

U.S. Department of Transportation
Pipeline and Hazardous
Materials Safety
Administration

2018 Gas State Program Evaluation

for

MAINE PUBLIC UTILITIES COMMISSION

Document Legend PART:

- O -- Representative Date and Title Information
- A -- Progress Report and Program Documentation Review
- B -- Program Inspection Procedures
- C -- Program Performance
- D -- Compliance Activities
- E -- Incident Investigations
- F -- Damage Prevention
- Bulliage Treventio
- G -- Field Inspections
- H -- Interstate Agent State (If Applicable)
- I -- 60106 Agreement State (If Applicable)



2018 Gas State Program Evaluation -- CY 2018 Gas

State Agency: Maine Rating:

Agency Status: 60105(a): Yes 60106(a): No Interstate Agent: No

Date of Visit: 07/23/2019 - 07/25/2019 **Agency Representative:** August 9, 2019

Gary Kenny

Gas Safety Manager

PHMSA Representative: Clint Stephens

Commission Chairman to whom follow up letter is to be sent:

Name/Title: Mr. Philip L. Bartlett II, Chairman Agency: Maine Public Utilities Commission

Address: State House Station 18
City/State/Zip: Augusta, Maine 04333-0018

INSTRUCTIONS:

Complete this evaluation in accordance with the Procedures for Evaluating State Pipeline Safety Program. The evaluation should generally reflect state program performance during CY 2018 (not the status of performance at the time of the evaluation). All items for which criteria have not been established should be answered based on the PHMSA representative's judgment. A deficiency in any one part of a multiple part question should be scored as needs improvement. Determine the answer to the question then select the appropriate point value. If a state receives less then the maximum points, include a brief explanation in the space provided for general comments/regional observations. If a question is not applicable to a state, select NA. Please ensure all responses are COMPLETE and ACCURATE, and OBJECTIVELY reflect state program performance. Increasing emphasis is being placed on performance. This evaluation together with selected factors reported in the state's annual progress report attachments provide the basis for determining the state's pipeline safety grant allocation.

Scoring Summary

PARTS		Possible Points	Points Scored
A	Progress Report and Program Documentation Review	10	10
В	Program Inspection Procedures	13	13
C	Program Performance	49	49
D	Compliance Activities	15	15
E	Incident Investigations	6	6
F	Damage Prevention	8	8
G	Field Inspections	11	11
Н	Interstate Agent State (If Applicable)	0	0
I	60106 Agreement State (If Applicable)	0	0
TOTA	LS	112	112
State F	Rating		100.0





Report.

List of Planned Performance - Did state describe accomplishments on Progress Report in detail - Progress Report Attachment 10
 Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

There seems to be no issue with accuracy in Attachment 10 of Progress Report. Accelerated main replacement program? 3.59 miles of cast iron main, 1.2 miles of bare/unprotected steel main, and .4 miles of plastic pipe were replaced in 2018. ME PUC utilizes IA for inspections, along with the Spotter software.

10 General Comments:

Info OnlyInfo Only

Info Only = No Points Evaluator Notes:

There were no issues in Part A of evaluation.

Total points scored for this section: 10 Total possible points for this section: 10



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1	Standard Inspection procedures should give guidance to state inspectors that insure
	consistency in all inspections conducted by the state? The following elements should be
	addressed at a minimum - pre-inspection activities, inspection activities, post-inspection
	activities.
	Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

Appendix C, ?C of the MPUC Gas Safety Program Procedures includes the general Pre-Inspection, Inspection, and Post Inspection Activities which are incorporated for all inspection types.

2 IMP and DIMP Inspection procedures should give guidance to state inspectors that insure consistency in all inspections conducted by the state? The following elements should be addressed at a minimum - pre-inspection activities, inspection activities, post-inspection activities.

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Appendix C, ?C of the MPUC Gas Safety Program Procedures includes the general Pre-Inspection, Inspection, and Post Inspection Activities which are incorporated for all inspection types.

3 OQ Inspection procedures should give guidance to state inspectors that insure consistency in all inspections conducted by the state? The following elements should be addressed at a minimum - pre-inspection activities, inspection activities, post-inspection activities.

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Appendix C, ?C of the MPUC Gas Safety Program Procedures includes the general Pre-Inspection, Inspection, and Post Inspection Activities which are incorporated for all inspection types.

4 Damage Prevention Inspection procedures should give guidance to state inspectors that insure consistency in all inspections conducted by the state? The following elements should be addressed at a minimum - pre-inspection activities, inspection activities, postinspection activities.

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Appendix C, ?C of the MPUC Gas Safety Program Procedures includes the general Pre-Inspection, Inspection, and Post Inspection Activities which are incorporated for all inspection types. Damage Prevention inspections are primarily conducted by the MPUC Damage Prevention Staff, per the Chapter 895 Rule, and the Gas Safety Staff becomes involved if the circumstances warrant.

