

## **2015 State Damage Prevention Program Grants Progress Report**

### **CFDA Number: 20.720**

**Award Number:** DTPH56-15-G-PPS10

**Project Title:** Minnesota Department of Pipeline Safety State Damage Prevention Grant

**Date Submitted:** April 28, 2015

**Submitted by:** Jonathan Wolfram / Mike Mendiola

#### **Specific Objective(s) of the Agreement**

Under this grant agreement, the Minnesota Office of Pipeline Safety will carry out its responsibilities regarding enforcement, education, training, communication, support, analysis, partnership, and mediation activities associated with its Damage Prevention program. MNOPS continues to utilize a Damage Prevention team in 2015-2016. The team will perform standard pipeline safety functions but focus primarily on damage prevention efforts.

- Develop and implement methods for effective communication
- Foster support and partnership with stakeholders
- Reviewing the adequacy of internal performance measures
- Support a Damage Prevention Education Program for industry stakeholders
- Support Public Awareness and Stakeholder Education
- Resolving disputes to define State authority's role
- Foster and promote the use of improving technologies
- Review the effectiveness of Damage Prevention Programs

#### **Workscope**

Under the terms of this grant agreement, the Grantee will address the following elements listed in 49U.S.C. § 60134 (b) through the actions it has specified in its Application.

- **Element 1 (Effective Communications):** Participation by operators, excavators, and other stakeholders in the development and implementation of methods for establishing and maintaining effective communications between stakeholders from receipt of an excavation notification until successful completion of the excavation, as appropriate.
- **Element 2 (Comprehensive Stakeholder Support):** A process for fostering and ensuring the support and partnership of stakeholders, including excavators, operators, locators, designers, and local government in all phases of the program.
- **Element 3 (Operator Internal Performance Measurement):** A process for reviewing the adequacy of a pipeline operator's internal performance measures regarding persons performing locating services and quality assurance programs.
- **Element 4 (Effective Employee Training):** Participation by operators, excavators, and other stakeholders in the development and implementation of effective employee training programs to ensure that operators, the one-call center, the enforcing agency, and the excavators have partnered to design and implement training for the employees of operators, excavators, and locators.
- **Element 5 (Public Education):** A process for fostering and ensuring active participation by all stakeholders in public education for damage prevention activities.
- **Element 6 (Dispute Resolution):** A process for resolving disputes that defines the State authority's role as a partner and facilitator to resolve issues.
- **Element 8 (Technology):** A process for fostering and promoting the use, by all appropriate stakeholders, of improving technologies that may enhance communications, underground pipeline

locating capability, and gathering and analyzing information about the accuracy and effectiveness of locating programs.

- **Element 9 (Damage Prevention Program Review):** A process for review and analysis of the effectiveness of each program element, including a means for implementing improvements identified by such program reviews.

**Accomplishments for this period (Item 1 under Article IX, Section 9.01 Progress Report: “A comparison of actual accomplishments to the objectives established for the period.”)**

<b>Objective</b>	<b>Accomplishments (approximate numbers based on grant period as of report date)</b>
Enforcement actions and follow-up collections specific to SDP Grant	37 Damage Prevention Violations Cited. Of these, 6 violation was cited as a result of investigations funded by the SDP Grant.
In-office/Field investigations and research	45 Damage Prevention complaint/incident cases
Statistical analysis and complaint and incident trending	Volunteer Damage Reporting, (VDR) Mandatory gas leak reporting on all intrastate excavation related leaks. (pages 16-18)
Court proceedings and conciliations	Court cases and conciliations ongoing as needed.
Compliance monitoring of one-call center operations, frequent offenders, and types of offenses	The Pipeline Safety Director sits on the one-call center board. The MNOPS Damage Prevention manager sits on the one-call center communications committee. Participation in these groups allows MNOPS to continually monitor the one call center activities. Additionally, MNOPS collects and reviews all pipeline related gas releases due to excavation related activities. This allows MNOPS to track and appropriately address frequent offenders.
Rules and law review	MNOPS expects to facilitate MS216D discussions with stakeholders in 2016 for proposed statutory changes for 2017 MN legislative review.
Outreach <ul style="list-style-type: none"> <li>▪ Safety presentations to excavators</li> <li>▪ Safety &amp; training presentations for Operators &amp; locators</li> <li>▪ Annual conference with Damage Prevention track</li> <li>▪ Safety messages for the general population</li> </ul>	<p>MNOPS is currently conducting damage prevention meetings for 2016 (Feb-May and on an as-needed basis). The meetings will consist of a presentation reviewing the excavation laws in Minnesota via case studies. The case studies are actual on-site damage investigations performed by MNOPS inspectors. By the progress report end date, 46 presentations were conducted throughout Minnesota where over 5,214 excavators / utility operators were engaged regarding damage prevention and underground utility safety.</p> <p>MNOPS continues to use the SDP grant to establish greater focus on underground utility damages as a result of Agricultural Tiling. An Ag Awareness Committee has been created to focus on education and awareness of excavation safety in rural agricultural areas. This has been combined under the Minnesota Regional CGA.</p>
Involvement in regional Common Ground Alliance	MNOPS participated in 13 regional CGA meetings and 1 national CGA meeting during the grant

