



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: | |
|----------|--|-------------------|--|--------------|--|

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).



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Methane Challenge Commitment

Avista Utilities has agreed to pursue a Best Management Practice (BMP) commitment in the NG Distribution-Excavation Damages category.

Projected Timeframe for NG Distribution-Excavation Damages BMP

Avista plans for continuous improvement in reducing dig in damages and has been pursuing a program for reducing such damages since 2007. This program has no scheduled end date and Avista is committed to achieving the lowest possible dig in rates in our service areas.

Avista accumulates the number of dig-in damages that occur within each natural gas operating district on a monthly basis. The number of locate tickets generated in each of these districts are tallied also by district and by month. A report is generated which then details the number of dig-in damages per 1000 locate tickets for each district.

Avista can provide a summary report documenting BMP results on an annual basis to the Methane Challenge Program.

In addition to the reduced emissions that result from reducing the number of dig-in damages, Avista has implemented this BMP to ensure safer communities in which we provide natural gas retail, commercial, and industrial deliveries.

Milestones and Associated timeframes

Avista currently tracks excavation damages and sets a yearly goal of a 10% reduction from the average number of dig-in from the previous three previous years.

For example, our 2016 year-end goal is less than or equal to 4.53 dig-ins / 1000 locate tickets. Current 2016 results are 3.9 dig-ins / 1000 locate tickets company-wide. The 2015 year end goal was 5.36 dig-ins / 1000 locate tickets. The actual rate for 2015 was 4.6 dig-ins / 1000 locate tickets.

Plans for future expansion of Methane Challenge Commitments

Avista Utilities has no plans for participating in additional Methane Challenge BMPs at this time.

Additional Information- NG Distribution-Excavation Damages BMP

Avista, company wide, had an increasing number of system locates from 2007-2015 while experiencing a decreasing number of dig-ins, as a result of the continuing program for reducing dig-in damages.

