Mike Stackhouse

Interim Vice President, Operations





Hyatt Regency Dallas

Cottober 2024



# Introductory Remarks



# **Safety Moment**



#### Antitrust compliance is everyone's responsibility

PRCI is a not-for-profit organization with a diversity of members who are competitors, suppliers and customers.

PRCI meetings and functions shall not be used as a forum to obtain unlawful individual company advantages or to achieve anti-competitive objectives for any segment of PRCI's membership.

Accordingly, PRCI requires members to avoid any conduct that might violate, or would create the appearance of a violation of, the antitrust laws.

PRCI's full antitrust quidelines are available on PRIME.







#### **Welcome New Members**

#### **Pipeline Members**







#### **EFI Members**







#### **TPAM**



### Coming in 2025

**EPRI** (PIO+EFI 2025) **South Bow** (PO 2025)



LEADING PIPELINE RESEARCH

#### Research Execution Team (Primary/Backup)



Tom Marlow
Director of Research
(I&I)



**Dorothy Lam**Quality Assurance
Program Manager



Sr. Program Manager (CO<sub>2</sub>, SOM)



Jim Wayman Sr. Program Manager (I&I, CORR,SBS)



Angie Mallahan Sr. Program Manager (DMC,SBS,MEAS)



Sr. Program Manager (EFI,CPS,UGS)



Janie Norton
Sr. Program Manager
(CORR, SOM, DMC)



Cassandra Guzik
Program Manager
(MEAS, UGS, CPS)



Mark Pelkey
Contract PM
(SRP LD)



Michael Thomas
Contract PM
(EFI,SRP GHZ)



LEADING PIPELINE RESEARCH

#### **PRCI** Team



Lance Abney
TDC Facility Operations
Manager



Beth Metzgar

Manager of

Accounting & Compliance



Kelly Bailey
Project Control Analyst &
Contract Administrator



Oscar Saleh
IT Manager



Shawna Letcher
Contract and Grants
Administrator



**Amy Merchant** *Meeting Planner* 



Anita Vigilante
Communications
Specialist



Ashly Hilton
Membership
Specialist



Emma Johnson
Administrative
Assistant (Part-Time)

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#### PRCI Team (Cont'd)



Cliff Johnson
President



Mike Stackhouse
Vice President, Operations



Zoe Shall
Executive Director,
Engagement



Gary Choquette
Executive Director,
Research



Shahani Kariyawasam
Executive Director,
Knowledge Transfer



Lesley Hamilton

Executive Assistant &

Office Administrator



**LEADING PIPELINE RESEARCH** 

## **Announcements**



Know someone who deserves to be recognized for their contributions to PRCI and the energy pipeline industry?

PRCI wants to know!

Nominations for Distinguished Service & Researchers and In-Kind Support now accepted all year





#### **2025 Photo Contest**



#### 2024 Winner

The installation process of a gas pipeline on which fiber optic sensors have been installed for safety monitoring to measure the strain and temperature all along the pipeline in real time to monitor the pipeline's integrity and safety. Special attachment way, the red tape and black wrap, is used to ensure the fiber optic sensor is installed well. Gilroy, California. 2023.

#### **Tianchen Xu**



Submit your photos to win...





#### 2025 Technical Committee and EFI Meeting Schedule

- Winter Technical Committee, EFI Meetings
  - March 3, 6-7, Royal Sonesta Houston, Texas
- Spring Technical Committee Meetings
  - May and June, Virtual
- Fall Technical Committee, EFI Meetings
  - October 20-24, TBA (Southeast USA)







