

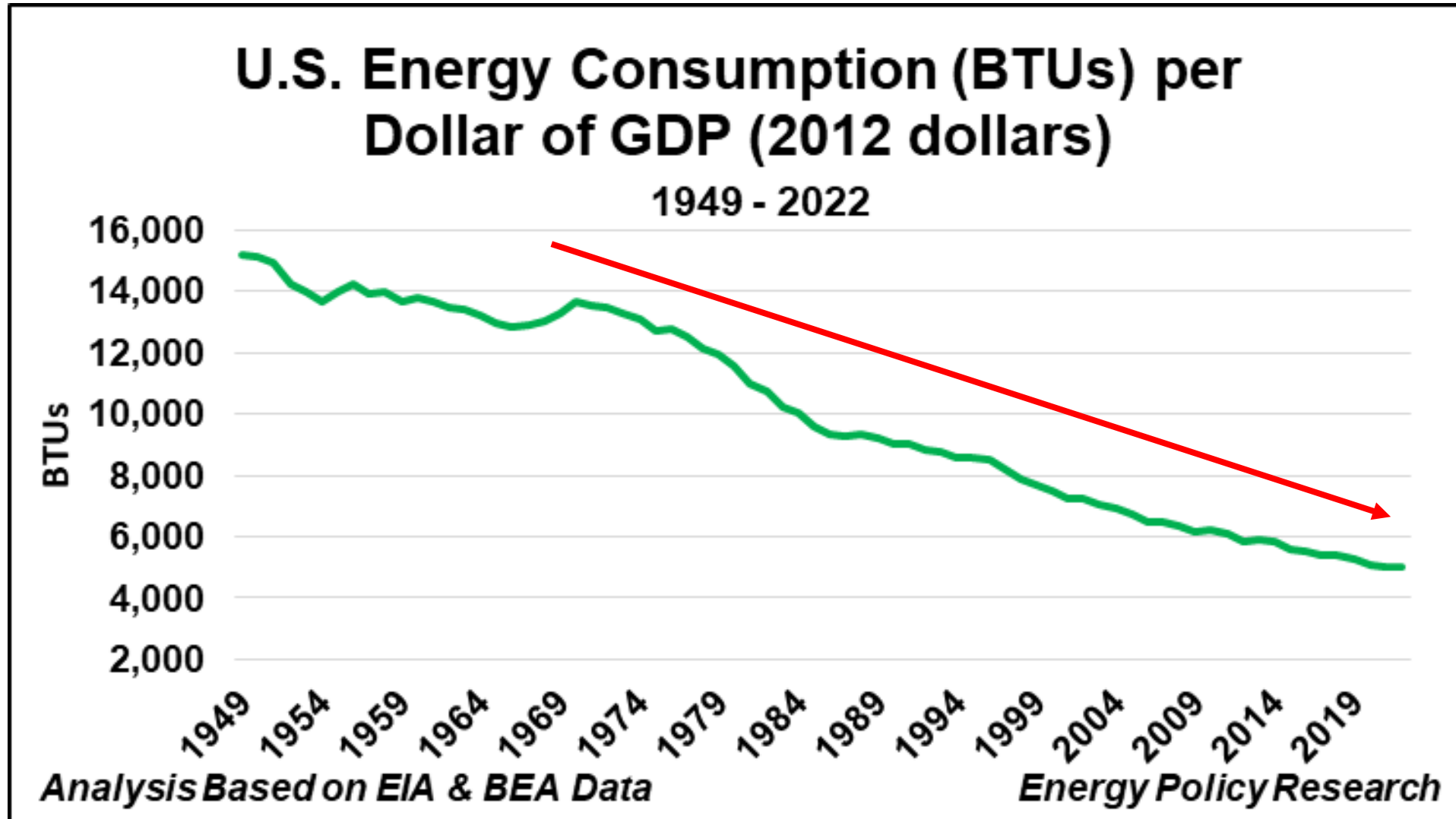
Chart of the Week #2023-30

U.S. Energy Security

As Measured by Efficiency

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U.S. Energy Security as Measured by Efficiency



- Energy security is described in three dimensions: availability, affordability, and acceptability.
- Acceptability is further broken down into efficiency and environmental impact.
- One way of measuring efficiency is to divide the total amount of energy that has been consumed by total inflation-adjusted GDP.
- Using annual primary energy consumption data as compiled by EIA (U.S. Energy Information Administration) and chained the 2012 U.S. GDP time-series compiled by BEA (U.S. Bureau of Economic Analysis), U.S. energy efficiency improved at an annualized rate of 1.5% as U.S. inflation-adjusted GDP has risen 3.1% in the period from 1949 to 2022.
- This slide deck is available at: <https://eprinc.org/chart-of-the-week/>
- For more information on this chart, please contact Max Pyziur (maxp@eprinc.org).