

March 29, 2018
Washington Utilities and Transportation Commission
Pipeline Safety Section
1300 S. Evergreen Park Drive S.W.
P.O. Box 47250
Olympia, WA 98504-7250

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Pipeline Safety Program

Attn: Sean Mayo, Pipeline Safety Director

RE: Wrapped Steel Services Assessment Program Annual Status Report (Docket PG-041624)

Dear Mr. Mayo,

Pursuant to Docket PG-041624 (Wrapped Steel Services Assessment Program Second Settlement Agreement (WSSAP)), Puget Sound Energy (PSE) is providing an Annual Status Report for the WSSAP Program. This status report includes information on WSSAP Service Mitigation as of December 31, 2017, WSSAP Service Mitigation Plan for 2018, and the Leak Status Report for 2017.

The following is a brief summary of each of the attachments.

WSSAP Mitigation as of December 31, 2017:

This table shows the number of services mitigated through the WSSAP Program during 2017 by mitigation category as well as the number of services mitigated through other activities such as main replacements, system up-grades, main relocates due to public improvement activities, service retirements, additional records review, and other maintenance activities. As indicated in this table, PSE mitigated all Priority Replacement and all but six Scheduled Replacements by December 31, 2017. All remaining Scheduled Replacement services are planned to be mitigated by December 31, 2018.

WSSAP Mitigation Plan for 2018:

This table shows the number of Priority and Scheduled Replacement services from the 2017 model run remaining to be mitigated as of January 1, 2018. PSE is targeting to mitigate all Priority Replacement services and Scheduled Replacement services in 2018.

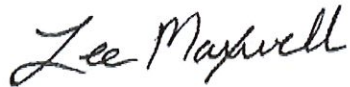
Leak Status Report for 2017:

The leak status report for 2017 shows the active leaks as well as the repaired leaks by cause for each mitigation category. It also shows that the percentage of services with leaks discovered in each of the mitigation categories since the program began in 2007. In 2017, there were no leaks discovered in the Priority or Scheduled Replacement categories. The percent of leaks discovered in the Increased Leak Survey and Standard Mitigation categories remained at about the same percentage as in the previous 5 years.

The WSSAP program is included in PSE's Distribution Integrity Management Program (DIMP). In accordance with the WSSAP program, PSE will replace Priority and Scheduled Replacement services identified by the annual model run. PSE will also replace WSSAP vintage services with an elevated risk based on continual improvement of risk knowledge.

If Staff has any additional questions on any of this information or future plans, please feel free to contact me at 425-462-3575.

Sincerely,

A handwritten signature in cursive script that reads "Lee Maxwell".

Lee Maxwell
Sr. Regulatory Compliance Analyst

WSSAP Mitigation as of December 31, 2017

Mitigation Category	2016 Model Results	Remaining as of January 1, 2017	Mitigated Through WSSAP	Other Mitigation	Total Mitigation	Remaining in Category	Pending Mitigation
Priority Replacement	24	17	15	2	17	0	0
Scheduled Replacement	124	53	45	2	47	6	6
Increased Leak Survey	21,108	21,108	0	994	994	20,114	N/A
Standard Mitigation	63,767	63,767	0	669	669	63,098	N/A
Subtotal	85,023	84,945	60	1,667	1,727	83,218	6

WSSAP Mitigation Plan for 2018

Mitigation Category	2017 Model Results	Remaining as of January 1, 2018	2018 Target
Priority Replacement	10	8	8
Scheduled Replacement	67	14	14
Increased Leak Survey	20,976	N/A	N/A
Standard Mitigation	63,156	N/A	N/A
Subtotal	84,209	22	22

Leak Status Report for 2017

Mitigation Category	# Active Leaks in 2017	# Repaired Leaks in 2017 by Cause	# Leaks Discovered in 2017	% of Services with Leaks Discovered												
				2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007		
Priority Replacement	0	0	0	0	8.3%	0	0	0	0	0	0	0	0	2.83%	8.3%	0.97%
Scheduled Replacement	0	0	0	0	0	0.25%	0	0	0	0.47%	0	0	0	0.47%	0.26%	0.53%
Increased Leak Survey	12	8 – Excavation 1 – Natural Force 4 – Materials or Welds 3 – Equipment 2 – Non-exposed Pipe 5 – Corrosion 23 – Total	22	0.10%	0.07%	0.08%	0.12%	0.12%	0.07%	0.12%	0.09%	0.20%	0.13%	0.20%	0.13%	0.41%
Standard Mitigation	10	4 – Outside Force Damage 13 – Corrosion 14 – Excavation 9 – Equipment 7 – Material or Welds 1 – Other 7 – Non exposed pipe 55 – Total	49	0.08%	0.08%	0.05%	0.06%	0.05%	0.04%	0.05%	0.07%	0.10%	0.07%	0.10%	0.07%	0.19%