5 Any operator training conducted should be outlined and appropriately documented as needed.

Yes = 1 No = 0 Needs Improvement = .5

MPUC Gas Safety Staff participates in the New England Pipeline Safety Seminars with the other five New England states. These seminars are conducted annually in conjunction with TQ and are referenced in Section 9 of the MPUC Gas Safety Program Procedures, as well as

1

included on the annual inspection plan (see Attachment 1 to Appendix C of the Procedures). The MAINE PUC hosted the 2016 seminar on October 19 and 20. These seminars and any other training that is conducted is logged on the Inspection Tracker spreadsheet. There was no seminar in 2017; Rhode Island did not keep its commitment to host it. The 2018 seminar was held in New Hampshire.

6	Construction Inspection procedures should give guidance to state inspectors that insure
	consistency in all inspections conducted by the state? The following elements should be
	addressed at a minimum - pre-inspection activities, inspection activities, post-inspection
	activities

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6

Yes (•)

Yes (•)

Yes (•)

Yes (•)

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Appendix C, ?C of the MPUC Gas Safety Program Procedures includes the general Pre-Inspection, Inspection, and Post Inspection Activities which are incorporated for all inspection types.

Does inspection plan address inspection priorities of each operator, and if necessary each unit, based on the following elements?

6

No ()

No 🔾

No ()

No C

Needs

Needs

Needs

Needs

Needs

Needs

Improvement

Improvement

Improvement

Improvement

Improvement

Improvement

Yes = 6 No = 0 Needs Improvement = 1-5

- Length of time since last inspection (Within five year interval) a.
- b. Operating history of operator/unit and/or location (includes leakage, incident and compliance activities)
 - Type of activity being undertaken by operators (i.e. construction)
- d. Locations of operators inspection units being inspected - (HCA's, Geographic areas. Population Density, etc)
- Process to identify high-risk inspection units that includes all threats (Excavation Damage, Corrosion, Natural Forces, Outside Forces, Material and Welds, Equipment, Operators and any Other Factors)
 - Yes () Yes (•) No ()

f. Are inspection units broken down appropriately?

Evaluator Notes:

c.

The process for developing the inspection plan is located in Appendix C of the MPUC Gas Safety Program Procedures. Section A of Appendix C provides the background and foundation of the inspection program. Section B of the Appendix discusses both planned and risk-based inspections, including the elements considered when planning inspections annually. Appendix A of the Procedures includes a breakdown of inspection units.

Info OnlyInfo Only

8 General Comments:

Info Only = No Points

Evaluator Notes:

There were no issues in Part B of evaluation.

Total points scored for this section: 13 Total possible points for this section: 13



1	Was ratio of Total Inspection person-days to total person days acceptable? (Director of State Programs may modify with just cause) Chapter 4.3 $Yes = 5 No = 0$	5		5
	A. Total Inspection Person Days (Attachment 2): 242.00			
	B. Total Inspection Person Days Charged to the Program (220 X Inspection Person Years) (Attachment 7): 220 X 2.50 = 550.00			
	Ratio: A / B 242.00 / 550.00 = 0.44			
Zvoluot	If Ratio >= 0.38 Then Points = 5, If Ratio < 0.38 Then Points = 0 Points = 5			
	or Notes: io = A/B = 242/550 = 0.44 > 0.38. No issues.			
2	Has each inspector and program manager fulfilled the T Q Training Requirements? (See Guidelines Appendix C for requirements) Chapter 4.4 Yes = 5 No = 0 Needs Improvement = 1-4	5		5
	a. Completion of Required OQ Training before conducting inspection as lead?	Yes •	No 🔘	Needs Improvement
	b. Completion of Required DIMP*/IMP Training before conducting inspection as lead? *Effective Evaluation CY2013	Yes •	No 🔾	Needs Improvement
	c. Root Cause Training by at least one inspector/program manager	Yes 💿	No 🔾	Needs Improvement
	d. Note any outside training completed	Yes •	No 🔘	Needs Improvement
	e. Verify inspector has obtained minimum qualifications to lead any applicable standard inspection as the lead inspector.	Yes •	No 🔾	Needs Improvement
All	or Notes: inspectors and program manager have fulfilled the T & Q Training requirements. Sean Waterse, Root Cause analysis, and PAPEE seminar.	son has i	not comp	bleted IM
3	Did state records and discussions with state pipeline safety program manager indicate adequate knowledge of PHMSA program and regulations? Chapter 4.1,8.1 Yes = 2 No = 0 Needs Improvement = 1	2		2
Yes	or Notes: s. Discussion with state pipeline safety program manager indicated adequate knowledge of Fulations.	PHMSA]	program	and
4	Did state respond to Chairman's letter on previous evaluation within 60 days and correct or address any noted deficiencies? (If necessary) Chapter 8.1 Yes = 2 No = 0 Needs Improvement = 1	2		2
Evaluat	or Notes:			
The	ere was no response required from the Chairman's letter which had no noted deficiencies.			
5	Did State conduct or participate in pipeline safety training session or seminar in Past 3 Years? Chapter 8.5	1		1



