KRGT IMP Performance Measures

IMP Performance Metrics	Year							- provide updated numbers for 2024 (use "insert comment or insert note" to provide data source or justification)						
Four Overall Performance Metrics per ASME B31.8S		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Number of miles of pipeline inspected versus program requirements (Total number of miles inspected in calendar year using all inspection methods)	HCA only	0	75	16	2	1	77	17	1	0	89	16	2.8	0.0
	Non HCA	0	155	691	466	4	109	691	464	0	141	699	464.8	0.0
Number of immediate reasing completed as a result of the integrity management	Total HCA only	0	230 0	707 0	467 0	4	186 0	708 0	465 0	0	230 0	716 0	467.7 0	0.0
Number of immediate repairs completed as a result of the integrity management inspection program (Sum of all immediate repairs for all inspection methods)	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of scheduled repairs completed as a result of the integrity management	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
inspection program (Sum of all scheduled repairs for all inspection methods)	Non HCA	0	1	0	0	0	0	0	0	0	0	0	0	0
	Total	0	1	0	0	0	0	0	0	0	0	0	0	0
Number of leaks, failures, and incidents, classified by cause.	HCA only	1	1	1	2	1	0	0	1	2	2	0	1	2
	Non HCA	9 10	2	4	8 10	1 2	2	6	2	1 3	4	9	4	6 8
Additional Performance Measures	Total	2012	2013	5 2014	2015	2016	2017	6 2018	3 2019	3 2020	2021	2022	2023	8 2024
Number of miles of baseline assessments completed in calendar year	HCA only	0	0	0	0	0	0	0	0	0	1	0	0	0
(all inspection methods)	Non HCA	0	0	0	0	0	0	0	0	0	31	0	0	0
(Total	0	0	0	0	0	0	0	0	0	32	0	0	0
Number of miles of reassessments completed in calendar year (all inspection methods)	HCA only	0	75	16	2	1	77	17	1	0	87	16	2.8	0.0
	Non HCA	0	155	691	466	4	109	691	464	0	111	699	464.8	0.0
	Total	0	230	707	467	4	186	708	465	0	198	716	467.7	0.0
Number of miles inspected by pressure testing	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total number of pressure test failures (ruptures and leaks)	Total HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of pressure test ruptures (complete failure of pipe wall) repaired in calendar year		0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of pressure test leaks (less than complete failure of pipe wall) repaired during calendar year	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Threat Specific Performance Measures	1	1												
External Corrosion Threat		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Number of hydrostatic test failures caused by external corrosion.	HCA only Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of repair actions taken due to inline inspection results, immediate and	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
scheduled.	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of repair actions taken due to direct assessment results, immediate and	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
scheduled.	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of external corrosion leaks.	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of repair actions taken due to any inspection, monitored.	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
number of repair decions taken due to any inspection, <u>monitoreu</u> .	Non HCA	0	0	0	1	0	0	0	0	0	0	0	3	0
	Total	0	0	0	1	0	0	0	0	0	0	0	3	0
Internal Corrosion Threat Number of hydrostatic test failures caused by internal corrosion.		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of repair entires takes due to infine increased	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of repair actions taken due to inline inspection results, immediate and scheduled.	HCA only Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
