



Operating Company(s):
Business Type(s):

State(s) of Operation:
Regulatory Environment:
Report Date:

Gas Company ESG/Sustainability Quantitative Information

NorthWestern Energy Group, Inc.
NorthWestern Energy
>15% Vertically Integrated and remaining
T&D only
Montana, South Dakota & Nebraska
Regulated
9/3/25

NorthWestern Energy - Total Company

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline	Calendar Year	Calendar Year	Calendar Year	Calendar Year	Calendar Year	Definitions
		2012	2020	2021	2022	2023	2024	
Natural Gas Distribution								
1	METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS							<p>All methane leak sources per 98.232 (i) (1-6) are included for Distribution. Combustion sources are excluded. CO₂ is excluded.</p> <p>These metrics should include all local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98, Subpart W reporting rule.</p> <p>These metrics should provide the number of years remaining to take out of service, replace or upgrade cathodically unprotected steel mains, and cast iron/wrought iron mains, consistent with applicable state utility commission authorizations.</p> <p>Optional: # yrs by pipe type. Optional: # yrs by pipe type.</p> <p><u>Fugitive methane emissions (not CO₂ combustion emissions) stated as CO₂e, as reported to EPA under 40 CFR 98, Subpart W, sections 98.236(q)(3)(ix)(D), 98.236(r)(1)(v), and 98.236(r)(2)(v)(B) - i.e., this is Subpart W methane emissions as input in row 2.2 below and converted to CO₂e here.</u> This metric should include fugitive methane emissions above the reporting threshold for all natural gas local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98, Subpart W reporting rule. <u>Calculated value based on mt CH₄ input in the 2.2 (below).</u></p> <p><u>INPUT VALUE (total mt CH₄) as explained in definition above.</u> <u>Subpart W input is CH₄ (mt).</u></p> <p>This metric provides gas throughput from distribution (quantity of natural gas delivered to end users) reported under Subpart W, 40 C.F.R. 98.236(aa)(9)(iv), as reported on the Subpart W e-GRRT integrated reporting form in the "Facility Overview" worksheet Excel form, Quantity of natural gas delivered to end users (column 4).</p> <p>Calculated annual metric: (MMSFC methane emissions/MMSFC methane throughput).</p>
1.1	Number of Gas Distribution Customers	268,622	293,267	296,731	300,348	303,235	306,420	
1.2	Distribution Mains in Service							
1.2.1	Plastic (miles)	4,477	4,995	5,088	5,287	5,380	5,510	
1.2.2	Cathodically Protected Steel - Bare & Coated (miles)	2,463	2,383	2,373	2,367	2,359	2,346	
1.2.3	Unprotected Steel - Bare & Coated (miles)	0	0	0	0	0	0	
1.2.4	Cast Iron / Wrought Iron - without upgrades (miles)	0	0	0	0	0	0	
1.3	Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete)							
1.3.1	Unprotected Steel (Bare & Coated) (# years to complete)	0	0	0	0	0	0	
1.3.2	Cast Iron / Wrought Iron (# years to complete)	0	0	0	0	0	0	
2	Distribution CO ₂ e Fugitive Emissions							
2.1	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	35,114	36,391	36,735	37,088	37,452	42,545	
2.1.A	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations/Customer (metric tons/customers)	0.1307	0.1241	0.1238	0.1235	0.1235	0.1388	
2.1.B	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations/Line Mile (metric tons/line mile)	5.0593	4.9322	4.9235	4.8457	4.8398	5.4154	
2.2	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	1,405	1,456	1,469	1,482	1,496	1,518	
2.2.A	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations/Customer (metric tons/customers)	0.0052	0.0050	0.0050	0.0049	0.0049	0.0050	
2.2.B	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations/Line Mile (metric tons/line mile)	0.2024	0.1973	0.1969	0.1936	0.1933	0.1932	
2.2.1	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	73.15	75.81	76.50	77.18	77.92	79.07	
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	73,633,770	101,046,911	102,043,786	104,246,449	110,022,809	110,145,520	
2.3.1	Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet (MMscf/year)	69,952	95,995	96,942	99,034	104,522	104,638	
2.4	Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.0032060	0.0024889	0.0025192	0.0026668	0.0023450	0.0013411	



