

GPAC / LPAC Joint Meeting Industry SMS Team Update

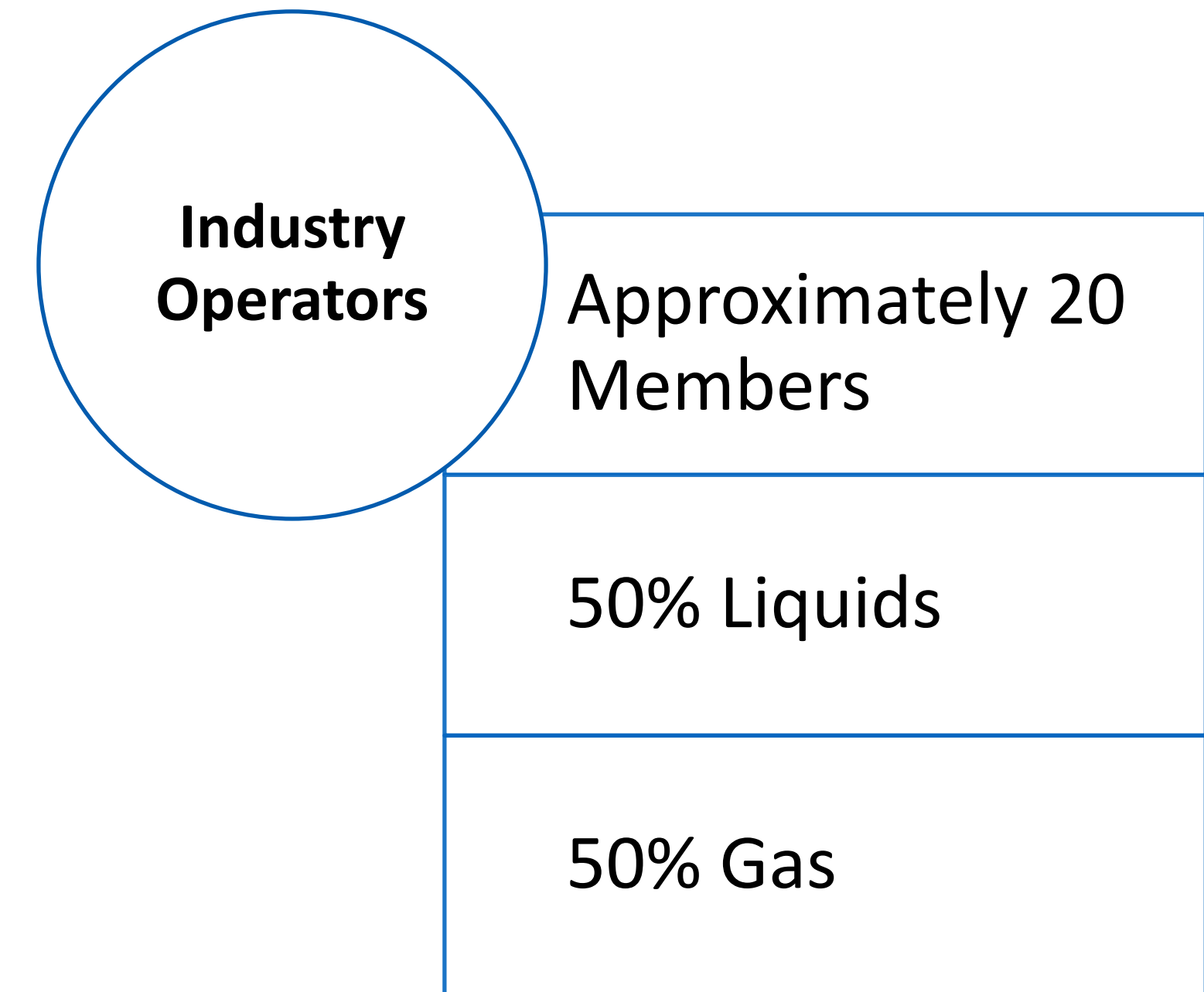
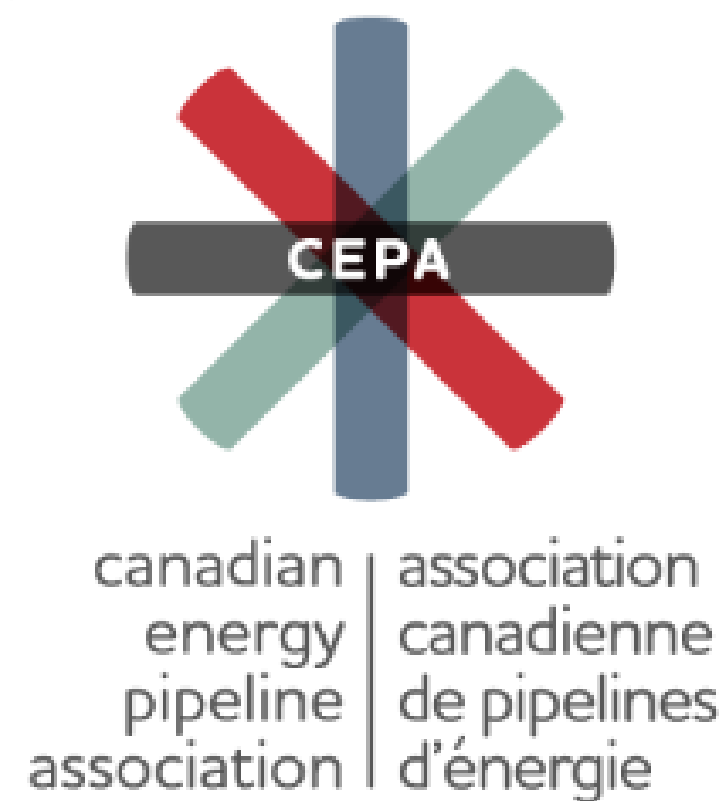
November 2019