Yes = 1 No = 0

Evaluator Notes: MPUC Gas Safety Staff participates in the New England Pipeline Safety Seminars with the other five New England states. These seminars are conducted annually in conjunction with TQ and are referenced in Section 9 of the MPUC Gas Safety Program Procedures, as well as included on the annual inspection plan (see Attachment 1 to Appendix C of the Procedures). The MPUC hosted the 2016 seminar on October 19 and 20. The MPUC participated in the 2018 seminar hosted by New Hampshire.

	(N1SB) Chapter 5.1 Yes = 1 No = 0
Evaluato	or Notes:
Onl	y one operator in Maine? Unitil (Northern Utilities)? has cast iron pipe in their system. Section cedures (dated 3/1/18, Version 8) states the following:
(c)	Cast Iron Piping
Che corr con	seck cast iron pipe for graphitization corrosion. Look for soft black spots underneath the scale are rosion product. This type of corrosion is attributed to the iron being selectively dissolved, leaving sisting largely of graphite. The material remaining may appear intact but is relatively soft, and ly with a sharp instrument.
Eac	h segment of cast iron or ductile iron pipe on which general graphitization is found to a degree
Eac	tage might result must be replaced. The segment of cast iron or ductile pipe on which localized graphitization is found to a degree what is the replaced, repaired, or sealed by internal sealing methods adequate to prevent or arrest any
9	Did the state review operator procedures for surveillance of cast iron pipelines, including appropriate action resulting from tracking circumferential cracking failures, study of leakage history, or other unusual operating maintenance condition? (Note: See GPTC Appendix G-18 for guidance) (NTSB) Chapter 5.1 $Yes = 1 No = 0$
Evaluate	or Notes:
Uni	til (Northern Utilities) has a cast iron and bare steel model used for the ranking of pipe and the
10	Did the state review operator emergency response procedures for leaks caused by excavation damage near buildings and determine whether the procedures adequately address the possibility of multiple leaks and underground migration of gas into nearby buildings Refer to 4/12/01 letter from PHMSA in response to NTSB recommendation P-00-20 and P-00-21? (NTSB) Chapter 5.1
Evaluate	Yes = 1 No = 0 or Notes:
	s question is included as part the MPUC standard inspections in IA equivalent form.
1 111	s question is meruded as part the init of standard inspections in 1/2 equivalent form.

5 5

2

intervals established in written procedures? Chapter 5.1

Did state inspect all types of operators and inspection units in accordance with time

Yes = 5 No = 0 Needs Improvement = 1-4

6

Reviewed inspection reports for Bangor Natural Gas (Standard O&M, IM) and Summit Natural Gas of Maine (OQ, O&M). The MPUC inspected all types of operators and inspection units in accordance with time intervals established in written

7 Did inspection form(s) cover all applicable code requirements addressed on Federal Inspection form(s)? Did State complete all applicable portions of inspection forms? Chapter 5.1

2

Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

The MPUC Gas Safety staff uses PHMSA forms for all inspection types for which forms are available. All portions of the forms applicable to the type of inspection being conducted are completed. Beginning in 2016, with few exceptions (such as D&A, Construction, & LPG), PHMSA's IA was and is continuing to be utilized to build applicable inspection forms.

8 Did the state review operator procedures for determining if exposed cast iron pipe was examined for evidence of graphitization and if necessary remedial action was taken?

1

1

on 2.4 of their O&M

nd tightly bonded soil or ng a porous mass may be scraped or indented

where a fracture or

here leakage might result, leakage.

1

1

1

priority of its replacement.

1

	NPMS database along with changes made after original submission? Yes = 1 No = 0 Needs Improvement = .5
	1
14	Is the state verifying operators are conducting drug and alcohol tests as required by regulations? This should include verifying positive tests are responded to in accordance with program. 49 CFR 199 Yes = 2 No = 0 Needs Improvement = 1
	1
15	Is state verifying operators OQ programs are up to date? This should include verification of any plan updates and that persons performing covered tasks (including contractors) are properly qualified and requalified at intervals determined in the operators plan. 49 CFR 192 Part N Yes = 2 No = 0 Needs Improvement = 1
Cha _j	MPUC performed OQ Program inspections for Summit Natural Gas and Maine Natural Gapter 420 ? 7.D.1.d requires that natural gas operators submit their OQ plans to the MPUC apperator's and contractor's personnel is verified each time tasks are observed during inspect lable at the time of the inspection, they are either requested from the operator or obtained for the inspection.
16	Is state verifying operator's gas transmission integrity management programs (IMP) are up to date? This should include a previous review of IMP plan, along with monitoring progress on operator tests and remedial actions. In addition, the review should take in to account program review and updates of operators plan(s). (Are the State's largest operators programs being contacted or reviewed annually? Are replies to Operator IM notifications addressed? (formerly part of Question C-13)). 49 CFR 192 Subpart 0 Yes = 2 No = 0 Needs Improvement = 1