#### Mike Stackhoue

*Interim Vice President of Operations* 

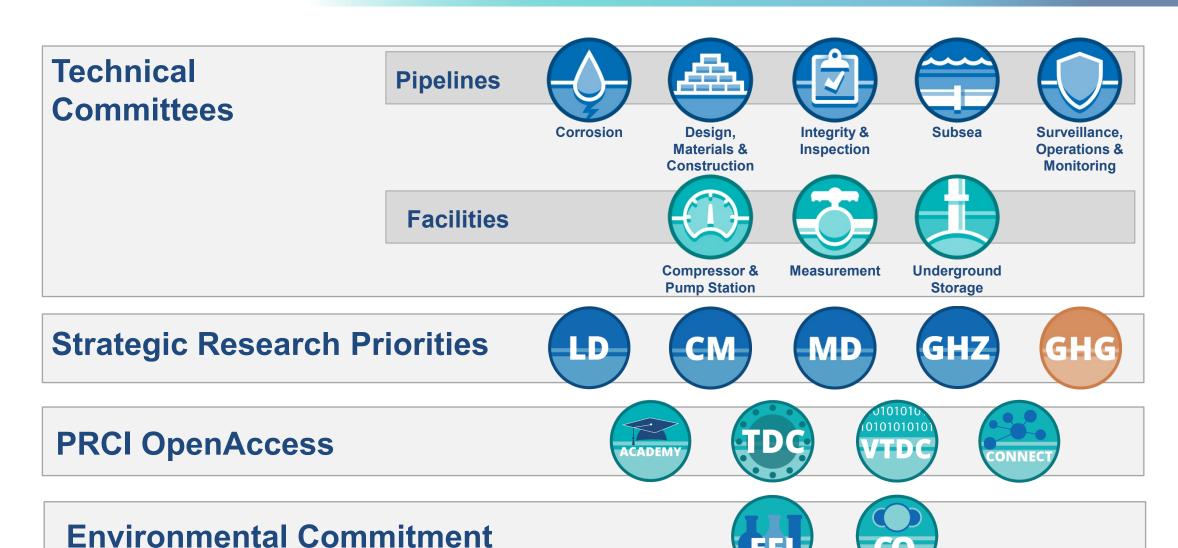
mstackhouse@prci.org



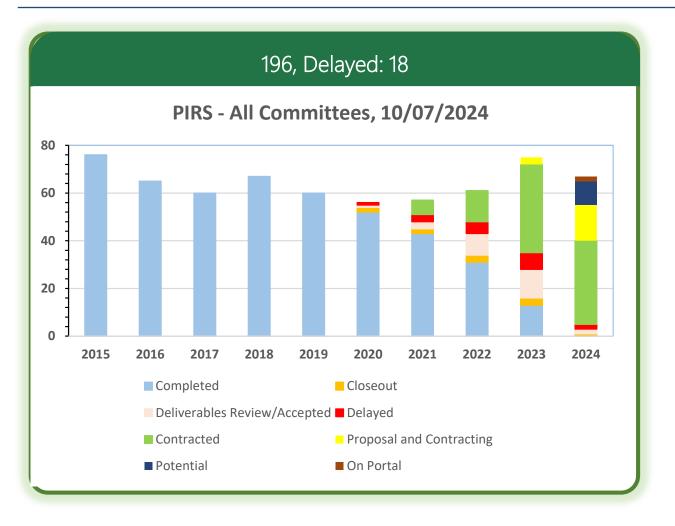
# RESEARCH EXECUTION



#### **Technical Organization**



#### **PIRS Status**



- 2019 complete
- \$3.975M in the Research Bank
- On demand funding helps facilitate getting new projects under contract quickly

#### Committee Scorecards (as of October 7)

Committee	Old Un- contracted \$	Un- contracted Projects	Delayed Projects	Deliverables Received	Deliverable Approvals Needed	Closeouts	Roadmap Development	Overall
CORR	A+	А	А	В	A+	Α	B+	А
CPS	C+	В	В	A+	В	А	А	B+
DMC	A+	A+	C+	В	Α	А	A+	А
1&1	A+	Α	B+	В	B+	B+	А	B+
MEAS	A+	B+	C+	A+	C+	А	C+	B+
SBS	A+	В	C+	A+	A+	C+	С	B+
SOM	A+	В	А	В	A+	A+	A+	Α
US	A+	B+	C+	A+	A+	B+	В	А
Overall	A+	B+	B+	А	А	B+	B+	Α

