, all messages will be delivered to the Conference Information Table during the event, we will make sure it gets to you.

Accessibility

The meeting site is accessible, including handicapped parking. People with disabilities requiring additional accommodations such as information in alternative formats in order to participate in the meeting should contact the Conference Event Coordinator at 517-284-8233. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Lost and Found

Please stop by the Conference Information Table for lost and found items.



GENERAL INFORMATION

Internet Access

The Conference Center offers high speed wireless and wired internet connections. Complimentary high speed wireless internet is available throughout the hotel.

Personal Computer Devices

This will be a paperless meeting. Please bring along a personal device that will provide capability of viewing electronic presentation documents during the event, as paper copies will not be distributed. There will be charging stations in every conference room. Note: Presentations will also be displayed on projection screens.

Panel Discussion

To submit discussion topics for the Tuesday afternoon Round Table Panel, please use the following link:
<https://goo.gl/forms/l1orVi3UQifObAJq1>.

Dinner on Your Own

On-site is Bennigan's American Grill & Tavern which opens at 11:00 a.m. and closes at 11:00 p.m. Bennigan's provides on-site guest room delivery.

In addition to Bennigan's, the hotel also recommends The Italian Oven; it is a very short distance from the hotel at 2336 South Mission Street. <http://www.labellemgt.com/italian-oven.cfm>
Restaurant guide for Mt. Pleasant. <http://www.mountpleasantmenus.com/>

Attendees with Overnight Accommodations

Each of the designated conference hotels (Comfort Inn / Fairfield Inn) offer hot breakfast daily in their hotel lobby. Breakfast will not be provided at the conference.

Manager's Welcome Reception

The Management Team of the Comfort Inn & Suites, Hotel and Conference Center offers registered hotel guests a complimentary food and beverage reception, Monday through Thursday evenings from 6:00 – 7:00 p.m. in the hotel lobby (based on occupancy).



GENERAL INFORMATION

Networking Opportunity for ALL Pipeline Safety Conference Attendees

Please join us during the Manager's Welcome Reception, Tuesday, September 27th after the conference.

Continuing Education (CE) Hours

The 2016 Pipeline Safety Conference will encompass 24 hours of natural gas related presentations and instruction over a span of three (3) days. The Michigan Public Service Commission (MPSC) is offering a program to document continuing education hours received for those that enroll. A certificate of completion will be mailed electronically to recipients by November 10th.

If you are interested in enrolling for this program, attendees can enroll online during the registration process or by visiting: <https://goo.gl/forms/fUeNYj41TgVyMfwJ3>.

MPSC Requirements for the CE Program:

- Participants will be required to enroll online prior to the start of the conference.
- Participants will be required to sign in upon arrival each day at the information table.
- Participants will be required to sign in at each breakout session attended on Tuesday.

Please note that the MPSC does not guarantee acceptance of the CE certificate by your state's licensing authority as part of your professional license renewal requirements. It is the attendee's responsibility to verify acceptability.

Conference Evaluations

At the end of the conference, please take a moment to complete the online conference evaluation. Feedback is appreciated. Link: <https://goo.gl/forms/j3twyMPIX33qTgTW2>.



About the MPSC

The mission of the Michigan Public Service Commission is to grow Michigan's economy and enhance the quality of life of its communities by assuring safe and reliable energy and telecommunications services at reasonable rates.

Goals

Establish fair and reasonable rates for regulated services and adopt and administer fair terms and conditions of service for Michigan's utility customers.

Assure adequate and reliable supplies of regulated services to all Michigan customers, and the safe and efficient production, distribution, and use of the State's energy and telecommunications services.

Assure the security of Michigan's critical infrastructure by promoting homeland security.

Promote Michigan's economic growth and enhance the quality of life of its communities through adoption of advanced technologies like broadband telecommunications, efficient renewable energy resources and energy efficiency innovations.

Provide customers with the opportunity to choose alternative electric, natural gas, and telecommunications providers.

Provide regulatory oversight in a prudent and efficient manner while implementing legislative and constitutional requirements.



Members of the Commission

The Michigan Public Service Commission is composed of three members appointed by the Governor with the advice and consent of the Senate. Commissioners are appointed to serve staggered six-year terms. No more than two Commissioners may represent the same political party. One commissioner is designated as chairman by the Governor.

Sally A. Talberg, Chairman Michigan Public Service Commission

Sally A. Talberg was appointed by Governor Rick Snyder to the Michigan Public Service Commission on July 3, 2013, and was appointed chairman on January 4, 2016. Her term ends July 2, 2019.

Prior to her appointment, Chairman Talberg worked in the public and private sectors with a focus on energy policy and utility regulation. Most recently, she served as a senior consultant at Public Sector Consultants focusing on energy policy issues. During her tenure at Public Sector Consultants, she also helped establish Michigan Saves, a financing organization to support energy waste reduction. Chairman Talberg previously served as an analyst at the Michigan Public Service Commission, managed enforcement and contested cases at the Michigan Department of Environmental Quality, and advised commissioners at the Public Utility Commission of Texas.



Chairman Talberg is president of the Organization of MISO States. Through her involvement with the National Association of Regulatory Utility Commissioners Telecommunications Committee, she also serves on the Federal-State Joint Board on Jurisdictional Separations, and on Universal Service.

Ms. Talberg holds a bachelor's of science degree in Environmental and Natural Resources Policy Studies from Michigan State University and a master's degree in Public Affairs from the Lyndon B. Johnson School of Public Affairs, University of Texas-Austin.

**Norman J. Saari, Commissioner
Michigan Public Service Commission**

Norman J. Saari was appointed by Governor Rick Snyder to the Michigan Public Service Commission for a term beginning on August 2, 2015. His term ends July 2, 2021.

Commissioner Saari served as an executive director of governmental affairs for 20 years at the Consumers Energy Company, a position from which he retired in 2006. Commissioner Saari was most recently Chief of Staff for the Michigan House of Representatives under Speaker Kevin Cotter as well as under former Speaker Jase Bolger. He also served as Governor Snyder's manager of appointments and Chief of Staff for former State Senator Jason Allen.

Commissioner Saari is a member of the National Association of Regulatory Utility Commissioners and serves on its Committee on Natural Gas, Subcommittee on Nuclear Issues-Waste Disposal, Committee on Critical Infrastructure, and the Washington Action Program. Additionally, Commissioner Saari is the board secretary of the Mid-America Regulatory Conference.

Commissioner Saari earned a bachelor's degree in journalism from Michigan State University, and served as a public information officer in the Michigan National Guard.



**Rachael Eubanks, Commissioner
Michigan Public Service Commission**

Rachael Eubanks was appointed by Governor Rick Snyder to the Michigan Public Service Commission, for a term beginning Aug. 1 and expiring July 2, 2017, as she completes the remainder of a six-year term.

Prior to her appointment, Eubanks worked in public finance for 13 years, most recently as a director at Robert W. Baird & Co. Inc. During her 10-year tenure at Baird, she completed over \$22 billion in bond financings, primarily for the State of Michigan, Michigan State Building Authority, Michigan Finance Authority and other state agencies. She served as financial advisor on a \$185 million issuance for the Public Lighting Authority of Detroit that financed a complete overhaul of the city's street lighting system amidst its bankruptcy proceedings.

She holds a bachelor's degree in economics from the University of Michigan.

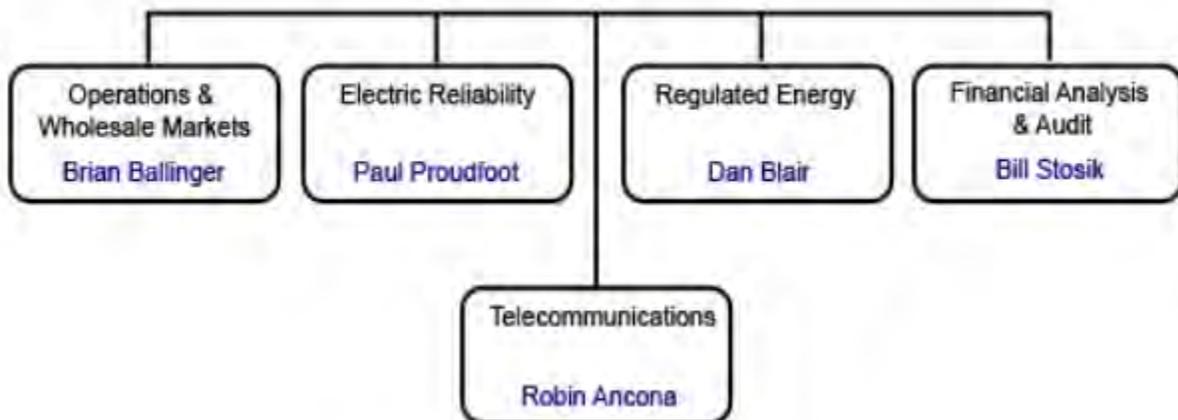


MICHIGAN PUBLIC SERVICE COMMISSION

MPSC Divisions

The Michigan Public Service Commission is organized into six Divisions:

1. Regulatory Affairs, which is primarily responsible for the drafting of Commission orders and administrative rules, and maintaining the Commission's files and official dockets;
2. Operations & Wholesale Markets, which is primarily responsible for ensuring safe, adequate, and reliable energy supplies;
3. Electric Reliability, which is primarily responsible for implementation of the state's Renewable and Energy Efficiency Act (PA 295) and evaluating certificate of necessity filings;
4. Regulated Energy, which is primarily responsible for electric and natural gas utility ratemaking functions;
5. Financial Analysis & Audit, which is primarily responsible for accounting and audit issues, reconciliations, financial statistics, annual reports, and administration of Michigan's gas and electric customer choice programs;
6. Telecommunications, which is primarily responsible for all aspects of the Commission's authority related to telecommunications services.