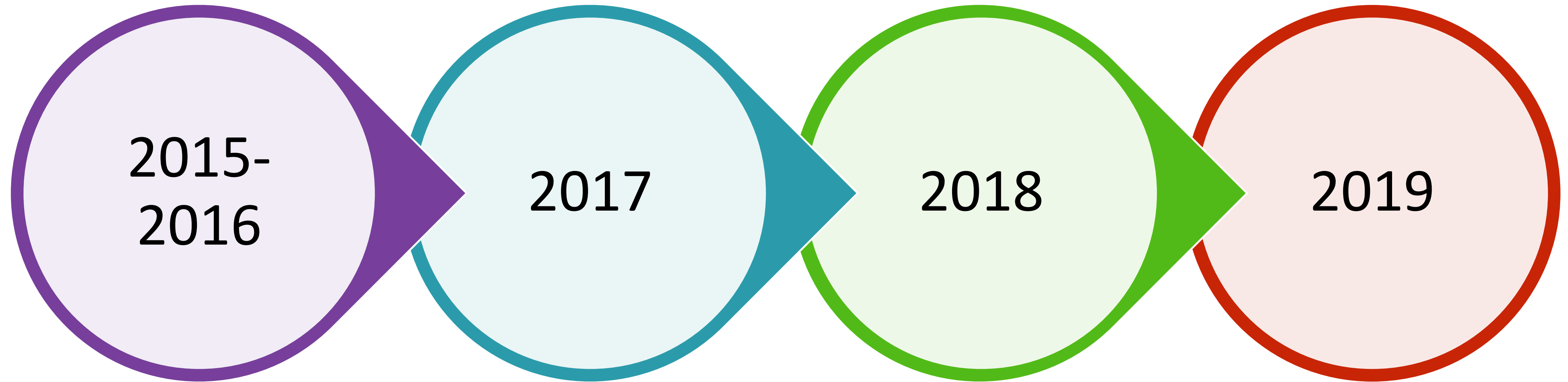
Pipeline SMS



SMS Pipeline Industry Team



TEAM HISTORY



2015-
2016

- RP 1173 Published
- Implementation tools provided
- Individual implementation efforts began

