GPA Midstream Technical Committee Charter:

GHG Emissions and Abatement Committee

Purpose

Work with the Environmental Committee to develop and support midstream emissions measurement, quantification, and abatement studies for future advocacy while continuing to share other Greenhouse Gas (GHG) measurement related enrichment opportunities.

Scope

The GHG Emissions and Abatement Committee is responsible for supporting and vetting industry studies concerning emerging measurement technologies (which may also include regulatory updates), quantification strategies, and abatement techniques of GHG emissions and associated environmental impacts that originate from midstream assets that can be used to support midstream advocacy. The primary role of the committee is to identify gaps in GHG measurement data and to define and manage research projects associated with midstream GHG emissions. It conducts/summarizes research on the application of specific GHG emission measurement technology as applied to various environmental, geographic, and production facility settings with the goal to optimize emissions characterization across a broad range of environmental conditions.

The committee consists of three subgroups for ease in managing the workload of the section; the ample number of active research projects would be difficult for the entire committee to review individually:

- Near term advocacy issues - Where support is needed by the advocacy committee, this committee will support new regulation proposal data collection and study review to support GPA Midstream comment statements.
- Support existing data needs - support studies associated with existing know GHG measurement issues. This can include things such as:
    - Flare destruction efficiency
    - Equipment leak emission rate factors
    - Other GHG Reporting Rule factors
- Future advocacy support - Expected future emissions estimation issues in the midstream GHG measurement space.

The committee meets in-person twice a year during the Annual Convention and Technical conference. The committee will also meet twice virtually, bisecting the in-person meetings to total four meetings a year. Ad hoc meetings may be schedule as required in the beginning to get workgroups and projects in this charter initiated.

The committee will provide support and interaction with other GPA Midstream committees and technical sections including:

- Facility Design, Operation & Maintenance Committee
- Pipeline Design, Operation & Maintenance Committee
- Measurement & Quantity Determination Committee
- Analysis, Test Methods & Product Specifications Committee
- GPA Midstream Safety Committee
- GPA Midstream Environmental Committee

The committee will also engage with academic and industry institutions on methane measurement and abatement studies such as:

- University of Texas Energy Emissions Modeling and Data Lab (EEMDL)
- Colorado State University Methane Emissions Technology Evaluation Center (METEC)
- Pipeline Research Council International (PRCI)

Typical Committee Members

Committee members should have the ability to actively participate in one of the three subgroups. These people could include:

- Measurement professionals with experience in GHG measurement techniques
- Environmental specialists with measurement understanding
- Professionals with field sampling and testing experience
- Professionals with expertise in GHG emissions calculations