CONFERENCE CENTER

About the Comfort Inn & Suites Hotel and Conference Center

The Comfort Inn & Suites Hotel and Conference Center is proudly owned and operated by Labelle Management since 1989, when they expanded their company to include a Hotel Division. The company's hotel division now has six hotels throughout Michigan in their portfolio as well as many other businesses. Their company still revolves around the same core values that made them successful; their many employees share their deep commitment to truly live their mission statement "To Always Do the Right Thing."

The conference center is at 2424 S. Mission St., Mount Pleasant, MI 48858, conveniently located right off of Business US 127, across from Central Michigan University.

The Conference Center has three (3) hotels available to provide overnight accommodations for conference attendees: The Comfort Inn Hotel & Suites (where the conference center is located), the Fairfield Inn & Suites, and the Super 8; all of which are very close in proximity.

The conference center property has an on-site ATM, business center, game room, fitness center, indoor heated pool, complimentary Wi-Fi, and a full-service restaurant with guest room delivery. Each guest room has a refrigerator, microwave, coffee maker, iron, ironing board, and hair dryer.

This property has nearly 10,000 square feet of flexible meeting space. Located on the campus of Central Michigan University and across the street from Kelly Shorts Stadium, only minutes from local corporations, great golf courses, shopping, and Soaring Eagle Casino, there is plenty to do for work and play while you are in the center of the state, Mt. Pleasant.

Distance to Major Cities

Saginaw, MI 41 miles

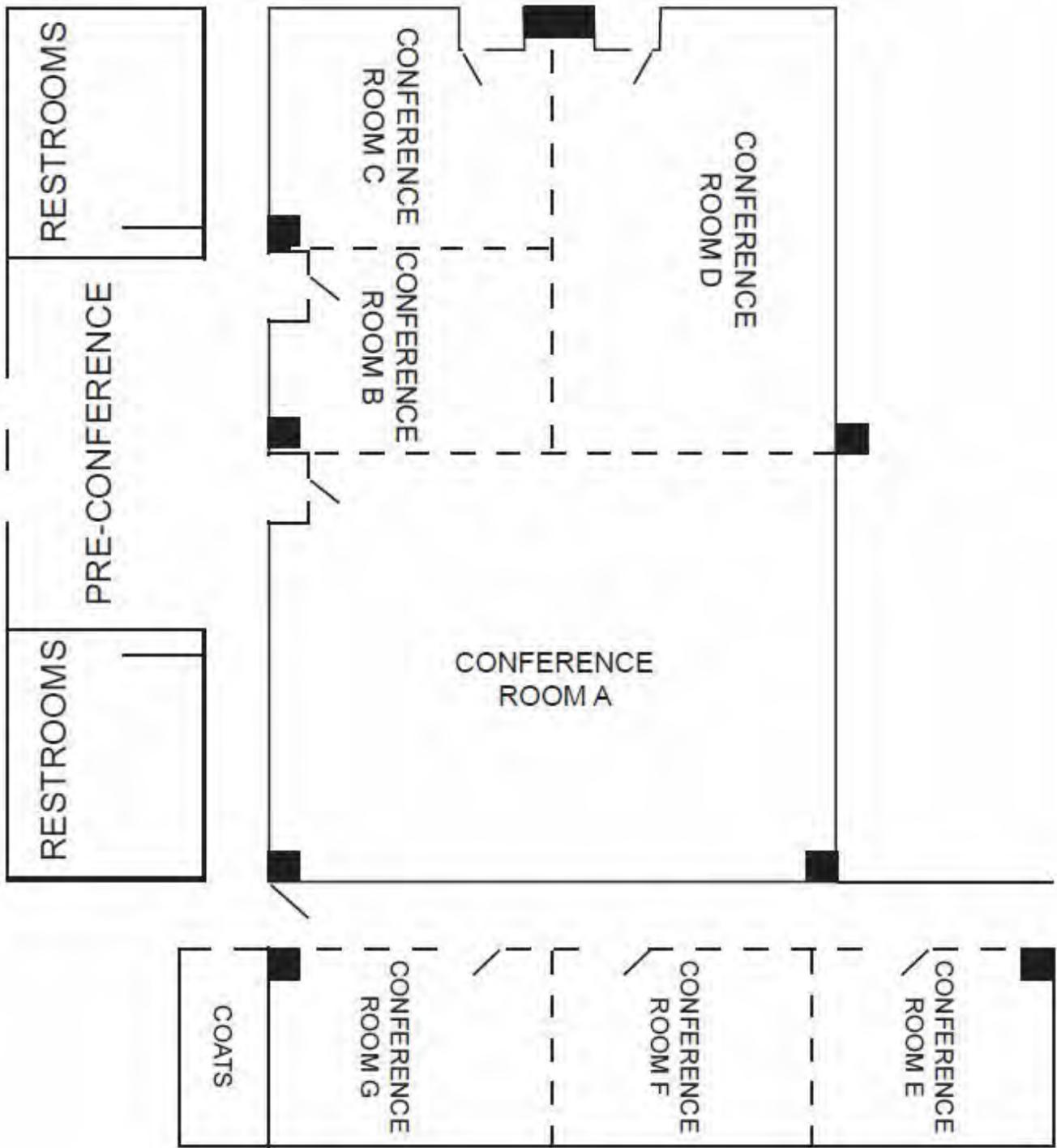
Lansing, MI 70 miles

Grand Rapids, MI 95 miles

Detroit, MI 155 miles

Conference Center Floor Plan

mtpcomfortinn.com/meetings-events/floor-plan/





CONFERENCE SCHEDULE AT A GLANCE

MONDAY, SEPTEMBER 26 | 1:00 p.m. - 6:00 p.m.

TIME	EVENT	LOCATION
1:00-1:35 p.m.	Welcome and Introductions	A, B, C, D
1:35-2:20 p.m.	Terror Threats to Pipelines	A, B, C, D
2:20-2:35 p.m.	Break	
2:35-3:05 p.m.	American Society of Mechanical Engineers (ASME) B31Q (Pipeline Personnel Qualification) Update - Future Rules - Potential Changes (if final) to Rule for 192.305	A, B, C, D
3:05-3:50 p.m.	New Tools for Distribution Leak Survey	A, B, C, D
3:50-4:05 p.m.	Break	
4:05-5:00 p.m.	MPSC 2014-2016 Inspection Findings and Recommendations	A, B, C, D
5:00-6:00 p.m.	Incident History	A, B, C, D

TUESDAY, SEPTEMBER 27 | 7:30 a.m. - 5:30 p.m.

TIME	EVENT	LOCATION
7:30-9:25 a.m.	Concurrent Breakout Sessions Damage Prevention Track Distribution Track General Code Compliance Track Transmission Track	B-C D G E-F
9:25-9:45 a.m.	Break	
9:45-11:15 a.m.	Concurrent Breakout Sessions Damage Prevention Track Distribution Track General Code Compliance Track Transmission Track	B-C D G E-F
11:15 a.m.- 12:15 p.m.	Lunch Buffet	A, B, C, D
12:15-1:15 p.m.	Concurrent Breakout Sessions Damage Prevention Track Distribution Track General Code Compliance Track Transmission Track	B-C D G E-F
1:15-1:35 p.m.	Break	
1:35-3:10 p.m.	Concurrent Breakout Sessions Damage Prevention Track Distribution Track General Code Compliance Track Transmission Track	B-C D G E-F
3:10-3:30 p.m.	Break	
3:30-4:30 p.m.	Round Table Panel Discussion	A, B, C, D
4:30-4:40 p.m.	Intermission	
4:40-5:30 p.m.	Round Table Panel Discussion	A, B, C, D
5:30-6:00 p.m.	Break	
6:00-7:00 p.m.	Networking Session for All Conference Attendees	Lobby



CONFERENCE SCHEDULE AT A GLANCE

WEDNESDAY, SEPTEMBER 28 | 7:30 a.m. - 2:30 p.m.