Committee	Projects						Contracts					\$ (k)			Deliveries				
Committee	Project-Yea	rs	Proj	ects	Average Years	1	Total	Unstarted	Past end	<=2022		Uncommitted	,	Uninvoiced	YTD Rece	eived	YTD PT Approved	Need PT Approval	Need TC Approval
CORR		29		15	1.93		10	2		2	5	\$ 346,475	5 \$	1,035,656		6	6	-	2
CPS		24		17	1.41		17	5			7	\$ 487,188	\$	528,059		12	11	1	2
DMC		25		16	1.56		13	-		3	3	\$ 64,503	3 \$	1,225,508		5	6	1	1
1&1		51		34	1.50		25	3	(	6	6	\$ 1,218,203	\$	2,325,524		16	14	4	-
MEAS		18		9	2.00		9	2		3	3	\$ 329,627	7 \$	531,196		9	8	1	2
SBS		4		3	1.33		1	1			1	\$ 162,140	) \$	-		6	2	-	1
SOM		19		14	1.36		10	4		2	1	\$ 879,277	7 \$	598,046		4	2	-	1
US		7		4	1.75		3	1			2	\$ 5,000	\$	452,696		2	2	-	-
Overall		177		112	1.58		88	18	22	2	28	\$ 3,492,412	2 \$	6,696,685		60	51	7	9
								· · · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·					

#### **On Demand Status**

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#### On roadmap

- 37 research ideas
- 16 funded (46%)
- 14 off-ramped or deferred (38%)

#### Off roadmap

- 13 research ideas
- 1 still working to get onto the funding portal
- 5 funded
  - 2 not funded were not selected by PHMSA

Ideas on Roadmap												
Committee	e Off- Ramped/ Deferred	Alternative Funding	e Pending Portal	On Portal	Pending RSC Review	Funded	Not funded, planned	Not funded	Total	% Funded	% In Process or Completed	
CORR	0	0	1	0	0	2	0	0	3	67%	67%	
CPS	4	1	0	0	0	4	0	1	10	50%	90%	
DMC	3	0	0	0	0	3	0	0	6	50%	100%	
1&1	5	0	1	0	0	3	1	1	11	27%	91%	
MEAS	2	0	0	0	0	1	0	0	3	33%	100%	
SBS	0	0	0	0	0	2	0	1	3	67%	100%	
SOM	0	0	0	0	0	0	0	0	0	0%	100%	
US	0	0	0	0	0	1	0	0	1	100%	100%	
(	14	) 1	2	0	0	16	1	3	37	46%	95%	

	Ideas not on Roadmap												
Committee	Off- Ramped/ Deferred	Alternativ Funding	e Pending Portal	On Portal	Pending RSC Review	Funded	Not funded, planned	Not funded	Total	% Funded	% In Process or Completed		
CORR	0	0	0	0	1	0	0	0	1	0%	0%		
CPS	0	0	0	0	0	0	0	1	1	0%	0%		
DMC	0	0	0	0	0	0	0	0	0	0%	0%		
1&1	0	1	1	0	1	1	1	1	6	33%	0%		
MEAS	0	0	0	2	0	1	0	0	3	33%	0%		
SBS	0	0	0	0	0	0	0	0	0	0%	0%		
SOM	0	1	0	0	0	1	0	0	2	100%	0%		
US	0	0	0	0	0	0	0	0	0	0%	0%		
	0	2	1	2	2	3	1	2	13	38%	92%		



#### A friendly reminder... sharing PRCI Research

# Members must not share PRCI deliverables (e.g., reports) with non-members. In fact, sharing PRCI reports outside of PRCI:

- Is a violation of your membership agreement
- Can dilutes the value of PRCI membership

#### Applies to any project deliverable and any related papers/presentations

 Exceptions for individuals designated as liaisons to other organizations where high-level information can be shared

# PRCI has a process for the review, approval, and if desired, sharing of deliverables with external parties

- Sharing information before it has been approved through all steps in the process and published can negatively affect its outcome
- If or when there is a desire to share information outside of PRCI, the funding committee makes that determination and secures the approvals.
  - It is common to have restricted sharing of PRCI research with regulators, standards organizations



