

6 Things COAL

You May **NOT** Know About

1



The **U.S.** has **MORE COAL** than any other country

We have an estimated **477 billion** short tons of coal in the United States. Our coal resources are larger than our remaining oil and natural gas resources.

FIVE STATES produce over

70%

of the nation's coal



2

Wyoming, West Virginia, Kentucky, Illinois and Pennsylvania together produced **639 million** of the nation's **897 million** short tons of coal in 2015. Wyoming alone produced over 40% of our coal. West Virginia was second at about 11%.

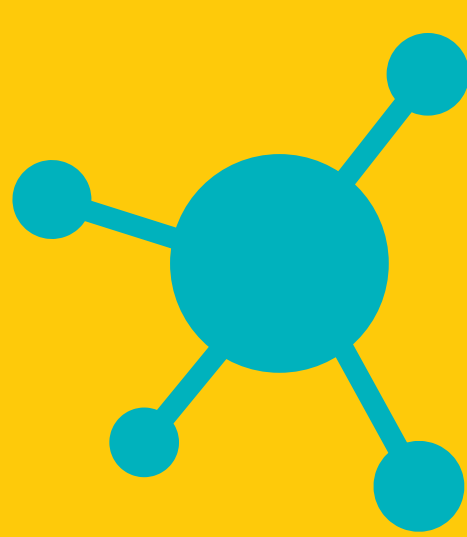
3



30.4% of our **electricity** is **coal-generated**

Fossil fuels make up about **65%** of electricity generation. **Coal** is the second most used energy source to generate electricity after natural gas, which consists of **33.8%** of U.S. electricity generation. With new technologies, CO₂ from coal-fired power plants can be used in enhanced oil recovery and to help make valuable products like plastics and chemicals.

BENEFICIAL BYPRODUCTS of coal-use include **rare earth elements** and **hydrogen**



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These byproducts have valuable uses. **Rare earth elements** are used to make **high-technology products**, including smart phones, lasers, DVDs, and LEDs. The **hydrogen** and other coal gases can be used in automobiles, power-generating fuel cells, fuel power-generating turbines, or as chemical "building blocks" for a **wide range of commercial products**. Additionally, coal is vital for making products like steel.

5



There are a **variety** of ways to **cleanly CONVERT COAL** into electricity

The Department of Energy has a long history of **developing technologies** that make coal use **cleaner**. These processes include coal gasification, advanced coal-energy conversion technologies, and advanced emissions control systems.

CLEAN COAL stimulates the economy and strengthens energy security



6

Using coal cleanly **reduces** our **dependence** on other countries for natural resources, which **boosts** our **national energy security**. Additionally, clean coal can **create new jobs** and **grow economy**, particularly in high coal producing states.

Click **here** for more information on the Office of Fossil Energy's clean coal research.

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