TIME	EVENT	LOCATION
7:30-7:45 a.m.	Welcome and Opening Remarks	A, B, C, D
7:45-9:00 a.m.	PHMSA Update: Recent Changes, Proposed Rules and Safety Management Systems and Submitting Comments in Rulemaking	A, B, C, D
9:00-9:15 a.m.	Break	
9:15-10:00 a.m.	Work Force Issues with Addition of New Codes and Compliance Programs from the Perspective of Three (3) Different Operators	A, B, C, D
10:00-10:45 a.m.	Airborne Leak Detection Technologies	A, B, C, D
10:45-11:05 a.m.	Break - Light Lunch	
11:05-11:50 a.m.	Consumers Energy Damage Prevention and Public Safety Outreach Program	A, B, C, D
11:50 a.m.-1:00 p.m.	Emergency Response and Incident Command System (ICS)	A, B, C, D
1:00-1:20 p.m.	Break	
1:20-1:50 p.m.	Landfill Gas Monitoring in Dry Distribution System	A, B, C, D
1:50-2:10 p.m.	MPSC Risk Based Inspections & Inner Workings	A, B, C, D
2:10-2:30 p.m.	Closing Remarks and Conference Wrap Up Submit Online Evaluations and CEU Certifications	A, B, C, D

SCHEDULE AT A GLANCE – BREAKOUT SESSION PLANNER

TUESDAY, SEPTEMBER 27 | 7:30 a.m. - 3:30 p.m.

TIME	TRACK	EVENT	LOCATION
7:30-9:25 a.m.	Damage Prevention	MISS DIG Systems	B-C
	General Code Compliance	Title – 49 CFR Part 192, Basics of the Federal Gas Pipeline Safety Regulations	G
	Transmission	What is Stress Corrosion Cracking? (SCC 101)	E-F
7:30-8:00 a.m.	Distribution	American Society of Mechanical Engineers (ASME) B31Q (Pipeline Personnel Qualification) Update • Future Rules • Potential Changes (if final) to Rule for 192.305	D
8:10-8:40 a.m.		Process to Create Common Gas Standards, Materials, and Pipeline Safety Compliance Expectations across Multiple Utilities of the WEC Energy Group	
8:50-9:20 a.m.		Investigating Reports of Inside Leaks	
9:25-9:45 a.m.		Break	
9:45-11:15 a.m.	Damage Prevention	MISS DIG Systems	B-C
	General Code Compliance	Two Part Discussion on Odorization Issues and Specificity of Procedures	G
9:45-10:15 a.m.	Distribution	Gas Service Lines Connected to Non-Distribution Facilities	D
10:15-11:15 a.m.		Maximum Allowable Operating Pressure (MAOP), Establishing MAOP	
9:45-10:45 a.m.	Transmission	Welding – Quality Concerns & In-Service Welding	E-F
10:45-11:15 a.m.		Installation of Remote Control Valves (RCV) in Gas Transmission Pipelines	
11:15 a.m.- 12:15 p.m.		Lunch Buffet	A, B, C, D
12:15-12:45 p.m.	Damage Prevention	Legacy Cross Bore Investigations	B-C
	Distribution	Distribution Integrity Management Programs (DIMP)	D
	General Code Compliance	MPSC Operator Qualification Program Inspections	G
	Transmission	Underground Natural Gas Storage - Past, Present & Future	E-F
12:45-1:15 p.m.	Damage Prevention	Project Staking; An Operators' Perspective and Successes Achieved	B-C
	Distribution	Master Meter Regulations - Federal & State Differences	D
	General Code Compliance	Human Factors and the DTE Gas Control Room	G
	Transmission	Natural Forces – Recent River Failures and What Caused the Yellowstone River Failure	E-F
1:15-1:35 p.m.		Break	
1:35-3:10 p.m.	Damage Prevention	MPSC Damage Prevention Statistics and Enforcement	B-C
	Distribution	Plastic Piping Information: • General Polyethylene (PE), Polyamide (PA) Concerns and Safety Issues Including Failures • Ultraviolet (UV) Light Exposure, Outdoor Exposure and Temporary Above Ground Installations • Hydrocarbon Permeation of PE	D
	General Code Compliance	Operations and Maintenance Requirements for Small Operators	G
1:35-2:00 p.m.	Transmission	Transmission Integrity Management Programs (TIMP).	E-F
2:10-3:10 p.m.		TIMP; An Operators' Perspective	
3:10-3:30 p.m.		Break	



GENERAL SESSIONS

Conference Rooms A-B-C-D / Maximum Capacity: 198

MONDAY, SEPTEMBER 26 | 1:00 p.m. - 6:00 p.m.

Welcome, Introductions, and Opening Remarks

1:00-1:35 p.m. **David Chislea, Michigan Public Service Commission**
Commissioner Rachael Eubanks, Michigan Public Service Commission
Brian Ballinger, Michigan Public Service Commission

Terror Threats to Pipelines

1:35-2:20 p.m. **Troy Lowe, Transportation Security Administration - Office of Intelligence**
Presentation will cover the overall terror threat to Hazardous Liquid and Natural Gas (HLNG) Pipelines and details into some key findings in intelligence reporting on the terror threat to pipelines globally.

2:20-2:35 p.m. Break

American Society of Mechanical Engineers (ASME) B31Q (Pipeline Personnel Qualification) Update - Future Rules - Potential Changes (if final) to Rule for 192.305

2:35-3:05 p.m. **Richard Stump, Midwest Energy Association**
The July 2015 PHMSA NPRM is a likely game changer for the OQ Rule and while the final rule has not yet been issued, the proposed changes will require operators and contractors to significantly re-shape their OQ Programs. The presentation will review these proposed changes and consider the challenges involved with meeting these new requirements. The discussion will also include a review of the ASME B31Q standard and it's potential to serve as a national OQ standard.

New Tools for Distribution Leak Survey

3:05-3:50 p.m. **Chris Vale, Picarro**
Michael Parran, CMS Energy
The presenters will cover the physics of how lasers are used to detect methane, how they are currently being used for leak survey, and will share results from a Consumers Energy pilot conducted in Flint, Lansing, and the suburbs of Detroit.

3:50-4:05 p.m. Break

MPSC 2014-2016 Inspection Findings and Recommendations

4:05-5:00 p.m. **Taylor Becker, Michigan Public Service Commission**
Presentation will contain information of the more significant inspection findings and recommendations from 2014 - 2016 MPSC inspections.

Incident History

5:00-6:00 p.m. **Heather David, Michigan Public Service Commission**
2013-present incidents, including Staff issued non-compliance and recommendations.

6:00 p.m. End of Day One



GENERAL SESSIONS

Conference Rooms A-B-C-D / Maximum Capacity: 198

TUESDAY, SEPTEMBER 27 | 3:30 p.m. - 5:30 p.m.

Round Table Panel Discussion

3:30-4:30 p.m.

Panelists:

- **David Chislea, Michigan Public Service Commission**
- **John Lueders, DTE Gas Company**
- **Stephen Makowski, SEMCO ENERGY Gas Company**
- **Harold Winnie, DOT/Pipeline and Hazardous Material Safety Administration**

This is an open forum where attendees can hear from experts in their field on different topics of interest submitted to the panelists by attendees.

4:30-4:40 p.m.

Intermission

Round Table Panel Discussion Continued

4:40-5:30 p.m.

5:30 p.m.

End of Day Two

6:00-7:00 p.m.

Networking Session for All Conference Attendees

Location: Hotel Lobby

WEDNESDAY, SEPTEMBER 28 | 7:30 a.m. - 2:30 p.m.

Welcome and Opening Remarks

7:30-7:45 a.m.

David Chislea, Michigan Public Service Commission

PHMSA Update: Recent Changes, Proposed Rules and Safety Management Systems and Submitting Comments in Rulemaking

7:45-9:00 a.m.

Harold Winnie, DOT/Pipeline and Hazardous Material Safety Administration (PHMSA)
John Lueders, DTE Gas Company

-PHMSA update on some of the recent changes to 49 CFR parts 192 and 195, along with the impact of some of the recent proposed rules and the what and why of Pipeline Safety Management Systems.
-Times change. Pipeline regulations change. This presentation will cover the general structure of rulemaking, and give insight into how operators and other interested persons may participate in the Comment Submission process.

9:00-9:15 a.m.

Break

Work Force Issues with Addition of New Codes and Compliance Programs from the Perspective of Three (3) Different Operators

9:15-10:00 a.m.

Julie Hegedus, CMS Energy
Frenae Smith, DTE Energy
Darin Vreugdenhil, Integry

Hear from three different Operations on how they are adjusting the work force to be able to handle increasing regulatory requirements and pending regulation.



GENERAL SESSIONS

Conference Rooms A-B-C-D / Maximum Capacity: 198

WEDNESDAY, SEPTEMBER 28 | 7:30 a.m. - 2:30 p.m.

Airborne Leak Detection Technologies

10:00-10:45 a.m.

Mark Handy, LaSen, Inc.

Russell Jennett, LaSen, Inc.

DOT Pipeline leak inspection can be accomplished either by ground or airborne surveys. Airborne technologies provide the quickest method of inspecting your pipelines, with the ability to survey several hundred miles of line per day. LaSen will review several commercially available airborne technologies detailing the pros and cons of each.

10:45-11:05 a.m.

Break

Consumers Energy Damage Prevention and Public Safety Outreach Program

11:05-11:50 a.m.

Dirk Dunham, CMS Energy

Lisa Douglas, CMS Energy

Consumers Energy has created a public safety outreach team focused not only on preventing damages to gas and electric facilities but also on some additional public safety elements. Come and hear about recent damage prevention activities and projects, such as excavator outreach and education. In addition, information will be shared about how this team works with emergency first responders to coordinate activities in response to public safety incidents.