# 2025 SRP Budget and Funding Portal Changes



#### **SRP Projected Budget**

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SRP	Code	2020	2021	2022	2023	2024	2025	2026	2027 2	2028 2	029 2	030	Total .
Optimize the Detection and Mitigation of Mechanical Damage	MD	\$613,733 \$	51,514,161	\$292,346	\$236,000								\$2,656,240
Greenhouse Gases Emissions Reduction	GHG		\$908,600	\$1,179,200	\$1,886,300								\$3,974,100
Pathways to Achieving Efficient and Effective Crack Management	CM	ţ	51,452,210	\$1,646,500	\$1,743,500 \$	\$1,259,900	\$1,139,000						\$7,241,110
Leak detection management*	* LD				\$289,100	\$734,200	\$1,249,100	\$767,000	\$424,800				\$3,464,200
Geohazard management	GHZ					\$534,000	\$682,600	\$1,132,000	\$708,000				\$3,056,600
Leak detection management	LD							\$472,000	\$424,800				\$896,800
Risk management	RM							\$370,000	\$690,000	\$580,000	\$850,000	\$820,000	\$3,310,000
Mechanical Damage II	MDII							\$550,000	\$365,000	\$220,000			\$1,135,000
Totals		\$613,733 \$	3,874,971	\$3,118,046	\$4,154,900	\$2,528,100	\$3,070,700	\$3,291,000	\$2,612,600	\$800,000	\$850,000	\$820,000	\$25,734,050
Approxmate % of RB		8.1%	51.0%	41.0%	54.7%	33.3%	39.4%	41.7%	32.7%	10.0%	10.6%	10.3%	30.0%

\*Proposed amounts, not approved by the Executive Assembly

#### **Funding changes for 2025**

#### Roadmap changes

- Non-SRP roadmaps need more narrative on the plan and desired outcomes/objectives
- Incomplete ideas, as of 1/15/2025, identified by the TCs to be on the roadmap for 2025 will be excluded from the 2025 roadmap
  - E.g., that do not have an identified sponsor, insufficient objectives, scope
    - Will be moved to funding year 2026
  - Ideas at risk and issues to resolve will be communicated to the TCs by 12/15/2024

#### Mega ad-hoc

Majority of 2025 on roadmap ideas should go onto the funding portal March 5, 2025

#### EFI Funding

- Currently EFI members can pay up to 50% of their EFI dues from their research bank
- Starting in 2025, EFI members can pay up to 100% of the EFI dues from their research bank
  - Subject to available funds after SRP and continuing project allocations

#### **Key references**

- PRCI New Technical Committee/Project Team Member Frequently Asked Questions
  - https://www.prci.org/74966.aspx
- Roles & Responsibilities "Swim Lane" Chart
  - https://www.prci.org/181793.aspx
- How PRCI research projects are funded
  - https://www.prci.org/178326.aspx
- Key results
  - https://www.prci.org/KeyResults.aspx
- Reports
  - https://www.prci.org/All Final Reports.aspx

#### **Project Team Review of Key Items**

#### Research Proposals

Individuals review and make their recommendations for contractor to select

#### Project deliverable reviews

- Test matrix/protocol
- Literature review
- Software
- Draft final report
- Is the content use and useful? Clear to understand/use? Free of technical errors? Comprehensive?
  - Issues identified should be socialized at the project team level
    - Do not contact the contractor directly, involve the project team and Program Manager to resolve issues
  - Formal acceptance logged in PRIME

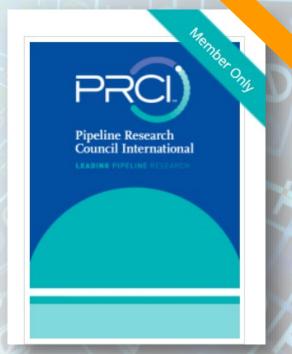


#### Virtual Technology Development Center (VTDC)

#### **Current reports include:**

- Pipe Materials Property Database
- Ultrasonic Test Results Database
- Burst Pressure Test Database
- Members' Dashboard
- Pipeline Failures Initiated by Cracks
- Pipeline Gas Hydraulic Transient Data









#### **Gary Choquette**

Executive Director, Research

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