



Natural Gas STAR Methane Challenge Program Implementation Plan

Partner Name

Current as of (date)

Partner Implementation Manager

Name:

Title:

Address:

City/State/Zip:

Telephone/Fax: E-mail:

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Natural Gas STAR Methane Challenge Program Implementation Plan

Partner Methane Challenge Commitments¹

BMP Commitment Option

Source		Start Date	Achievement Year
Onshore Production			
<input type="checkbox"/>	Pneumatic Controllers		
<input type="checkbox"/>	Fixed Roof, Atmospheric Pressure Hydrocarbon Liquid Storage Tanks		
Gathering and Boosting			
<input type="checkbox"/>	Pneumatic Controllers		
<input type="checkbox"/>	Fixed Roof, Atmospheric Pressure Hydrocarbon Liquid Storage Tanks		
<input type="checkbox"/>	Reciprocating Compressors - Rod Packing Vent		
<input type="checkbox"/>	Centrifugal Compressors - Venting		
Natural Gas (NG) Processing			
<input type="checkbox"/>	Reciprocating Compressors - Rod Packing Vent		
<input type="checkbox"/>	Centrifugal Compressors - Venting		
NG Transmission & Underground Storage			
<input type="checkbox"/>	Reciprocating Compressors - Rod Packing Vent		
<input type="checkbox"/>	Centrifugal Compressors - Venting		
<input type="checkbox"/>	Transmission Pipeline Blowdowns between Compressor Stations		
<input type="checkbox"/>	Pneumatic Controllers		
NG Distribution			
<input type="checkbox"/>	Mains – Cast Iron and Unprotected Steel (<i>Commitment Rate:</i>)		
<input type="checkbox"/>	Services – Cast Iron and Unprotected Steel		
<input type="checkbox"/>	Distribution Pipeline Blowdowns (<i>Commitment Rate:</i>)		
<input type="checkbox"/>	Excavation Damages		

Partner Methane Challenge Commitments

ONE Future Emissions Intensity Commitment Option

Segment:		Intensity Target:		Target Year:	
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¹ Partners may delete unused rows within the table, and may duplicate rows and add relevant details as needed (e.g., a corporate parent partner that has different commitments for each LDC can duplicate relevant rows to list the commitments for each LDC).



Milestones/Timeframes for Meeting Commitments:

MidAmerican Energy Company's (MidAmerican) Damage Prevention Program is designed to measure and lessen damages to MidAmerican's gas pipelines and applies to all MidAmerican gas transmission and distribution facilities, regardless of whether the facility is underground or aboveground.

The six elements of MidAmerican's Damage Prevention Program are:

- 1) Damage Prevention
- 2) Performance
- 3) Stakeholder Communications
- 4) Management of Change
- 5) Program Quality Control
- 6) Forms and Records

Milestones and timelines:

- Complete evaluation metrics for EPA methane challenge and define how the metrics are gathered – December 31, 2017
- Complete gathering of baseline metrics – March 1, 2018
- Complete the evaluation and mitigation improvement review of the 2018 data – May 1, 2018
- Evaluate initial program implementation – October 1, 2018

Reporting:

MidAmerican currently reports greenhouse gas data as part of the GHGRP for Subpart NN and Subpart W sources. Separate reports under the GHGRP are files for MidAmerican system segments in Iowa, Illinois, South Dakota, and Nebraska, per EPA requirements. All of these segments make up the MidAmerican natural gas distribution system as a whole. MidAmerican will utilize the reporting methods specified by the EPA for the applicable industrial segment and source category covered by our Damage Prevention Program.

Emission Source	Elements to be Collected
Excavation damages – natural gas distribution network	Total number of excavation damages
	Total number of excavation damages per thousand locate calls
	Total number of excavation damages per class location (optional) ¹
	Total number of excavation damages by pipe material (steel, cast iron, copper, plastic etc.) and part of system involved (main, service, inside meter/regulator set, etc.)
	Total number of excavation damages which resulted in a release of natural gas
	Total number of excavation damages which resulted in the pipeline being shut down
	Total number of excavation damages on pipelines or facilities with supervisory control and data acquisition-based systems in place ²
	Total number of excavation damages by type that caused excavation damage incidents ³
	Total number of excavation damages where the operator was given prior notification of excavation activity
	Total number of excavation damages by apparent root cause
Voluntary action to reduce methane emissions during the reporting year	Actions taken to minimize excavation damages/reduce methane emissions from excavation damages
	Company-specific goal for reducing excavation damages and/or methane emissions from excavation damages (when available)
	Progress in meeting company-specific goal (when available)

NOTES:

¹ This information is not available, MidAmerican will not be reporting on this measure.

²This data will be reported as available. Not all areas within MidAmerican's service territory have this type of data system in place.

³MidAmerican is defining an incident reported here as being a DOT reportable incident to PHMSA and state authorities.

ⁱ Commitments should be listed per the Partner's most recent Partnership Agreement. Partners may delete unused rows within the table, and may duplicate rows and add relevant details as needed (e.g. a corporate parent partner that has different commitments for each LDC can duplicate relevant rows to list the commitments for each LDC).