11 Did the state review operator records of previous accidents and failures including 1 reported third party damage and leak response to ensure appropriate operator response as required by 192.617? Chapter 5.1 Yes = 1 No = 0**Evaluator Notes:** MPUC Rule Chapter 420 ? E.3 requires that operators provide monthly reports to the MPUC of the response times to emergency calls. Any responses exceeding 60 minutes, without an adequate explanation, are investigated. The MPUC Damage Prevention Investigators (DPIs) investigate all damage prevention incidents whether or not there are any facility damages. The DPIs discuss natural gas and LPG related incidents with the Program Manager and/or Inspector(s). When warranted, incidents are also investigated to see if pipeline safety violations were involved. There were no incidents or accidents in 2018 which required reporting under Part 191. 12 Has the state reviewed Operator Annual reports, along with Incident/Accident reports, for 2 2 accuracy and analyzed data for trends and operator issues? Yes = 2 No = 0 Needs Improvement = 1**Evaluator Notes:** The annual reports are reviewed for trends regarding cast iron and unprotected steel pipe (only one operator has them), mains and services, leaks, damages, and unaccounted for gas. Please see attached annual report summary and unaccounted for gas history. There were no incidents or accidents in 2018 which required reporting under part 191. 13 1 1 Has state confirmed intrastate transmission operators have submitted information into Summit Natural Gas, and 2 2 ted, in 2018, for the contractors 2 2 on are R Gas in 2018. ME PUC Rule annually. The qualification of ctions. If the records are not

The MPUC inspected Bangor Gas' IMP plan in 2014 and is scheduled for 2018/2019. The IMP plans of Summit Natural Gas

2

from the appropriate database.

2

and Woodland Pulp were inspected in 2015. Maine Natural Gas' transmission pipeline has no HCAs. The IMP records of Summit were reviewed in 2016 and their verification digs were reviewed in 2017.

Is state verifying operator's gas distribution integrity management Programs (DIMP)? This should include a review of DIMP plans, along with monitoring progress. In addition, the review should take in to account program review and updates of operators plan(s). (Are the State's largest operators programs being contacted or reviewed annually?). 49 CFR 192 Subpart P

Yes = 2 No = 0 Needs Improvement = 1

2 2

Evaluator Notes:

The DIMP plans of all LP operators were reviewed in 2014. Summit Natural Gas' distribution system went in service in 2014 and their DIMP plan was inspected in 2015. The DIMP plans of the other utilities have been inspected as follows:

? Bangor Gas ? 2014 and 2016

? Maine Natural Gas ? 2013, 2016, and 2017.

? Unitil? 2012 and 2016.

Unitil is the largest operator. Numerous inspections are conducted each year pertaining to their cast iron replacement.

Is state verifying operators Public Awareness programs are up to date and being followed. State should also verify operators have evaluated Public Awareness programs for effectiveness as described in RP1162. PAPEI Effectiveness Inspections should be conducted every four years by operators. 49 CFR 192.616

Yes = 2 No = 0 Needs Improvement = 1

2

2

Evaluator Notes:

The following are the years of the most recent Public Awareness inspections:

? Bangor Gas: 2013 & 2016

? Maine Natural Gas: 2013 and 2018 ? Summit Natural Gas: 2015 and 2017

? Unitil: 2012 & 2016

? Woodland Pulp: 2015 with 2016 review of 2015 stakeholder surveys

Does the state have a mechanism for communicating with stakeholders - other than state 1 pipeline safety seminar? (This should include making enforcement cases available to public).

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

The following methods of communication are utilized:

? Dissemination of Federal Register notices and other pertinent information to operators via e-mail. The Program Manager maintains operator distribution lists (LPG and Natural Gas) for dissemination of these notices.

? Information concerning gas safety regulations and contact information is available on the Commission website.

Enforcement cases are available to the public through the Commission's Case Management System.

20 Did state execute appropriate follow-up actions to Safety Related Condition (SRC) 1 1 Reports? Chapter 6.3

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

concerns?

The following methods of communication are utilized:

? Dissemination of Federal Register notices and other pertinent information to operators via e-mail. The Program Manager maintains operator distribution lists (LPG and Natural Gas) for dissemination of these notices.