Emergency Response and Incident Command System (ICS)

11:50 a.m.-

Aaron Kantor, CMS Energy

1:00 p.m.

Darryl Williams, TransCanada

Aaron and Darryl will present an overview of their companies Emergency Management Programs and use of ICS. They will also discuss how they measure the effectiveness of their programs.

1:00-1:20 p.m.

Break

Landfill Gas Monitoring in Dry Distribution System

1:20-1:50 p.m.

Frenae Smith, DTE Energy

There is an increased interest in diversifying the natural gas supply with unconventional gases such as biogas and landfill gas. This presentation will discuss the unique challenges to accept these new gas sources and ensure pipeline gas quality with unique monitoring systems.

MPSC Risk Based Inspections & Inner Workings

1:50-2:10 p.m.

Kyle Friske, Michigan Public Service Commission

Brian Gauthier, Michigan Public Service Commission

The risk based inspection / inner workings presentation will be a status update on the MPSC's focus on developing an inspection schedule based on risk.

Closing Remarks and Conference Wrap Up

2:10-2:30 p.m.

David Chislea, Michigan Public Service Commission

Submit Online Evaluations and CEU Certifications.

2:30 p.m.

Conference Adjourned



DAMAGE PREVENTION TRACK - BREAKOUT SESSIONS
Conference Rooms B-C / Maximum Capacity: 49

Breakout session seating is filled on a first-serve basis. Please select an alternate session in each time slot in the event that your first choice session is full. For the safety of all attendees, we must observe maximum capacity regulations.

TUESDAY, SEPTEMBER 27 | 7:30 a.m. - 3:30 p.m.

MISS DIG System 811

7:30-9:25 a.m.

Bruce Campbell, MISS DIG System, Inc.

Damage Prevention: • Mapping, Managing MISS DIG Accounts • MISS DIG Certification • Positive Response Reports (established by 2015 SDP grant • Positive Response • Facility owner must be on-site? • Web ticket entry • Web TMS (established by 2015 SDP Grant) • Misuse of ticket priority codes, and more.

9:25-9:45 a.m.

Break

MISS DIG System 811

9:45-11:15 a.m.

Bruce Campbell, MISS DIG System, Inc.

Damage Prevention: • Mapping, Managing MISS DIG Accounts • MISS DIG Certification • Positive Response Reports (established by 2015 SDP grant • Positive Response • Facility owner must be on-site? • Web ticket entry • Web TMS (established by 2015 SDP Grant) • Misuse of ticket priority codes, and more.

11:15 a.m.-12:15 p.m.

Lunch Buffet

Legacy Cross Bore Investigations

12:15-12:45 p.m.

Jerome Kotecki, Consumers Energy

The purpose of the Legacy Cross Bore Investigation Program is to search for installation conflicts between Sewer Lines and Gas Lines. The presentation will include the steps taken to develop a program including office investigation, field investigation, prevention, and found cross bore resolution.

Project Staking; An Operators' Perspective and Successes Achieved

12:45-1:15 p.m.

Dirk Dunham, Consumers Energy

Consumers Energy implemented the use of Project Stakers during the 2014 and 2015 construction seasons. These project stakers are tasked with providing enhanced staking services and monitoring excavation contractors' safe digging practices near our gas facilities. Damage statistics have been collected on projects where project stakers have been assigned. The project data has been compared with data from projects without project staking. This presentation will summarize our experience with project staking and the results of the data comparisons.

1:15-1:35 p.m.

Break

MPSC Damage Prevention Statistics and Enforcement

1:35-3:10 p.m.

Cindy Creisher, Michigan Public Service Commission
Jeff Quirante, Michigan Public Service Commission

This presentation will discuss the Commission's damage prevention program under Public Act 174 of 2013.

3:10-3:30 p.m.

Break



DISTRIBUTION TRACK - BREAKOUT SESSIONS
Conference Room D / Maximum Capacity: 56

Breakout session seating is filled on a first-serve basis. Please select an alternate session in each time slot in the event that your first choice session is full. For the safety of all attendees, we must observe maximum capacity regulations.

TUESDAY, SEPTEMBER 27 | 7:30 a.m. - 3:30 p.m.

American Society of Mechanical Engineers (ASME) B31Q (Pipeline Personnel Qualification) Update - Future Rules - Potential Changes (if final) to Rule for 192.305

7:30-8:00 a.m. **Richard Stump, Midwest Energy Association**
The July 2015 PHMSA NPRM is a likely game changer for the OQ Rule and while the final rule has not yet been issued, the proposed changes will require operators and contractors to significantly re-shape their OQ Programs. The presentation will review these proposed changes and consider the challenges involved with meeting these new requirements. The discussion will also include a review of the ASME B31Q standard and it's potential to serve as a national OQ standard.

8:00-8:10 a.m. Intermission

Process to Create Common Gas Standards, Materials, and Pipeline Safety Compliance Expectations across Multiple Utilities of the WEC Energy Group

8:10-8:40 a.m. **Tim Strommen, We Energies**
Chris Gigot, We Energies
Darin Vreugdenhil, Wisconsin Public Service
This presentation will include an overview of the WEC Energy group utilities which operate in four (4) states (MI, WI, IL and MN), organizational considerations, strategy for development and distribution of common gas standards and procedures, process for assessing and implementing material approvals, and coordination of pipeline safety compliance issues to gain efficiencies and enhance performance.

8:40-8:50 a.m. Intermission

Investigating Reports of Inside Leaks

8:50-9:25 a.m. **John Lueders, DTE Gas Company**
This presentation summarizes the approach to leak investigation of one gas pipeline operator.

9:25 9:45 a.m. Break

Gas Service Lines Connected to Non-distribution Facilities

9:45-10:15 a.m. **Cindy Creisher, Michigan Public Service Commission**
Tim Wolf, Michigan Public Service Commission
This presentation will discuss the Commission's own motion related to gas service lines connected to non-distribution facilities.

Maximum Allowable Operating Pressure (MAOP), Establishing MAOP

10:15-11:15 a.m. **Tim Wolf, Michigan Public Service Commission**
A discussion on the current rule (192.619) to establish MAOP.

11:15 a.m.-12:15 p.m. Lunch Buffet



DISTRIBUTION TRACK - BREAKOUT SESSIONS
Conference Room D / Maximum Capacity: 56

Breakout session seating is filled on a first-serve basis. Please select an alternate session in each time slot in the event that your first choice session is full. For the safety of all attendees, we must observe maximum capacity regulations.

TUESDAY, SEPTEMBER 27 | 7:30 a.m. - 3:30 p.m.

Distribution Integrity Management Programs (DIMP)

12:15-12:45 p.m.

Kyle Friske, Michigan Public Service Commission
Tim Wolf, Michigan Public Service Commission

The DIMP presentation will be an overview of the regulations and past and present inspections of these rules. There will be a focus on what the current inspection cycle is looking at as well as specifically covering what is required to be in the plan and what records must be available for inspection.

Master Meter Regulations - Federal & State Differences

12:45-1:15 p.m.

Kyle Friske, Michigan Public Service Commission

The master meter presentation will be an overview on the differences between the federal regulations and MPSC requirements for master meter systems. Draft guidance material will be discussed.

1:15-1:35 p.m.

Break

Plastic Piping Information: • General Polyethylene (PE), Polyamide (PA) Concerns and Safety Issues Including Failures • Ultraviolet (UV) Light Exposure, Outdoor Exposure and Temporary Above Ground Installations • Hydrocarbon Permeation of PE

1:35-3:10 p.m.

Harold Winnie, DOT/Pipeline and Hazardous Material Safety Administration

General Discussion on fusion of PE and PA plastic pipe including failure investigations, installation issues, UV exposure including changes and limitations when installed above ground, and issues/concerns with hydrocarbon permeation of PE pipe.

3:10-3:30 p.m.

Break



GENERAL CODE COMPLIANCE TRACK - BREAKOUT SESSIONS
Conference Rooms E-F / Maximum Capacity: 63

Breakout session seating is filled on a first-serve basis. Please select an alternate session in each time slot in the event that your first choice session is full. For the safety of all attendees, we must observe maximum capacity regulations.

TUESDAY, SEPTEMBER 27 | 7:30 a.m. - 3:30 p.m.

Title – 49 CFR Part 192, Basics of the Federal Gas Pipeline Safety Regulations

7:30-9:25 a.m.

Wayne St. Germain, Pipeline and Hazardous Material Safety Administration

The overall structure and use of the federal pipeline safety regulations. The discussion will include: what does it mean to be retroactive, can I interpret one rule without consideration of other rules, what is incorporated by reference, and how do I get involved in rule making.

9:25-9:45 a.m.

Break

Two Part Discussion on Odorization Issues and Specificity of Procedures

9:45-11:15 a.m.

Wayne St. Germain, Pipeline and Hazardous Material Safety Administration

Part 1 – A deeper dive into concerns and issues found with the odorization of gas. Part 2 – How to write procedures so they meet the requirements of the regulators and are valuable to the employees.

11:15 a.m.-12:15 p.m.

