



Puget Sound Energy  
P.O. Box 97034  
Bellevue, WA 98009-9734  
PSE.com

March 31, 2020

Washington Utilities and Transportation Commission  
Pipeline Safety Section  
621 Woodland Square Loop S.E.  
Lacey, WA 98503

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, 2019, WSSAP Service Mitigation Plan for 2020, and the Leak Status Report for 2019.

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

**WSSAP Mitigation as of December 31, 2019:**

This table shows the number of services mitigated through the WSSAP Program during 2019 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 of the identified Priority Replacements and 19 of the 22 identified Scheduled Replacements by December 31, 2019. All remaining Scheduled Replacement services are planned to be mitigated by December 31, 2020.

**WSSAP Mitigation Plan for 2020:**

This table shows the number of Priority and Scheduled Replacement services from the 2019 model run remaining to be mitigated as of January 1, 2020. PSE is targeting to mitigate all Priority Replacement services and Scheduled Replacement services in 2020.

**Leak Status Report for 2019:**

The leak status report for 2019 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 2019, there were no leaks discovered in the Priority Replacement or Scheduled 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 plus 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

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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 425-424-7839.

Sincerely,

*Vidushi Raina*

Vidushi Raina  
Program Manager, Gas Compliance  
Puget Sound Energy

## WSSAP Mitigation as of December 31, 2019

Mitigation Category	2018 Model Results	Remaining as of January 1, 2019	Mitigated Through WSSAP	Other Mitigation	Total Mitigation	Remaining in Category	Pending Mitigation
Priority Replacement	15	11	11	0	11	0	0
Scheduled Replacement	92	22	19	0	19	3	3
Increased Leak Survey	20,712	N/A	0	506	506	20,206	0
Standard Mitigation	62,454	N/A	0	607	607	61,847	0
Subtotal	83,273	83,199	30	1,113	1,143	82,056	3

## WSSAP Mitigation Plan for 2020

Mitigation Category	2019 Model Results	Remaining as of January 1, 2020	2020 Target
Priority Replacement	15	9	9
Scheduled Replacement	116	29	29
Increased Leak Survey	20,479	N/A	0
Standard Mitigation	61,827	N/A	0
Subtotal	82,437	38	38

**Leak Status Report for 2019**

% of Services with Leaks Discovered

Mitigation Category	# Active Leaks	# Repaired Leaks by Cause	# Leaks Discovered in 2019	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Priority	0	0	0	0.0%	10.0%	0%	8.3%	0%	0%	1.41%	0%	0%	0%	2.83%	8.3%	0.97%
Scheduled Replacement	0	0	0	0.0%	4.48%	0%	0%	0.25%	0%	0.47%	0%	0%	0%	0.47%	0.26%	0.53%
Increased Leak Survey	10	4 – Excavation 1 – Other 7 – Equipment 6 – Non-exposed Pipe 4 – Corrosion 22 – Total	17	0.08%	0.09%	0.10%	0.09%	0.08%	0.12%	0.12%	0.07%	0.12%	0.09%	0.2%	0.13%	0.41%
Standard Mitigation	3	12 – Excavation 7 – Material or Welds 3 – Other 10 – Equipment 5 – Non-exposed Pipe 6 – Corrosion 43 – Total	45	0.07%	0.06%	0.08%	0.08%	0.05%	0.06%	0.05%	0.04%	0.05%	0.07%	0.10%	0.07%	0.19%