scheduled.	Non HCA Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of repair actions taken due to direct assessment results, immediate and	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
scheduled.				-			0	0	0	0	0	0	0	0
scheduled.	Non HCA	0	0	0	0	0	0	•	0	0	0			0
scheduled.	Non HCA Total	0	0	0	0	0	0	0	0	0	0	0	0	
scheduled. Number of internal corrosion leaks.												0	0	0
	Total HCA only Non HCA	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0	0	0
Number of internal corrosion leaks.	Total HCA only	0 0 0 0	0 0 0 0	0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	<mark>0</mark> 0
Number of internal corrosion leaks. Stress Corrosion Cracking (SCC) Threat	Total HCA only Non HCA Total	0 0 0 2012	0 0 0 2013	0 0 0 2014	0 0 0 2015	0 0 0 2016	0 0 0 2017	0 0 0 2018	0 0 0 0 2019	0 0 0 2020	0 0 0 2021	0 0 0 2022	0 0 0 2023	0 0 2024
Number of internal corrosion leaks.	Total HCA only Non HCA Total HCA only	0 0 0 0 2012 0	0 0 0 2013 0	0 0 0 2014 0	0 0 0 2015 0	0 0 0 2016 0	0 0 0 2017 0	0 0 0 2018 0	0 0 0 0 2019 0	0 0 0 2020 0	0 0 0 2021 0	0 0 0 2022 0	0 0 0 2023 0	0 0 2024 0
Number of internal corrosion leaks. Stress Corrosion Cracking (SCC) Threat	Total HCA only Non HCA Total HCA only Non HCA	0 0 0 2012 0 0	0 0 0 2013 0 0	0 0 0 2014 0 0	0 0 0 2015 0 0	0 0 0 2016 0	0 0 0 2017 0 0	0 0 0 2018 0 0	0 0 0 0 2019 0 0	0 0 0 2020 0 0	0 0 0 2021 0 0	0 0 2022 0 0	0 0 2023 0 0	0 0 2024 0 0
Number of internal corrosion leaks. Stress Corrosion Cracking (SCC) Threat Number of in-service leaks/failures due to SCC.	Total HCA only Non HCA Total HCA only Non HCA Total	0 0 0 2012 0 0 0	0 0 0 2013 0 0 0	0 0 0 2014 0 0 0	0 0 0 2015 0 0 0	0 0 0 2016 0 0 0	0 0 0 2017 0 0 0	0 0 0 2018 0 0 0	0 0 0 2019 0 0 0	0 0 0 2020 0 0 0	0 0 0 2021 0 0 0	0 0 2022 0 0 0	0 0 2023 0 0 0	0 0 2024 0 0 0
Number of internal corrosion leaks. Stress Corrosion Cracking (SCC) Threat	Total HCA only Non HCA Total HCA only Non HCA Total HCA only	0 0 2012 0 0 0 0 0	0 0 2013 0 0 0 0	0 0 0 2014 0 0 0 0	0 0 2015 0 0 0 0	0 0 2016 0 0 0 0	0 0 0 2017 0 0	0 0 0 2018 0 0 0 0	0 0 0 0 2019 0 0	0 0 0 2020 0 0 0 0	0 0 0 2021 0 0 0 0	0 0 2022 0 0	0 0 2023 0 0	0 0 2024 0 0
Number of internal corrosion leaks. Stress Corrosion Cracking (SCC) Threat Number of in-service leaks/failures due to SCC.	Total HCA only Non HCA Total HCA only Non HCA Total	0 0 0 2012 0 0 0	0 0 0 2013 0 0 0	0 0 0 2014 0 0 0	0 0 0 2015 0 0 0	0 0 0 2016 0 0 0	0 0 0 2017 0 0 0 0	0 0 0 2018 0 0 0	0 0 0 2019 0 0 0 0 0	0 0 0 2020 0 0 0	0 0 0 2021 0 0 0	0 0 2022 0 0 0 0 0	0 0 2023 0 0 0 0	0 0 2024 0 0 0 0
Number of internal corrosion leaks. Stress Corrosion Cracking (SCC) Threat Number of in-service leaks/failures due to SCC.	Total HCA only Non HCA Total HCA only Non HCA Total HCA only Non HCA	0 0 2012 0 0 0 0 0 0	0 0 2013 0 0 0 0 0 0	0 0 0 2014 0 0 0 0 0 0	0 0 2015 0 0 0 0 0 0	0 0 0 2016 0 0 0 0 0 0	0 0 0 2017 0 0 0 0 0 0	0 0 0 2018 0 0 0 0 0 0	0 0 0 2019 0 0 0 0 0 0 0	0 0 0 2020 0 0 0 0 0 0 0	0 0 0 2021 0 0 0 0 0 0 0	0 0 2022 0 0 0 0 0 0	0 0 2023 0 0 0 0 0	0 0 2024 0 0 0 0 0
Number of internal corrosion leaks. Stress Corrosion Cracking (SCC) Threat Number of in-service leaks/failures due to SCC. Number of repairs or replacements due to SCC.	Total HCA only Non HCA Total HCA only Non HCA Total HCA only Non HCA Total	0 0 0 2012 0 0 0 0 0 0 0 0	0 0 2013 0 0 0 0 0 0 0 0	0 0 0 2014 0 0 0 0 0 0 0 0 0	0 0 0 2015 0 0 0 0 0 0 0 0	0 0 0 2016 0 0 0 0 0 0 0 0	0 0 0 2017 0 0 0 0 0 0 0 0	0 0 0 2018 0 0 0 0 0 0 0 0	0 0 2019 0 0 0 0 0 0 0 0 0	0 0 0 2020 0 0 0 0 0 0 0 0 0	0 0 0 2021 0 0 0 0 0 0 0 0 0	0 0 2022 0 0 0 0 0 0 0 0 0 0	0 0 2023 0 0 0 0 0 0 0 0 0	0 0 2024 0 0 0 0 0 0