Lunch Buffet

MPSC Operator Qualification Program Inspections

12:15-12:45 p.m.

Eleanor Mundorf, Michigan Public Service Commission

Paul Shapter, Michigan Public Service Commission

MPSC staff will share the Operator Qualification Inspection results and recommendations.

Human Factors and the DTE Gas Control Room

12:45-1:15 p.m.

John Sikorski, DTE Energy

DTE Gas opened a new Gas Control Room in May of 2016. The presentation will highlight enhancements related to control room management and human factors that were considered in the design.

1:15-1:35 p.m.

Break

Operations and Maintenance Requirements for Small Operators

1:35-3:10 p.m.

Wayne St. Germain, Pipeline and Hazardous Material Safety Administration

What do small operators need to do to comply with 49 CFR Part 192 Subparts L and M.

3:10-3:30 p.m.

Break



TRANSMISSION TRACK - BREAKOUT SESSIONS

Conference Rooms E-F / Maximum Capacity: 63

Breakout session seating is filled on a first-serve basis. Please select an alternate session in each time slot in the event that your first choice session is full. For the safety of all attendees, we must observe maximum capacity regulations.

TUESDAY, SEPTEMBER 27 | 7:30 a.m. - 3:30 p.m.

What is Stress Corrosion Cracking? (SCC 101)

7:30-9:25 a.m.

Jim Marr, TransCanada Pipelines

Recent Incidents and Analysis Tools for SCC; Electromagnetic Acoustic Transducer (EMAT) Tool & Spike Test.

9:25-9:45 a.m.

Break

Welding – Quality Concerns & In-Service Welding

9:45-10:45 a.m.

Jarrold Sanborn, Consumers Energy

The Michigan Gas Safety Standard requires the use of qualified welding procedures. Procedures shall be qualified to ASME IX or API 1104 20th edition including Appendix A or Appendix B, whichever is applicable to the function of the weld. Appendix B In-Service Welding is intended to address hydrogen cracking and burn-through potential. When evaluating these concerns welding processes and electrode selection should be optimized to address system quality issues and employee safety. Balancing GMAW and SMAW utilizing solid wire, cellulosic and low hydrogen electrodes is necessary when managing risk on high yield strength materials, older pipe materials and in-service welding.

Installation of Remote Control Valves (RCV) in Gas Transmission Pipelines

10:45-11:15 a.m.

Kayode Dawodu, DTE Energy

Remote Control Valves offer a means of effecting quick isolation of pipeline segments in the event of pipeline emergencies involving release of gas. This presentation will cover regulatory drivers, design and operational considerations in the implementation of RCV program to mitigate pipeline risk.

11:15 a.m.-12:15 p.m.

Lunch Buffet

Underground Natural Gas Storage - Past, Present & Future

12:15-12:45 p.m.

Catherine Washabaugh, Pipeline and Hazardous Material Safety Administration

Underground Natural Gas Storage has evolved over the past few decades. As storage facilities have aged, encroachment of facilities has also taken place. Alongside this, climate-motivated requirements for methane containment have increased. Implementing minimum safety regulations is a necessity to assure Operator responsibility for understanding, safely managing, and communicating the risks and changes (safety conditions) associated with their pipelines and related underground storage facilities. Today we will review where we have been, where we are now, and what the future holds in establishing minimum safety standards (regulations), and verifying that the operators perform to these standards.

Natural Forces – Recent River Failures and What Caused the Yellowstone River Failure

12:45-1:15 p.m.

Harold Winnie, DOT/Pipeline and Hazardous Material Safety Administration

A review of several recent River Failures including two on the Yellowstone River and what caused them. What can be done to prevent failures!

1:15-1:35 p.m.

Break



TRANSMISSION TRACK - BREAKOUT SESSIONS
Conference Rooms E-F / Maximum Capacity: 63

Breakout session seating is filled on a first-serve basis. Please select an alternate session in each time slot in the event that your first choice session is full. For the safety of all attendees, we must observe maximum capacity regulations.

TUESDAY, SEPTEMBER 27 | 7:30 a.m. - 3:30 p.m.

Transmission Integrity Management Programs (TIMP)

1:35-2:00 p.m.

Kyle Friske, Michigan Public Service Commission

The TIMP presentation will be an overview of the inspection cycle for IMP and recent findings from inspections. The focus will be on significant and recurring issues.

Continuous Improvement of Your Integrity Management Program

2:10-3:10 p.m.

Sean Bingham, Praxair, Inc.

If your Integrity Management Program is in good shape, then it is no longer in good shape. Continuous improvement is best achieved through added diversity of thought within the basic Integrity Management process. A number of strategies can be devised to enhance an Integrity Management program in order to achieve specific bottom-line results.

3:10-3:30 p.m.

Break

PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**Brian Ballinger, Director
Operations & Wholesale Markets Division
Michigan Public Service Commission**

Brian graduated from Olivet College with a bachelor's degree in Economics and a master's degree in Finance from Central Michigan University. He is a long term public servant with over forty years of experience in various regulatory positions and responsibilities at the Commission.

The Operations & Wholesale Markets Division provides the Commission with technical assistance, recommendations on electric and natural gas services, and issues necessary to ensure that regulated electric and natural gas services are provided in a safe, reliable, and efficient manner to enhance Michigan's competitive economic environment.

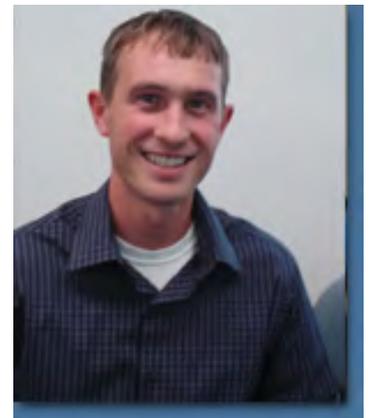
The division is also accountable for monitoring federal and regional electric and natural gas issues, and recommending policy proposals at the federal and regional levels. Three (3) sections comprise the Operations & Wholesale Markets Division: Electric Operations, Gas Operations, and Smart Grid.



**Taylor Becker, Gas Safety Engineer
Gas Operations
Operations & Wholesale Markets Division
Michigan Public Service Commission**

Taylor Becker graduated from Lawrence Technological University in 2012 with a Bachelor of Science in Engineering Technology. He has been with the MPSC since October of 2012. Prior to joining the Commission as a gas safety engineer, he worked 10 months with the Commission in the Electric Reliability Division. Prior to joining the MPSC, Taylor worked as a Co-Op for the Department of Transportation where he worked inspecting bridges, gathering soil samples on the boring crew, and testing soils and geotextiles in the central soils lab.

At the MPSC Taylor is responsible for performing inspections on the gas operators from Northwest Lower Michigan to Southwest Lower Michigan and Central Michigan. He lives and works out of the Lansing area, where he resides with his wife and daughter.



PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**Sean Bingham, Pipeline Regulatory Specialist
Praxair, Inc.**

Sean Bingham is the Pipeline Regulatory Specialist for Praxair, Inc., where he maintains compliance and integrity management programs for the northern half of the United States. Before joining Praxair, Sean graduated from the United States Naval Academy with a Bachelor of Science in Physics and was commissioned as an officer in the United States Navy. He served aboard the USS Providence (SSN-719) nuclear attack submarine for two overseas deployments to the Middle East and the Western Pacific.

On the Providence, he managed various audit & surveillance and risk management programs designed to maintain the integrity of the nuclear propulsion plant. After his deployments, he served as an associate professor at Morehouse College where he taught Naval Engineering. Now in the Navy Reserve, he serves as second in command of an expeditionary maintenance unit out of Great Lakes, IL, where he sends maintenance technicians around the world to repair deployed submarines. He currently lives with his wife and son outside of Chicago.



**Bruce Campbell, CEO
MISS DIG System, Inc.**

Bruce has a bachelor of science degree in Engineering from Michigan State University. He has testified before the Senate Energy and Technology Committee and the 21st Century Infrastructure Committee on behalf of the MISS DIG System. Previously, declared an expert witness for excavation, construction and safety and testified on the aforementioned topics.

He is the MISS DIG System Board representative to the Michigan Damage Prevention Board, and One Calls of America, Inc., a member on the One Call Systems International Data Committee, Common Ground Alliance Stakeholder Advocacy Legislative Awareness Committee, and the Common Ground Alliance Data Reporting and Education Committee, and Chairman of the Board of Norfield Development Partners.

Bruce participates in numerous other professional organizations including: American Public Works Association, Auburn Hills Chamber of Commerce, Construction Association of Michigan, Delta County Chamber of Commerce, Michigan Association of County Drain Commissioners, Michigan Chamber of Commerce, Michigan Infrastructure and Transportation Association (MITA), Michigan Electric and Gas Association, and the Michigan Township Association.

Special Qualifications: Formerly a member of the excavation community, where he helped establish the Genesee Area Damage Prevention Association, promoted an excavator seat on the MISS DIG Board of Directors, and was the first excavator elected to the MISS DIG Board.



PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**David Chislea, Manager
Gas Operations
Operations & Wholesale Markets Division
Michigan Public Service Commission**

David graduated from Michigan Technological University in 1993 with a bachelor's degree in Civil Engineering.