	<p>progress report period. At the national CGA meeting, Claude Anderson w/ MNOPS was one of the speakers. His topic focused on challenges with the One Call center and excavators in the agricultural community.</p> <p>MNOPS has engaged in the formulation of a Regional Base Common Ground Alliance in Minnesota. The damage prevention team currently serves as the chair for both the MNCGA Best Practices Committee and Agricultural Committee.</p>
Active Participation in area Utility Coordinating Committees	MNOPS Participated in 4 State Utility Coordinating Committees, attending a total of 12 regional UCC meetings.
Participation in the one-call center Operations and Communications Committees	MNOPS Participated in all Gopher State One Call Operations and Communications Committee meetings.

**Quantifiable Metrics/Measures of Effectiveness (Item 2 under Article IX, Section 9.01 Progress Report: “Where the output of the project can be quantified, a computation of the cost per unit of output.”)**

As of the report date, The Minnesota Office of Pipeline Safety (MNOPS) has been actively conducting Damage Prevention meetings around the State. MNOPS continues to attend and participate in the national CGA meetings and has been participating in the regional CGA meetings. The regional CGA functioned to facilitate and register Damage Prevention Presentation attendees. 2016 was the third year of coordinating the meetings in this fashion. The MNCGA website was used almost exclusively for registrants to attend meetings. MNOPS continues to participate and attend regular Utility Coordinating Committees throughout the State.

During the performance period, MNOPS cited 60 one call law code violations, issued \$14,575 in penalties. The SDP grant funded 45 investigations resulting in 6 violations and \$2,400 in penalties.

The damage data noted below maintains the historic trend downward of damages per 1000 locates for all utilities and for gas utility damages. The 2015 gas utility damages reported to MNOPS were calculated to be 2.07 per 1000 locates, essentially equivalent to the historic low of 2.06 damages per 1000 locates obtained in 2013.

<b>Case Type</b>	<b>Case Count</b>	<b>Total Hours</b>
One Call Damage Investigations and/or Complaints	45	209
Presentation	46	285
CGA / MVCGA Activities	13	115.5
UCC Activities	9	44
Public Education Events	5	80
Administration*	74	423.5
<b>Total</b>	<b>187</b>	<b>1157</b>

\*Administration hours is time applied to reviewing operators' damage reporting, case administration, communication with stakeholders, presentation(s) preparation, and assembly of publications

## ***2015 SDP Grant Summary of Presentations - Grant Hours***

### ***Progress Report Period 9/30/2015 – 3/31/2016***

<b>Date</b>	<b>Case ID</b>	<b>Description</b>	<b>Hours</b>
27-Oct-15	50595979	2015 DPP for MN Safety Council/MN Power - Proctor	5
16-Feb-16	141443279	2016 DPP - City of Mpls Traffic Dept.	3
18-Feb-16	141443618	2016 DPP - City of Mpls Traffic Dept. (49 Attendees)	4
24-Feb-16	141444374	KTS - DPP Michels	4
02-Mar-16	141447081	2016 DPP Shakopee	6
02-Mar-16	141446318	Rochester area DPP (140 attendees)	8
03-Mar-16	141447281	2016 DPP Fehn	5
03-Mar-16	141445985	DPP St. Cloud	7
03-Mar-16	141446318	Rochester area DPP	6
03-Mar-16	141446418	Owatonna Area DPP (156 attendees)	8
04-Mar-16	141447181	2016 DPP Austin	7
07-Mar-16	141443874	KTS (TDC observe) - DPP - St. Cloud Excavator Training	6
07-Mar-16	141446879	2016 DPP - 49'ers	4.5
07-Mar-16	141445293	2016 DPP for S.M. Hentges in Jordan	6.5
08-Mar-16	141442493	DPP City of St Cloud Excavator Training	6
09-Mar-16	141444074	KTS - DPP - Hutchinson	8
09-Mar-16	141447879	2016 DPP - GM Contracting	6
10-Mar-16	141447718	2016 DPP - MP Nexlevel DPP (168 attendees)	6.5
10-Mar-16	141448493	2016 DPP - McNamara	5
14-Mar-16	141444174	KTS - DPP - Worthington	5
14-Mar-16	141448779	2016 DPP - St. Cloud Excavator Training	6
15-Mar-16	141444174	KTS - DPP - Worthington	8
16-Mar-16	141448285	2016 DPP - Hinckley	7
16-Mar-16	141444274	KTS - DPP Winona	8
16-Mar-16	141449879	2016 DPP - Ramsey Safety Meeting	4.5
17-Mar-16	141449281	2016 DPP - Rosemount	5
17-Mar-16	141444374	KTS - DPP Michels	8
18-Mar-16	141449418	2016 DPP - New Ulm DPP	4
21-Mar-16	141448185	2016 DPP - 49'ers	5.5
21-Mar-16	141450218	Ulland Brothers DPP in Albert Lea	4
22-Mar-16	141448579	2016 Cross Bore Presentation for MPCA	3
22-Mar-16	141444474	KTS - DPP - Mankato	6
22-Mar-16	141450218	Ulland Brothers DPP in Albert Lea	8
22-Mar-16	141442593	2016 DPP - Marshal	11
23-Mar-16	141451074	2016 DPP - Hibbing	8
23-Mar-16	141450679	2016 DPP - Willmar/Spicer	6
23-Mar-16	141451918	2016 DPP - Morris Area DPP	4