2017

- Liquids and gas joined forces
- Formed SMS Cross-Industry Team

2018

- Transitioned focus to increase participation
- Developed Team Governance

2019

- Maintaining focus on strategy & tactics to ensure implementation across the industry



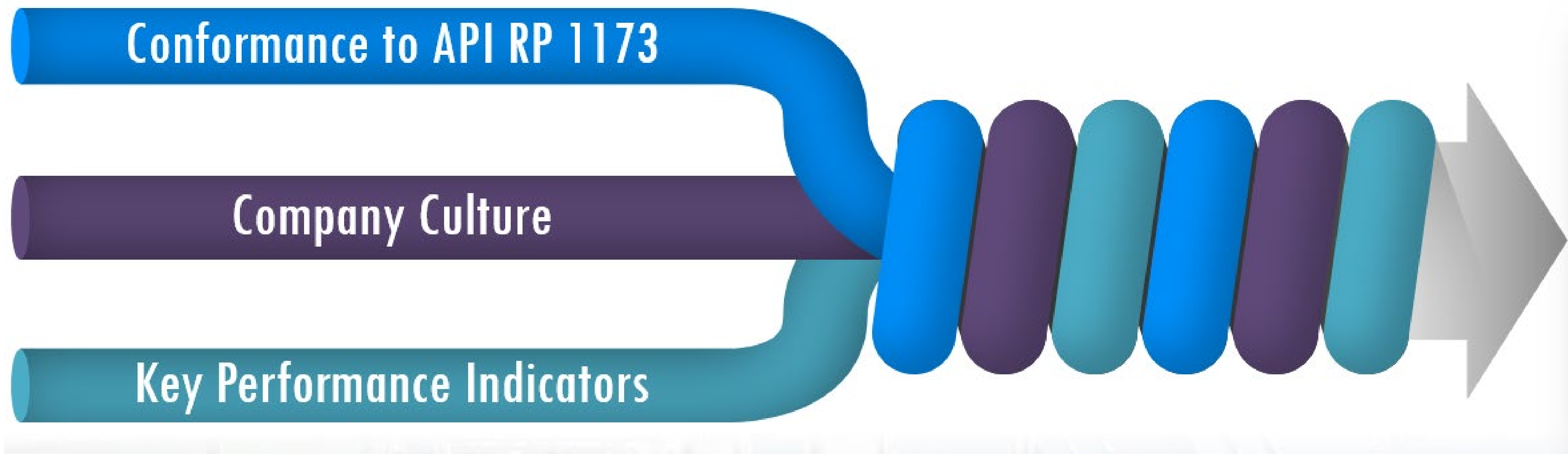
GUIDING PRINCIPLES



- 1 **One Industry, One Goal**
- 2 **Improve overall performance**
- 3 **It's a journey, not a destination**
- 4 **Flexible and scalable**
- 5 **Stay true to RP 1173 (especially terminology)**
- 6 **Provide tools to assist all operators**
- 7 **First conformance, then effectiveness**
- 8 **Voluntary implementation equals unlimited results**
- 9 **Proactive vs. reactive**



