

API PROCESS SAFETY EVENT (PSE) PUBLIC REPORTING:

The U.S. Oil and Natural Gas industry considers safety a core value and is committed to advancing technologies, standards, good industry practices, and programs that prioritize workplace safety by identifying and addressing vulnerabilities in process safety performance. A process safety performance indicators program provides useful information for driving improvement and can contribute to reducing risks of major hazards by identifying the underlying causes.

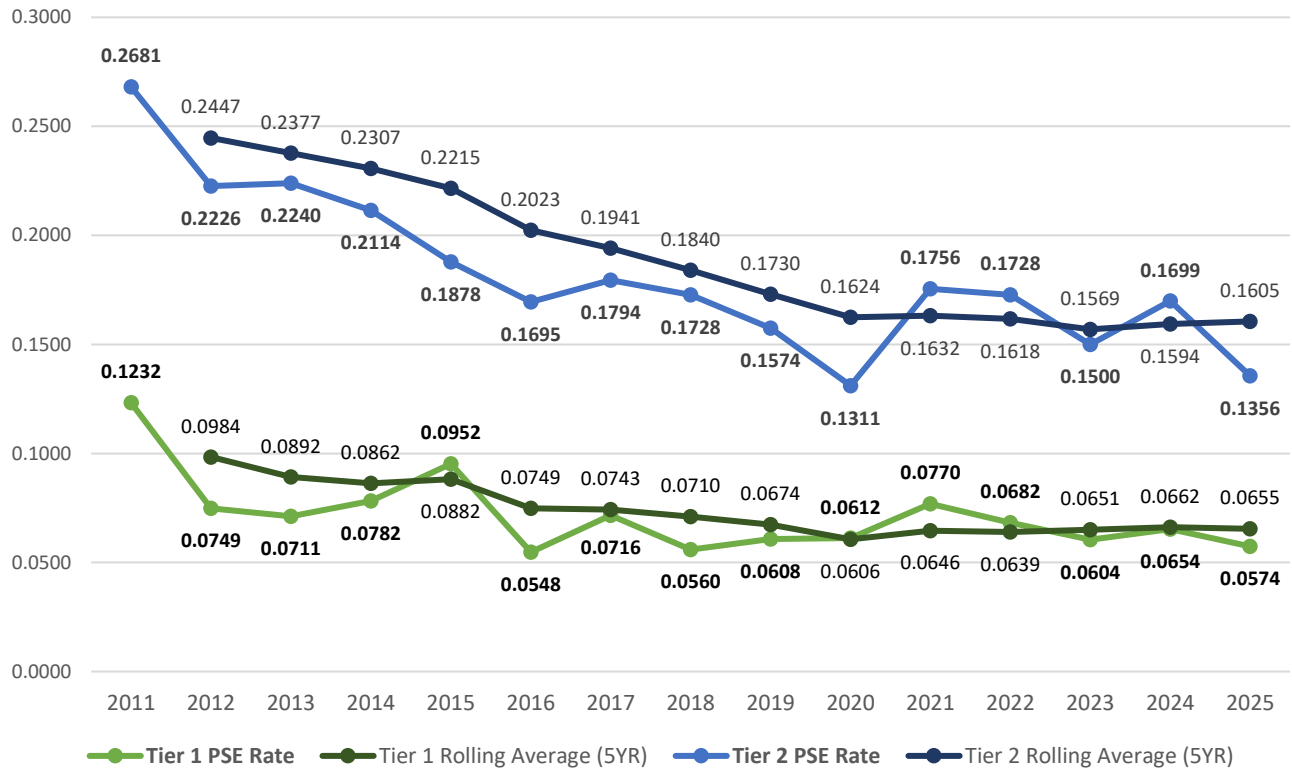
API collects process safety event (“PSE”) data annually based on ANSI/API Recommended Practice 754 Third Edition, *Process Safety Performance Indicators for the Refining and Petrochemical Industries*.

Year-to-year comparisons are commonly used to assess changes in performance; however, several factors limit their applicability to PSE data. Refining represents a small, finite population, and PSEs are statistically rare. Additionally, PSEs are discrete occurrences, further complicating statistical interpretation of year-to-year changes. As a result, these year-to-year changes are not typically reliable indicators of underlying performance. To address this variability, API reports a 5-year rolling average, which provides a more stable measure of sustained performance.

The following summarizes the rates observed for the 2025 reporting year. The 2025 Tier 1 PSE rate was 0.0574, and the Tier 2 PSE rate was 0.1356. The 5-year rolling averages were 0.0655 for Tier 1 PSEs and 0.1605 for Tier 2 PSEs, consistent with recent years. Over the full data series, the rolling averages have declined by 33 percent for Tier 1 PSEs and 34 percent for Tier 2 PSEs since 2012. In recent years, these averages have plateaued following earlier declines, while annual values continue to fluctuate.

U.S. Refining PSE Summary Data

Year	Number of Companies	Number of Refineries	Refinery Capacity Response Rate	Tier 1 PSEs Reported	Tier 1 PSE Rate	Tier 2 PSEs Reported	Tier 2 PSE Rate
2011	19	75	80%	165	0.1232	359	0.2861
2012	21	78	81%	106	0.0749	315	0.2226
2013	23	80	84%	100	0.0711	315	0.2240
2014	24	85	87%	118	0.0782	319	0.2114
2015	31	95	90%	147	0.0952	290	0.1878
2016	32	96	89%	84	0.0548	260	0.1695
2017	29	92	85%	101	0.0716	253	0.1794
2018	31	100	95%	91	0.0560	281	0.1728
2019	28	99	93%	102	0.0608	264	0.1574
2020	29	101	93%	85	0.0612	182	0.1311
2021	28	96	94%	96	0.0770	219	0.1756
2022	26	95	93%	92	0.0682	233	0.1728
2023	29	96	95%	85	0.0604	211	0.1500
2024	27	94	95%	90	0.0654	234	0.1699
2025	26	92	94%	77	0.0574	182	0.1356
5-Year Average	27	95	94%	88	0.0655	216	0.1605



U.S. Refining PSE Rates (2011-2025)¹

¹ Rolling averages were calculated using all available years of data until a full 5-year rolling average was first achieved, beginning with the 2015 survey.