He began working for the MPSC in 1994 as an engineer, auditing natural gas utilities and pipeline companies for compliance with the Michigan Gas Safety Standards. His responsibilities included ensuring compliance with construction, design, operation and maintenance, and risk based integrity management program requirements. David was appointed to Manager of the Gas Operations section at the Commission in 2011.

The Gas Operations section has responsibilities for enforcement of the Michigan Gas Safety Standards, underground utility damage prevention, pipeline siting cases, natural gas production, gas distribution franchises, Technical Standards for Gas Service, natural gas storage, and related issues in natural gas utility rate cases. The section is comprised of 12 staff; currently 11 engineers and one (1) analyst.

David is a member of the National Association of Pipeline Safety Representatives (NAPSR) and a member of the Staff Subcommittee on Pipeline Safety with the National Association of Regulatory Utility Commissioners (NARUC).



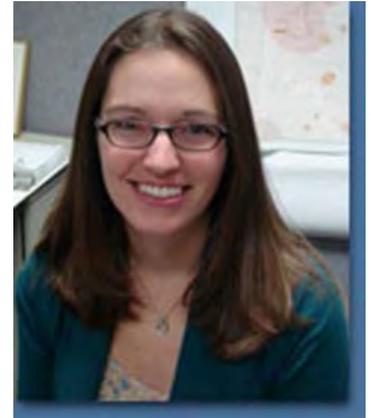
**Cindy Creisher, Public Utilities Engineer
Gas Operations
Operations & Wholesale Markets Division
Michigan Public Service Commission**

Cindy Creisher graduated from GMI Engineering and Management Institute with a Bachelor of Science in Mechanical Engineering with a specialty in plastic product design. She has been with the MPSC since February 2009. Cindy is responsible for review of gas utility rate cases, customer attachment programs, administration of the MPSC gas safety database application, and assisting with administration of the natural gas base grant for federal funding of the gas MPSC's gas safety program. Prior to joining the Commission, Cindy worked in the manufacturing industry as a Product Design Engineer responsible for the development of DC motors for automotive and other commercial applications.



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**Heather David, Gas Safety Engineer
Gas Operations
Operations & Wholesale Markets Division
Michigan Public Service Commission**



Heather David graduated from Michigan Technological University in 2005 with a Bachelor's degree in Civil Engineering and a Master's degree in Business Administration from Wayne State University. She has been with the MPSC since August of 2012. Prior to joining the Commission, she worked 7 years for Consultants in Ann Arbor as a Civil Engineer while performing site plan review, GIS drawings and construction inspections for various water and sewer projects. Prior to joining the MPSC, Heather became a licensed professional engineer in the State of Michigan.

At the MPSC Heather is responsible for performing inspections on the gas operators in Southeast and Mid-Michigan. She lives and works out of the Fenton area, where she resides with her husband and family.

**Kayode Dawodu, Manager
Gas Integrity Management
DTE Energy**



Kayode Dawodu holds bachelor, master and doctorate degrees in Chemical Engineering, and is a registered professional engineer in the state of Michigan. He joined MichCon Gas Company (now DTE Gas) in 1995 as a process engineer.

Between 1995 and 2006, he progressed through the engineering career track, working on various projects including compressor station and gate station upgrades, dehydration and hydrocarbon recovery plants, CO₂ removal plants, major pipeline and compressor station additions, as well as providing technical support to transmission operations.

He was promoted to Supervising Engineer position in 2006. From July 2007 to Dec 2010, he assumed responsibility for managing DTE Gas transmission and storage operations in Romeo/Milford region. In January 2011, he was appointed as Manager for Transmission Engineering with responsibility for design of transmission facilities, technical support of transmission operations and oversight of transmission integrity management program (TIMP).

Following a re-organization in 2016, he became the Manager for DTE Gas Integrity Management with responsibility for development, implementation and enhancement of TIMP and Distribution Integrity Management Program (DIMP).

PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**Lisa Douglas, Public Safety Outreach Consultant - Lead
Public Safety Outreach & Damage Prevention
Consumers Energy**

Lisa Douglas leads the Public Safety Outreach & Damage Prevention Team at Consumers Energy. Lisa has a B.S. in Industrial & Environmental Health Management from Ferris State University.

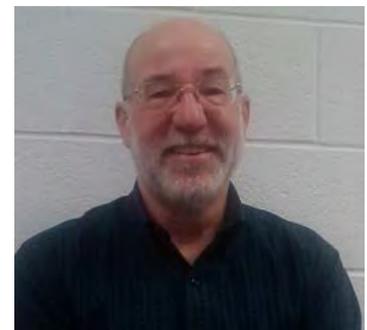
Prior to joining Consumers Energy 7 years ago, she worked as a safety director in the construction industry and as a Compliance Safety & Health Officer for the U.S. Department of Labor – OSHA.



**Dirk Dunham, Manager
Public Safety Outreach & Damage Prevention
Consumers Energy**

Dirk Dunham is the Damage Prevention and Public Safety Outreach Manager at Consumers Energy. He has a BS in Civil Engineering from Michigan State University. He joined Consumers Energy in 1979 and has been involved in numerous aspects of gas distribution and transmission including construction, maintenance programs, metering, engineering design and mapping.

Dirk's current role at Consumers Energy is focused on Pipeline Public Awareness and Damage Prevention. He is the Board Chairman at MISS DIG Systems, Inc. and a Director of the Michigan Damage Prevention Board.



**Kyle Friske, Gas Safety Engineer
Gas Operations
Operations & Wholesale Markets Division
Michigan Public Service Commission**

Kyle Friske graduated from the University of Michigan in 2009 with Bachelor's degrees in Civil Engineering. He has been with the MPSC since August of 2013. Prior to joining the Commission he worked for engineering consultants designing road, sewer, and water main projects and also performing construction inspections and materials testing. Kyle is a licensed Professional Engineer in the State of Michigan.

At the MPSC Kyle is responsible for performing inspections on various gas operators in Michigan, with an emphasis in Integrity Management. He lives and works out of the Brighton area, where he resides with his wife and family.



PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**Brian Gauthier, Gas Safety Engineer
Gas Operations
Operations & Wholesale Markets Division
Michigan Public Service Commission**

Brian Gauthier graduated from Lawrence Technological University in Southfield with a Bachelor's degree in Construction Engineering. He has a Professional Engineer's license from the State of Michigan and has been a Gas Safety Engineer for their Public Service Commission (PSC) since August of 2013. Prior to joining the PSC he worked for two decades at Southeast Michigan consulting firms as a civil/infrastructure engineer and project manager; there/then he served on road, utility, bridge, airport and building projects. His activities spanned from planning, though detailed design, to construction engineering.

At the PSC, Brian is responsible for performing inspections of the gas operators in Southeast Michigan and all across the U.P. He lives and works out of the Downriver Detroit area, where he resides with his wife and family.



**Mark Handy, Vice President
LaSen, Inc.**

Mark Handy is a Vice President at LaSen, Inc. Mark's areas of responsibility are primarily the day-to-day operations of LaSen and research and development.

Mark has more than 18 years of experience working in high tech industries (Motorola - satellite and cell phone communications and military electronics – geolocation of cell and 802.11 products). He received a bachelors in Electrical Engineering from Brigham Young University and a master's degree from National Technology University. Mark has been with LaSen for last 5 years, first as a consultant and then for the last 3 years as Vice President.



PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**Julie Hegedus, Director
Regulatory Compliance
Energy Delivery Department
Consumers Energy**



Julie Hegedus is the Director of Regulatory Compliance in the Energy Delivery department of Consumers Energy. She was named to this position in December of 2014.

Julie began her career at Consumers Energy in 2008, and has held several leadership positions. She worked as Director of System Integrity with responsibility for leading the implementation of the transmission and distribution integrity management programs. She has also been responsible for leading the inline inspection team in Livonia, managing inspections in Royal Oak and implementing the Management of Change and Quality Assurance Process.

From 2003-2008, Julie held various leadership roles at DTE Energy, moving through the company from laboratory services professional to manager of gas operations.

Julie has been co-leading the Women's Engineering Network at Consumers Energy in 2013-2015. The Women's Engineering Network is dedicated to creating a network of women in engineering, but more inclusively those in the fields of Science, Technology, Engineering, and Math or STEM. Julie is highly passionate about the professional development of young engineers and mentors several within Consumers Energy.

Julie holds a Bachelor's of Science in chemical engineering from Wayne State University and Master of Science from the school. She is also a graduate of Consumers Energy Mid-Level Leadership Institute and the Leadership Academy.

**Russell Jennett, CEO/President
LaSen, Inc.**

Russell (Rusty) Jennett is a co-founder of LaSen, Inc. He attended Texas Western College and Saint Mary's Law School. After his education he was involved in commercial real estate and the formation of financial business partnerships.

