West Lake Energy

Alt-FEMP Pilot Program
2024 Final Performance Report

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Executive Summary

West Lake Energy (West Lake) is a Western Canadian upstream gas producer who was granted approval on May 18, 2023, to implement a pilot alternative Fugitive Emissions Management Program (alt-FEMP) across their operated facilities in Alberta. The alt-FEMP was designed to achieve greater fugitive emissions reductions than a default program under the Alberta Energy Regulator's (AER) Directive 060, and was approved until December 31, 2024.

Each year, the alt-FEMP involves performing two screening surveys with comprehensive follow-up surveys conducted at 20% of the screened sites after each screening. In addition, a selection of West Lake sites were designated as part of a representative Control Region where default surveys in accordance with Directive 060, utilizing an optical gas imaging (OGI) camera, would occur. The schedule of the program was as follows:

Timing	Site-Level Screening	OGI Surveys	Status
Q3 2023	Aerial-based screening by Bridger Photonics (Bridger)	Comprehensive follow-up OGI surveys by North Shore Environmental (North Shore) at the top 20% of screened sites upon ranking all screened sites by total emission rate.	Completed
Q4 2023	Truck-based screening by Montrose Environmental Group (Montrose)	Immediate follow-up OGI surveys conducted by Montrose at all sites with emissions detected by the truck technology. Fugitive repairs were then performed at the top 20% of sites upon ranking these sites by total emissions identified from the follow-up OGI.	Completed
Q2 2024	Aerial-based screening by Bridger	Comprehensive follow-up OGI surveys by North Shore at the top 20% of screened sites upon ranking all screened sites by total emission rate.	Completed
Q3 2024	ExACT Truck-based screening completed by Vertex Environmental Group	Comprehensive follow-up OGI surveys by North Shore at the top 20% of screened sites upon ranking all screened sites by total emission rate.	Completed

With the alt-FEMP Pilot Program screenings and surveys completed, West Lake will continue to use the data collected to track progress towards methane reduction targets and inform areas of improvement. This report summarizes data collected during the alt-FEMP screenings and OGI surveys.

1. Screening Data

Table 1 summarizes various statistics regarding the screening campaigns across the alt-FEMP. Please note emissions detected during the screenings can be a combination of fugitive, vented and sporadic operations-related emissions. The detailed screening data is provided in an Excel attachment with this report, and the tables summarizing each site's total and individual emissions detected during each screening are provided in Appendix B and C, respectively.

Table 1. Combined summary of screening data for 2023 and 2024.

Parameter	**2023**	**2024**
Number of sites screened	222	219
Number of screened sites with detections	115	112
Number of detections during screenings	142	129
Percentage of screened sites with detections (%)	64%	51%
Average emissions per screened site with a detection (m^3/day)	166	118.3
Total emission rate identified (m^3/day)	19061	13254.5
Number of sites followed-up on	49	42
Percentage of sites followed-up on vs. screened (%)	22%	19%
Number of follow-up sites with no screening detections	0	0
Number of follow-up emissions with emission source not detected by the screening technology	0	0
Average time between detection and follow-up to site (days)	31.4	27
Percentage of follow-up sites that are recurring (%)	44%	9%
Number of emissions from the screenings that were followed-up on	71	57
Number of emissions from the screenings that were followed-up and identified as fugitive emissions	61	29
Total rate of fugitives identified and fixed for the calendar year (m^3/day)	1242	154

2. Follow-up Data

Table 2 summarizes statistics regarding the OGI follow-up surveys of the alt-FEMP region conducted after a screening campaign. The raw detailed follow-up data is provided in an Excel attachment with this report.

OGI has the capability to localize emissions to a source-level. Also, the OGI operator can normally determine the emission type. Table 3 shows the emission source equipment types for all identified fugitive emissions including the number and volume of emissions for each equipment type.

Table 2. Summary of OGI follow-up data.

Year		**2023**	**2024**
Number of sites followed-up on for the year		49	42
Percentage of screened sites followed-up on (%)		22%	19%
Percentage of sites with screening detections followed-up on (%)		42.6%	38%
Number of follow-up surveys where no emissions were found		1	2
Average time between detection and follow-up to site (days)		31.4	27
Percentage of follow-up sites that are recurring (for the calendar year – following-up on a site more than once)		44%	9%
Identified emission source types per follow-up per screening campaign (vent, fugitive, methane slip, other)		2 (Fugitives & Vents)	2 (Fugitives & Vents)
Number of detections by emission source type (n)	Fugitives	78	46
	Vents	108	53
	Total	186	99
Volume of detections by emission source type (m^3/day)	Fugitives	1242	154
	Vents	2115	22
	Total	3357	176
Average emissions per follow-up site (m^3/day)		68.5	4.2
Identified emission source equipment types per follow-up per screening campaign (e.g., tank, compressor seal)		See Table 3	See Table 3
Number of recurring leaks observed (if the leak occurred more than once per year)		0	5
Total emission rate of fugitives identified and fixed for the calendar year (m^3/day)		1242	154

Table 3. Number and volume (m^3/d) of emission detections by equipment type.

Identified emission source equipment types	2023		2024	
	Number of detections by equipment type	Volume of detections by equipment type (m^3/d)	Number of detections by equipment type	Volume of detections by equipment type (m^3/d)
controlled tank	0	0	4	3.2
dehydrator	3	6.5	1	6.5
flare stack	1	62.9	1	12.1
header	0	0	0	0
heater	4	17.9	0	0
meter	2	0.4	2	5
other	28	355.2	6	26
pig sender/receiver	0	0	0	0
pipeline - aboveground	1	0.8	5	22
pipeline - buried	0	0	0	0
pneumatic instrument	20	151.5	0	0
pneumatic pump	0	0	0	0
reciprocating compressor	8	44.7	2	2.7
screw compressor	4	22.0	3	0.8
separator	19	46.6	9	13.1
surface casing vent	4	10.3	8	38.1
sweetening process	0	0	0	0
treater	0	0	0	0
uncontrolled tank	83	2471.6	47	9.6
vent stack	1	12.1	0	0
wellhead	8	175.1	11	36.9
Total	**186**	**3357.5**	**99**	**176**

3. Emissions Summary

3.1 Screening Summary

Figure 1 shows the distribution for site-total methane emission rates detected during screening campaigns in 2023 and 2024, capturing all types of methane emissions (fugitives, vents, methane slip and others). The graph allows one to discern how many site-total emission measurements reported emission rates within a certain range (e.g. emissions with rates between 0 and 100 m^3/day where individual emissions on a single site from one screening are summed).

