



Methane Challenge Program Update

2019 Natural Gas STAR and Methane Challenge Workshop

November 5, 2019



Program Overview

Methane Challenge Overview

- Program launched in 2016
- Partners make *specific, transparent, voluntary commitments* to reduce methane emissions
- Companies track and report voluntary actions annually
- Program leverages Greenhouse Gas Reporting Program data and electronic reporting system
- Publicly recognizes natural gas company Partners as voluntary-action leaders
- New Partners can join at any time
- Thanks to our 64 partner companies across the value chain!

Methane Challenge Commitment Options

- **Best Management Practice (BMP) Commitment Option:**
 - Commit to mitigate emissions from one or more of nine key emission sources using specific technologies, practices
 - Company-wide implementation of best practices within five years
 - Track and report activities annually
- **ONE Future Commitment Option**
 - Commit to an emissions intensity rate across their operations, separately through ONE Future organization
 - Performance-based approach: provides flexibility in achieving their goals
 - Report methane emission and reduction data across operations
 - EPA collects and publishes data annually

Program Partners

Methane Challenge Partners, by Segment

Industry Segment	BMP MC Partners	ONE Future MC Partners
Production	1	1
Gathering and Boosting	4	-
Processing	1	-
Transmission and Storage	13	2
Distribution	49	2
TOTAL	60	5

Current Partner Commitments

	20+ Partners
	10 - 19 Partners
	1 - 9 Partners
	No Partners

Onshore Production	Gathering and Boosting	Natural Gas Processing	Transmission and Storage	Distribution
Pneumatic Controllers <i>1 Partner</i>	Pneumatic Controllers <i>2 Partners</i>	Reciprocating Compressors <i>1 Partner</i>	Reciprocating Compressors <i>6 Partners</i>	Distribution Mains <i>32 Partners</i>
Storage Tanks <i>1 Partner</i>	Storage Tanks	Centrifugal Compressors	Centrifugal Compressors <i>2 Partners</i>	Distribution Services <i>16 Partners</i>
	Reciprocating Compressors <i>4 Partners</i>		Pipeline Blowdowns <i>7 Partners</i>	Pipeline Blowdowns <i>2 Partners</i>
	Centrifugal Compressors		Pneumatic Controllers <i>3 Partner</i>	Excavation Damages <i>23 Partners</i>
<i>ONE Future Emissions Intensity Commitment</i> <i>1 Partner</i>	<i>ONE Future Emissions Intensity Commitment</i>	<i>ONE Future Emissions Intensity Commitment</i>	<i>ONE Future Emissions Intensity Commitment</i> <i>2 Partners</i>	<i>ONE Future Emissions Intensity Commitment</i> <i>2 Partners</i>

Reporting and Data Publication

Reporting Overview

- Partners report Methane Challenge data through specially-created voluntary module of GHGRP e-GGRT
- Methane Challenge reporting will occur during the late summer/early fall moving forward
- Many thanks to the 46 BMP Partners that reported 2017 data last fall
- BMP Partners' 2017 methane reductions totaled nearly 1 MMTCO₂eq
- ONE Future Partners reported 2017 & 2018 data this fall
- 9 new Partners will begin reporting in 2020

2017 BMP Reporting Summary Results

Commitment Options	Number of Partners Reported	Number of Facilities Covered	Estimated Voluntary Emission Reductions (metric tons CO ₂ equivalent)
Pneumatic Controllers	1	12	0
Tanks	0	0	0
Reciprocating Compressors	4	23	7,821
Centrifugal Compressors	0	0	0
Transmission Pipeline Blowdowns	4	4	637,595
Distribution Mains	28	61	232,553
Distribution Services	13	32	78,131
Distribution Pipeline Blowdowns	1	2	110
Excavation Damages	19	39	N/A
Total	46	127	956,210

Data Publication Overview

- Individual “Partner Profile” web pages for all Partners on the EPA website
- Program level “Accomplishments” web page
- Annual process:
 - Partners submit reports
 - EPA reviews submitted data and, as needed, follows up with Partners
 - EPA finalizes dataset for publication
 - EPA calculates metrics to illustrate Partners’ progress towards their company-specific commitments
 - Partners have an opportunity to preview updated metrics and data downloads
 - EPA updates Partner Profile webpages

Methane Challenge Partner Profile Pages

Natural Gas STAR Program

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Ameren Illinois Methane Challenge Partner Profile

Methane Challenge Partner Since 2016

[Ameren Illinois](#) [EXIT](#) has committed to apply best management practices (BMPs) across its operations to mitigate methane emissions from the emission source listed below.



Learn more about Ameren Illinois' progress towards meeting its commitments to implement methane-reducing technologies and practices related to this emission source:

- [Excavation Damages \(Distribution\)](#)

Background Information: Information submitted by Ameren Illinois, including its full dataset, can be found on its [document page](#). This page includes the following documents:

- Methane Challenge Implementation Plan
- Historical Actions Fact Sheet (*this fact sheet was developed by the company and represents the company's historic efforts to voluntarily reduce methane emissions before joining the Methane Challenge Program*)
- Methane Challenge reported data

Distribution

Excavation Damages

Methane Challenge Accomplishments

Natural Gas STAR Program

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Methane Challenge Program Accomplishments

This page summarizes data reported to the Methane Challenge program, including the methane reductions achieved by Partners through voluntary action (during participation in the Methane Challenge Program). On this page you will also find the full data download for all Methane Challenge Partners, across all reporting years to-date.

- [Introduction](#)
- [Partner Profile Pages](#)
- [Methane Challenge Accomplishments](#)
- [Methane Challenge Data Download](#)

Introduction

Methane Challenge Program Partners make ambitious commitments through the program's two commitment options: the Best Management Practice Commitment Option and the ONE Future Emissions Intensity Commitment Option ([learn more here](#)).

Partner Profile Pages

After a full year of participation in the program, each Partner submits detailed annual reports with non-confidential data to provide context for their participation in the Program and to facilitate annual tracking of their commitment progress. All data submitted to the program is published to the Methane Challenge website. Company-specific information can be found on the individual Partner Profile Pages, accessible from the [Methane Challenge Partner list](#).

What's Next

- First publication of ONE Future Partners' dataset
- Expanding BMP commitment options
 - Learn more during today's session starting at 11:20AM
- Exploring opportunities for interactive exploration/visualization of Methane Challenge data on website
- More workshops and webinars

Sarah Menassian
Methane Challenge Program Manager
U.S. EPA

menassian.sarah@epa.gov