In 1988 he and Allen Geiger incorporated LaSen, Inc. for the purpose of developing remote detection systems for the Department of Defense. In 2002 while delivering and demonstrating a system to Wright Patterson Air Force he was asked if the system could be put on an air frame for the inspection of hydrocarbon pipelines. This question came from the Department of Transportation and ended with a contract from PHMSA to design, develop and complete what is now known as the Airborne LiDAR Pipeline Inspection System (ALPIS). During this same time frame 2003, Mr. Jennett purchased Mr. Geiger's interest in LaSen. Work began in September of 2003 and was completed in November 2004. Commercial activity began with the four key people in January 2005 and since that time LaSen has inspected over 225,000 miles of pipeline and now has twenty employees.



PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**Aaron Kantor, Director
Emergency Management
Consumers Energy**

Aaron started with Consumers Energy in November of 2009, and currently is the Director of Emergency Management and Public Safety. Aaron's team is responsible for the Company "All Hazards" approach to emergency management to include emergency preparedness, business continuity and the integration of the Incident Command System (ICS) into incident response across key parts of the business. Prior to Aaron's current role, he was the Manager of the Public Safety Outreach and Damage Prevention team. This team serves as the primary point of contact for County emergency managers and public sector first responders during significant events to ensure close coordination and operational alignment.

Prior to joining Consumers Energy, Aaron served for 15 years with the Jackson Police Department, where he served as the Patrol Operations Commander and the commander of the Jackson county-wide SWAT team.

Aaron holds a Bachelor of Arts degree from the University of Michigan, in addition to being a graduate of the Federal Bureau of Investigation (FBI) National Academy (223rd Session) and the Michigan State University School of Staff and Command.



**Jerome F. Kotecki, Senior Engineering Technical Analyst
Regulatory Compliance Team
Consumers Energy**

Jerome is a Senior Engineering Technical Analyst for Consumers Energy. Jerome has been a part of the Regulatory Compliance Team at Consumers Energy for 8 years and is responsible for managing the Gas Transmission Integrity Management Program – Management of Change and Quality Assurance Procedures, Pipeline Public Awareness Program review, and managing the Legacy Cross Bore Investigation Program.

Prior to this Jerome was part of the Fleet Management Team at Consumers Energy for 20 years. Jerome has a Bachelor of Science degree from Western Michigan University.



PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**Troy Lowe, Intelligence Operations Specialist
Transportation Security Administration
Office of Intelligence**

Troy is a Counter-terrorism analyst with TSA's Office of Intelligence and Analysis, focusing on the threat to Pipelines. He has been with the TSA Office of Intelligence for 5 years.

Prior to coming to the TSA, Troy worked as a Software Developer for the Janus Corporation developing the Interactive Multimedia Images to facilitate interactive training on multiple Intelligence tools for the Department of Defense as well as training tools for the Department of Energy.

Troy began his career with the U.S. Army as an Intelligence Analyst. During his career was deployed to numerous operations. His last two deployments were as a Combat Advisor to Iraq and Afghanistan militaries. He also deployed in support of Non - Combatant Evacuation in Beirut, Lebanon in 2006.

Troy is from New York, currently lives in Falls Church, VA. He received a Master's Degree in Marketing Management from Strayer University in Washington D.C., and a Bachelor's degree in Sociology from Upper Iowa University in Fayette, Iowa. He earned a Project Management Certification (PMP) from George Mason University, Fairfax, VA.



**John Lueders, Compliance Engineer
Codes & Standards Department
DTE Gas Company**

John Lueders is Principal Engineer in DTE Gas Company's Codes & Standards department. John is responsible for review of regulatory activities affecting the gas pipeline industry and assimilating changes in regulatory requirements into the DTE Gas O&M Plan. John has previously served in various professional and managerial roles at DTE Gas and its predecessor Michigan Consolidated Gas Company in Distribution Engineering and in Operations. John has over 38 years of experience in the gas pipeline industry, including over 16 years in pipeline regulatory compliance.

John received his Bachelor of Science degree in Civil Engineering from the Michigan State University, and is a licensed Professional Engineer in the State of Michigan. John serves as a Main Body voting member and as Chairman of the Distribution Division of the Gas Piping Technology Committee responsible for development of GPTC ANSI Z380.1, the Guide for Gas Transmission, Distribution and Gathering Piping Systems. John is a member of the National Society of Professional Engineers and the Michigan Society of Professional Engineers, and former Chairman of the Michigan Electric & Gas Association Gas Operations Committee.

John is married to Ruth and lives in Rockford, Michigan. They have two children, and were recently blessed with their first grandchild.



PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**Stephen Makowski, Manager
Codes & Standards Department
SEMCO ENERGY Gas Company**

Steve is a graduate of Michigan Technological University (MTU) with a bachelor's degree in Civil Engineering and is a Licensed Professional Engineer in the State of Michigan.

Upon graduation from MTU in 1980, Steve entered into the natural gas utility business and has held many roles of responsibility in the areas of Engineering, Operations, Safety, Training, and Code Compliance.

Steve currently coordinates all MPSC safety regulatory compliance audits on a state wide basis for SEMCO ENERGY Gas Company (SEMCO). He is based out of the SEMCO Headquarters in Port Huron, Michigan.



**Jim Marr, Manager
USA SCC Program Planning
TransCanada Pipelines**

Jim Marr is presently the USA SCC Program Planning Manager for TransCanada Pipelines. He was formally responsible for North America.

Previously, he was President of the pipeline consulting firm "Marr Associates Pipeline Integrity Ltd". Jim has worked globally in the field of pipeline integrity for the past 32 years with a focus on the threat of SCC.

He graduated in 1986 with a Honors B.Sc in Earth Sciences from the University of Guelph, located in Guelph, Ontario. He is a member of the NACE and PRCI and NDE certified by the CGSB and a NACE Level 2 coating inspector. He was also past vice chair (twice) of the NACE SCC DA committee.



**Eleanor Mundorf, Gas Safety Engineer
Gas Operations
Operations & Wholesale Markets Division
Michigan Public Service Commission**

Eleanor Mundorf has a BS in Industrial Engineering and a MS in Technology Management from South Dakota School of Mines and Technology and a JD from the University of Toledo. She has been with the MPSC since September 2014.

Eleanor is currently responsible for performing inspections of gas operators in the State of Michigan.

PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**Michael Parran, Strategic Innovation Manager
Consumers Energy Innovation Center
Consumers Energy**

Michael Parran joined Consumers Energy in January 2015 in their Strategic Innovation Group. He is tasked with working with internal and external partners to identify and validate technologies and processes that strategically align with the company's business goals.

Prior to joining Consumers Energy, Michael lead new business development initiatives for a Puerto Rican-based firm focused on expanding its renewable energy and energy efficiency business into the Caribbean and United States.

Michael holds a MBA from MIT Sloan School of Management, MS in Electrical & Computer Engineering from Georgia Institute of Technology, and BS in Computer Engineering from Kettering University.



**Jeff Quirante, State Damage Prevention Engineer
Gas Operations
Operations & Wholesale Markets Division
Michigan Public Service Commission**

Jeff Quirante graduated from Cebu Institute of Technology - University in the Philippines with a Bachelor's degree in Mechanical Engineering. He has been with the MPSC since November of 2008.

Prior to joining the Commission as Damage Prevention Liaison, he worked 7 years with the Commission in the Regulated Energy Division. Prior to joining the MPSC, Jeff worked 3 years with the Bureau of Construction Codes as a Mechanical Plan Reviewer/Inspector conducting various plan review and inspection of mechanical projects.

His past career experience also includes working in the design, project management and installation of HVAC and Fire Protection projects for 15 years.

At the MPSC, Jeff is responsible for facilitating the State Damage Prevention program. He lives and works out of the Lansing area, where he resides with his wife and family.



PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**Jarrold Sanborn, Learning Specialist
Welding Subject Matter Expert
Consumers Energy**

Jarrold creates and reviews welding procedures representing pipeline engineering and compliance as welding SME. He trains employees on welding processes and welding Inspections relating to C.F.R. regulations, API 1104 and ASME IX. Jarrold is also the welding standards and welding inspection manuals owner, creating sections and revisions acting as liaison between company and the Michigan Public Service Commission regarding welding related issues.

Jarrold attended the G.R.C.C. Welding Technology program, H.I.W.T Skills and Technical programs, Lincoln Electric School of Welding Technical programs, and various technical offerings by the American Welding Society, American Petroleum Institute and Pipeline Research Council International. Acquired AWS CWI/CWE in 2002.

**Paul Shapter, Gas Safety Engineer
Gas Operations
Operations & Wholesale Markets Division
Michigan Public Service Commission**

Paul Shapter graduated from Michigan Technological University in 2000 & 2001 with a Bachelor's and Master's degree in Civil Engineering.

He has been with the MPSC since September 2014. Prior to joining the Commission, he worked 14 years for consulting firms.

Paul is currently responsible for performing inspections for gas operators in the State of Michigan. He works out of the Lansing office.



PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**John Sikorski, Manager
Gas Control
DTE Gas Company**



I graduated from Michigan State University in 1995 with a Bachelor of Science degree in Chemical Engineering. That same year, I hired into ANR Pipeline as a Facility Planning Engineer working on system flow models of ANR's Pipeline System.

In June 2001, I hired into DTE Energy as a System Planning Engineer working on the DTE Gas System Model, modeling and optimizing its transmission, compression, and storage operations. I was promoted to Supervisor of the System Planning group in January of 2011, supervising the Planning Engineers and managing the Capital Budget for DTE Gas.