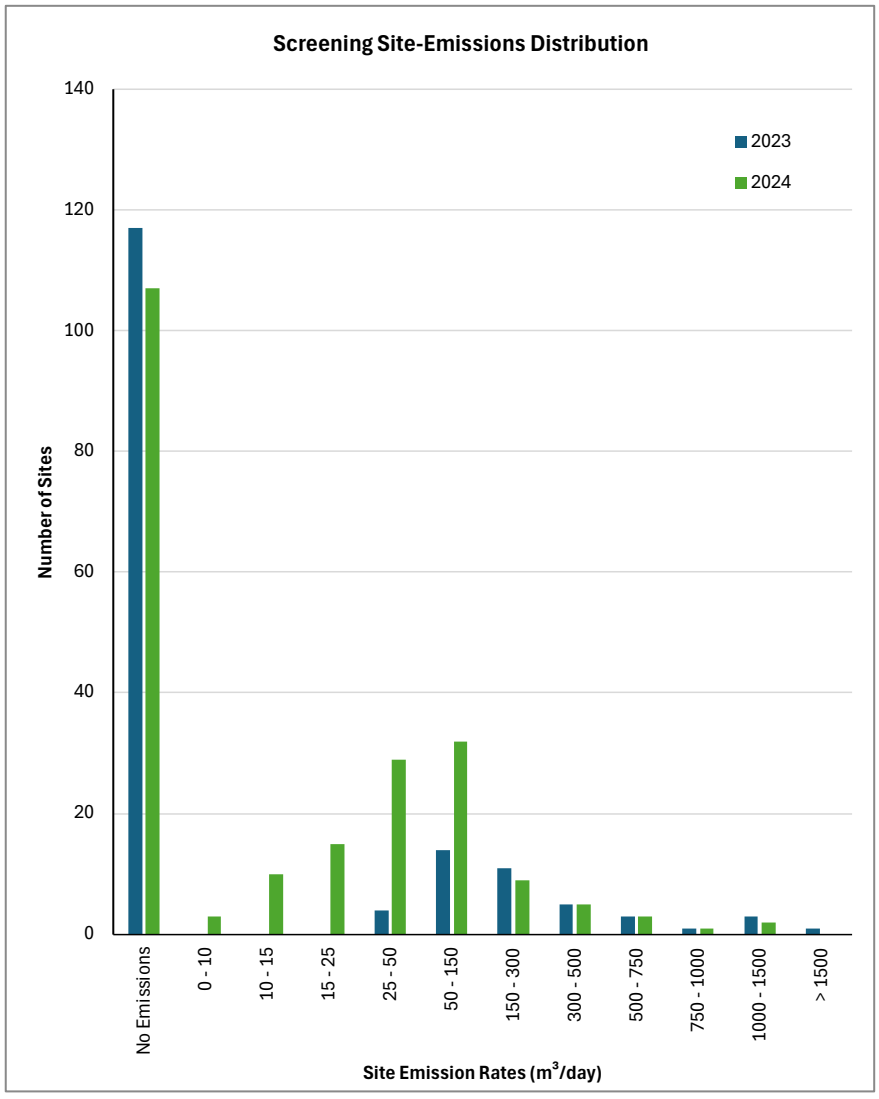

Figure 1: Distribution of site-total emission rates measured during screening campaigns.

Figure 2 shows the distribution for individual emission rates detected during the 2023 and 2024 screening campaigns. Screening technologies are generally unable to determine the type of methane emission measured (fugitives, vents, methane slip and others). The graph allows one to discern how many individual emission measurements had an emission rate within a certain range (e.g., emissions with rates between 0 and 100 m^3/day).

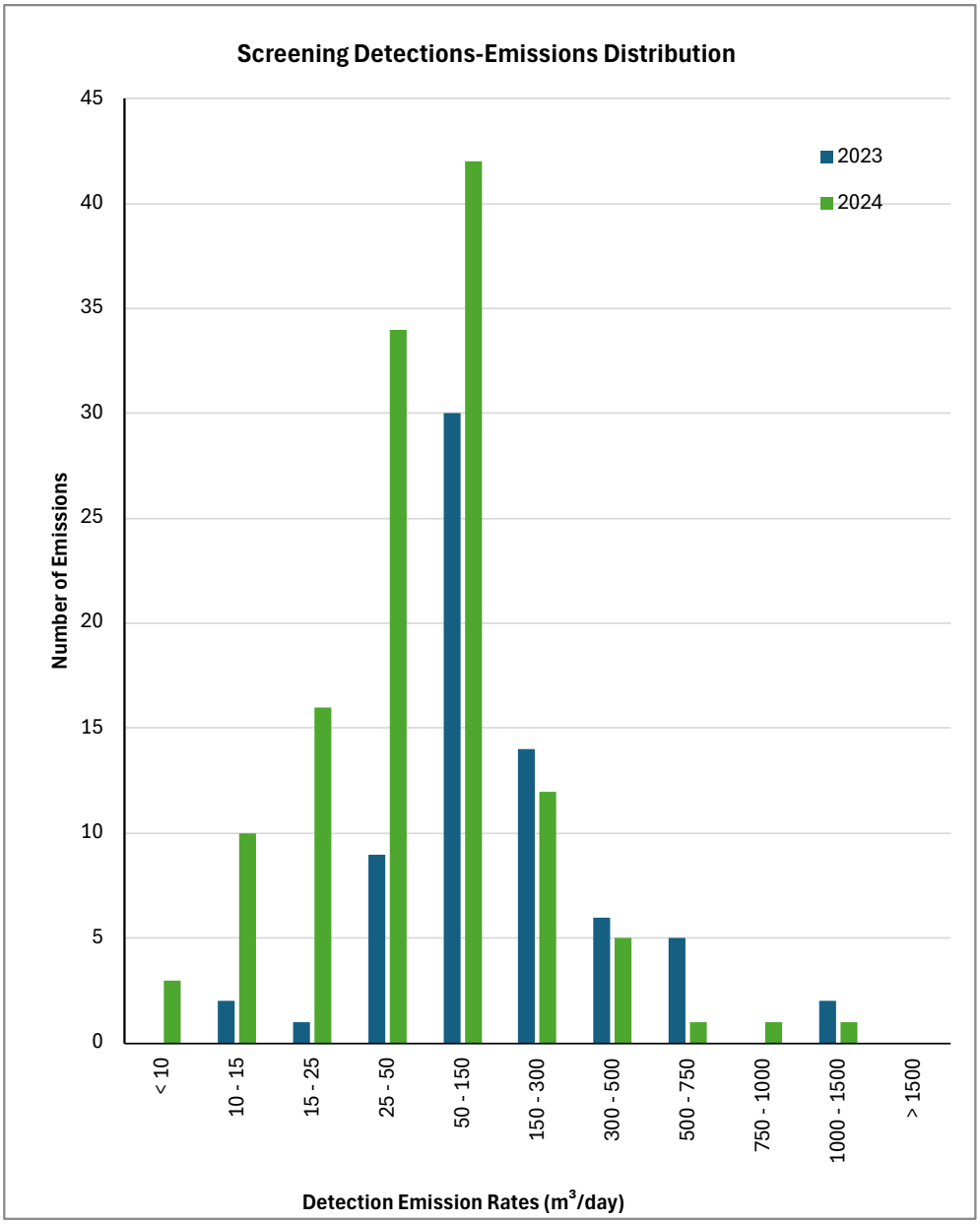

Figure 2: Distribution of individual emissions, by rate, measured during screening campaigns.

