



Natural Gas STAR Methane Challenge Program Implementation Plan

Partner Name

Current as of (date)

Partner Implementation Manager

Name: _____

Title: _____

Address: _____

City/State/Zip: _____

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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:

Gathering and Boosting:

DTE - Bluestone Pipeline of Pennsylvania LLC (Bluestone) plans on replacing rod packing in compressors every three years, in those estimated to exceed 26,000 hours of operation. The engines at Bluestone began rod pack leak evaluations on March 30, 2016 and will be reevaluated annually to determine the change in leak rate from the rod packing on a year to year basis.

NG Transmission & Underground Storage:

DTE Gas Holdings Inc. (DTE Gas) plans on replacing rod packing in compressors every three years, in those estimated to exceed 26,000 hours of operation, and evaluate rod packing replacement for compressor that exceed a leak rate of 10 scfm. Eight engines were identified as needing rod packing replaced by the end of the five year program. These engines began being addressed on March 30, 2016. Annually, the engines will be evaluated and reported on to check the progress made by measuring the change in leak rate from the previous year.

NG Distribution:

DTE Gas falls in EPA’s Tier 5 based on 2016 pipeline data (which measured approximately 3,773 miles of pipeline), meaning there is greater than 3,000 miles of pipeline. This requires a Best Management Practices (BMP) pipeline replacement of 1.5% of unprotected and cast iron pipe. At 1.5% replacement, 57 miles of pipe will be replaced annually to comply with the agreement. Based on the DTE Gas Renewal Program, approximately 3% of pipeline will be replaced annually to meet this commitment. The following table shows the plans for the five year plan of what is to be replaced:

Year	Planned Main (miles)	Unplanned Main (miles)	Public Improvement (miles)	Total (miles)	Percent of Remaining Pipe
2016	92	3	12	107	2.83%
2017	123	3	12	138	3.76%
2018	123	3	12	138	3.91%
2019	123	3	12	138	4.07%
2020	123	3	12	138	4.24%



Additional Information/Context (optional):

For future expansion of the EPA Methane Challenge Program, DTE Energy will evaluate its natural gas system and determine whether more initiatives can be taken and/or expanded upon throughout the five year commitment.

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).