Pipeline Safety Management Systems

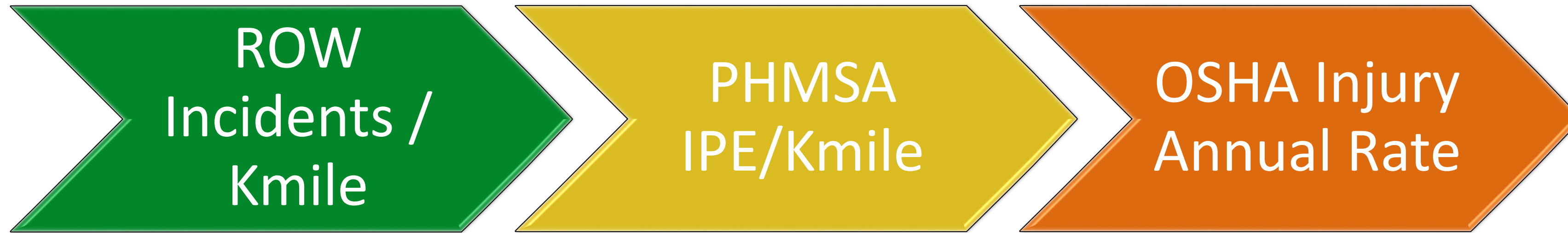


Zero Incidents

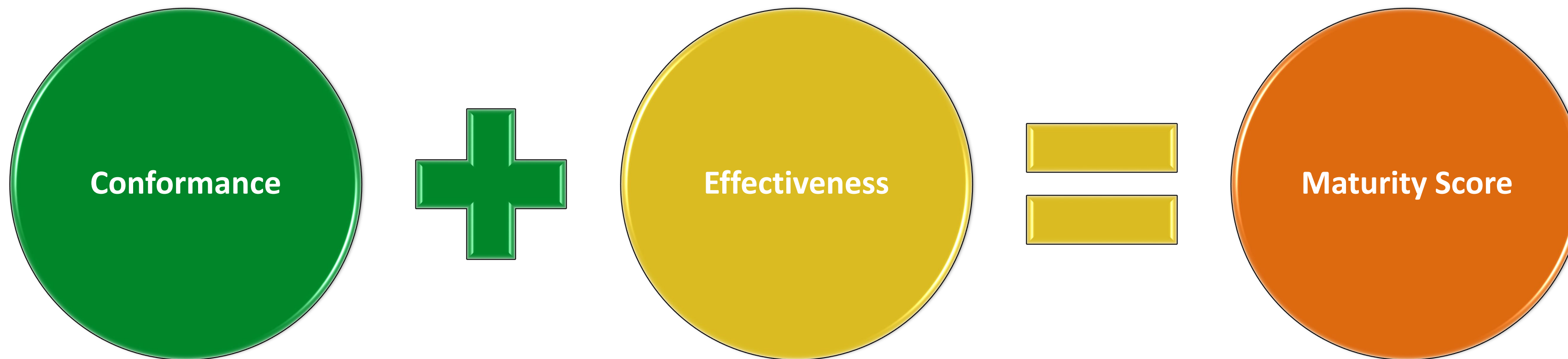


MEASURING EFFECTIVENESS

3-Year
Averages



Key metrics used in comparison to industry averages provide the effectiveness score as an addition conformance.



INDUSTRY TEAM OBJECTIVES



GETTING THE WORD OUT



- AGA Workshop
- API Annual Conference
- NTSB Investigative Hearing (2018)
- International Pipeline Conference
- APGA Operations Conference
- Pipeline Leadership Conference
- PHMSA & NTSB Updates
- Annual Survey
- Annual Report
- Web-Site
- Industry-wide Webinars
- SMS Workshop

2018 and 2019
Communications



2018 ACCOMPLISHMENTS



Making It Real

- **Continue *One Industry, One Goal***
- **2018 Webinar series**
- **2018 Workshops**
- **API voluntary third-party assessment program development**
- **Metric development**