? Information concerning gas safety regulations and contact information is available on the Commission website. Enforcement cases are available to the public through the Commission's Case Management System.

Did the State ask Operators to identify any plastic pipe and components that has shown a record of defects/leaks and what those operators are doing to mitigate the safety

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- ? Inspection Activity? Inspection days per 1,000 miles gas pipelines decreased from 2017 to 2018 (distribution, gathering, and transmission). Inspection days increased from 2017 to 2018 for master meters and LPG operators.
- ? Inspector Qualification? stayed consistent from 2017 to 2018.
- Leak Management? Total leaks eliminated/repaired increased from 2017 to 2018; hazardous leaks eliminated/ repaired stayed the same from 2016 to 2018. No leaks scheduled for repair at the end of year both 2017 and 2018.
- Enforcement and Incident Investigation performance metrics have remained outstanding from 2014 to 2017.
- 26 Discussion with State on accuracy of inspection day information submitted into State Inspection Day Calculation Tool (SICT) Has the State updated SICT data? No = 0 Yes = 1

Evaluator Notes:

The SICT calculation for CY2018 is 216, and Attachment 2 indicates ME PUC inspection days for CY2018 was 242. No issue.

1

27 Did the State verify Operators took appropriate action regarding Pipeline Flow Reversals, 1
Product Changes and Conversions to Service? See ADP-2014-04
Needs Improvement = .5 No = 0 Yes = 1

Evaluator Notes:

Pipeline Flow Reversals have not occurred. In 2013, Bangor Gas began rehabilitating a portion of a former US Air Force jet fuel pipeline, abandoned for several years, for use as a natural gas pipeline. The MPUC has conducted numerous inspections on this segment of pipeline.

28 General Comments: Info Only = No Points Info OnlyInfo Only

Evaluator Notes:

There were no issues in Part C of evaluation.

Total points scored for this section: 49 Total possible points for this section: 49



1	Does the state have written procedures to identify steps to be taken from the discovery to resolution of a probable violation? Chapter 5.1 Yes = 4 No = 0 Needs Improvement = 1-3	4		4
	a. Procedures to notify an operator (company officer) when a noncompliance is identified	Yes •	No 🔘	Needs Improvement
	b. Procedures to routinely review progress of compliance actions to prevent delays or breakdowns	Yes •	No 🔾	Needs Improvement
	c. Procedures regarding closing outstanding probable violations	Yes	No 🔾	Needs Improvement
	or Notes: sendix D of the MPUC Gas Safety Program Procedures addresses compliance action procedures and compliance tracking and follow-up.	ires, inclu	ıding no	otification of
2	Did the state follow compliance procedures (from discovery to resolution) and adequately document all probable violations, including what resolution or further course of action is needed to gain compliance? (Incident Investigations do not need to meet 30/90 day requirement) Chapter 5.1 Yes = 4 No = 0 Needs Improvement = 1-3	4		4
	a. Were compliance actions sent to company officer or manager/board member if municipal/government system?	Yes •	No 🔘	Needs Improvement
	b. Document probable violations	Yes •	No 🔾	Needs Improvement
	c. Resolve probable violations	Yes •	No 🔾	Needs Improvement
	d. Routinely review progress of probable violations	Yes •	No 🔾	Needs Improvement
	e. Within 30 days, conduct a post-inspection briefing with the owner or operator of the gas or hazardous liquid pipeline facility inspected outlining any concerns; and	Yes •	No 🔾	Needs Improvement
C14-	f. Within 90 days, to the extent practicable, provide the owner or operator with written preliminary findings of the inspection.	Yes •	No 🔾	Needs Improvement
The viol	or Notes: MPUC has followed compliance procedures from discovery to resolution and has adequatel ations. The MPUC needs to continue to monitor open probable violations until closure, and probable violations. Compliance actions are tracked by MPUC Gas Safety Program Staff on	routinely	review	
3	Did the state issue compliance actions for all probable violations discovered? Yes = 2 No = 0 Needs Improvement = 1	2		2
Rev	or Notes: iewed O&M inspections for Bangor Natural Gas and Summit Natural gas for which the state all probable violations discovered.	e issued c	omplian	ace actions
4	Did compliance actions give reasonable due process to all parties? Including "show cause" hearing if necessary. Yes = $2 \text{ No} = 0$	2		2
Yes	or Notes: The MPUC gave reasonable due process to all parties for compliance actions, with no shownsary in CY2018.	w cause h	earings	being
5	Is the program manager familiar with state process for imposing civil penalties? Were civil penalties considered for repeat violations (with severity consideration) or violations	2		2

Yes. The program manager is familiar with the state process for imposing civil pnealties.

resulting in incidents/accidents? (describe any actions taken)

The following are MPUC Dockets for which there were NOPVs issued in 2018; including the NOPV previously referenced. The associated penalty amounts assessed are also listed:

? 2018-00011 - \$ 15,000

Yes = 2 No = 0 Needs Improvement = 1



? 2018-00012 - \$ 15,000 ? 2018-00077 - \$ 5,000 ? 2018-00077 - \$ 25,000

Total: \$60,000

6 Can the State demonstrate it is using their enforcement fining authority for pipeline safety 1 violations?

Yes = 1 No = 0 Needs Improvement = .5

Evaluator Notes:

Yes. There was a total of \$60,000 assessed to operators in CY2018.