In general, screening technologies cannot discern fugitive emissions from other emission types, thus a graph depicting the emissions distribution specifically for fugitives detected during screenings could not be generated.

3.2 OGI Survey Summary

Figure 3 shows the emission rate distribution for site-total emissions detected during OGI survey campaigns of the alt-FEMP region, aggregating all methane emissions measured during that OGI campaign. The graph allows one to discern how many site-total emission measurements, by OGI, reported an emission rate within a certain range.

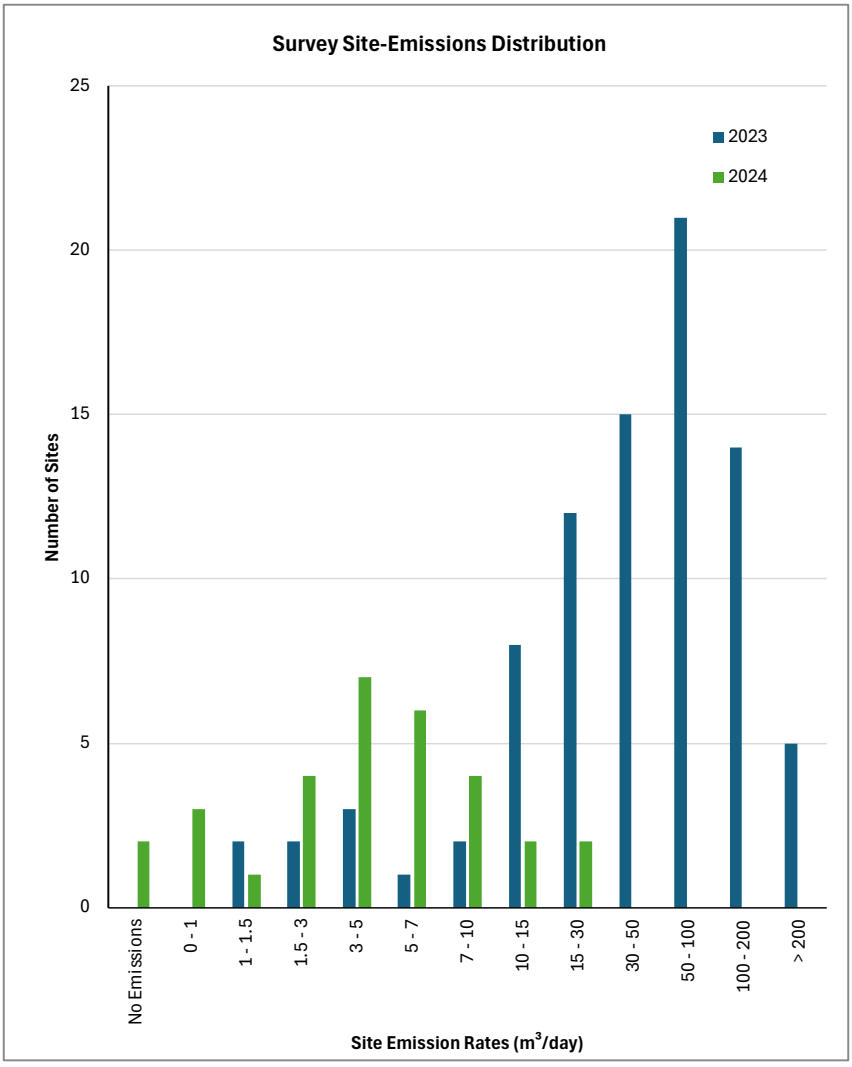

Figure 3: Distribution of site-total emission rates measured during alt-FEMP OGI survey campaigns.

Figure 4 below shows the emission rate distribution for individual emissions detected during OGI survey campaigns. The graph allows one to discern how many individual OGI measurements had an emission rate within a certain range.

