



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

March 30, 2021

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, 2020, WSSAP Service Mitigation Plan for 2021, and the Leak Status Report for 2020.

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

WSSAP Mitigation as of December 31, 2020:

This table shows the number of services mitigated through the WSSAP Program during 2020 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 8 of the 9 identified Priority Replacements and 23 of the 29 identified Scheduled Replacements by December 31, 2020. The remaining one Priority Replacement was mitigated on January 7, 2021. All remaining Scheduled Replacement services are planned to be mitigated by December 31, 2021.

WSSAP Mitigation Plan for 2021:

This table shows the number of Priority and Scheduled Replacement services from the 2020 model run remaining to be mitigated as of January 1, 2021. PSE is targeting to mitigate all Priority Replacement services and Scheduled Replacement services in 2021.

Leak Status Report for 2020:

The leak status report for 2020 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 2020, 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 are at or slightly lower than the percentages 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 425-456-2526

Sincerely,

Danielle Troupe

Danielle Troupe
Sr. Regulatory Compliance Analyst, Gas Compliance
Puget Sound Energy

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WSSAP Mitigation as of December 31, 2020

Mitigation Category	2019 Model Results	Remaining as of January 1, 2020	Mitigated Through WSSAP	Other Mitigation	Total Mitigation	Remaining in Category	Pending Mitigation/ Remaining in Category
Priority	15	9	8	0	8	1	1
Scheduled Replacement	116	29	23	0	23	6	6
Increased Leak Survey	20,479	N/A	0	211	211	20,268	0
Standard Mitigation	61,827	N/A	0	428	428	61,399	0
Subtotal	82,437	N/A	31	639	670	81,674	7

WSSAP Mitigation Plan for 2021

Mitigation Category	2020 Model Results	Remaining as of January 1, 2021	2021 Target
Priority	16	7	7
Scheduled Replacement	71	18	18
Increased Leak Survey	20,403	20,334	N/A
Standard Mitigation	61,469	61,355	N/A
Subtotal	81,959	81,714	25

Leak Status
Report for
2020

% of Services with Leaks Discovered

Mitigation Category	# Active Leaks	# Repaired Leaks by Cause	# Leaks Discovered in 2020	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Priority	0	0	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%	0.0%	4.48%	0	0	0.25%	0	0.47%	0	0	0	0.47%	0.26%	0.53%
Increased Leak Survey	4	3 – Excavation 2 – Natural Force 4 – Materials or Welds 1 – Equipment 1 – Outside Force Damage 3 – Non-exposed Pipe 2 – Corrosion 16 – Total	15	0.07%	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	9	13 – Excavation 7 – Material or Welds 1 – Other 5 – Equipment 2 – Outside Force Damage 2 – Non-exposed Pipe 9 – Corrosion 39 – Total	34	0.05%	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%