KRGT IMP Performance Measures

IMP Performance Metrics						Year				odated number to provide dat		use "insert con ustification)	nment or	
Four Overall Performance Metrics per ASME B31.8S		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Manufacturing Threat (Pipe Seam and Pipe)		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Number of hydrostatic test failures caused by manufacturing defects.	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of leaks due to manufacturing defects.	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA Total	0	0	0	0	0	0	0	0	0	0	0	0	0 0
Number of repairs due to manufacturing defects	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of repairs due to manufacturing defects	Non HCA	1	2	2	0	8	2	0	0	0	0	0	0	0
	Total	1	2	2	0	8	2	0	0	0	0	0	0	0
Construction Threat		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Number of leaks or failures due to construction defects.	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of girth welds/couplings reinforced /removed.	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA Total	0	0	0	0	0	0	0	5 5	0	0	0	0	1
Number of wrinkle bends removed.	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of wrinkle bend inspections.	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of fabrication welds repaired/removed.	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0 0
Equipment Threat	Total	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Equipment Threat Number of regulator valve failures.	HCA only	0	0	0	0	0	0	1	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	1	0	0	0	0	2	0
	Total	0	0	0	0	0	0	2	0	0	0	0	2	0
Number of relief valve failures.	HCA only	0	0	0	0	0	0	0	0	0	0	0	1	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	3	0	0
	Total	0	0	0	0	0	0	0	0	0	0	3	1	0
Number of gasket or O-ring failures.	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	T	1	0	0	0	0	0	0	0	0	0	2	1	5
	Total	1	0	0	0	0	0	0	0	0	0	2	1	5 2
Number of leaks due to equipment failures.	HCA only Non HCA	9	1 2	4	1 9	2	2	4	2	2	4	4	0	2 5
	Total	10	3	5	10	2	2	5	3	3	6	4	1	7
Number of block valve failures	HCA only													0
	Non HCA													0
	Total			-										0
Third Party Damage Threat		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Number of leaks or failures caused by third party damage.	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of leaks or failures caused by previously damaged pipe.	HCA only Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of leaks or failures caused by vandalism.	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of repairs implemented as a result of third party damage prior to leak or	HCA only	0	0	0	0	0	0	0	1	0	0	0	0	0
failure. ³	Non HCA	0	6	0	1	2	0	1	2	0	0	1	1	0
Incourse to Operations Thread	Total	0	6	0	1	2	0	1	3	0	0	1	1	0
Incorrect Operations Threat		2012	2013	2014 0	2015 0	2016 0	2017 0	2018 0	2019 0	2020	2021	2022 0	2023	2024 0
Number of leaks or failures caused by incorrect operations.	HCA only Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	1
Number of audits/reviews completed. ¹	HCA only	4	13	7	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	7	7	15	6	25	30	7	7	8	10
	Total	4	13	7	7	7	15	6	25	30	7	7	8	10
Number of findings per audit/review classified by severity. ²	HCA only	1	1	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	1	1	0	0	0	0	0	0	0	0	0	0	0
Number of changes to procedures due to audits/reviews. ²	HCA only	4	6 0	5	4	3	4	9	0	0	0	16 0	41 0	18 0
	Non HCA Total	4	6	5	0 4	3	0 4	9	0	0	0	16	0 <u>41</u>	18
Weather and Outside Forces Threat	. ordi	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Number of leaks that are weather related or due to outside force.	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
	Non HCA	0	0	0	0	0	0	0	0	0	0	0	0	0
														0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of repair, replacement, or relocation actions due to weather related or	HCA only	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of repair, replacement, or relocation actions due to weather related or outside force.														

¹ Audits include pre-audits, PHMSA audits and MAOP special permit audit
 ² Audit findings and procedure changes may be related to the following: NOAs, NOPVs, significant pre-audit compliance findings. Procedure changes should be

IMP Performance Metrics					Year				dated numbe to provide dat		ise "insert cor istification)	nment or	
Four Overall Performance Metrics per ASME B31.8S	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
significant procedure changes and <u>will match procedure changes identified in</u> section 10.0 of the current MAOP special permit report.													

³ Per ASME B31.8S Table 4, third party damage is equal to damage inflicted by first, second, or third parties.