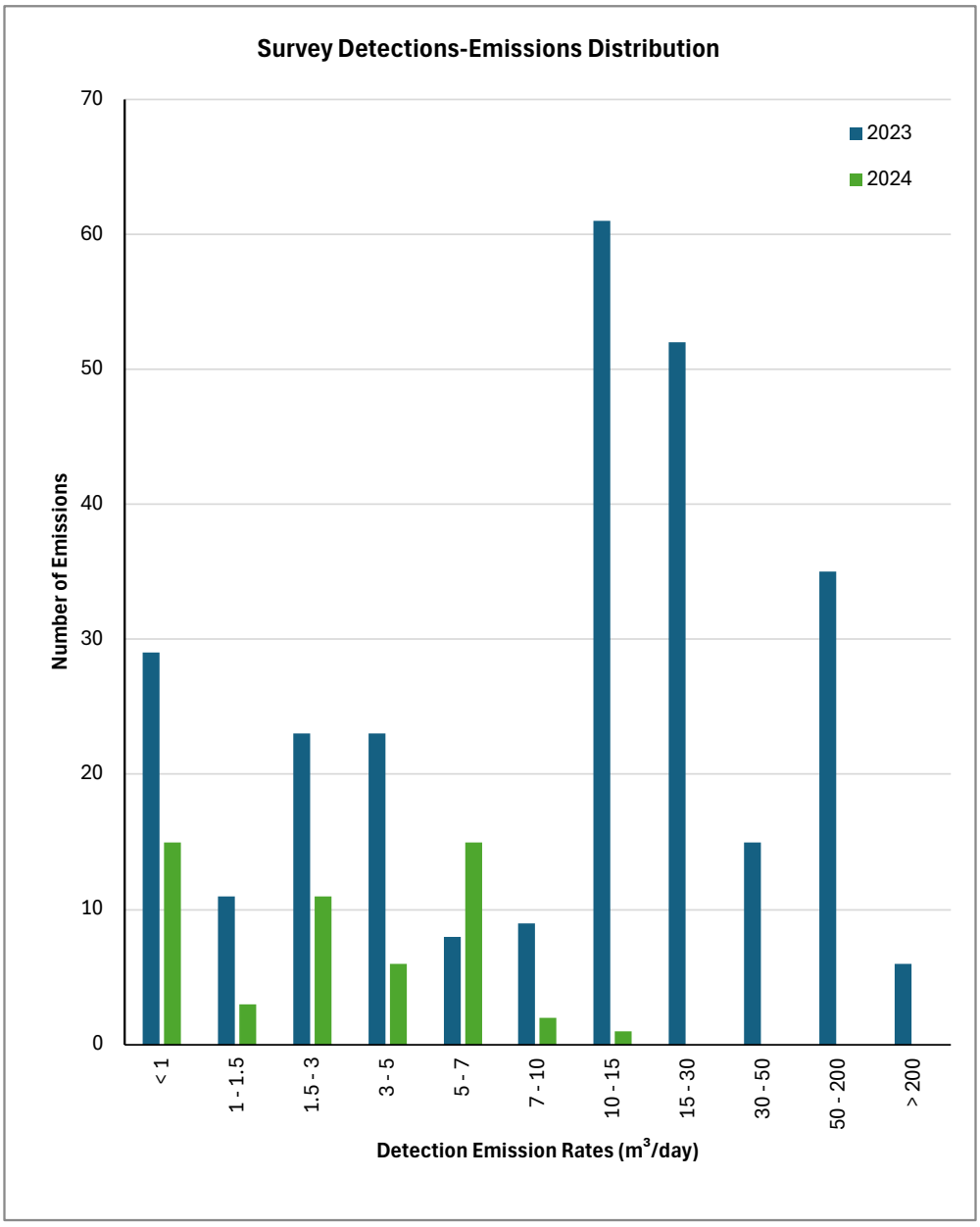

Figure 4: Distribution of individual emissions, by rate, measured during alt-FEMP OGI survey campaigns.

Figure 5 below shows the emission rate distribution for individual fugitive emissions detected during OGI survey campaigns. The graph allows one to discern how many individual fugitive emission measurements reported an emission rate within a certain range.

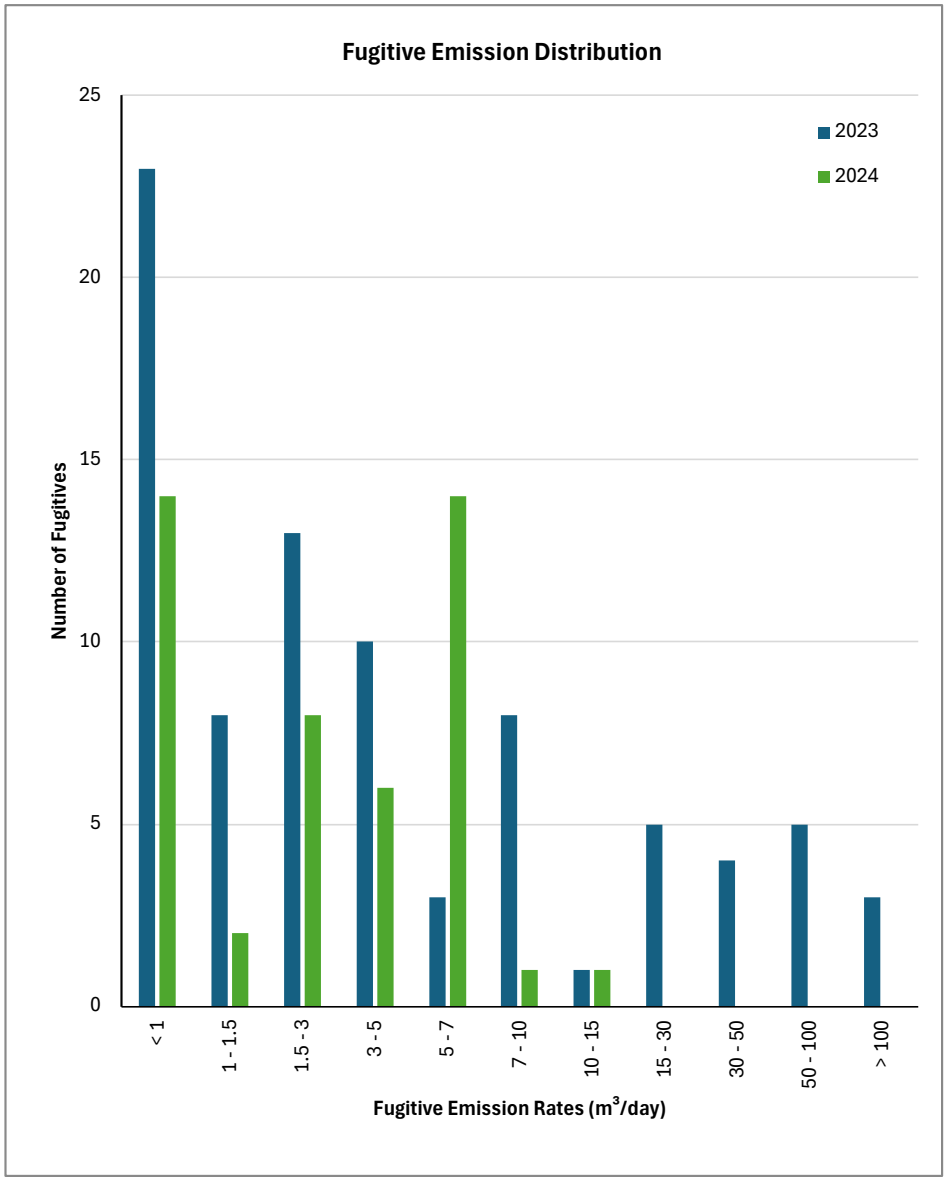

Figure 5: Distribution of fugitive emissions, by rate, measured during OGI survey campaigns (e.g. follow-up) of the alt-FEMP region.

3.3 Control vs. alt-FEMP Summary

Table 4 compares several metrics related to the sites surveyed and emissions detected via OGI surveys in the alt-FEMP vs. Control regions for the duration of the program. The average rates in the table are calculated per site per survey (e.g. the control site was surveyed six times in the two years and the average of these six was taken).

Table 4. Comparison of the alt-FEMP and Control regions.

	alt-FEMP Region	Control Region
Number of Sites Surveyed	91	51
Number of Surveyed Sites with Emissions Detected	88	37
Percentage of Surveyed Sites with Emissions Detected (%)	97%	73%
Number of Emissions Detected at Surveyed Sites	285	87
Number of Surveyed Sites with Fugitive Emissions Detected	65	30
Percentage of Surveyed Sites with Fugitive Emissions Detected (%)	71%	59%
Number of Fugitive Emissions Detected	124	55
Number of Vent Emissions Detected	161	32
Total Rate of Emissions Detected (m^3/day)	3533.5	333.9
Total Rate of Fugitive Emissions Detected (m^3/day)	1396.1	243.3
Total Rate of Vent Emissions Detected (m^3/day)	2137.4	90.6
Average Fugitive Rate per Site with Fugitive Emissions Detected (m^3/day)	21.5	8.1
Average Fugitive Rate for all Fugitive Emissions Detected (m^3/day)	11.3	4.4
Number of Fugitive Emissions Repaired	124	55
Percentage of Fugitives Repaired (%)	100%	100%

4. Emission Reduction Summary

The fugitive emission data collected during the alt-FEMP was used to generate the as-found “measured fugitive emission distribution”. This consisted of all fugitive emissions recorded during the alt-FEMP follow-up OGI surveys. Figure 6 shows a comparison of the as-found “measured fugitive emission distribution” to the “assumed fugitive emission distribution” employed in the modelling to initially used to design the approved alt-FEMP. Additionally, the minimum detection limit (MDL) at 90% probability of detection (PoD) for the screening technology is displayed for reference.

