



Independent Statistics & Analysis

U.S. Energy Information
Administration

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U.S. electricity fuel mix continues to shift

The U.S. Energy Information Administration reported continuing changes to the fuel mix for U.S. electricity generation. Over the past decade, the share of U.S. electricity generation supplied by natural gas-fired power plants increased from 23% of total generation in 2010 to an estimated 37% in 2019. This increase was offset by a reduction in the share of generation from coal-fired power plants from 46% in 2010 to an estimated 24% in 2019. EIA expects the share of coal generation to continue its decline to 21% in 2020, while natural gas's share of generation stabilize between 37% and 38% in 2020 and 2021 as renewable energy sources continue to gain market share.

In its January Short-Term Energy Outlook, EIA estimated that the expected share of generation from renewable sources will increase from 17% in 2019 to 19% this year and to 22% in 2021. The increase in the renewables share is the result of an increase in electricity generation from wind and solar. The share of generation from hydropower is expected to remain the same through 2021.

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