

Are natural gas storage facilities state regulated?

If a storage facility serves interstate commerce, it is subject to the jurisdiction of the Federal Energy Regulatory Commission (FERC); otherwise, it is state-regulated. Owners/operators of storage facilities are not necessarily the owners of the natural gas held in storage.

How does natural gas storage work?

Natural gas storage during periods of low demand helps to ensure that enough natural gas is available during periods of high demand. Natural gas is stored in large volumes in underground facilities and in smaller volumes in tanks above or below ground. The United States uses three main types of underground natural gas storage facilities:

Why is underground storage of natural gas important?

The underground storage of natural gas has historically been critical in assuring that overall demands and use of specific requirements of natural gas customers are met.

Where is natural gas stored?

Natural gas is also stored in liquid or gaseous form in above-ground tanks. Each storage type has its own physical characteristics (porosity, permeability, retention capability) and economics (site preparation and maintenance costs, deliverability rates, and cycling capability), which govern its suitability for particular applications.

What is total natural gas storage capacity?

These measures are as follows: Total natural gas storage capacity is the maximum volume of natural gas that can be stored in an underground storage facility in accordance with its design, which comprises the physical characteristics of the reservoir, installed equipment, and operating procedures particular to the site.

What data does EIA collect about underground natural gas storage?

These data identify and provide detailed information on underground natural gas storage in the United States as of December 2022. The attribute data for this point dataset come from EIA's U.S. field level storage data, which is sourced from U.S. Energy Information Administration, Form EIA-191, Monthly Underground Gas Storage Report.

the demand for high deliverability storage that can provide flexible natural gas supplies in a short period of time. Key observations and conclusions of the analysis are summarized below. The ...

In our latest Short-Term Energy Outlook, we forecast that U.S. working natural gas inventories will be 3,954 billion cubic feet (Bcf) by the end of October, the most natural gas ...

1 Introduction 1.1 Background 1.1.1 The efficient import, storage, and transmission of gas and oil products remain crucial to meeting our energy needs during the transition to a net zero economy .

Natural gas-a colorless, odorless, gaseous hydrocarbon-may be stored in a number of different ways. It is most commonly held in inventory underground under pressure in three types of facilities. These underground ...

1.1.3 This National Policy Statement (NPS), taken together with the Overarching NPS for Energy (EN-1), provides the primary policy for decisions by the Secretary of State on ...

The Pipeline & Storage segment of National Fuel Gas Company specializes in the underground transport and storage of natural gas. For more than 100 years, we've been successfully ...

be responsible for licensing gas storage and Liquefied Natural Gas (LNG) unloading infrastructure under the Energy Act 2008 where the unloading is to a pipeline or installation is at sea. The ...

After providing Administration-wide support to the state response effort, in early 2016, the Obama Administration convened a new Interagency Task Force on Natural Gas Storage Safety in the ...

The "14th Five-Year Plan" for a modern energy system proposes that, by 2025, annual production of natural gas will reach more than 230 bcm and national storage capacity will reach 55 to 60 bcm. This plan focuses ...

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