In June 2013 I moved into Gas Control as Supervisor, heading up the day to day operations of the system and overseeing the Gas Controllers. I became the Manager of Gas Control in December 2014 and continue in that role today overseeing system operations as well as our Control Room Management plan.

**Frenae Smith, Manager
Codes & Standards and Laboratory
DTE Energy**



Frenae Smith is employed at DTE Energy and is the Manager of Codes and Standards and Laboratory Services. In 2009, she led her Laboratory in becoming the First Energy Lab in the United States to receive The American Association for Laboratory Accreditation (A2LA) ISO 17025 Accreditation.

In 2012, she help facilitate and design the first distribution pipeline to accept processed landfill gas for DTE Energy.

In addition, she belongs to other organizations such as the American Gas Association, Midwest Energy Association, the Engineering Society of Detroit, the Society of Women Engineers, and DTE Energy's Women's Leadership Forum.

She helps mentors the youth by volunteering her time to Future Cities, Engineering SMARt Detroit, and the Michigan the Girl Scouts in southeastern Michigan.

Ms. Smith is also active with United Way and Junior Achievement Job Shadowing Program, where annually she coordinates approximately 75 high school students with an on-site career day at DTE Energy.

Frenae is a graduate of Wayne State University and has a BS in Chemical Engineering and Material Science and MS in Chemical Engineering and Project Management.

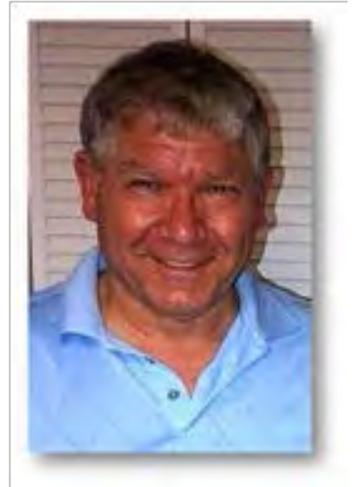
PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**Wayne F. St. Germain, Pipeline Safety Specialist
U.S. Department of Transportation
Pipeline and Hazardous Material Safety Administration
Office of Pipeline Safety
Office of Training and Qualifications**

Wayne is a native of Louisiana. He's been involved in the pipeline arena (liquid and gas) for over 40 years. His experience ranges from operations and maintenance, construction, training and pipeline safety regulations.

During his time in industry he has lived from Louisiana to Houston, Texas to Wichita, Kansas -- where his daughter, her husband and his grandchildren still reside. He joined the ranks of the U.S. Department of Transportation 16 years ago as a pipeline safety specialist and instructor for the Pipeline and Hazardous Materials Safety Administration's (PHMSA) Inspector Training and Qualifications Division. He and his wife Nadine live in Yukon, Oklahoma. Wayne has also been a member of Toastmasters International since 1985, and holds their highest designations in public speaking and service.

He has been a guest speaker for such groups as the Optimist Club, Lion's Club, Rotary, the American Gas Association, National Association of Gas Consumers and the Southern Gas Association among others.

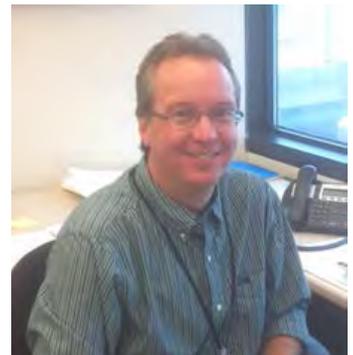


**Tim Strommen, Manager
Gas Code Compliance
We Energies**

Tim Strommen, Manager Gas Code Compliance for We Energies, has worked in various gas engineering, operations, and compliance roles in the past 26 years.

In his current position he is responsible for administration of gas manuals related to pipeline safety regulations, materials, and compliance at We Energies.

Since the acquisition of the former Integrys utilities and subsequent creation of the WEC Energy Group holding company, his role has expanded to include implementation of common operating practices and materials to achieve maximum synergies across all the gas utilities in the organization.



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**Richard Stump, Director
Compliance Programs
Midwest ENERGY Association**



As the MEA Compliance Director, Richard Stump is responsible for the overall management of the compliance issues that affect MEA's members, with a particular focus on OQ.

Richard is a member of the ASME B31Q committee and attends many additional compliance and gas operations conferences to stay abreast of the current hot issues. Richard is often asked to speak at conferences to share his views on the state of the OQ Rule and other compliance issues.

Prior to joining MEA, Richard worked for 35 years at Consumers Energy and held leadership positions with increasingly greater responsibilities. Richard's leadership positions were in a variety of different areas, including Quality Control/NDT, organizational development, marketing, project planning and training/OQ. His work included responsibilities for both gas and electric, and for generation, transmission and distribution.

Richard has an MBA from Wayne State University. He is married to Anna and they have three grownup kids and four incredible grandchildren.

**Chris Vale, Director
Business Development
Picarro**



Chris has been with Picarro since 2011, working on Picarro Surveyor and helping leading utilities with their leak survey process.

Prior to Picarro, Chris spent five years at Ingersoll Rand helping manufacturers operate more efficiently in the Bay Area.

PRESENTER BIOGRAPHIES IN ALPHABETICAL ORDER (as provided)

**Catherine Washabaugh, Staff Engineer
Pipeline and Hazardous Material Safety Administration**

Catherine joined the Pipeline and Hazardous Material Safety Administration (PHMSA) in May of 2013 as an Engineer with the Central Region Office. She conducts integrated inspections and construction inspections on both Hazardous Liquid and Natural Gas Pipelines and is also on the Underground Storage Team.

Catherine began her career in the Petroleum Engineering section of the Michigan Public Service Commission in 1982, performing reservoir engineering analysis, prorating natural gas fields and providing expert testimony in pipeline cases, proration cases and Gas Cost Recovery cases. Catherine transferred to the Gas Safety section in 1989 where she conducted comprehensive and specialized inspections on intrastate and interstate natural gas pipelines as well as investigations of pipeline failures.

Catherine helped establish multiple Damage Prevention Associations (DPA's) in Michigan in an effort to improve communication between all stakeholders. Cathy created a successful school program with other facility owners while on the Board of the Tri-County DPA, which was expanded to several areas within Michigan. Catherine was a member of the Michigan Damage Prevention Board, working on legislation for the MISS DIG Underground Facility Damage and Safety Act that became effective on April 1, 2014.

Education: Catherine received a Bachelor of Science in Geological Engineering from Michigan Technological University in 1982 and a Master in Business Administration from the University of Michigan in 1991, with a major in Operations Management.



**Darryl Williams, Emergency Management
TransCanada**

Darryl started with TransCanada in 1997, where he ran the IT Department for Great Lakes Gas Transmission. Currently, he works within Emergency Management supporting all US Natural Gas assets and technology related services. While at TransCanada, Darryl has also served in leadership roles in Governance and Security (within Corporate IT) and Business Continuity.

Prior to joining TransCanada, Darryl held various leadership positions within IT at Citizens Gas & Utility, Melvin Simon & Associates, and Marathon Oil Company.

Darryl holds a Masters of Finance degree from Indiana University and a Bachelor of Business Administration degree from Eastern Michigan University.



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**Harold R. Winnie, Inspector/Project Manager
U.S. Department of Transportation
Pipeline and Hazardous Material Safety Administration
Office of Pipeline Safety**



Harold is an Inspector/Project Manager for the Pipeline and Hazardous Material Safety Administration (PHMSA) in the Central Region Office located in Kansas City, MO.

Harold began his public service career in Kansas City, Missouri as a CATS Project Manager in 2003. He is currently a member of the CGA Technology Committee, a member of ASTM F-17 and D-20 committees, a member of the Plastic Pipe Ad Hoc Committee for PHMSA and a member of the PHMSA Plastic Pipe Rulemaking team. He was a member of the public awareness program working group (PAPWG) for PHMSA and was a task force member of the Pipeline and Informed Planning Alliance.

Harold's duties include inspecting operators for compliance with Federal Code, contributing to the pipeline safety community through consensus standards development and working with teams on the analysis of incidents for potential improvements that might increase pipeline safety.

Harold has a Bachelor of Science Degree in Electrical Engineering from the University of Missouri at Rolla and a MBA in Business from Webster University.

**Tim Wolf, Gas Safety Engineer
Gas Operations
Operations & Wholesale Markets Division
Michigan Public Service Commission**



Tim Wolf graduated from Michigan Technological University in 2005 with Bachelor's degrees in Civil Engineering and Land Surveying and is a licensed surveyor in the State of Michigan. He has been with the MPSC since June of 2011.

Prior to joining the Commission he worked 6 years for Mansfield & Associates in Traverse City as a surveyor and performing construction inspections and materials testing for various projects including Water & Sewer Construction and Environmental Clean-up.

At the MPSC Tim is responsible for performing inspections on the gas operators in Northern Lower Michigan and the Eastern UP. He specializes in Control Room Management Inspections and Inspections of Gathering Operators.

He lives and works out of the Traverse City area, where he resides with his wife and family.



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