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Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline	Calendar Year	Calendar Year	Calendar Year	Calendar Year	Calendar Year	Definitions
		2012	2020	2021	2022	2023	2024	
Natural Gas Transmission and Storage								
0.1	Transmission Line Miles	Not Available	2,144.00	2,140.00	2,203.00	2,203.00	2,189.00	<u>All methane leak sources per 98.232 (e) (1-8), (f)(1-8), and (m) are included for Transmission and Storage. Combustion sources are excluded. CO₂ and N₂O are excluded.</u>
1	Onshore Natural Gas Transmission Compression Methane Emissions							<u>Fugitive Methane</u> emissions as defined in 40 CFR 98 Sub W Section 232 (e) (1-8), CO ₂ and N ₂ O emissions are excluded from this section.
1.1.1	Pneumatic Device Venting (metric tons/year)	Not Available	49.10	49.10	49.07	79.10	99.53	Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)
1.1.2	Blowdown Vent Stacks (metric tons/year)	Not Available	29.96	47.80	28.64	29.10	30.20	Value reported using calculation in 40 CFR 98 Sub W Section 236(i)(1)(iii)
1.1.3	Transmission Storage Tanks (metric tons/year)	Not Available	47.20	47.20	47.19	60.50	56.40	Value reported using calculation in 40 CFR 98 Sub W Section 236(k)(2)(v)
1.1.4	Flare Stack Emissions (metric tons/year)	Not Available	-	-	-	-	-	Value reported using calculation in 40 CFR 98 Sub W Section 236(n)(11)
1.1.5	Centrifugal Compressor Venting (metric tons/year)	Not Available	13.50	13.50	13.50	0.49	0.14	Value reported using calculation in 40 CFR 98 Sub W Section 236(o)(2)(ii)(D)(2)
1.1.6	Reciprocating Compressor Venting (metric tons/year)	Not Available	30.70	30.70	30.66	34.60	35.55	Value reported using calculation in 40 CFR 98 Sub W Section 236(p)(2)(ii)(D)(2)
1.1.7	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)	Not Available	14.50	14.50	14.50	59.60	88.31	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
1.1.7.B	Equipment Leaks per Transmission Line Mile (metric tons / transmission line miles)	Not Available	0.01	0.01	0.01	0.03	0.04	
1.1.8	Other Leaks (metric tons/year)	-	-	-	-	-	-	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
1.1.8.B	Other leaks per Transmission Line Mile (metric tons / transmission line miles)	-	-	-	-	-	-	
1.1.9.B	Total Leaks per Transmission Line Mile (metric tons / transmission line miles)	Not Available	0.01	0.01	0.01	0.03	0.04	
1.2	Total Transmission Compression Methane Emissions (metric tons/year)	Not Available	184.96	202.80	183.56	263.39	310.13	
1.2.B	Total Transmission Compression Methane Emissions per Transmission Line Mile (metric tons / trans. line miles)	Not Available	0.09	0.09	0.08	0.12	0.14	
1.3	Total Transmission Compression Methane Emissions (CO ₂ e/year)	Not Available	4,624	5,070	4,589	6,585	7,753	
1.4	Total Transmission Compression Methane Emissions (MSCF/year)	Not Available	9,633	10,563	9,560	13,718	16,153	Density of Methane = 0.0192 kg/ft ³ per 40 CFR Sub W EQ. W-36
2	Underground Natural Gas Storage Methane Emissions							<u>Fugitive Methane</u> emissions as defined in 40 CFR 98 Sub W Section 232 (f) (1-8), CO ₂ and N ₂ O emissions are excluded from this section.
2.1.1	Pneumatic Device Venting (metric tons/year)	Not Available	53.50	53.50	53.51	53.50	68.94	Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)
2.1.2	Flare Stack Emissions (metric tons/year)	-	-	-	-	-	-	Value reported using calculation in 40 CFR 98 Sub W Section 236(n)(11)
2.1.3	Centrifugal Compressor Venting (metric tons/year)	Not Available	9.10	9.10	9.14	9.10	-	Value reported using calculation in 40 CFR 98 Sub W Section 236(o)(2)(ii)(D)(2)
2.1.4	Reciprocating Compressor Venting (metric tons/year)	Not Available	17.30	17.30	17.30	31.20	37.41	Value reported using calculation in 40 CFR 98 Sub W Section 236(p)(2)(ii)(D)(2)
2.1.5	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)	Not Available	-	-	-	12.20	13.55	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.6	Other Equipment Leaks (metric tons/year)	-	-	-	-	-	-	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.7	Equipment leaks from valves, connectors, open-ended lines, and pressure relief valves associated with storage wellheads (metric tons/year)	Not Available	471.90	471.90	471.90	459.80	470.00	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.8	Other equipment leaks from components associated with storage wellheads (metric tons/year)	-	-	-	-	-	-	Value reported using calculation in 40 CFR 98 Sub W Section 232(q)(2)(v)
2.2	Total Storage Compression Methane Emissions (metric tons/year)	Not Available	551.80	551.80	551.85	565.80	589.90	
2.3	Total Storage Compression Methane Emissions (CO ₂ e/year)	Not Available	13,795	13,795	13,796	14,145	14,748	
2.4	Total Storage Compression Methane Emissions (MSCF/year)	Not Available	28,740	28,740	28,742	29,469	30,724	Density of Methane = 0.0192 kg/ft ³ per 40 CFR Sub W EQ. W-36



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		2012	2020	2021	2022	2023	2024	
3	Onshore Natural Gas Transmission Pipeline Blowdowns							
3.1	Transmission Pipeline Blowdown Vent Stacks (metric tons/year)	Not Available	178	230	27	11	5	Blowdown vent stacks for onshore transmission pipeline as defined in 40 CFR 98 Sub W Section 232 (m), CO2 and N2O emissions are excluded from this section. Value reported using calculation in 40 CFR 98 Sub W Section 232(i)(3)(ii)
3.2	Transmission Pipeline Blowdown Vent Stacks (CO2e/year)	Not Available	4,462	5,750	687	283	135	
3.3	Transmission Pipeline Blowdown Vent Stacks (MSCF/year)	Not Available	9,296	11,979	1,430	589	281	
4	Other Non-Sub W Emissions Data (OPTIONAL)							(OPTIONAL) If desired, report additional sources required by ONE Future include dehydrator vents, storage station venting transmission pipeline leaks, and storage tank methane.
4.1	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (metric tons/year)	-	-	-	-	-	-	
4.2	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (CO2e/year)	-	-	-	-	-	-	
4.3	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (MSCF/year)	-	-	-	-	-	-	
5	Summary and Metrics							
5.1	Total Transmission and Storage Methane Emissions (MMSCF/year)	Not Available	48	51	40	44	47	
5.2	Annual Natural Gas Throughput from Gas Transmission and Storage Operations (MSCF/year)	Not Available	59,059,773	58,072,832	63,513,996	63,151,838	64,124,052	EIA 176 throughput or other reference for other throughput selected
5.2.1	Annual Methane Gas Throughput from Gas Transmission and Storage Operations (MMSCF/year)	Not Available	56,107	55,169	60,338	59,994	60,918	Methane content in natural gas equals 95% based on 40 CFR 98 Sub W 233(u)(2)(vii)
5.3	Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	
Natural Gas Gathering and Boosting								
1	METHANE EMISSIONS							
1.1	Gathering and Boosting Pipelines, Blow Down Volumes, and Emissions	Not Available	-	-	-	-	-	
1.1.1	Total Miles of Gathering Pipeline Operated by gas utility (miles)	Not Available	1,222	1,222	1,222	1,222	1,222	
1.1.2	Volume of Gathering Pipeline Blow Down Emissions (scf)	Not Available	660,299	1,365,597	54,000	53,310	36,768	This metric is collected to support calculations under EPA 40 CFR 98, Subpart W.
1.1.4	Gathering Pipeline Blow-Down Emissions outside storage and compression	Not Available	12.68	24.80	0.24	0.20	0.20	
2	CO2e COMBUSTION EMISSIONS FOR GATHERING & BOOSTING COMPRESSION							
2.1	CO2e Emissions for Gathering & Boosting Compression Stations (metric tons)	Not Available	7,569	7,046	6,656	6,963	8,933	CO2 combustion emissions as reported to EPA under 40 CFR 98, Subpart C, as directed in Subpart W, 98.232(k).
3	CONVENTIONAL COMBUSTION EMISSIONS FROM GATHERING & BOOSTING COMPRESSION							
3.1	Emissions reported for all permitted sources (minor or major)	-	-	-	-	-	-	The number of permitted sources for conventional emissions may not be the same number of sources reporting under the EPA GHG reporting rule. Companies may wish to describe which, or how many, sources are included in the conventional pollutants data and whether the CO2e data reported includes all of these sources.
3.1.1	NOx (metric tons per year)	Not Available	25.12	23.35	22.07	22.02	27.00	
3.1.2	VOC (metric tons per year)	Not Available	54.79	54.82	52.55	55.08	40.34	