A default Directive 060 FEMP program and the executed West Lake program were re-modelled using the as-found fugitive distribution using the AroFEMP software (Arolytics). The original modelling found the alt-FEMP would emit 11% less methane than a default FEMP, and the re-modelling with the as-found fugitive distribution found the alt-FEMP would emit 25% more than the default FEMP.

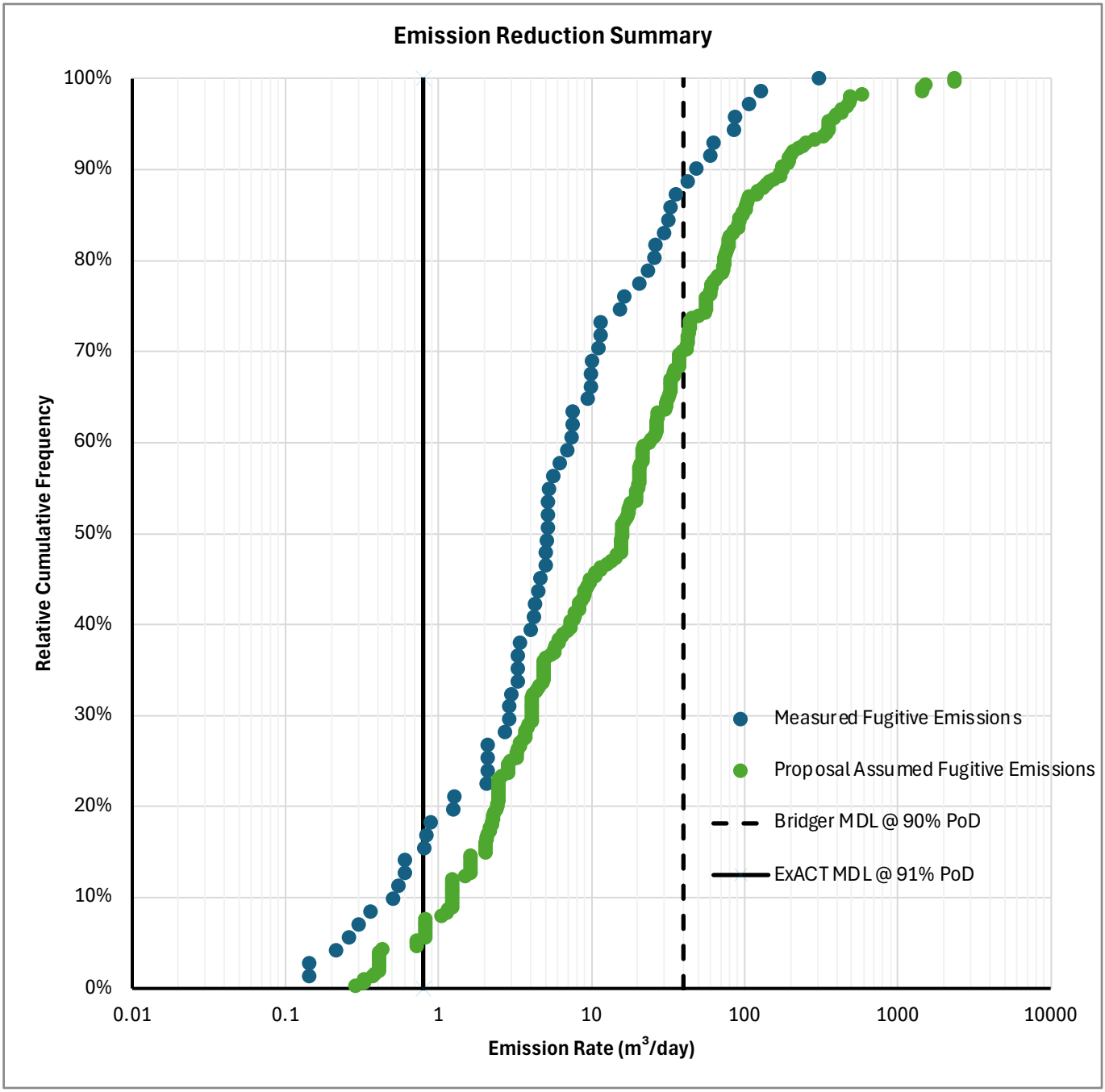

Figure 6. Comparison of relative cumulative frequencies for the "as-found" measured fugitive emissions versus the proposal-assumed fugitive emissions.

5. Technology Limitations

Bridger's detection sensitivity depends on factors including flight speed, flight altitude, measurement swath width, and wind speed. Many of these factors can be controlled by Bridger to tighten or loosen the sensitivity as required. Bridger's GML is an active, laser-based system, rather than a passive remote sensor that relies on the environment, so conditions such as cloud cover or shadows that can impair other aerial sensor technologies do not negatively impact GML. Regarding operations at northern latitudes, GML is moderately limited by snow cover and standing water. While GML will detect methane when there is snow on the ground, the detection sensitivity of the data is degraded. With standing water, Bridger's laser 'bounces' off and, as a result, no measurement is made. In several areas of Alberta, the muskeg landscape holds pockets of water in the warmer months. Based on testing and commercial projects completed in Alberta, the muskeg landscape has not negatively impacted Bridger's GML measurements. As a result of high winds rapidly dispersing emissions, Bridger limits its survey operations to ground wind speeds less than or equal to 25 mph. Bridger also implements a wind speed protocol to detect emissions at the lower end of GML's detection sensitivity. To avoid Bridger's limitations in snow, Bridger was only implemented in snow-free months (between late Spring and early Winter).

The ExACT technology is not impacted by cloud cover or shadows. ExACT can only reliably measure methane emissions in wind speeds of 0.8 metres per second or greater. The vehicle must be able to get downwind of an emission source for detection to occur. There are no limitations in required operational temperatures (ranges from -40°C to +40°C). ExACT can operate in moderate rain and snow-covered conditions without limitations.

6. Success of the alt-FEMP

The alt-FEMP was designed to meet methane emission equivalency to a default FEMP using alternative site screening technologies combined with OGI surveys. The execution of this program has been successfully completed.

7. Nonperforming Program Elements

During the first year of the alt-FEMP, timing of the initial screening campaigns was delayed by two months from the timing described in the alt-FEMP application due to delays in securing funding for the program. Additionally, some Control Region OGI surveys were not completed during the final round of triannual surveys planned for Q4 2023.

There were no issues encountered during the second year of the program and all elements were successfully completed.

8. Additional Control Measures

Any sites that were missed during screenings were automatically added to be followed-up on by OGI survey.

9. Additional Information

In October 2024, prior to West Lake's final truck screening of the alt-FEMP, West Lake was granted approval from the AER to change the truck screening technology from Montrose's truck to the ExACT truck technology. This change was made in an effort to obtain better data from the truck screening by obtaining quantified site emission rates from the screening rather than unquantified detections using the Montrose truck. No changes to the scope of the truck screening or follow-up percentage were made and the ExACT technology was successfully implemented after approval was granted.

10. Key Performance Indicators

- West Lake was successful in implementing alternative technologies to conduct LDAR screening, where emissions were detected at 227 of the 441 facility screenings, representing an aggregated rate of 32,316 m^3/day of methane.
- Over the course of the alt-FEMP, OGI follow-up surveys detected 124 fugitive methane emissions with a total combined rate of 1,396 m^3/day.
- All 179 fugitive emissions detected from Control region and follow-up OGI surveys were repaired under the alt-FEMP.
- See Table 4 for additional key performance indicators for both the alt-FEMP and control regions.

Appendix A: Raw Detailed Data

Please refer to the attached excel file of the raw data collected during the screening and follow-up surveys titled “West Lake AER Data Template.xlsx”.

Appendix B: Screening Data – Site-total Emissions by Campaign

Site	Year	Campaign	Site-Total Emission Rate (m3/d)		Site	Year	Campaign	Site-Total Emission Rate (m3/d)
13-01-053-05W4	2024	Bridger	1289		13-01-053-05W4	2024	ExACT	539.97
15-11-047-05W4	2024	Bridger	1186		15-11-047-05W4	2024	ExACT	269.02
02-32-052-06W4	2024	Bridger	837		13-35-038-02W4	2024	ExACT	224.99
04-25-052-07W4	2024	Bridger	669		01-32-052-06W4	2024	ExACT	212.69
09-04-043-04W4	2024	Bridger	517		14-24-043-10W4	2024	ExACT	200.48
13-09-049-01W4	2024	Bridger	501		02-36-052-07W4	2024	ExACT	138.19
16-32-052-06W4	2024	Bridger	485		02-32-052-06W4	2024	ExACT	131.57
12-16-047-06W4	2024	Bridger	408		04-25-052-07W4	2024	ExACT	131.28
03-02-053-05W4	2024	Bridger	363		12-11-047-05W4	2024	ExACT	130.93
02-36-052-07W4	2024	Bridger	305		12-16-047-06W4	2024	ExACT	127.81
07-05-021-07W4	2024	Bridger	265		13-09-049-01W4	2024	ExACT	110.87
09-19-047-06W4	2024	Bridger	263		09-10-047-05W4	2024	ExACT	102.03
02-29-047-06W4	2024	Bridger	261		16-13-038-04W4	2024	ExACT	86.99
08-09-040-03W4	2024	Bridger	204		08-02-047-05W4	2024	ExACT	76.63
01-32-052-06W4	2024	Bridger	119		03-02-053-05W4	2024	ExACT	75.58
09-13-021-07W4	2024	Bridger	117		07-18-038-03W4	2024	ExACT	72.95
04-30-052-06W4	2024	Bridger	111		08-14-028-12W4	2024	ExACT	71.15
05-02-053-06W4	2024	Bridger	97		11-32-043-09W4	2024	ExACT	69.87
13-35-038-02W4	2024	Bridger	93		11-34-037-03W4	2024	ExACT	68.83
09-32-020-07W4	2024	Bridger	91		16-15-039-02W4	2024	ExACT	63.08
08-02-047-05W4	2024	Bridger	75		16-30-047-06W4	2024	ExACT	62.85
02-29-052-06W4	2024	Bridger	72		03-16-040-03W4	2024	ExACT	62.52
05-12-039-02W4	2024	Bridger	62		09-04-043-04W4	2024	ExACT	62.36
08-14-028-12W4	2024	Bridger	58		15-05-040-02W4	2024	ExACT	61.92
03-25-038-04W4	2024	Bridger	46		04-30-052-06W4	2024	ExACT	58.39
14-24-043-10W4	2024	Bridger	40		16-03-047-05W4	2024	ExACT	57.61
09-03-047-05W4	2024	Bridger	21		01-16-040-03W4	2024	ExACT	54.53
08-29-043-09W4	2024	Bridger	16		03-25-038-04W4	2024	ExACT	48.71
15-30-052-06W4	2024	Bridger	0		15-09-040-02W4	2024	ExACT	48.47
14-25-038-10W4	2024	Bridger	0		08-29-043-09W4	2024	ExACT	45.93

04-32-038-03W4	2024	Bridger	0		07-03-038-03W4	2024	ExACT	44.05
07-03-038-03W4	2024	Bridger	0		04-11-039-02W4	2024	ExACT	43.86
01-09-040-02W4	2024	Bridger	0		11-17-040-03W4	2024	ExACT	43.14
08-24-040-02W4	2024	Bridger	0		08-15-028-12W4	2024	ExACT	41.04
01-16-040-03W4	2024	Bridger	0		09-32-020-07W4	2024	ExACT	40.85
10-17-040-10W4	2024	Bridger	0		02-16-049-01W4	2024	ExACT	40.54
16-30-052-06W4	2024	Bridger	0		09-18-040-02W4	2024	ExACT	37.35
03-21-039-05W4	2024	Bridger	0		08-24-040-02W4	2024	ExACT	35.29
15-05-040-02W4	2024	Bridger	0		03-21-039-05W4	2024	ExACT	34.65
05-25-038-10W4	2024	Bridger	0		09-03-047-05W4	2024	ExACT	33.97
07-16-041-01W4	2024	Bridger	0		16-30-052-06W4	2024	ExACT	33.86
13-10-040-02W4	2024	Bridger	0		01-16-037-03W4	2024	ExACT	32.13
11-17-040-03W4	2024	Bridger	0		02-29-052-06W4	2024	ExACT	31.55
06-35-038-02W4	2024	Bridger	0		06-16-038-03W4	2024	ExACT	30.65
11-17-040-02W4	2024	Bridger	0		15-30-052-06W4	2024	ExACT	29.71
14-10-038-03W4	2024	Bridger	0		06-34-037-03W4	2024	ExACT	29.57
02-06-040-05W4	2024	Bridger	0		16-23-039-03W4	2024	ExACT	29.04
10-21-040-03W4	2024	Bridger	0		06-17-039-03W4	2024	ExACT	28.8
05-20-049-01W4	2024	Bridger	0		03-05-039-02W4	2024	ExACT	28.77
15-09-040-02W4	2024	Bridger	0		08-09-040-03W4	2024	ExACT	28.74
10-08-040-02W4	2024	Bridger	0		09-19-047-06W4	2024	ExACT	27.76
10-13-040-02W4	2024	Bridger	0		07-05-021-07W4	2024	ExACT	27.04
02-03-038-03W4	2024	Bridger	0		08-30-047-06W4	2024	ExACT	26.45
04-34-037-03W4	2024	Bridger	0		05-03-038-03W4	2024	ExACT	26.39
04-20-049-01W4	2024	Bridger	0		16-32-052-06W4	2024	ExACT	24.83
04-20-047-06W4	2024	Bridger	0		05-20-049-01W4	2024	ExACT	24.69
14-23-055-14W4	2024	Bridger	0		04-29-052-06W4	2024	ExACT	24.14
16-23-039-03W4	2024	Bridger	0		10-13-040-02W4	2024	ExACT	23.36
16-03-047-05W4	2024	Bridger	0		06-35-038-02W4	2024	ExACT	22.71
12-04-040-03W4	2024	Bridger	0		07-13-040-03W4	2024	ExACT	21.22
16-30-047-06W4	2024	Bridger	0		06-34-039-04W4	2024	ExACT	19.77
16-12-038-04W4	2024	Bridger	0		16-12-038-04W4	2024	ExACT	18.88
11-04-040-03W4	2024	Bridger	0		09-13-021-07W4	2024	ExACT	18.17
10-05-040-03W4	2024	Bridger	0		02-29-047-06W4	2024	ExACT	17.95
14-04-040-02W4	2024	Bridger	0		03-11-028-12W4	2024	ExACT	17.59
08-16-037-03W4	2024	Bridger	0		09-05-040-03W4	2024	ExACT	16.01

12-18-038-03W4	2024	Bridger	0		10-19-040-01W4	2024	ExACT	15.02
08-30-047-06W4	2024	Bridger	0		14-04-040-02W4	2024	ExACT	14.73
06-09-021-07W4	2024	Bridger	0		05-02-053-06W4	2024	ExACT	13.63
16-13-038-04W4	2024	Bridger	0		14-23-055-14W4	2024	ExACT	13.59
11-10-038-03W4	2024	Bridger	0		04-20-047-06W4	2024	ExACT	13.12
16-15-039-02W4	2024	Bridger	0		11-10-038-03W4	2024	ExACT	12.77
11-34-037-03W4	2024	Bridger	0		13-06-041-02W4	2024	ExACT	12.75
13-28-023-09W4	2024	Bridger	0		10-28-037-03W4	2024	ExACT	12.32
01-29-039-05W4	2024	Bridger	0		15-18-040-03W4	2024	ExACT	11.68
10-19-040-01W4	2024	Bridger	0		05-12-039-02W4	2024	ExACT	11.01
09-05-040-03W4	2024	Bridger	0		03-03-038-03W4	2024	ExACT	10.44
03-16-040-03W4	2024	Bridger	0		01-09-040-02W4	2024	ExACT	8.24
01-16-037-03W4	2024	Bridger	0		04-34-037-03W4	2024	ExACT	7.26
09-10-047-05W4	2024	Bridger	0		11-17-040-02W4	2024	ExACT	4.26
06-11-028-12W4	2024	Bridger	0		11-04-040-03W4	2024	ExACT	0
03-11-028-12W4	2024	Bridger	0		16-05-040-03W4	2024	ExACT	0
06-22-040-02W4	2024	Bridger	0		05-25-038-10W4	2024	ExACT	0
03-03-038-03W4	2024	Bridger	0		05-20-040-10W4	2024	ExACT	0
02-16-049-01W4	2024	Bridger	0		12-04-040-03W4	2024	ExACT	0
12-11-047-05W4	2024	Bridger	0		06-22-040-02W4	2024	ExACT	0
11-32-043-09W4	2024	Bridger	0		10-08-040-02W4	2024	ExACT	0
04-11-039-02W4	2024	Bridger	0		06-09-021-07W4	2024	ExACT	0
06-16-038-03W4	2024	Bridger	0		07-16-041-01W4	2024	ExACT	0
07-13-040-03W4	2024	Bridger	0		06-11-028-12W4	2024	ExACT	0
05-03-038-03W4	2024	Bridger	0		14-04-040-03W4	2024	ExACT	0
11-35-039-03W4	2024	Bridger	0		02-03-038-03W4	2024	ExACT	0
09-18-040-02W4	2024	Bridger	0		10-05-040-03W4	2024	ExACT	0
04-29-052-06W4	2024	Bridger	0		13-10-040-02W4	2024	ExACT	0
06-17-039-03W4	2024	Bridger	0		13-28-023-09W4	2024	ExACT	0
10-28-037-03W4	2024	Bridger	0		07-24-040-02W4	2024	ExACT	0
10-36-039-02W4	2024	Bridger	0		11-24-038-04W4	2024	ExACT	0
05-20-040-10W4	2024	Bridger	0		04-10-038-03W4	2024	ExACT	0
08-15-028-12W4	2024	Bridger	0		10-21-040-03W4	2024	ExACT	0
16-05-040-03W4	2024	Bridger	0		14-10-038-03W4	2024	ExACT	0
03-05-039-02W4	2024	Bridger	0		12-18-038-03W4	2024	ExACT	0
04-10-038-03W4	2024	Bridger	0		14-25-038-10W4	2024	ExACT	0

15-18-040-03W4	2024	Bridger	0		04-32-038-03W4	2024	ExACT	0
07-18-038-03W4	2024	Bridger	0		04-20-049-01W4	2024	ExACT	0
11-24-038-04W4	2024	Bridger	0		02-06-040-05W4	2024	ExACT	0
13-06-041-02W4	2024	Bridger	0		11-35-039-03W4	2024	ExACT	0
06-34-037-03W4	2024	Bridger	0		01-29-039-05W4	2024	ExACT	0
14-04-040-03W4	2024	Bridger	0		10-17-040-10W4	2024	ExACT	0
07-24-040-02W4	2024	Bridger	0		10-36-039-02W4	2024	ExACT	0
					08-16-037-03W4	2024	ExACT	0

Appendix C: Screening Data – Individual Emissions

Site	Year	Campaign	Emission Rate (m3/d)		Site	Year	Campaign	Emission Rate (m3/d)
13-01-053-05W4	2024	Bridger	1289		13-01-053-05W4	2024	ExACT	539.97
15-11-047-05W4	2024	Bridger	952		15-11-047-05W4	2024	ExACT	269.02
16-32-052-06W4	2024	Bridger	485		13-35-038-02W4	2024	ExACT	224.99
04-25-052-07W4	2024	Bridger	450		01-32-052-06W4	2024	ExACT	212.69
02-32-052-06W4	2024	Bridger	445		14-24-043-10W4	2024	ExACT	200.48
12-16-047-06W4	2024	Bridger	408		02-36-052-07W4	2024	ExACT	138.19
03-02-053-05W4	2024	Bridger	363		02-32-052-06W4	2024	ExACT	131.57
13-09-049-01W4	2024	Bridger	283		04-25-052-07W4	2024	ExACT	131.28
07-05-021-07W4	2024	Bridger	265		12-11-047-05W4	2024	ExACT	130.93
02-29-047-06W4	2024	Bridger	261		12-16-047-06W4	2024	ExACT	127.81
02-36-052-07W4	2024	Bridger	229		13-09-049-01W4	2024	ExACT	110.87
04-25-052-07W4	2024	Bridger	219		09-10-047-05W4	2024	ExACT	102.03
02-32-052-06W4	2024	Bridger	208		16-13-038-04W4	2024	ExACT	86.99
08-09-040-03W4	2024	Bridger	204		08-02-047-05W4	2024	ExACT	76.63
09-19-047-06W4	2024	Bridger	160		03-02-053-05W4	2024	ExACT	75.58
09-04-043-04W4	2024	Bridger	150		07-18-038-03W4	2024	ExACT	72.95
13-09-049-01W4	2024	Bridger	143		08-14-028-12W4	2024	ExACT	71.15
09-04-043-04W4	2024	Bridger	141		11-32-043-09W4	2024	ExACT	69.87
15-11-047-05W4	2024	Bridger	120		11-34-037-03W4	2024	ExACT	68.83
01-32-052-06W4	2024	Bridger	119		16-15-039-02W4	2024	ExACT	63.08
09-13-021-07W4	2024	Bridger	117		16-30-047-06W4	2024	ExACT	62.85
09-04-043-04W4	2024	Bridger	116		03-16-040-03W4	2024	ExACT	62.52
15-11-047-05W4	2024	Bridger	114		09-04-043-04W4	2024	ExACT	62.36
04-30-052-06W4	2024	Bridger	111		15-05-040-02W4	2024	ExACT	61.92
09-04-043-04W4	2024	Bridger	110		04-30-052-06W4	2024	ExACT	58.39
09-19-047-06W4	2024	Bridger	103		16-03-047-05W4	2024	ExACT	57.61
02-32-052-06W4	2024	Bridger	95		01-16-040-03W4	2024	ExACT	54.53
13-35-038-02W4	2024	Bridger	93		03-25-038-04W4	2024	ExACT	48.71
09-32-020-07W4	2024	Bridger	91		15-09-040-02W4	2024	ExACT	48.47
02-32-052-06W4	2024	Bridger	89		08-29-043-09W4	2024	ExACT	45.93
02-36-052-07W4	2024	Bridger	76		07-03-038-03W4	2024	ExACT	44.05

05-02-053-06W4	2024	Bridger	62		04-11-039-02W4	2024	ExACT	43.86
05-12-039-02W4	2024	Bridger	62		11-17-040-03W4	2024	ExACT	43.14
08-14-028-12W4	2024	Bridger	58		08-15-028-12W4	2024	ExACT	41.04
13-09-049-01W4	2024	Bridger	52		09-32-020-07W4	2024	ExACT	40.85
03-25-038-04W4	2024	Bridger	46		02-16-049-01W4	2024	ExACT	40.54
14-24-043-10W4	2024	Bridger	40		09-18-040-02W4	2024	ExACT	37.35
08-02-047-05W4	2024	Bridger	38		08-24-040-02W4	2024	ExACT	35.29
08-02-047-05W4	2024	Bridger	37		03-21-039-05W4	2024	ExACT	34.65
02-29-052-06W4	2024	Bridger	36		09-03-047-05W4	2024	ExACT	33.97
02-29-052-06W4	2024	Bridger	36		16-30-052-06W4	2024	ExACT	33.86
05-02-053-06W4	2024	Bridger	35		01-16-037-03W4	2024	ExACT	32.13
13-09-049-01W4	2024	Bridger	23		02-29-052-06W4	2024	ExACT	31.55
09-03-047-05W4	2024	Bridger	21		06-16-038-03W4	2024	ExACT	30.65
08-29-043-09W4	2024	Bridger	16		15-30-052-06W4	2024	ExACT	29.71
04-20-047-06W4	2024	Bridger	0		06-34-037-03W4	2024	ExACT	29.57
11-34-037-03W4	2024	Bridger	0		16-23-039-03W4	2024	ExACT	29.04
03-11-028-12W4	2024	Bridger	0		06-17-039-03W4	2024	ExACT	28.8
07-03-038-03W4	2024	Bridger	0		03-05-039-02W4	2024	ExACT	28.77
					08-09-040-03W4	2024	ExACT	28.74
					09-19-047-06W4	2024	ExACT	27.76
					07-05-021-07W4	2024	ExACT	27.04
					08-30-047-06W4	2024	ExACT	26.45
					05-03-038-03W4	2024	ExACT	26.39
					16-32-052-06W4	2024	ExACT	24.83
					05-20-049-01W4	2024	ExACT	24.69
					04-29-052-06W4	2024	ExACT	24.14
					10-13-040-02W4	2024	ExACT	23.36
					06-35-038-02W4	2024	ExACT	22.71
					07-13-040-03W4	2024	ExACT	21.22
					06-34-039-04W4	2024	ExACT	19.77
					16-12-038-04W4	2024	ExACT	18.88
					09-13-021-07W4	2024	ExACT	18.17
					02-29-047-06W4	2024	ExACT	17.95
					03-11-028-12W4	2024	ExACT	17.59
					09-05-040-03W4	2024	ExACT	16.01
					10-19-040-01W4	2024	ExACT	15.02

					14-04-040-02W4	2024	ExACT	14.73
					05-02-053-06W4	2024	ExACT	13.63
					14-23-055-14W4	2024	ExACT	13.59
					04-20-047-06W4	2024	ExACT	13.12
					11-10-038-03W4	2024	ExACT	12.77
					13-06-041-02W4	2024	ExACT	12.75
					10-28-037-03W4	2024	ExACT	12.32
					15-18-040-03W4	2024	ExACT	11.68
					05-12-039-02W4	2024	ExACT	11.01
					03-03-038-03W4	2024	ExACT	10.44
					01-09-040-02W4	2024	ExACT	8.24
					04-34-037-03W4	2024	ExACT	7.26
					11-17-040-02W4	2024	ExACT	4.26