General Comments:
Info Only = No Points

Info OnlyInfo Only

Evaluator Notes:

There were no issues in Part D of evaluation.

Total points scored for this section: 15 Total possible points for this section: 15



1	Does the state have written procedures to address state actions in the event of an incident accident? Yes = 2 No = 0 Needs Improvement = 1	/ 2		2
Evaluat	res = 2 No = 0 Needs improvement = 1 for Notes:			
	PUC Gas Safety Program Procedures include Accident Investigation Procedures detailed in A	ppendix	E.	
2	Does state have adequate mechanism to receive and respond to operator reports of incidents, including after-hours reports? And did state keep adequate records of Incident Accident notifications received? Chapter 6 Yes = 2 No = 0 Needs Improvement = 1	2		2
	a. Acknowledgement of MOU between NTSB and PHMSA (Appendix D)	Yes 💿	No 🔘	Needs Improvemen
Evoluet	b. Acknowledgement of Federal/State Cooperation in case of incident/accident (Appendix E) for Notes:	Yes •	No 🔾	Needs Improvemen
Op	erators are required to notify Commission Staff in some cases, including incident reporting, puirements. No incidents were reported to MPUC in 2018 that warranted investigation.	er MPU	C Chapt	er 130
3	If onsite investigation was not made, did state obtain sufficient information from the operator and/or by other means to determine the facts to support the decision to not go on-site? Chapter 6	1		1
	Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$			
	or Notes:	. •		
	notifications received in accordance with MPUC Chapter 130, which may not meet the report are evaluated for the need to go on-site. There were no incidents that required onsite investigations.			ts of Part
	r are evaluated for the need to go on-site. There were no incluents that required offsite invest	igation i		
4	Were all incidents investigated, thoroughly documented, and with conclusions and recommendations? Yes = 3 No = 0 Needs Improvement = 1-2	3	N.	A
	a. Observations and document review	Yes •	No 🔘	Needs Improvemen
	b. Contributing Factors	Yes •	No 🔘	Needs
	c. Recommendations to prevent recurrences when appropriate	Yes •	No ()	Improvemen Needs
Evaluat	or Notes:	Ü	Ü	Improvemen
	ere were no reportable incidents in 2018.			
5	Did the state initiate compliance action for violations found during any incident/accident investigation? $Yes = 1 No = 0$	1	N.	A
Evaluat	or Notes:			
The	ere were no reportable incidents in 2018.			
6	Did the state assist Region Office or Accident Investigation Division (AID) by taking appropriate follow-up actions related to the operator incident reports to ensure accuracy and final report has been received by PHMSA? (validate report data from operators concerning incidents/accidents and investigate discrepancies) Chapter 6 Yes = 1 No = 0 Needs Improvement = .5	1	N.	A

7 Does state share lessons learned from incidents/accidents? (sharing information, such as: 1 at NAPSR Region meetings, state seminars, etc)

There were no incidents in 2018, reportable in accordance with Part 191, that required investigation and no assistance was

Yes = 1 No = 0

requested from PHMSA.

Evaluator Notes:

Evaluator Notes:

There were no incidents or accidents, reportable in accordance with Part 191, in 2018 or recent years. However, lessons learned on other matters are presented regularly at NAPSR meetings and state seminars.

? The Program Manager has discussed the history of recent HDD cross bore and pipe joining issues, in Maine, at the 2015, 2016, and 2017 NAPSR Eastern Region meetings.

? The MPUC Gas Safety staff is actively participating in a working group, consisting of several Eastern Region states, dealing with Operator Qualification issues.

? Lesson learned information is also passed along to both natural gas and LPG Operators by group e-mails.

8 General Comments:

Info OnlyInfo Only

Info Only = No Points

Evaluator Notes:

There were no issues in Part E of evaluation.