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Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline 2012	Calendar Year 2020	Calendar Year 2021	Calendar Year 2022	Calendar Year 2023	Calendar Year 2024	Definitions	
Natural Gas Distribution									
1	METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS							All methane leak sources per 98.232 (i) (1-6) are included for Distribution. Combustion sources are excluded. CO₂ is excluded.	
1.1	Number of Gas Distribution Customers	182,364	202,436	205,182	207,834	210,202	212,455	These metrics should include all local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98, Subpart W reporting rule.	
1.2	Distribution Mains in Service								
1.2.1	Plastic (miles)	3,335	3,695	3,760	3,937	3,999	4,072		
1.2.2	Cathodically Protected Steel - Bare & Coated (miles)	1,255	1,183	1,170	1,162	1,156	1,149		
1.2.3	Unprotected Steel - Bare & Coated (miles)	-	-	-	-	-	-	These metrics should provide the number of years remaining to take out of service, replace or upgrade cathodically unprotected steel mains, and cast iron/wrought iron mains, consistent with applicable state utility commission authorizations.	
1.2.4	Cast Iron / Wrought Iron - without upgrades (miles)	-	-	-	-	-	-		
1.3	Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete)							Optional: # yrs by pipe type. Optional: # yrs by pipe type.	
1.3.1	Unprotected Steel (Bare & Coated) (# years to complete)	-	-	-	-	-	-		
1.3.2	Cast Iron / Wrought Iron (# years to complete)	-	-	-	-	-	-		
2	Distribution CO₂e Fugitive Emissions							Fugitive methane emissions (not CO ₂ combustion emissions) stated as CO ₂ e, as reported to EPA under 40 CFR 98, Subpart W, sections 98.236(q)(3)(ix)(D), 98.236(r)(1)(v), and 98.236(r)(2)(v)(B) - i.e., this is Subpart W methane emissions as input in row 2.2 below and converted to CO ₂ e here. This metric should include fugitive methane emissions above the reporting threshold for all natural gas local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98, Subpart W reporting rule. Calculated value based on mt CH ₄ input in the 2.2 (below).	
2.1	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	24,511	25,179	25,494	26,050	26,288	29,762		
2.1.A	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations/Customer (metric tons/customers)	0.1344	0.1244	0.1242	0.1253	0.1251	0.1401		
2.1.B	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations/Line Mile (metric tons/line mile)	5.3401	5.1618	5.1711	5.1088	5.0995	5.7004		
2.2	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	980	1,007	1,020	1,041	1,050	1,062		
2.2.A	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations/Customer (metric tons/customers)	0.0054	0.0050	0.0050	0.0050	0.0050	0.0050		
2.2.B	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations/Line Mile (metric tons/line mile)	0.2136	0.2065	0.2068	0.2041	0.2037	0.2034		
2.2.1	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	51.06	52.46	53.11	54.21	54.69	55.31		
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	38,243,784	59,059,773	58,072,832	63,513,996	63,151,838	64,124,052		This metric provides gas throughput from distribution (quantity of natural gas delivered to end users) reported under Subpart W, 40 C.F.R. 98.236(aa)(9)(iv), as reported on the Subpart W e-GRRT integrated reporting form in the "Facility Overview" worksheet Excel form, Quantity of natural gas delivered to end users (column 4).
2.3.1	Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet (MMscf/year)	36,332	56,107	55,169	60,338	59,994	60,918		
2.4	Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0%	0%	0%	0%	0%	0%	Calculated annual metric: (MMSCF methane emissions/MMSCF methane throughput)	