24-Mar-16	141450779	2016 DPP - Brooklyn Park (MUCC)	4.5
24-Mar-16	141451918	2016 DPP - Morris Area DPP	8
25-Mar-16	141451174	2016 DPP - Alexandria	8
25-Mar-16	141452018	2016 DPP Contractor - Mlaskoch Utility Construction	8
29-Mar-16	141451779	2016 DPP - Carlton/Duluth	7
30-Mar-16	141452981	2016 DPP - Brainerd	4
31-Mar-16	141453081	2016 DPP - Foley	6
31-Mar-16	141451374	2016 DPP - Oakdale	6
31-Mar-16	141442693	2016 DPP - Crookston	11
<b>Total count =</b>		<b>46</b>	<b>Total hours = 285</b>

**2015 SDP Grant - Damage Prevention Presentations**  
**Summary of Attendees**  
**Progress Report Period 9/30/2015 – 3/31/2016**

CaseID	Presentation Description	Location	Venue	Attendees
50595979	2015 MNOPS Damage Prevention Presentation	195 Highway 2, Proctor, MN	Black Woods Banquet Center	43
141444074	DPP - Hutchinson	1005 Highway 15, Hutchinson, 55350	Hutchinson Event Center	98
141444174	DPP Worthington	1447 Prairie Drive, Worthington, MN	Comfort Suites & Conference Center	36
141445293	2016 DPP by TDC	21775 Ridges Drive, Jordon, MN 55352	Ridges at Sand Creek Golf Course	200
141446418	Owatonna Area DPP	Owatonna	Eagles Club	156
141448285	DPP - Presentation	Hinckley	Casino	160
141450479	2016 MNOPS Willmar-Spicer Damage Prevention Presentation	155 Lake Avenue South, Spicer	American Legion	179
141447879	2016 MNOPS Damage Prevention Case Studies Presentation	1111 Range Street, North Mankato, MN 56003	Best Western	25
141449418	2016 DPP - New Ulm DPP	New Ulm	Best Western Plus – New Ulm	130
141450679	2016 MNOPS Damage Prevention Presentation	155 Lake Ave. S. Spicer, MN 56288	Spicer American Legion	179
141443279	2016 DPP - City of Mpls Traffic Dept.	Minneapolis	Curie Maintenance Facility	35
141444274	DPP Winona	900 Bruski Drive, Winona, 55987	Riverport Inn & Suites	200
141448185	DPP to students	Cloverdale (Hinckley)	49ers Training Center	33
141448779	2016 MNOPS Damage Prevention Presentation	100 4th Avenue South, St. Cloud, MN	Kelly Inn	30

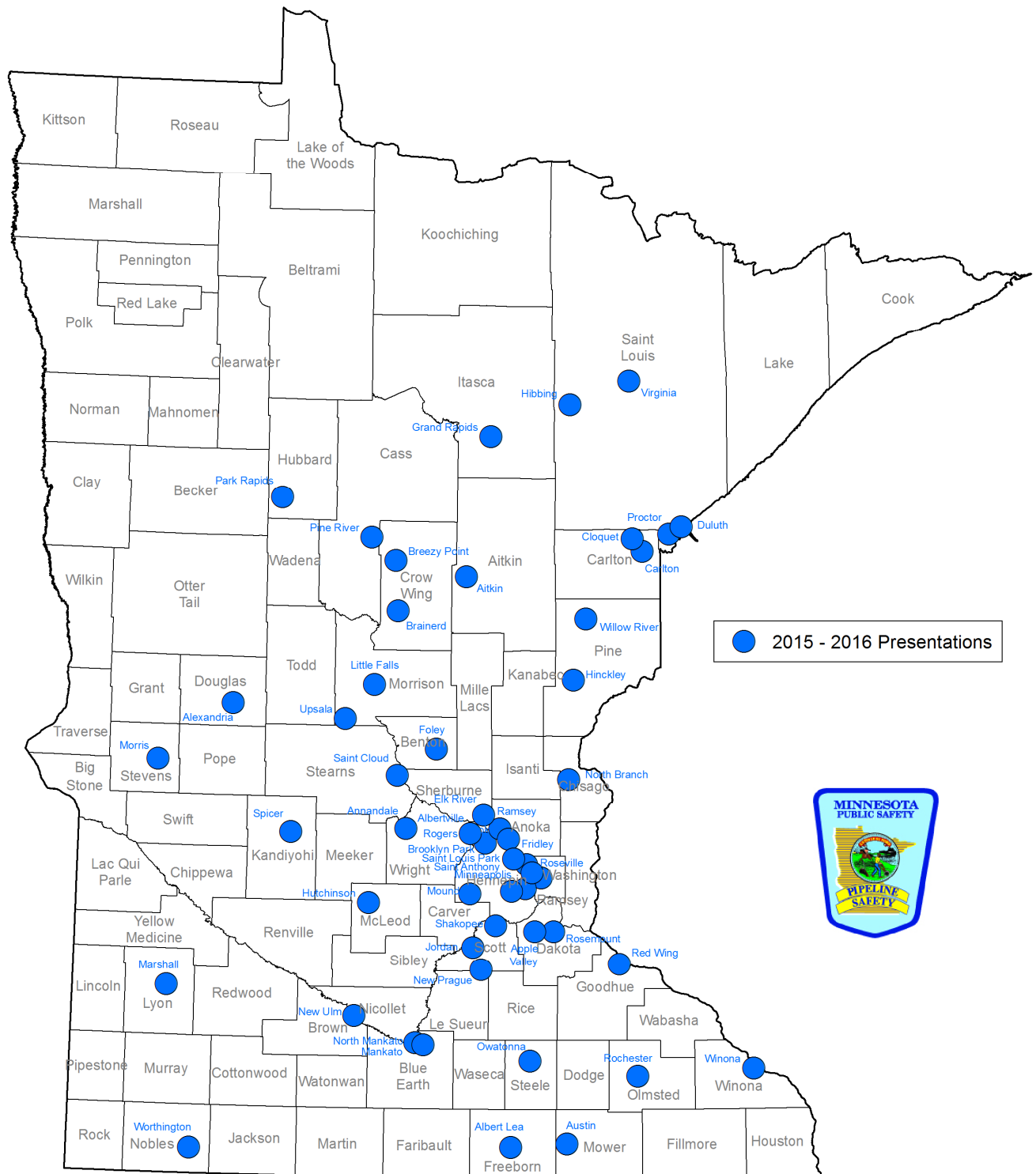


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141451374	2016 DPP - Oakdale (MUCC)	Oakdale, MN	Oakdale Prom Center	200
141451779	2016 MNOPS Damage Prevention Presentation	1785 Minnesota 210, Carlton, MN 55718	Black Bear Casino	61
141442693	2016 MNOPS DPP & 2016 GOSC DPP	102 South Ash Street, Crookston, MN 56716	Crookston American Legion	112
141446318	Rochester Area DPP	Rochester	Clarion Inn	140
141449879	2016 DPP - Ramsey	Ramsey, MN	Fountains of Ramsey	169
141451074	2016 DPP - Hibbing	1402 E. Howard St., Hibbing, MN	Hibbing Park Hotel and Suites	80
141451174	2016 DPP - Alexandria	115 30th Avenue East, Alexandria, MN	Fat Daddy's	118
141435985	DP - Ag Awareness	Las Vegas	CGA Conference	70
141443618	2016 DPP	Minneapolis	Curie Maintenance Facility	49
141443874	St. Cloud Excavator Training	St. Cloud, MN	Kelly Inn	34
141445785	LUCC Roadway Authorities DPP	Brainerd	Crow Wing Power	20
141456774	2016 DPP - City of Savage - League of MN Cities	6000 McColl Drive	Savage City Hall	15
50597418	MN OFFICE OF PIPELINE SAFETY; WHY ARE THEY HERE?	Duluth	Duluth Entertainment & Convention Center (DECC)	48
141442184	DPP	Local 49 Training Center	Local 49'ers Training Facility	25
141442493	2016 Damage Prevention Presentation	100 4th Ave S, St Cloud, MN 56301	St Cloud Best Western	40
141444374	DPP Michels	Lakeville	Crystal Lake Golf Course in Lakeville	50
141446879	2016 MNOPS DP Presentation	40276 Fishtail Road, Cloverdale, MN 55037	Local 49'ers Training Facility	35

