



BLACK HILLS CORPORATION

NATURAL GAS SUSTAINABILITY INITIATIVE (NGSI)

METHANE INTENSITY DISCLOSURE

Reporting Year: 2023*

Natural Gas Distribution Segment - Publicly Reported Data

NGSI participants are encouraged to publicly report the following data each year. NGSI requests data at a company level. However, companies may also choose to disclose facility-level methane emissions and intensity.

Disclosure Element	Reported Data	Description
Total Methane Emissions, GHGRP emission factors for mains and services (MT)	13,354.01	Total distribution segment methane emissions from GHGRP and non GHGRP facilities, calculated using GHGRP emission factors for mains and services
Total Methane Emissions, GHG Inventory emission factors for mains and services (MT)	9,406.98	Total distribution segment methane emissions from GHGRP and non GHGRP facilities, calculated using GHG Inventory emission factors for mains and services
Natural Gas Delivered to End Users, As Reported (Mscf)	232,636,648.00	Total volume of natural gas delivered to end users from GHGRP facilities and non GHGRP facilities, as reported
Natural Gas Delivered to End Users, Normalized (Mscf)	194,098,051.03	Total volume of natural gas delivered to end users from GHGRP facilities and non GHGRP facilities, normalized
Methane Content of Delivered Natural Gas, Reported (%)	93.4%	Methane content of delivered natural gas, as reported (weighted average methane content of all throughput).
Methane Content of Delivered Natural Gas, Normalized (%)	93.4%	Methane content of delivered natural gas, normalized (weighted average methane content of all throughput)
NGSI Methane Emissions Intensity, GHGRP emission factors for mains and services (%)	0.3201%	Methane emissions intensity associated with natural gas distribution using reported throughput and GHGRP emission factors for mains and services (methane emissions associated with natural gas distribution divided by total methane throughput)
Normalized NGSI Methane Emissions Intensity, GHGRP emission factors for mains and services (%)	0.3837%	Methane emissions intensity associated with natural gas distribution using normalized throughput and GHGRP emission factors for mains and services (methane emissions associated with natural gas distribution divided by total methane throughput)
NGSI Methane Emissions Intensity, GHG Inventory emission factors for mains and services (%)	0.2255%	Methane emissions intensity associated with natural gas distribution using reported throughput and GHG Inventory emission factors for mains and services (methane emissions associated with natural gas distribution divided by total methane throughput)
Normalized NGSI Methane Emissions Intensity, GHG Inventory emission factors for mains and services (%)	0.2703%	Methane emissions intensity associated with natural gas distribution using normalized throughput and GHG Inventory emission factors for mains and services (methane emissions associated with natural gas distribution divided by total methane throughput)

Natural Gas Gathering and Boosting Segment - Publicly Reported Data

NGSI participants are encouraged to publicly report the following data each year. NGSI requests data at a company level. However, companies may also choose to disclose facility-level methane emissions and intensity

Disclosure Element	Reported Data	Description
Total Methane Emissions (MT)	498.09	Total gathering and boosting segment methane emissions from GHGRP and non GHGRP facilities
Natural Gas Transported (Mscf)	5,927,151.00	Total volume of gas transported by GHGRP and non GHGRP facilities
Energy Content of Natural Gas Transported (MMBtu/Mscf)	1.235	Raw gas higher heating value (weighted average energy content of all natural gas transported)
Methane Content of Natural Gas Transported (%)	83.3%	Methane content of natural gas transported (weighted average methane content of all natural gas transported)
Hydrocarbon Liquids Transported (bbl)	0.00	Total volume of hydrocarbon liquids transported by GHGRP and non GHGRP facilities
Energy Content of Hydrocarbon Liquids Transported (MMBtu/bbl)	No Liquids	Heating value of all hydrocarbon liquids transported (weighted average energy content of all hydrocarbon liquids transported)
Gas Ratio (%)	100.00%	Share of natural gas transported on an energy equivalent basis (energy content of natural gas throughput divided by sum of energy content of natural gas and hydrocarbon liquid throughput). Note: this reflects the company-level gas ratio; to calculate company-level NGSI methane emissions intensity, emissions must be allocated using the facility-level gas ratios
NGSI Methane Emissions Intensity (%)	0.5254%	Methane emissions intensity associated with natural gas gathering & boosting (methane emissions allocated to natural gas divided by total methane throughput)

*Due to the timing of the 2023 NGSI disclosure template release, this disclosure utilizes the 2021 disclosure template and methodologies.