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Natural Gas Transmission and Storage								
0.1	Transmission Line Miles	-	2,144	2,140	2,203	2,203	2,189	All methane leak sources per 98.232 (e) (1-8), (f)(1-8), and (m) are included for Transmission and Storage. Combustion sources are excluded. CO₂ and N₂O are excluded.
1	Onshore Natural Gas Transmission Compression Methane Emissions							Fugitive Methane emissions as defined in 40 CFR 98 Sub W Section 232 (e) (1-8), CO ₂ and N ₂ O emissions are excluded from this section.
1.1.1	Pneumatic Device Venting (metric tons/year)	0.0	49.1	49.1	49.1	79.1	99.5	Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)
1.1.2	Blowdown Vent Stacks (metric tons/year)	0.0	30.0	47.8	28.6	29.1	30.2	Value reported using calculation in 40 CFR 98 Sub W Section 236(i)(1)(iii)
1.1.3	Transmission Storage Tanks (metric tons/year)	0.0	47.2	47.2	47.2	60.5	56.4	Value reported using calculation in 40 CFR 98 Sub W Section 236(k)(2)(v)
1.1.4	Flare Stack Emissions (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(n)(11)
1.1.5	Centrifugal Compressor Venting (metric tons/year)	0.0	13.5	13.5	13.5	0.5	0.1	Value reported using calculation in 40 CFR 98 Sub W Section 236(o)(2)(ii)(D)(2)
1.1.6	Reciprocating Compressor Venting (metric tons/year)	0.0	30.7	30.7	30.7	34.6	35.6	Value reported using calculation in 40 CFR 98 Sub W Section 236(p)(2)(ii)(D)(2)
1.1.7	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)	0.0	14.5	14.5	14.5	59.6	88.3	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
1.1.7.B	Equipment Leaks per Transmission Line Mile (metric tons / transmission line miles)	0.0	0.0	0.0	0.0	0.0	0.0	
1.1.8	Other Leaks (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
1.1.8.B	Other leaks per Transmission Line Mile (metric tons / transmission line miles)	0.0	0.0	0.0	0.0	0.0	0.0	
1.1.9.B	Total Leaks per Transmission Line Mile (metric tons / transmission line miles)	0.0	0.0	0.0	0.0	0.0	0.0	
1.2	Total Transmission Compression Methane Emissions (metric tons/year)	0.0	185.0	202.8	183.6	263.4	310.1	
1.2.B	Total Transmission Compression Methane Emissions per Transmission Line Mile (metric tons / trans. line miles)	0.0	0.1	0.1	0.1	0.1	0.1	
1.3	Total Transmission Compression Methane Emissions (CO ₂ e/year)	0.0	4,624.0	5,070.0	4,589.0	6,584.8	7,753.3	
1.4	Total Transmission Compression Methane Emissions (MSCF/year)	0.0	9,633.3	10,562.5	9,560.4	13,718.2	16,152.6	Density of Methane = 0.0192 kg/ft ³ per 40 CFR Sub W EQ. W-36
2	Underground Natural Gas Storage Methane Emissions							Fugitive Methane emissions as defined in 40 CFR 98 Sub W Section 232 (f) (1-8), CO ₂ and N ₂ O emissions are excluded from this section.
2.1.1	Pneumatic Device Venting (metric tons/year)	0.0	53.5	53.5	53.5	53.5	68.9	Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)
2.1.2	Flare Stack Emissions (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(n)(11)
2.1.3	Centrifugal Compressor Venting (metric tons/year)	0.0	9.1	9.1	9.1	9.1	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(o)(2)(ii)(D)(2)
2.1.4	Reciprocating Compressor Venting (metric tons/year)	0.0	17.3	17.3	17.3	31.2	37.4	Value reported using calculation in 40 CFR 98 Sub W Section 236(p)(2)(ii)(D)(2)
2.1.5	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)	0.0	0.0	0.0	0.0	12.2	13.6	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.6	Other Equipment Leaks (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.7	Equipment leaks from valves, connectors, open-ended lines, and pressure relief valves associated with storage wellheads (metric tons/year)	0.0	471.9	471.9	471.9	459.8	470.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.8	Other equipment leaks from components associated with storage wellheads (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 232(q)(2)(v)
2.2	Total Storage Compression Methane Emissions (metric tons/year)	0.0	551.8	551.8	551.9	565.8	589.9	
2.3	Total Storage Compression Methane Emissions (CO ₂ e/year)	0.0	13,795.0	13,795.0	13,796.3	14,145.0	14,747.5	
2.4	Total Storage Compression Methane Emissions (MSCF/year)	0	28,740	28,740	28,742	29,469	30,724	Density of Methane = 0.0192 kg/ft ³ per 40 CFR Sub W EQ. W-36
3	Onshore Natural Gas Transmission Pipeline Blowdowns							Blowdown vent stacks for onshore transmission pipeline as defined in 40 CFR 98 Sub W Section 232 (m), CO ₂ and N ₂ O emissions are excluded from this section.
3.1	Transmission Pipeline Blowdown Vent Stacks (metric tons/year)	0.0	178.5	230.0	27.5	11.3	5.4	Value reported using calculation in 40 CFR 98 Sub W Section 232(i)(3)(ii)
3.2	Transmission Pipeline Blowdown Vent Stacks (CO ₂ e/year)	0	4,462	5,750	687	283	135	
3.3	Transmission Pipeline Blowdown Vent Stacks (MSCF/year)	0	9,296	11,979	1,430	589	281	



Gas Company ESG/Sustainability Quantitative Information

Parent Company:
Operating Company(s):
Business Type(s):

NorthWestern Corp
NorthWestern Energy - Montana
>15% Vertically Integrated and remaining T&D only

NorthWestern Energy - Montana only

State(s) of Operation: Montana
Regulatory Environment: Regulated
Report Date: 9/3/25

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline	Calendar Year	Calendar Year	Calendar Year	Calendar Year	Calendar Year	Definitions
		2012	2020	2021	2022	2023	2024	
4	Other Non-Sub W Emissions Data (OPTIONAL)							(OPTIONAL) If desired, report additional sources required by ONE Future include dehydrator vents, storage station venting transmission pipeline leaks, and storage tank methane.
4.1	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	
4.2	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (CO2e/year)	0.0	0.0	0.0	0.0	0.0	0.0	
4.3	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (MSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	
5	Summary and Metrics							
5.1	Total Transmission and Storage Methane Emissions (MMSCF/year)	0.0	47.7	51.3	39.7	43.8	47.2	
5.2	Annual Natural Gas Throughput from Gas Transmission and Storage Operations	0	59,059,773	58,072,832	63,513,996	63,151,838	64,124,052	EIA 176 throughput or other reference for other throughput selected
5.2.1	Annual Methane Gas Throughput from Gas Transmission and Storage Operations (MMSCF/year)	0.0	56,106.8	55,169.2	60,338.3	59,994.2	60,917.8	Methane content in natural gas equals 95% based on 40 CFR 98 Sub W 233(u)(2)(vii)
5.3	Methane Emissions Intensity Metric (Percent MMScf of Methane Emissions per MMScf of Methane Throughput)	Missing Data	0%	0%	0%	0%	0%	