Total points scored for this section: 6 Total possible points for this section: 6



2

1 Has the state reviewed directional drilling/boring procedures of each pipeline operator or 2 its contractor to determine if they include actions to protect their facilities from the dangers posed by drilling and other trench less technologies? NTSB Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

This is a requirement of MPUC Rule Chapter 420 and its incorporation in Operators' O&M Procedures is verified during inspections. Likewise, Ch. 420 includes the requirement to have procedures to prevent cross bores. The latter requirement resulted in a 2014 NOPV to Summit Natural Gas with a recommended penalty of \$150,000. It was settled at \$100,000. A similar NOPV was issued to Summit, in 2016, with a recommended penalty of \$250,000. The full amount was collected. A third NOPV, for a pneumatic punch damage to a sewer lateral, was issued to Summit on December 21, 2017 with a recommended penalty of \$150,000. This is still in the adjudicatory process. A Summit damage to a residential electrical service, by HDD, is still being investigated.

2 Did the state inspector verify pipeline operators are following their written procedures 2 2 pertaining to notification of excavation, marking, positive response and the availability and use of the one call system? Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

The Dig Safe ticket number (indicating notification) is verified during construction inspections for work by the operator and their contractors. Random, unannounced construction site visits, by the Damage Prevention Investigators, verify marking and positive response.

Did the state encourage and promote practices for reducing damages to all underground 2 2 facilities to its regulated companies? (i.e. such as promoting/adopting the CGA Best Practices encouraging adoption of the 9 Elements, etc.) Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

The CGA Best Practices are promoted through training by the MPUC's Damage Prevention Investigators and the annual training by Maine's Managing Underground Safety Training (MUST) Committee, in which the MPUC actively participates. The CGA Best Practices are also referenced in ?3.B.a. of MPUC Rule Chapter 420, SAFETY STANDARDS FOR NATURAL GAS AND LIQUEFIED NATURAL GAS FACILITY OPERATORS, regarding the qualification of pipeline locating personnel.

4 2 2 Has the agency or another organization within the state collected data and evaluated trends on the number of pipeline damages per 1,000 locate requests? (This can include DIRT and other data shared and reviewed by the pipeline safety program) Yes = 2 No = 0 Needs Improvement = 1

Evaluator Notes:

The Damage Prevention Investigators maintain a spreadsheet of all underground facility incidents; including those resulting in no damage. For gas pipelines, the damages per 1,000 tickets are tracked from the annual distribution reports to PHMSA.

The damages per 1,000 tickets have respectively been 2.04, 1.77, 1.67, 1.54, 1.86, 2.61, 2.22, and 2.397 for 2011 through 2018. A small shift in number for damages results in a noticeable change in the damages per 1,000 tickets. This is being monitored and the situation is expected to improve as cast iron and bare steel are replaced.

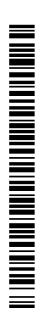
5 General Comments: Info Only = No Points

Info OnlyInfo Only

Evaluator Notes:

There are no issues in Part F of evaluation.

Total points scored for this section: 8 Total possible points for this section: 8



1	Operator, Inspector, Location, Date and PHMSA Representative Info Only = No Points	Info Onlylı	nfo Only
	Name of Operator Inspected: Northern Utilities		
	Name of State Inspector(s) Observed: Nathan Dore (Lead), Sean Watson, and Gary Kenny		
	Location of Inspection: Portland, ME		
	Date of Inspection: July 24, 2019		
	Name of PHMSA Representative: Clint Stephens		
	Notes: erved the MPUC inspectors perform a construction inspection on Northern Utilities. The operand service lines.	perator is re	placing cast iron
2	Was the operator or operator's representative notified and/or given the opportunity to be present during inspection? $Yes = 1 No = 0$	1	1
Evaluator	Notes:		
Yes.	The operator was notified and was present during the construction inspection.		
3	Did the inspector use an appropriate inspection form/checklist and was the form/checklist used as a guide for the inspection? (New regulations shall be incorporated) Yes = 2 No = 0 Needs Improvement = 1	t 2	2
	Notes: The inspector used an inspection checklist that was accessed through his IPAD which was truction specs and regulatory requirements during the inspection.	s used as a g	guide to input
4	Did the inspector thoroughly document results of the inspection? Yes = 2 No = 0 Needs Improvement = 1	2	2
Evaluator Yes.	Notes: The inspector thoroughly documented results of the inspection by inputting all data in his	IPAD.	
5	Did the inspector check to see if the operator had necessary equipment during inspection to conduct tasks viewed? (Maps,pyrometer,soap spray,CGI,etc.) Yes = 1 No = 0	1	1
Evaluator			
	The inspector checked operator pipeline maps, plastic fusion equipment, and pipeline local	ating equipn	nent.
6	Did the inspector adequately review the following during the field portion of the state evaluation? (check all that apply on list) Yes = 2 No = 0 Needs Improvement = 1	2	2
	a. Procedures	\boxtimes	
	b. Records	\boxtimes	
	c. Field Activities	\boxtimes	
	d. Other (please comment)		

Evaluator Notes:

Yes. The inspector adequately reviewed construction specification procedures, OQ records, and plastic fusion manufacturing procedures. Also, the inspector observed plastic pipe insertions, pipe fitting installations, and pressure testing.



