U.S. Energy Information Administration

For: IRENA
By: Angelina LaRose, Assistant Administrator Energy Analysis
September 9, 2024

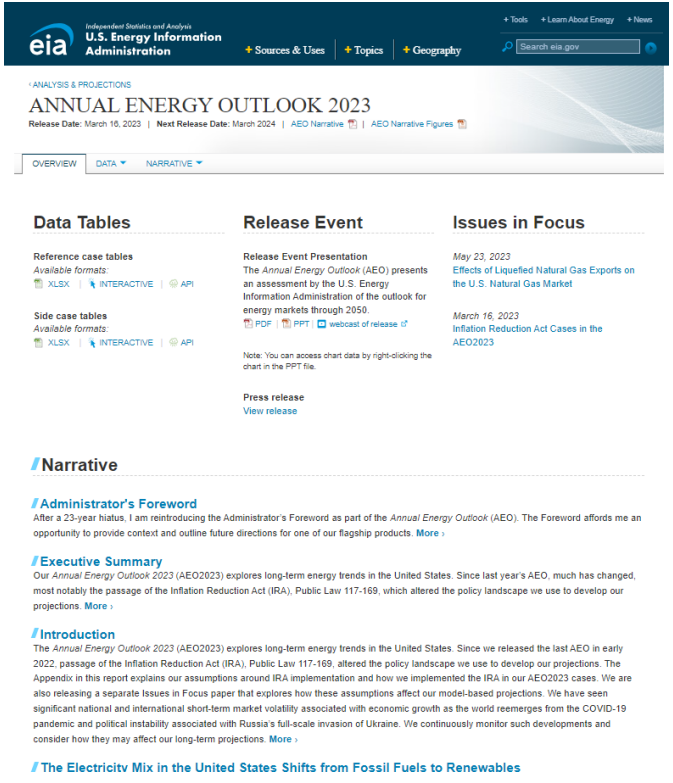
Independent Statistics and Analysis
U.S. Energy Information Administration

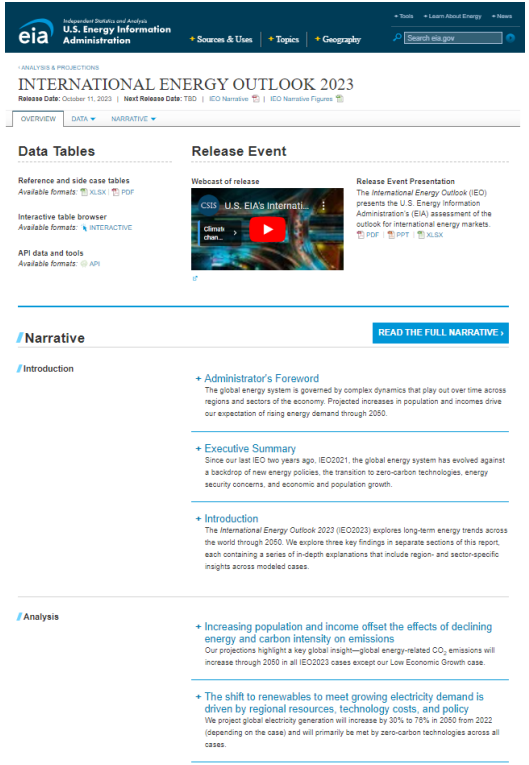
Collects, analyzes, and disseminates independent and impartial energy information to promote sound policymaking, efficient markets, and public understanding of energy and its interaction with the economy and the environment.
EIA is the statistical and analytical agency within the U.S. Department of Energy (DOE)

- One of 13 U.S. federal statistical agencies
- EIA has one political appointee, who is a direct report to the U.S. Secretary of Energy, but
- EIA's data and reports are released at the discretion of the Administrator

EIA's role is unique – by providing an unbiased view of energy markets, EIA increases transparency and promotes public understanding of important energy issues.