Natural Gas Gathering and Boosting								
1	METHANE EMISSIONS							
1.1	Gathering and Boosting Pipelines, Blow Down Volumes, and Emissions							
1.1.1	Total Miles of Gathering Pipeline Operated by gas utility (miles)		1,222	1,222	1,222	1,222	1,222	
1.1.2	Volume of Gathering Pipeline Blow Down Emissions (scf)		660,299	1,365,597	54,000	53,310	36,768	This metric is collected to support calculations under EPA 40 CFR 98, Subpart W.
1.1.4	Gathering Pipeline Blow-Down Emissions outside storage and compression facilities (metric tons CO2e)		12.7	24.8	0.2	0.2	0.2	
2	CO2e COMBUSTION EMISSIONS FOR GATHERING & BOOSTING COMPRESSION							
2.1	CO2e Emissions for Gathering & Boosting Compression Stations (metric tons)		7,569	7,046	6,656	6,963	8933.475889	CO2 combustion emissions as reported to EPA under 40 CFR 98, Subpart C, as directed in Subpart W, 98.232(k).
3	CONVENTIONAL COMBUSTION EMISSIONS FROM GATHERING & BOOSTING COMPRESSION							
3.1	Emissions reported for all permitted sources (minor or major)							The number of permitted sources for conventional emissions may not be the same number of sources reporting under the EPA GHG reporting rule. Companies may wish to describe which, or how many, sources are included in the conventional pollutants data and whether the CO2e data reported includes all of these sources.
3.1.1	NOx (metric tons per year)		25.1	23.4	22.1	22.0	27	
3.1.2	VOC (metric tons per year)		54.8	54.8	52.6	55.1	40.3	



Gas Company ESG/Sustainability Quantitative Information

Parent Company:
Operating Company(s):
Business Type(s):
State(s) of Operation:
Regulatory Environment:
Report Date:

NorthWestern Energy Public Service Corporation
NorthWestern Energy - South Dakota
>15% Vertically Integrated and
remaining T&D only
South Dakota
Regulated
9/3/25

NorthWestern Energy - South Dakota only

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline 2012	Calendar Year 2020	Calendar Year 2021	Calendar Year 2022	Calendar Year 2023	Calendar Year 2024	Definitions
Natural Gas Distribution								
1	METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS							All methane leak sources per 98.232 (i) (1-6) are included for Distribution. Combustion sources are excluded. CO₂ is excluded.
1.1	Number of Gas Distribution Customers	44,584	48,055	48,647	49,401	49,886	50,625	
1.2	Distribution Mains in Service							These metrics should include all local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98, Subpart W reporting rule.
1.2.1	Plastic (miles)	782.70	900.36	923.40	945.20	969.40	1,022.00	
1.2.2	Cathodically Protected Steel - Bare & Coated (miles)	795.08	789.78	789.02	788.40	787.90	784.00	
1.2.3	Unprotected Steel - Bare & Coated (miles)	-	-	-	-	-	-	
1.2.4	Cast Iron / Wrought Iron - without upgrades (miles)	-	-	-	-	-	-	
1.3	Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete)							These metrics should provide the number of years remaining to take out of service, replace or upgrade cathodically unprotected steel mains, and cast iron/wrought iron mains, consistent with applicable state utility commission authorizations.
1.3.1	Unprotected Steel (Bare & Coated) (# years to complete)	-	-	-	-	-	-	Optional: # yrs by pipe type.
1.3.2	Cast Iron / Wrought Iron (# years to complete)	-	-	-	-	-	-	Optional: # yrs by pipe type.
2	Distribution CO₂e Fugitive Emissions							
2.1	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	6,796	7,146	7,192	7,211	7,329	8,475	Fugitive methane emissions (not CO ₂ combustion emissions) stated as CO ₂ e, as reported to EPA under 40 CFR 98, Subpart W, sections 98.236(q)(3)(ix)(D), 98.236(r)(1)(v), and 98.236(r)(2)(v)(B) - i.e., this is Subpart W methane emissions as input in row 2.2 below and converted to CO ₂ e here. This metric should include fugitive methane emissions above the reporting threshold for all natural gas local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98, Subpart W reporting rule. Calculated value based on mt CH ₄ input in the 2.2 (below).
2.1.A	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations/Customer (metric tons/customers)	0.1524	0.1487	0.1478	0.1460	0.1469	0.1674	
2.1.B	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations/Line Mile (metric tons/line mile)	4.3075	4.2281	4.1996	4.1598	4.1704	4.6926	
2.2	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	271.85	285.84	287.31	288.11	292.80	302.40	
2.2.A	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations/Customer (metric tons/customers)	0.0061	0.0059	0.0059	0.0058	0.0059	0.0060	
2.2.B	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations/Line Mile (metric tons/line mile)	0.1723	0.1691	0.1678	0.1662	0.1666	0.1674	
2.2.1	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	14.16	14.89	14.96	15.01	15.25	15.75	INPUT VALUE (total mt CH ₄) as explained in definition above. Subpart W input is CH ₄ (mt).
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	28,891,086	33,811,445	36,046,928	34,325,300	38,618,277	38,274,607	This metric provides gas throughput from distribution (quantity of natural gas delivered to end users) reported under Subpart W, 40 C.F.R. 98.236(aa)(9)(iv), as reported on the Subpart W e-GRRT integrated reporting form in the "Facility Overview" worksheet Excel form, Quantity of natural gas delivered to end users (column 4).
2.3.1	Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet (MMscf/year)	27,447	32,121	34,245	32,609	36,687	36,361	
2.4	Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0%	0%	0%	0%	0%	0%	Calculated annual metric: (MMSFC methane emissions/MMSFC methane throughput)



Gas Company ESG/Sustainability Quantitative Information

Parent Company:
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Business Type(s):

NorthWestern Energy Public Service Corporation
NorthWestern Energy - South Dakota
>15% Vertically Integrated and remaining T&D only

NorthWestern Energy - South Dakota only

State(s) of Operation:
Regulatory Environment:
Report Date:

South Dakota
Regulated
9/3/25

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline 2012	Calendar Year 2020	Calendar Year 2021	Calendar Year 2022	Calendar Year 2023	Calendar Year 2024	Definitions
Natural Gas Transmission and Storage								
0.1	Transmission Line Miles	0	0	0	0	0	0	All methane leak sources per 98.232 (e) (1-8), (f)(1-8), and (m) are included for Transmission and Storage. Combustion sources are excluded. CO₂ and N₂O are excluded.
1	Onshore Natural Gas Transmission Compression Methane Emissions							Fugitive Methane emissions as defined in 40 CFR 98 Sub W Section 232 (e) (1-8), CO ₂ and N ₂ O emissions are excluded from this section.
1.1.1	Pneumatic Device Venting (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)
1.1.2	Blowdown Vent Stacks (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(i)(1)(iii)
1.1.3	Transmission Storage Tanks (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(k)(2)(v)
1.1.4	Flare Stack Emissions (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(n)(11)
1.1.5	Centrifugal Compressor Venting (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(o)(2)(ii)(D)(2)
1.1.6	Reciprocating Compressor Venting (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(p)(2)(ii)(D)(2)
1.1.7	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
1.1.7.B	Equipment Leaks per Transmission Line Mile (metric tons / transmission line miles)	0.0	0.0	0.0	0.0	0.0	0.0	
1.1.8	Other Leaks (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
1.1.8.B	Other leaks per Transmission Line Mile (metric tons / transmission line miles)	0.0	0.0	0.0	0.0	0.0	0.0	
1.1.9.B	Total Leaks per Transmission Line Mile (metric tons / transmission line miles)	0.0	0.0	0.0	0.0	0.0	0.0	
1.2	Total Transmission Compression Methane Emissions (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	
1.2.B	Total Transmission Compression Methane Emissions per Transmission Line Mile (metric tons / trans. line miles)	0.0	0.0	0.0	0.0	0.0	0.0	
1.3	Total Transmission Compression Methane Emissions (CO ₂ e/year)	0.0	0.0	0.0	0.0	0.0	0.0	
1.4	Total Transmission Compression Methane Emissions (MSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	Density of Methane = 0.0192 kg/ft ³ per 40 CFR Sub W EQ. W-36
2	Underground Natural Gas Storage Methane Emissions							Fugitive Methane emissions as defined in 40 CFR 98 Sub W Section 232 (f) (1-8), CO ₂ and N ₂ O emissions are excluded from this section.
2.1.1	Pneumatic Device Venting (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)
2.1.2	Flare Stack Emissions (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(n)(11)
2.1.3	Centrifugal Compressor Venting (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(o)(2)(ii)(D)(2)
2.1.4	Reciprocating Compressor Venting (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(p)(2)(ii)(D)(2)
2.1.5	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.6	Other Equipment Leaks (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.7	Equipment leaks from valves, connectors, open-ended lines, and pressure relief valves associated with storage wellheads (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.8	Other equipment leaks from components associated with storage wellheads (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 232(q)(2)(v)
2.2	Total Storage Compression Methane Emissions (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	
2.3	Total Storage Compression Methane Emissions (CO ₂ e/year)	0.0	0.0	0.0	0.0	0.0	0.0	
2.4	Total Storage Compression Methane Emissions (MSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	Density of Methane = 0.0192 kg/ft ³ per 40 CFR Sub W EQ. W-36



Gas Company ESG/Sustainability Quantitative Information

Parent Company:
 Operating Company(s):
 Business Type(s):
 State(s) of Operation:
 Regulatory Environment:
 Report Date:

NorthWestern Energy Public Service Corporation
 NorthWestern Energy - South Dakota
 >15% Vertically Integrated and remaining T&D only
 South Dakota
 Regulated
 9/3/25

NorthWestern Energy - South Dakota only

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline 2012	Calendar Year 2020	Calendar Year 2021	Calendar Year 2022	Calendar Year 2023	Calendar Year 2024	Definitions
3	Onshore Natural Gas Transmission Pipeline Blowdowns							Blowdown vent stacks for onshore transmission pipeline as defined in 40 CFR 98 Sub W Section 232 (m), CO2 and N2O emissions are excluded from this section. Value reported using calculation in 40 CFR 98 Sub W Section 232(i)(3)(ii)
3.1	Transmission Pipeline Blowdown Vent Stacks (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	
3.2	Transmission Pipeline Blowdown Vent Stacks (CO2e/year)	0.0	0.0	0.0	0.0	0.0	0.0	
3.3	Transmission Pipeline Blowdown Vent Stacks (MSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	
4	Other Non-Sub W Emissions Data (OPTIONAL)							(OPTIONAL) If desired, report additional sources required by ONE Future include dehydrator vents, storage station venting transmission pipeline leaks, and storage tank methane.
4.1	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	
4.2	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (CO2e/year)	0.0	0.0	0.0	0.0	0.0	0.0	
4.3	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (MSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	
5	Summary and Metrics							
5.1	Total Transmission and Storage Methane Emissions (MMSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	
5.2	Annual Natural Gas Throughput from Gas Transmission and Storage Operations (MSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	EIA 176 throughput or other reference for other throughput selected
5.2.1	Annual Methane Gas Throughput from Gas Transmission and Storage Operations (MMSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	Methane content in natural gas equals 95% based on 40 CFR 98 Sub W 233(u)(2)(vii)
5.3	Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	Missing Data	Missing Data	Missing Data	Missing Data	Missing Data	Missing Data	
Natural Gas Gathering and Boosting								
1	METHANE EMISSIONS							
1.1	Gathering and Boosting Pipelines, Blow Down Volumes, and Emissions							
1.1.1	Total Miles of Gathering Pipeline Operated by gas utility (miles)							
1.1.2	Volume of Gathering Pipeline Blow Down Emissions (scf)							This metric is collected to support calculations under EPA 40 CFR 98, Subpart W.
1.1.4	Gathering Pipeline Blow-Down Emissions outside storage and compression							
2	CO2e COMBUSTION EMISSIONS FOR GATHERING & BOOSTING COMPRESSION							
2.1	CO2e Emissions for Gathering & Boosting Compression Stations (metric tons)							CO2 combustion emissions as reported to EPA under 40 CFR 98, Subpart C, as directed in Subpart W, 98.232(k).
3	CONVENTIONAL COMBUSTION EMISSIONS FROM GATHERING & BOOSTING COMPRESSION							
3.1	Emissions reported for all permitted sources (minor or major)							The number of permitted sources for conventional emissions may not be the same number of sources reporting under the EPA GHG reporting rule. Companies may wish to describe which, or how many, sources are included in the conventional pollutants data and whether the CO2e data reported includes all of these sources.
3.1.1	NOx (metric tons per year)							
3.1.2	VOC (metric tons per year)							



Gas Company ESG/Sustainability Quantitative Information

Parent Company:
Operating Company(s):
Business Type(s):

NorthWestern Energy Public Service Corporation
NorthWestern Energy - Nebraska
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NorthWestern Energy - Nebraska only

State(s) of Operation:
Regulatory Environment:
Report Date:

Nebraska
Regulated
9/3/25

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline 2012	Calendar Year 2020	Calendar Year 2021	Calendar Year 2022	Calendar Year 2023	Calendar Year 2024	Definitions
Natural Gas Distribution								
1	METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS							
1.1	Number of Gas Distribution Customers	41,674	42,776	42,902	43,113	43,147	43,340	<p>All methane leak sources per 98.232 (j) (1-6) are included for Distribution. Combustion sources are excluded. CO₂ is excluded.</p> <p>These metrics should include all local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98, Subpart W reporting rule.</p>
1.2	Distribution Mains in Service						41,329	
1.2.1	Plastic (miles)	359.70	399.84	404.42	405.20	411.10	416	
1.2.2	Cathodically Protected Steel - Bare & Coated (miles)	413.10	410.23	414.33	416.10	414.90	413	
1.2.3	Unprotected Steel - Bare & Coated (miles)	-	-	-	-	-	-	<p>These metrics should provide the number of years remaining to take out of service, replace or upgrade cathodically unprotected steel mains, and cast iron/wrought iron mains, consistent with applicable state utility commission authorizations.</p> <p>Optional: # yrs by pipe type.</p>
1.2.4	Cast Iron / Wrought Iron - without upgrades (miles)	-	-	-	-	-	-	
1.3	Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete)						-	
1.3.1	Unprotected Steel (Bare & Coated) (# years to complete)	-	-	-	-	-	-	
1.3.2	Cast Iron / Wrought Iron (# years to complete)	-	-	-	-	-	-	Optional: # yrs by pipe type.
2	Distribution CO₂e Fugitive Emissions							
2.1	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	3,807	4,066	4,050	3,827	3,835	4,308	<p><u>Fugitive methane</u> emissions (not CO₂ combustion emissions) stated as CO₂e, as reported to EPA under 40 CFR 98, Subpart W, sections 98.236(q)(3)(ix)(D), 98.236(r)(1)(v), and 98.236(r)(2)(v)(B) - i.e., this is Subpart W methane emissions as input in row 2.2 below and converted to CO₂e here. This metric should include fugitive methane emissions above the reporting threshold for all natural gas local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98, Subpart W reporting rule. Calculated value based on mt CH₄ input in the 2.2 (below).</p>
2.1.A	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations/Customer (metric tons/customers)	0.0914	0.0950	0.0944	0.0888	0.0889	0.0994	
2.1.B	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations/Line Mile (metric tons/line mile)	4.93	5.02	4.95	4.66	4.64	5.19	
2.2	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	152.28	162.62	161.81	152.89	153.20	153.70	
2.2.A	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations/Customer (metric tons/customers)	0.0037	0.0038	0.0038	0.0035	0.0036	0.0035	<p><u>INPUT VALUE (total mt CH₄) as explained in definition above. Subpart W input is CH₄ (mt).</u></p>
2.2.B	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations/Line Mile (metric tons/line mile)	0.1970	0.2007	0.1976	0.1862	0.1855	0.1853	
2.2.1	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	7.93	8.47	8.43	7.96	7.98	8.01	
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	6,498,900	8,175,693	7,924,026	6,407,153	8,252,694	7,746,861	<p>This metric provides gas throughput from distribution (quantity of natural gas delivered to end users) reported under Subpart W, 40 C.F.R. 98.236(aa)(9)(iv), as reported on the Subpart W e-GRRT integrated reporting form in the "Facility Overview" worksheet. Excel form, Quantity of natural gas delivered to end users (column 4).</p>
2.3.1	Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet (MMscf/year)	6,174	7,767	7,528	6,087	7,840	7,360	
2.4	Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0%	0%	0%	0%	0%	0%	Calculated annual metric: (MMSFC methane emissions/MMSCF methane throughput)



Gas Company ESG/Sustainability Quantitative Information

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State(s) of Operation:
Regulatory Environment:
Report Date:

Nebraska
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9/3/25

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline 2012	Calendar Year 2020	Calendar Year 2021	Calendar Year 2022	Calendar Year 2023	Calendar Year 2024	Definitions
Natural Gas Transmission and Storage								
0.1	Transmission Line Miles	0	0	0	0	0	0	
1	Onshore Natural Gas Transmission Compression Methane Emissions							All methane leak sources per 98.232 (e) (1-8), (f)(1-8), and (m) are included for Transmission and Storage. Combustion sources are excluded. CO₂ and N₂O are excluded.
1.1.1	Pneumatic Device Venting (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Fugitive Methane emissions as defined in 40 CFR 98 Sub W Section 232 (e) (1-8), CO ₂ and N ₂ O emissions are excluded from this section.
1.1.2	Blowdown Vent Stacks (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)
1.1.3	Transmission Storage Tanks (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(i)(1)(iii)
1.1.4	Flare Stack Emissions (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(k)(2)(v)
1.1.5	Centrifugal Compressor Venting (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(n)(11)
1.1.6	Reciprocating Compressor Venting (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(o)(2)(ii)(D)(2)
1.1.7	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(p)(2)(ii)(D)(2)
1.1.7.B	Equipment Leaks per Transmission Line Mile (metric tons / transmission line miles)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
1.1.8	Other Leaks (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(r)(2)(v)
1.1.8.B	Other leaks per Transmission Line Mile (metric tons / transmission line miles)	0.0	0.0	0.0	0.0	0.0	0.0	
1.1.9.B	Total Leaks per Transmission Line Mile (metric tons / transmission line miles)	0.0	0.0	0.0	0.0	0.0	0.0	
1.2	Total Transmission Compression Methane Emissions (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	
1.2.B	Total Transmission Compression Methane Emissions per Transmission Line Mile (metric tons / trans. line miles)	0.0	0.0	0.0	0.0	0.0	0.0	
1.3	Total Transmission Compression Methane Emissions (CO ₂ e/year)	0.0	0.0	0.0	0.0	0.0	0.0	
1.4	Total Transmission Compression Methane Emissions (MSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	Density of Methane = 0.0192 kg/ft ³ per 40 CFR Sub W EQ. W-36
2	Underground Natural Gas Storage Methane Emissions							Fugitive Methane emissions as defined in 40 CFR 98 Sub W Section 232 (f) (1-8), CO ₂ and N ₂ O emissions are excluded from this section.
2.1.1	Pneumatic Device Venting (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)
2.1.2	Flare Stack Emissions (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(n)(11)
2.1.3	Centrifugal Compressor Venting (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(o)(2)(ii)(D)(2)
2.1.4	Reciprocating Compressor Venting (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(p)(2)(ii)(D)(2)
2.1.5	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.6	Other Equipment Leaks (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(r)(2)(v)
2.1.7	Equipment leaks from valves, connectors, open-ended lines, and pressure relief valves associated with storage wellheads (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.8	Other equipment leaks from components associated with storage wellheads	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 232(q)(2)(v)
2.2	Total Storage Compression Methane Emissions (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	
2.3	Total Storage Compression Methane Emissions (CO ₂ e/year)	0.0	0.0	0.0	0.0	0.0	0.0	
2.4	Total Storage Compression Methane Emissions (MSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	Density of Methane = 0.0192 kg/ft ³ per 40 CFR Sub W EQ. W-36
3	Onshore Natural Gas Transmission Pipeline Blowdowns							Blowdown vent stacks for onshore transmission pipeline as defined in 40 CFR 98 Sub W Section 232 (m), CO ₂ and N ₂ O emissions are excluded from this section.
3.1	Transmission Pipeline Blowdown Vent Stacks (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	Value reported using calculation in 40 CFR 98 Sub W Section 232(i)(3)(ii)
3.2	Transmission Pipeline Blowdown Vent Stacks (CO ₂ e/year)	0.0	0.0	0.0	0.0	0.0	0.0	
3.3	Transmission Pipeline Blowdown Vent Stacks (MSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	



Gas Company ESG/Sustainability Quantitative Information

Parent Company: NorthWestern Energy Public Service Corporation
Operating Company(s): NorthWestern Energy - Nebraska
Business Type(s): >15% Vertically Integrated and remaining T&D only
State(s) of Operation: Nebraska
Regulatory Environment: Regulated
Report Date: 9/3/25

NorthWestern Energy - Nebraska only

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline 2012	Calendar Year 2020	Calendar Year 2021	Calendar Year 2022	Calendar Year 2023	Calendar Year 2024	Definitions
4	Other Non-Sub W Emissions Data (OPTIONAL)							
4.1	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (metric tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	(OPTIONAL) If desired, report additional sources required by ONE Future include dehydrator vents, storage station venting transmission pipeline leaks, and storage tank methane.
4.2	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (CO2e/year)	0.0	0.0	0.0	0.0	0.0	0.0	
4.3	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (MSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	
5	Summary and Metrics							
5.1	Total Transmission and Storage Methane Emissions (MMSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	EIA 176 throughput or other reference for other throughput selected Methane content in natural gas equals 95% based on 40 CFR 98 Sub W 233(u)(2)(vii)
5.2	Annual Natural Gas Throughput from Gas Transmission and Storage	0.0	0.0	0.0	0.0	0.0	0.0	
5.2.1	Annual Methane Gas Throughput from Gas Transmission and Storage Operations (MMSCF/year)	0.0	0.0	0.0	0.0	0.0	0.0	
5.3	Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	Missing Data	Missing Data	Missing Data	Missing Data	Missing Data	0%	

Natural Gas Gathering and Boosting								
1	METHANE EMISSIONS							
1.1	Gathering and Boosting Pipelines, Blow Down Volumes, and Emissions							
1.1.1	Total Miles of Gathering Pipeline Operated by gas utility (miles)							
1.1.2	Volume of Gathering Pipeline Blow Down Emissions (scf)							This metric is collected to support calculations under EPA 40 CFR 98, Subpart W.
1.1.4	Gathering Pipeline Blow-Down Emissions outside storage and compression							
2	CO2e COMBUSTION EMISSIONS FOR GATHERING & BOOSTING COMPRESSION							
2.1	CO2e Emissions for Gathering & Boosting Compression Stations (metric tons)							CO2 combustion emissions reported to EPA under 40 CFR 98, Subpart C, as directed in Subpart W, 98.232(k).
3	CONVENTIONAL COMBUSTION EMISSIONS FROM GATHERING & BOOSTING COMPRESSION							
3.1	Emissions reported for all permitted sources (minor or major)							The number of permitted sources for conventional emissions may not be the same number of sources reporting under the EPA GHG reporting rule. Companies may wish to describe which, or how many, sources are included in the conventional pollutants data and whether the CO2e data reported includes all of these sources.
3.1.1	NOx (metric tons per year)							
3.1.2	VOC (metric tons per year)							