

## A NATIONAL ELECTRIC GRID...headlines.

### From...**CharacterTowns.org.**

A national electric grid has been and continues to be discussed. Incorporating alternative fuels into the electric generation process is a start; distributing this alternatively generated power throughout the nation is an equally big challenge.

### From...**The Economist**

[Technology Quarterly](#) | The ultimate supply chains

## The electric grid is about to be transformed.

**The technological and regulatory requirements will be immense,**

**writes Hal Hodson**

Apr 5th 2023

**LINK:** <https://www.economist.com/technology-quarterly/2023/04/05/the-electric-grid-is-about-to-be-transformed>

The Drax power plant in Yorkshire employs “six monsters of angular momentum.” High pressure steam turns 28 turbine sub-assemblies. Most of Drax’s boilers burn biomass. Even after solving the workings of alternative fuel power sources, “getting the gigawatts to the consumer will remain a very physical process.” The system makes “energy available to anything connected to the generator in an electric circuit. For Drax, that circuit is Britain’s national grid.” Generator frequencies and specs have to be synchronized with all other systems serving the grid. Hence the subtitle to this article...“the technological and regulatory requirements will be immense.” Since the amount of power being withdrawn every moment has to be equal to the amount of new power being produced, management and supervision are critical. A national grid needs a grid-wide manager and specification.

### From...**The New York Times.**

**OPINION**  
**THE EDITORIAL BOARD**

## **We Desperately Need a New Power Grid. Here’s How to Make It Happen.**

**By The Editorial Board, May 4, 2023**

The editorial board is a group of opinion journalists whose views are informed by expertise, research, debate and certain longstanding values. It is separate from the newsroom.

“To tap the potential of renewable energy, the United States needs to dramatically expand the electric grid between places with abundant wind and sunshine and places where people live and work. And it needs to happen fast. The government and the private sector are investing heavily in a historic shift to electric-powered vehicles, heating systems and factories, including hundreds of billions of dollars in federal spending approved last year as part of the Inflation Reduction Act. But without new power lines, much of that electricity will continue to be generated by burning carbon. Unless the United States rapidly accelerates the construction of power lines, researchers at Princeton University estimate that 80 percent of the potential environmental benefits of electrification will be squandered.”

Read the rest of the story at: <https://www.nytimes.com/2023/05/04/opinion/nepa-permitting-reform.html?smid=em-share>

**From...The Wall Street Journal.**

## Electricity Transmission Plan Likely to Get New Look in Washington.

Both parties have incentives to address bottlenecks slowing new power lines  
Electricity demand is expected to continue rising in part because of incentives for electric-vehicle production in the Inflation Reduction Act. CARLOS BARRIA/REUTERS

By [Scott Patterson Follow](#) and [David Harrison Follow](#)  
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