# Navigating the Changing Methane Regulatory Environment



Montrose is a leading provider of environmental services, including methane management. Known initially for our proficiency in stack testing and emissions detection, Montrose has significantly broadened our expertise.

We deliver a comprehensive suite of advanced environmental services, including

- On-site detection and measurement technologies
- Expert strategic advisory services
- Comprehensive data management platforms
- Permitting
- Regulatory compliance
- Emergency readiness and response

With a deep understanding of the energy industry and a broad skill set, we proudly offer integrated solutions for addressing methane challenges in a rapidly evolving regulatory landscape.

We take a comprehensive approach to methane emissions measurement, management, and reduction, from strategy, program development and audits, to boots-on-the ground methane quantification for measurement-informed emissions inventories. We bring interdisciplinary knowledge and experience to provide holistic, fit-for-purpose methane solutions.

# **Integrated Methane Management Solutions**

# **Measurement-Informed Emissions Calculation Support**

- · Baseline emissions quantification
- Asset- and source-level materiality analyses
- Custom emissions factor development
- Emissions inventory and materiality revisions
- · Site-wide emissions reconciliation
- · Gap assessments, audits, and third-party review

## Methane Mitigation **Initiative Support** and Implementation

## Methane Mitigation Initiative Support and Implementation

- Evaluation and auditing via OGMP 2.0, MIO, Equitable Origin, Trustwell, Veritas, etc.
- Implementation plan development and execution
- Goal and target setting (methane intensity, carbon intensity, and Net Zero)
- Methane intensity evaluation and peer benchmarking
- Emissions reduction planning, including marginal abatement cost curves (MACCs)
- Stakeholder engagement and internal education and policy development

## **Emissions Detection** and Measurement

- Strategic planning and direct measurement of fugitives, vents, flares, and incomplete combustion sources
- Measurement and/or monitoring program management
- Comprehensive test reports aligned with regulatory or voluntary sustainability framework requirements
- Continuous Methane Monitoring Systems (CMMS) evaluation and deployment
- · Emerging technology evaluation and pilot program support

#### Measurement **Emissions** -Informed Emissions **Calculation Support**

Montrose

Integrated Methane

Management

Solutions

Reporting Support

Support

# **Emissions Reporting Support**

- · Software-agnostic electronic reporting submittal tools
- Sensible EDP (Environmental Data Platform) reporting tools
- · Annual sustainability reporting
- Data collection and validation support
- Reporting tool updates based on applicable regulations and requirements

### Community **Engagement Support** Community Engagement

- Environmental Justice program development and review
- Public health risk assessment
- · Super-emitter affirmative defense preparation

**Data Management** and Visualization

**Emissions Detection** 

and Measurement

and Compliance

# **Permitting and Compliance**

- State and federal regulatory compliance
- Regulatory reporting
- Site investigations
- Environmental monitoring
- · Pipeline, drilling, and construction permitting
- Expert testimony

# **Data Management and Visualization**

- Technology-agnostic sensing and measurement data aggregation and visualization through Sensible EDP (Environmental Data Platform)
- Integration with existing operations and environmental platforms
- Targeted alerts based on detection alarm conditions
- · Statistical data analysis to assist in data-driven decision making

## Ready to begin? Please contact:

#### **Elizabeth McGurk**

Managing Consultant, Sustainability and Climate Advisory elmcgurk@montrose-env.com +1-737-587-9988