141448579	2016 MNOPS Sewer Cross Bores Presentation	7025 Northland Drive North, Brooklyn Park, MN 55428	Marriott Northwest	112
50593874	MSPS Seminar	St. Louis Park	Doubletree	111
141444474	DPP - Mankato	1111 Range Street, North Mankato, MN 56003	Best Western Hotel and Conference Center	250
141447718	MP Nexlevel Safety meeting	9938 State Hwy. 55, Annandale, MN 55302		168
141448493	2016 MNOPS DPP - TDC	16700 Chippendale Ave W, Rosemount, MN 55068	McNamara Office	85
141450779	2016 MNOPS Damage Prevention Presentation	5600 85th Avenue North	Brooklyn Park Community Activity Center	212
141445985	2016 DPP - SCTE (Telecommunications)	St. Cloud, MN	Tuscan Center	45
141442593	2016 MNOPS DPP in Marshall	200 South A Street, Marshall, MN 56258	Marshall YMCA	42
141447281	2016 DPP Fehn	Albertville	City Hall	60
141452981	DPP	Brainerd	American Legion	130
141447181	2016 DPP	Austin MN	Austin Country Club	185
141447081	2016 DPP Shakopee	Shakopee MN	Canterbury Park	280
141449281	2016 DPP - Rosemount	Rosemount, MN	Rosemount Community Center	250
141451418	2016 DPP - Locator Workshop (56 attendees)	Little Falls	Little Falls VFW	56
141451584	DPP at 49er's	Hinckley	Union Training Center	33
141451918	2016 DPP - Morris Area DPP	Morris	Old No. 1 Bar & Grill	150
141452018	2016 DPP Contractor - Mlaskoch Utility Construction	Willow River	Mlaskoch Office	35

141453081	2016 DPP - Foley	Foley	Henry's Banquet Center	240
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**MINNESOTA DEPARTMENT OF PUBLIC SAFETY  
OFFICE OF PIPELINE SAFETY  
PIPELINE SAFETY AND DAMAGE PREVENTION PRESENTATIONS  
SEPTEMBER 30, 2015 - MARCH 31, 2016**



Prepared by the Minnesota Department of Public Safety, Office of Pipeline Safety, April 22, 2016.

## **2015 SDP Grant Summary of CGA/MNCGA Activities**

### **Progress Report Period 9/30/2015 – 3/31/2016**

Date	Case ID	Description	Hours
02-Oct-15	1270471	MNCGA Education Committee Mtg	2
08-Oct-15	1270471	MNCGA - Quarterly meeting *	3.5
08-Oct-15	1270471	MNCGA Quarterly Meeting *	3.5
08-Oct-15	1392771	Regional CGA *	5
03-Nov-15	1270471	MNCGA Best Practices Agenda	2
04-Nov-15	50510918	LUCC Meeting & CGA meetings	6
06-Nov-15	1270471	MNCGA Best Practices Committee Meeting *	4
06-Nov-15	1270471	MNCGA Best Practices Committee Meeting *	4
06-Nov-15	1392771	MNCGA Best Practices Committee Meeting *	4
16-Dec-15	50510918	UCC Meetings & CGA meetings	4
23-Dec-15	1270471	Best Practices Submittal to CGA	0.5
24-Dec-15	1270471	Best Practices Submittal to CGA	2
05-Jan-16	1270471	MNCGA Quarterly Meeting	3
19-Jan-16	1270471	MNCGA Education Committee - Presentation Planning	3
22-Jan-16	1270471	MNCGA Strategic Planning Session	1
26-Jan-16	141435985	2016 CGA Annual Conference	4
02-Feb-16	1270471	MNCGA Ag Meeting *	2
02-Feb-16	50510918	CGA meetings *	3
03-Feb-16	1270471	MNCGA BP Agenda	2
04-Feb-16	1270471	MNCGA Best Practices Committee – Meeting *	1
04-Feb-16	1270471	MNCGA BP Meeting *	4
04-Feb-16	1392771	MNCGA Best Practices Committee Meeting *	2
17-Feb-16	1270471	MCGA Quarterly Mtg *	2.5
17-Feb-16	1392771	MNCGA Qtry Meeting *	3
01-Mar-16	141435985	2016 CGA Annual Conference	2
07-Mar-16	1270471	Attending 2016 CGA Annual Conference, Las Vegas	8
08-Mar-16	1270471	Attending 2016 CGA Annual Conference, Las Vegas	8
09-Mar-16	1270471	Attending 2016 CGA Annual Conference, Las Vegas	8
10-Mar-16	1270471	CGA Ag Presentation	2
10-Mar-16	1270471	Attending 2016 CGA Annual Conference, Las Vegas	14
24-Mar-16	1270471	MNCGA Strategic Direction Plan Mtg	2.5
<b>Total meetings =</b>	<b>13</b>	<b>Total hours =</b>	<b>115.5</b>

\* = more than 1 MNOPS inspector attended meeting on this date

**2015 SDP Grant Summary of Utility Coordinating Committee  
(UCC) Activities  
Progress Report Period 9/30/2015 – 3/31/2016**

Date	Case ID	Description	Hours
04-Nov-15	50510918	LUCC Meeting & CGA meetings	6
16-Dec-15	50510918	UCC Meetings & CGA meetings	4
06-Jan-16	1270471	LUCC Meeting	6
26-Jan-16	1270471	MUCC Meeting	3.5
03-Feb-16	50510918	LUCC Meeting	3
16-Feb-16	1270471	MUCC Mtg *	0.5
16-Feb-16	50510918	MUCC Mtg – Rosemount *	2
24-Feb-16	1270471	PUCC Mtg *	4.5
24-Feb-16	50510918	PUCC meeting Owatonna *	5
02-Mar-16	141445785	Roadway authority presentation – LUCC *	4
02-Mar-16	141445885	LUCC meeting Brainerd *	4
15-Mar-16	1270471	MUCC Meeting	1.5
<b>Total meetings =</b>	<b>9</b>	<b>Total hours =</b>	<b>44</b>

\* = more than 1 MNOPS inspector attended meeting on this date

## ***2015 SDP Grant Summary of Public Education Event Activities Progress Report Period 9/30/2015 – 3/31/2016***

<b>Date</b>	<b>Case ID</b>	<b>Description</b>	<b>Hours</b>
03-Oct-15	50589279	Day of the Dozers *	10
03-Oct-15	50589279	Day of the Dozers *	8
10-Oct-15	1270871	Stillwater Fired Dept. Open House *	6
10-Oct-15	1270471	Stillwater FD Open House *	6
22-Oct-15	1270771	2015 MSFCA Conference *	8
22-Oct-15	1270771	2015 MSFCA Conference *	3.5
23-Oct-15	1270771	2015 MSFCA Conference *	8
23-Oct-15	50597418	2015 MSFCA Conference *	1
23-Oct-15	1270771	2015 MSFCA Conference *	7
23-Oct-15	1270771	2015 MSFCA Conference *	1.5
27-Feb-16	141446218	Mpls Home & Garden Show *	8
05-Mar-16	27696379	Mpls Home & Garden Show *	1.5
05-Mar-16	27696379	Mpls Home & Garden Show *	4.5
17-Mar-16	141449985	2016 North America Farm Show - Owatonna	7
<b>Total events =</b>	<b>5</b>	<b>Total hours =</b>	<b>80</b>

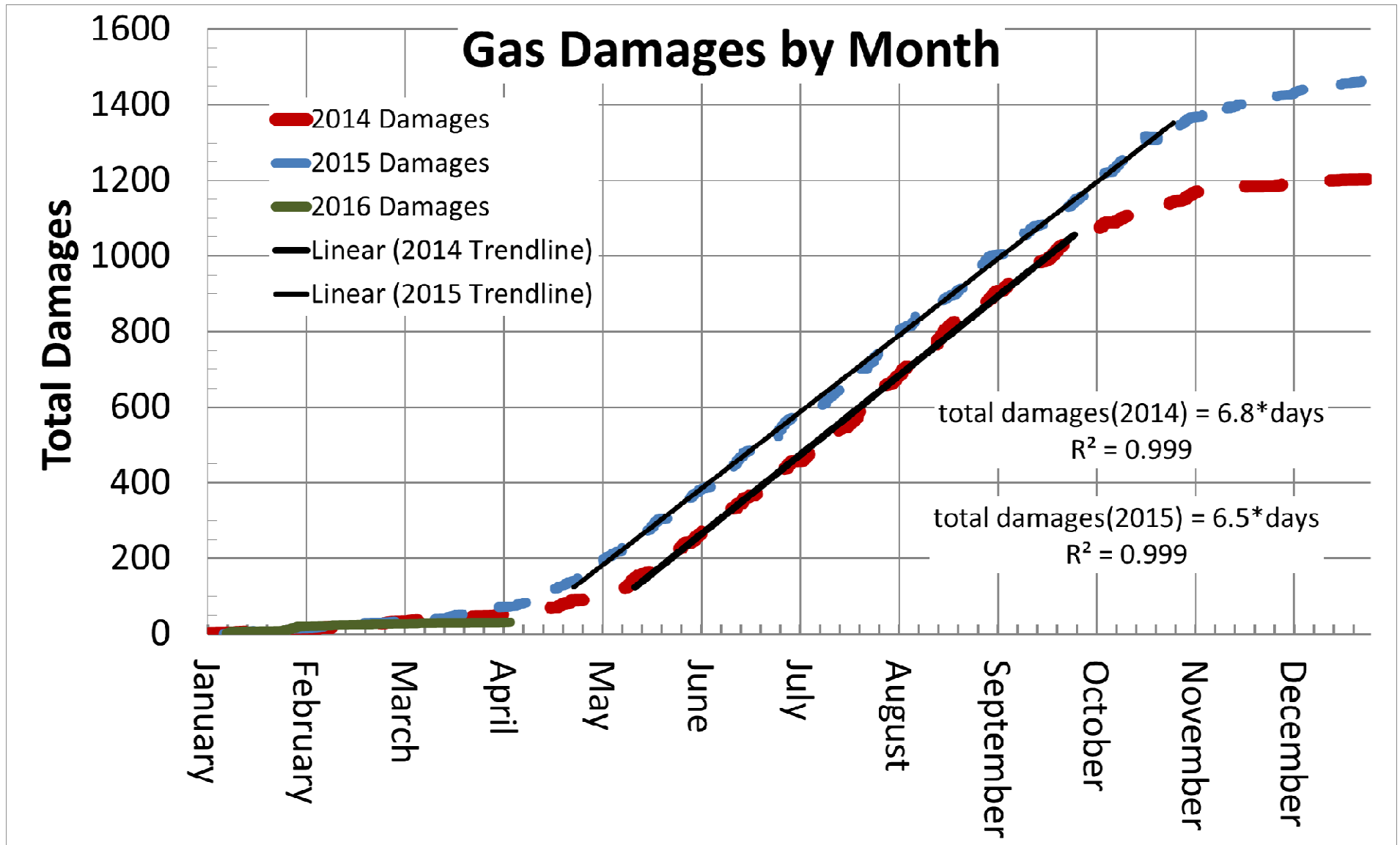
\* = more than 1 MNOPS inspector attended meeting on this date

## ***2015 SDP Grant Summary of Damage Reporting***

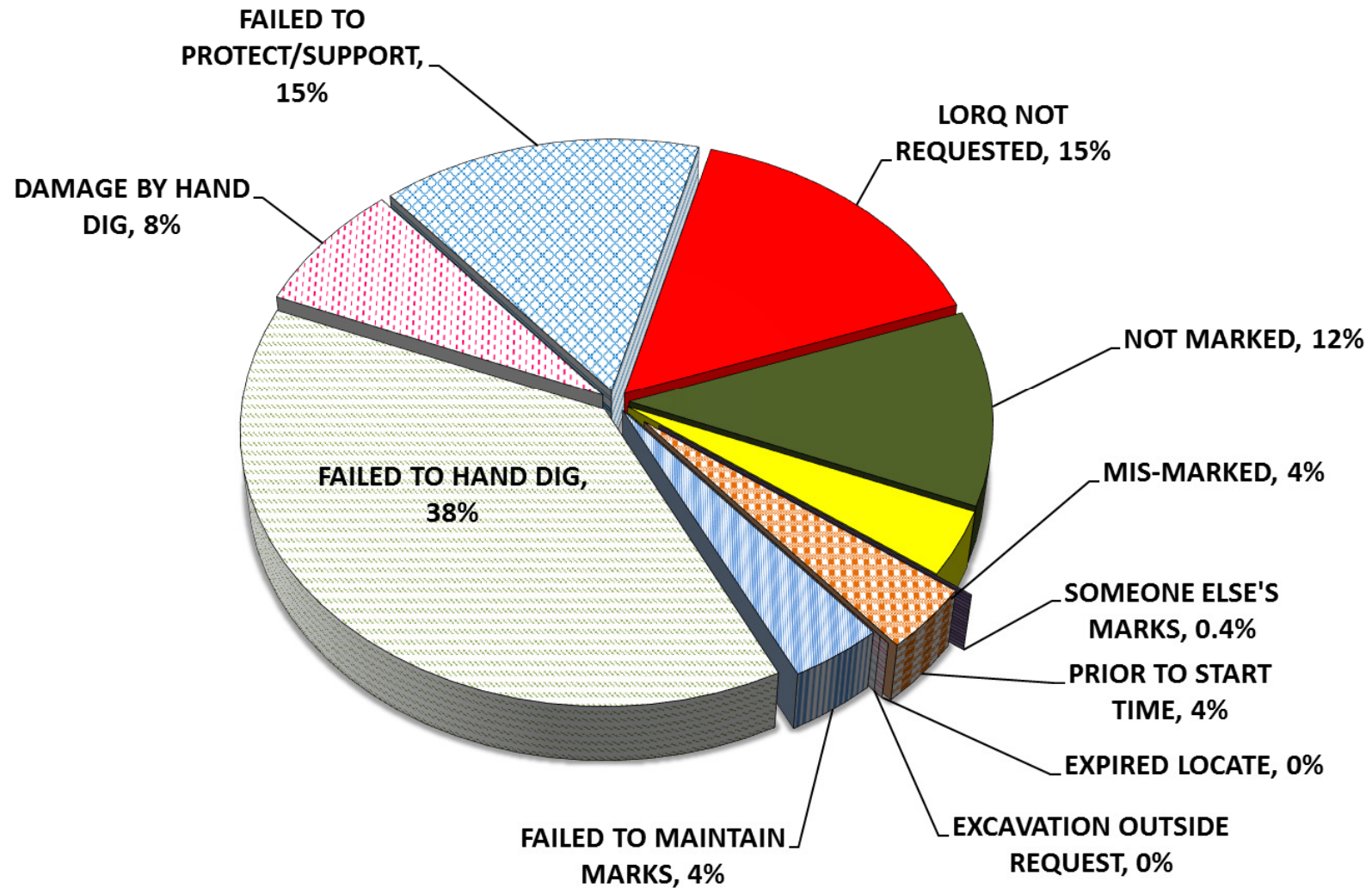
<b>ROOT CAUSE OF DAMAGE</b>	<b>DAMAGES 2014</b>	<b>DAMAGES 2015</b>	<b>DAMAGES 2016</b>
LORQ NOT REQUESTED	14.7%	11.4%	15.4%
NOT MARKED	4.6%	9.4%	11.5%
MIS-MARKED	9.4%	6.7%	3.8%
SOMEONE ELSE'S MARKS	0.6%	1.1%	0.0%
PRIOR TO START TIME	1.8%	1.3%	3.8%
EXPIRED LOCATE	2.4%	2.5%	0.0%
EXCAVATION OUTSIDE REQUEST	1.6%	2.2%	0.0%
FAILED TO MAINTAIN MARKS	6.4%	7.5%	3.8%
FAILED TO HAND DIG	18.2%	26.1%	38.5%
DAMAGE BY HAND DIG	22.5%	21.1%	7.7%
FAILED TO PROTECT/SUPPORT	17.8%	10.7%	15.4%

<b>ROOT CAUSE OF DAMAGE</b>	<b>DAMAGES 2014</b>	<b>DAMAGES 2015</b>	<b>DAMAGES 2016</b>
LORQ NOT REQUESTED	179	157	4
NOT MARKED	56	129	3
MIS-MARKED	114	92	1
SOMEONE ELSE'S MARKS	7	15	0
PRIOR TO START TIME	22	18	1
EXPIRED LOCATE	29	34	0
EXCAVATION OUTSIDE REQUEST	20	31	0
FAILED TO MAINTAIN MARKS	78	104	1
FAILED TO HAND DIG	221	359	10
DAMAGE BY HAND DIG	273	291	2
FAILED TO PROTECT/SUPPORT	217	148	4
Total	1216	1378	26





# 2016 Gas Damages by Cause



**Issues, Problems or Challenges (Item 3 under Article IX, Section 9.01 Progress Report: “The reasons for slippage if established objectives were not met. “)**

MNOPS has not encountered any issues or challenges during the current SDP grant period thus far.

#### **Mid-term Financial Status Report**

The mid-term financial report will be sent as a separate attachment to the AA and AOTR (Form SF-425). Included with be a breakdown of costs for each object class category (Personnel, Fringe Benefits, Travel, Equipment, Supplies, Contractual, Other and Indirect Charges).

#### **Plans for Next Period (Remainder of Grant)**

Continue with the objectives listed above.

#### **Requests of the AOR and/or PHMSA**

No actions requested at this time.