DUNS: 002235294

2018 Gas State Program Evaluation

Valve Maintenance

D.

E.	. Vault Maintenance	
F.	. Welding	
G	G. OQ - Operator Qualification	\boxtimes
Н	I. Compliance Follow-up	
I.	Atmospheric Corrosion	
J.	Other	
Evaluator Notes		

The MPUC inspectors did a good job inspecting the replacement of cast iron pipe by Northern Utilities. All concerns were discussed with the operator at the time of the inspection.

> Total points scored for this section: 11 Total possible points for this section: 11



PAR	Γ H - Interstate Agent State (If Applicable)	Points(MAX)	Score	
1	Did the state use the current federal inspection form(s)?	1	NA	
Evoluete	Yes = 1 No = 0 Needs Improvement = .5 or Notes:			
	MPUC is not an interstate agent.			
	Wife of its not an interstate agent.			
2	Are results documented demonstrating inspection units were reviewed in accordance "PHMSA directed inspection plan"? Yes = 1 No = 0 Needs Improvement = .5	with 1	NA	
Evaluato	or Notes:			
The	MPUC is not an interstate agent.			
3	Did the state submit documentation of the inspections within 60 days as stated in its 1 Interstate Agent Agreement form? Yes = $1 \text{ No} = 0 \text{ Needs Improvement} = .5$	atest 1	NA	
Evaluato				
The	MPUC is not an interstate agent.			
4	Were probable violations identified by state referred to PHMSA for compliance? (NC PHMSA representative has discretion to delete question or adjust points, as appropria based on number of probable violations; any change requires written explanation.) Yes = 1 No = 0 Needs Improvement = .5		NA	
Evaluato	or Notes:			
The	MPUC is not an interstate agent.			
5	Did the state immediately report to PHMSA conditions which may pose an imminent safety hazard to the public or to the environment? Yes = 1 No = 0 Needs Improvement = .5	1	NA	
Evaluato				
The	MPUC is not an interstate agent.			
6	Did the state give written notice to PHMSA within 60 days of all probable violations found? Yes = 1 No = 0 Needs Improvement = .5	1	NA	
Evaluato	or Notes:			
The	MPUC is not an interstate agent.			
7	Did the state initially submit documentation to support compliance action by PHMSA probable violations?	on 1	NA	
Evaluato	Yes = 1 No = 0 Needs Improvement = .5 or Notes:			
	MPUC is not an interstate agent.			
8	General Comments:	Info Onlyl	nfo Only	
	Info Only = No Points			
	or Notes:			
The	MPUC is not an interstate agent.			



Total points scored for this section: 0 Total possible points for this section: 0

PAR'	T I - 60106 Agreement State (If Applicable)	Points(MAX)	Score
1	Did the state use the current federal inspection form(s)?	1	NA
	Yes = 1 No = 0 Needs Improvement = .5		
Evaluate	or Notes:		
The	e MPUC does not have a 60106 agreement.		
2	Are results documented demonstrating inspection units were reviewed in accordance state inspection plan?	with 1	NA
Evaluat	Yes = 1 No = 0 Needs Improvement = .5 or Notes:		
	e MPUC does not have a 60106 agreement.		
3	Were any probable violations identified by state referred to PHMSA for compliance? (NOTE: PHMSA representative has discretion to delete question or adjust points, as appropriate, based on number of probable violations; any change requires written explanation.) Yes = 1 No = 0 Needs Improvement = .5	1	NA
Evaluate	or Notes:		
The	e MPUC does not have a 60106 agreement.		
4	Did the state immediately report to PHMSA conditions which may pose an imminent safety hazard to the public or to the environment? Yes = 1 No = 0 Needs Improvement = .5	1	NA
Evaluate	or Notes:		
The	e MPUC does not have a 60106 agreement.		
5	Did the state give written notice to PHMSA within 60 days of all probable violations found? Yes = 1 No = 0 Needs Improvement = .5	1	NA
Evaluate	or Notes:		
The	e MPUC does not have a 60106 agreement.		
6	Did the state initially submit adequate documentation to support compliance action by PHMSA on probable violations? Yes = 1 No = 0 Needs Improvement = .5	y 1	NA
Evaluate	or Notes:		
	e MPUC does not have a 60106 agreement.		
7	General Comments:	Info Onlyli	nfo Only
•	Ocherar Comments.	inio Omyn	



Total points scored for this section: 0 Total possible points for this section: 0

Info Only = No Points

The MPUC does not have a 60106 agreement.

Evaluator Notes: