

Gas Company ESG/Sustainability Quantitative Information



Parent Company:

Berkshire Hathaway Energy Company

Operating Company(s):

Sierra Pacific Power Company

Report Date:

As of and for the year ended December 31, 2021

Disclaimer:

Data included herein is based on information available as of April 25, 2022, and is subject to change without notice should new or additional information be obtained.

	Last Year	Current Year		
Refer to the "Definitions" column for more information on each metric.	2020	2021	% Change	Definitions

Natural Gas Distribution

				<u>All methane leak sources per 98.232 (j) (1-6) are included for Distribution. Combustion sources are excluded. CO2 is excluded.</u>
METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS				
Number of Gas Distribution Customers	175,556	178,646	1.8 %	
Distribution Mains in Service	1,880	1,928	2.6 %	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.
Plastic (miles)	1,189	1,204	1.3 %	
Cathodically Protected Steel - Bare & Coated (miles)	691	724	4.8 %	
Unprotected Steel - Bare & Coated (miles)	-	-	-	
Cast Iron / Wrought Iron - without upgrades (miles)	-	-	-	
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.
Unprotected Steel (Bare & Coated) (# years to complete)	-	-	-	Optional: # yrs by pipe type.
Cast Iron / Wrought Iron (# years to complete)	-	-	-	Optional: # yrs by pipe type.
Distribution CO2e Fugitive Emissions ⁽¹⁾				
CO2e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	NA	NA	-	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. 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).
CH4 Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	NA	NA	-	INPUT VALUE (total mt CH4) as explained in definition above. Subpart W input is CH4 (mt).
CH4 Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	NA	NA	-	
Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	NA	NA	-	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).
Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet (MMscf/year)	NA	NA	-	
Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	NA	NA	-	Calculated annual metric: (MMSFC methane emissions/MMSCF methane throughput)

Comments

(1) The emissions from the Sierra Pacific Power Company Gas Distribution system are not applicable as they are below the reporting threshold for the USEPA GHG Subpart W.