EIA has two publications focused on the long-term outlook of energy markets





Both the AEO and IEO includes cases that vary technical and economic assumptions

AEO2023	IEO2023
Reference	Reference
Economic Growth	Economic Growth
Oil Price	Oil Price
Oil and Gas Supply	Zero-Carbon Technology Cost (electric power sector)
Zero-Carbon Technology Cost (electric power sector)	
Combinations of Economic Growth and Zero-Carbon Technology Cost cases	

EIA also produces "Issues in Focus" articles associated with the Outlook that target specific timely issues

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ANNUAL ENERGY OUTLOOK 2023

Release Date: March 16, 2023 | **Next Release Date:** 2025 | AEO Narrative

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Issues in Focus: Inflation Reduction Act Cases in the AEO2023

Release Date: March 16, 2023 | full report | figure data (PPTX)

Executive Summary

The *Annual Energy Outlook 2023* (AEO2023) reflects, to the extent possible, laws and regulations adopted through mid-November 2022, including the Inflation Reduction Act (IRA). Adopted in August 2022, the IRA is a complex piece of legislation that requires us to make assumptions regarding how key provisions will be implemented. Under the IRA, qualifying clean energy projects can receive additional credits on top of a base credit value if they satisfy certain requirements. For instance, clean energy technologies that meet minimal eligibility requirements receive a base-level production tax credit (PTC). Projects meeting labor requirements receive a tax credit five times higher than the base amount. Additional increases to the base tax credit are available for projects that meet domestic content requirements or are located in energy communities, which

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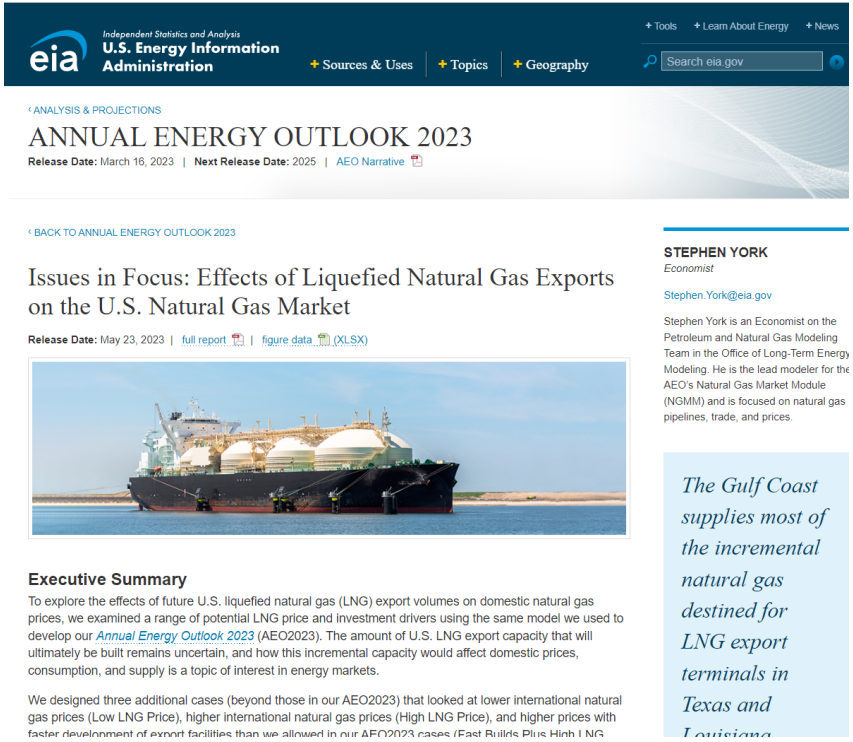
The Inflation Reduction Act (IRA) provisions in the Reference case push wind and solar to 56% of electricity generation by 2050, with a



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Issues in Focus: Effects of Liquefied Natural Gas Exports on the U.S. Natural Gas Market

Release Date: May 23, 2023 | full report | figure data (XLSX)

Executive Summary

To explore the effects of future U.S. liquefied natural gas (LNG) export volumes on domestic natural gas prices, we examined a range of potential LNG price and investment drivers using the same model we used to develop our *Annual Energy Outlook 2023* (AEO2023). The amount of U.S. LNG export capacity that will ultimately be built remains uncertain, and how this incremental capacity would affect domestic prices, consumption, and supply is a topic of interest in energy markets.

We designed three additional cases (beyond those in our AEO2023) that looked at lower international natural gas prices (Low LNG Price), higher international natural gas prices (High LNG Price), and higher prices with faster development of export facilities than we allowed in our AEO2023 cases (East Builds Plus High LNG

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Stephen York is an Economist on the Petroleum and Natural Gas Modeling Team in the Office of Long-Term Energy Modeling. He is the lead modeler for the AEO's Natural Gas Market Module (NGMM) and is focused on natural gas pipelines, trade, and prices.

The Gulf Coast supplies most of the incremental natural gas destined for LNG export terminals in Texas and Louisiana

EIA is occasionally requested to run specific policy scenarios through its models and analytic framework