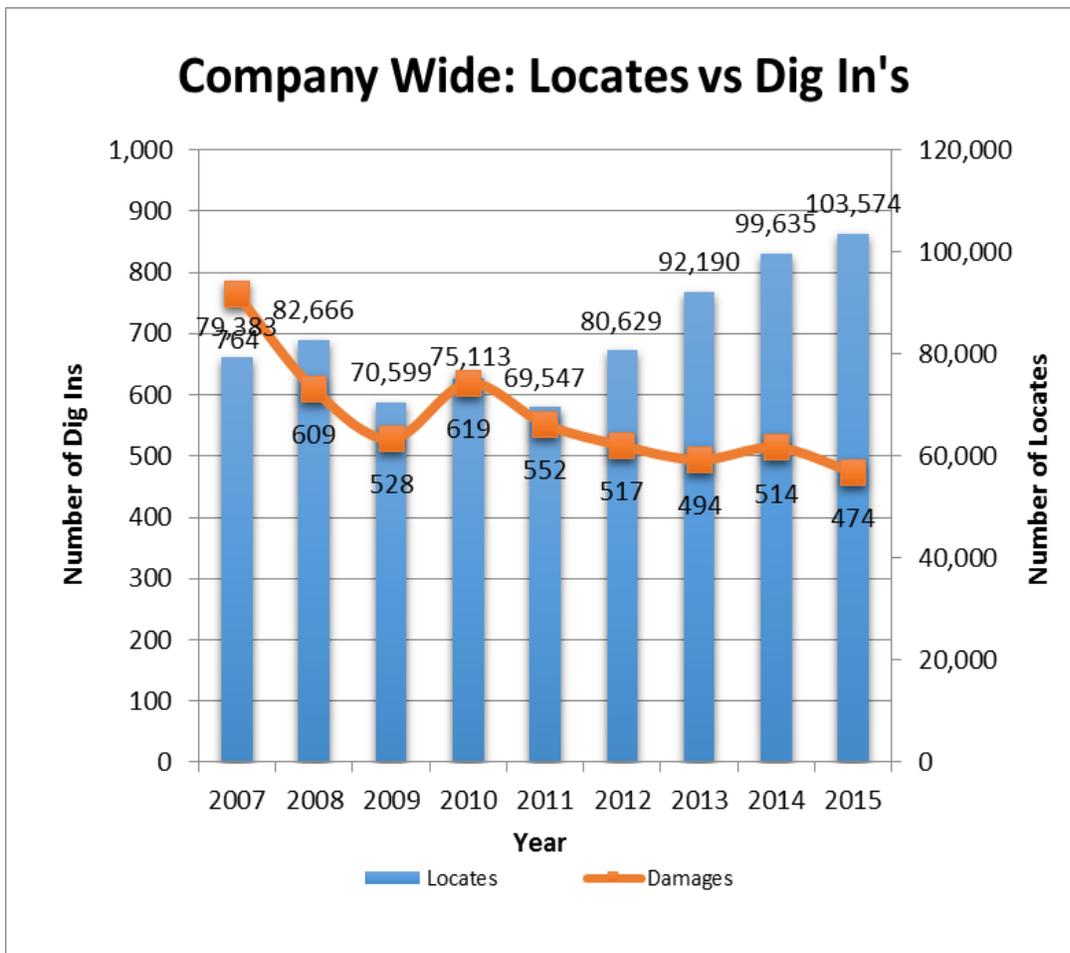


Figure 1. Avista company wide, 2007-2015: locates vs. dig-in's.

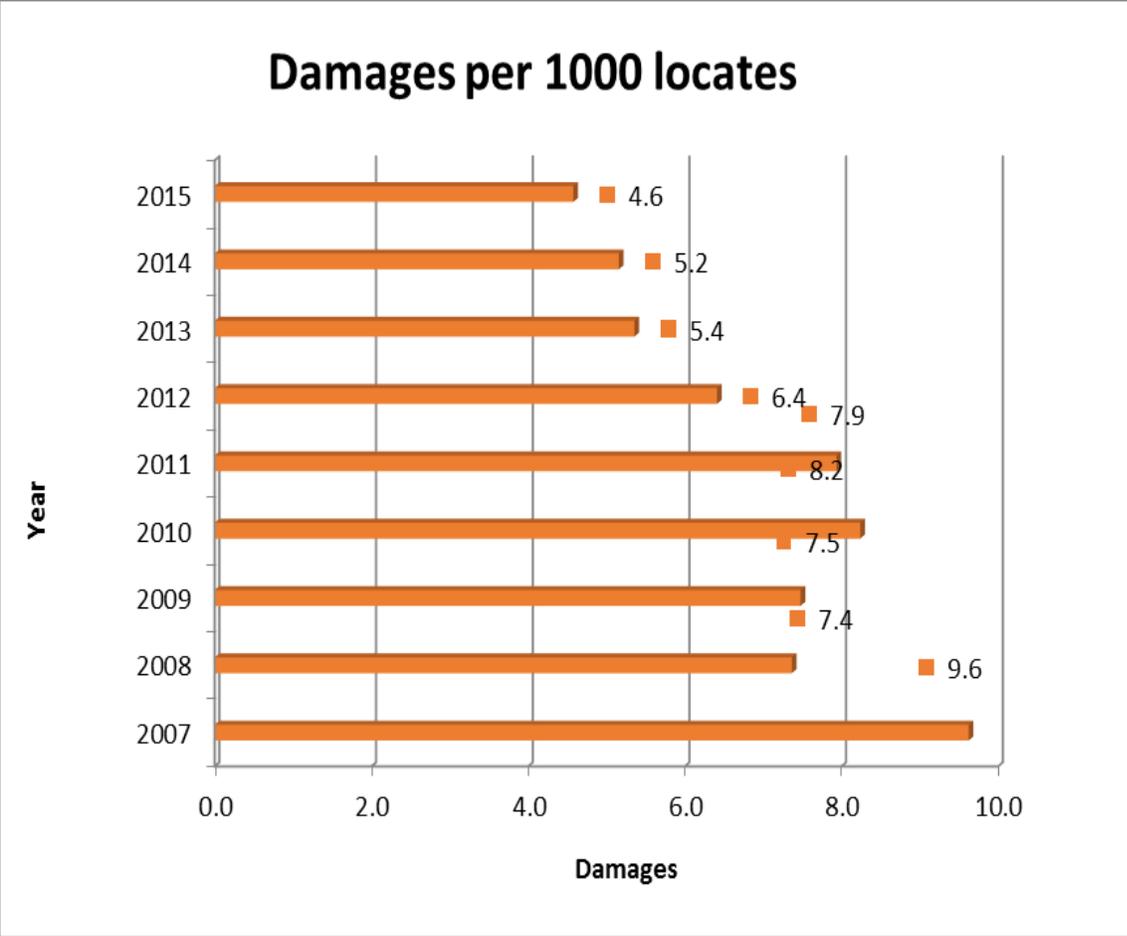


Figure 2. Avista company wide, 2007-2015: damages per 1000 locates.