

# Environmental and Social Performance Indicators for Natural Gas Production

The Natural Gas Supply Collaborative (NGSC) is a voluntary collaborative of natural gas purchasers that are promoting safe and responsible practices for natural gas supply. Collectively, NGSC participants deliver enough natural gas to meet the needs of more than 36 million U.S. households, and, as part of a portfolio of resources, generate enough electricity from natural gas to power almost 17 million U.S. households.

NGSC participants have identified 14 key environmental and social performance indicators for natural gas production. The non-financial performance indicators respond to stakeholder questions and highlight leading practices producers use to protect the environment and local communities.

NGSC participants are committed to engaging natural gas producers and other stakeholders to support more robust voluntary reporting. Broader information sharing supports a virtuous cycle where companies highlight their approaches to managing natural gas development, companies and stakeholders benefit from having more information on leading practices, and stakeholders and the public gain greater insights into how companies are protecting the environment and local communities.

The performance indicators identified by NGSC are summarized in the table below and discussed in detail in [Environmental and Social Performance Indicators for Natural Gas Production](#) (published in October 2017). To learn more, please visit: [www.mjbradley.com/NGSC](http://www.mjbradley.com/NGSC)

## Natural Gas Supply Collaborative Participants

Austin Energy

Calpine Corporation

Consolidated Edison Company of New York

Los Angeles Department of Water and Power

National Grid

NRG Energy

NW Natural

Pacific Gas and Electric Company

Xcel Energy

Companies and stakeholders interested in learning more about the collaborative, please contact Robert LaCount at [rlacount@mjbradley.com](mailto:rlacount@mjbradley.com)

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Topic Area		Performance Indicators	
		Quantitative	Management Strategy
01	<b>Methane and Air Emissions</b>	What are the total methane emissions of your operations, and what is the methane emissions intensity of your operations?	What is your strategy for limiting methane emissions?
02	<b>Water</b>	<p>What are the sources of water for completions (hydraulic fracturing) at your operations by volume and percentage of total volume? For freshwater, what is the intensity of use?</p> <p>Do you conduct pre- and post-drill groundwater testing? What is the frequency and location?</p> <p>What were the number and volume of hydrocarbon and non-hydrocarbon spills to soil and water from your operations?</p>	<p>What is your strategy for managing freshwater use?</p> <p>What is your approach to well planning and strategy for maintaining well integrity?</p> <p>What is your strategy for managing water onsite and wastewater?</p>
03	<b>Chemical Use</b>	How do you measure progress on stewardship activities for hydraulic fracturing chemicals? Provide quantitative data.	What is your strategy for managing chemicals?
04	<b>Community and Safety</b>	<p>How do you measure progress on improving engagement with the communities that you operate in? Provide quantitative data.</p> <p>What were your recordable injury rate, fatality rate, and near miss frequency rate for employees and contractors?</p>	<p>What is your strategy for protecting and engaging with communities?</p> <p>What is your strategy for ensuring contractor health, safety, and environmental performance?</p>