Demonstrating Progress



LEADERSHIP COMMITMENTS



SAFETY CULTURE SURVEYS



GAP ASSESSMENTS



CLOSURE PLANS

2018 ACCOMPLISHMENTS

48%
Pipeline
mileage
surveyed

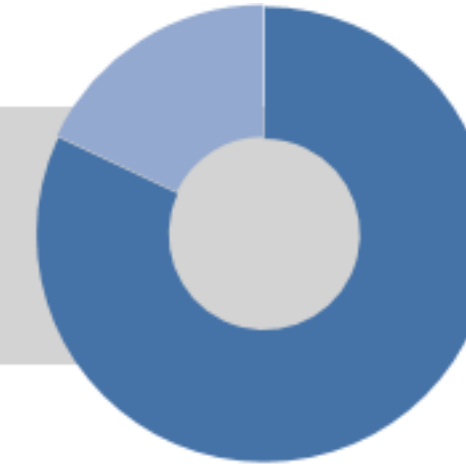
71%
Gap
assessment
completion

88%
Assessing
safety
culture

74%

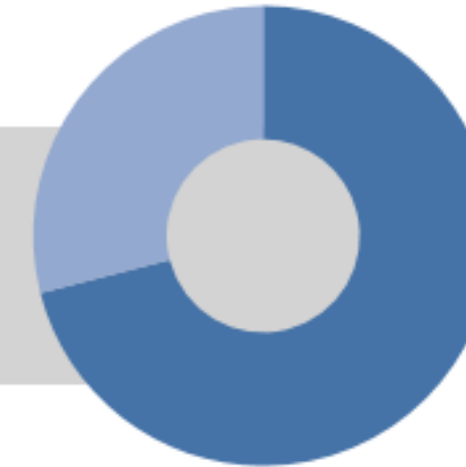
Operators who reported
identified improvement
opportunities from
gap analyses

82% Yes
18% No



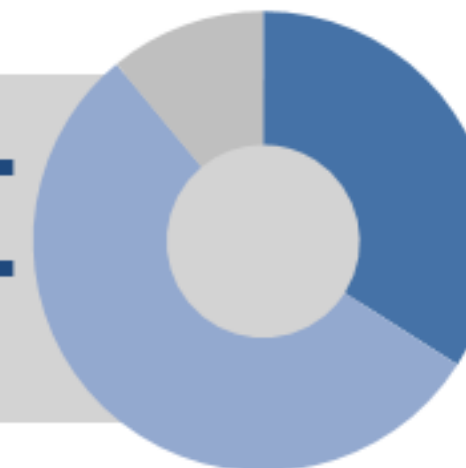
Has leadership demonstrated a tangible commitment to the implementation of their SMS?

71% Yes
29% No



Has the company performed a gap assessment or evaluation of level of maturity of their SMS?

34% 1-2 yrs.
55% 2-5 yrs.
11% >5 yrs.



What is the time frame for closing initially identified gaps or addressing improvement opportunities?

88% Yes



Has your company taken any steps to assess your safety culture post 2014?

- 2018 data from liquid, gas transmission & gas distribution pipelines
- Survey responses represent 48% of the liquids and gas pipeline mileage

2019 ACCOMPLISHMENTS



Continuing to Make It Real

- Continue *One Industry, One Goal*
- 2019 Webinar series (114 & 171 participants)
- 2019 Workshop (87 attendees + presenters and facilitators)
- API and APGA conference sessions targeting SMS (200+ attendees)
- Standardizing approach to the API voluntary third-party assessment; conducted two pilots to achieve this goal
- Metric implementation
- Annual Survey going on now



2020 STRATEGIC OBJECTIVES



Increase Industry Participation

- Industry Annual Survey
- Industry SMS Annual Awards Development
- “Barrier to Entry” Determination

Ensure Proactive External Engagement

- Ongoing PHMSA Engagement
- PST Engagement
- Newsletter
- Annual Report
- Web-site
- PHMSA Reauthorization

Provide Ongoing Support for Operator Journeys

- Culture Survey for Operator Use
- 3rd Party Voluntary Assessment
- Education
 - Workshops
 - Webinars

Provide Governance & Oversight

- Industry Team Strategy
- Reaffirmation / Reauthorization of 1173
- Team Structure & Membership
- Metrics





THANK YOU!

Visit us at: pipelinesms.org

Angie Kolar
SMS Pipeline Industry Team Chair
AKolar@colpipe.com