

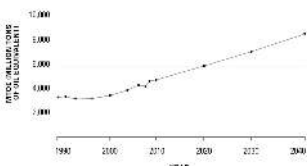
MINERALS MAKE OUR ENERGY FUTURE

AN "ALL OF THE ABOVE" ENERGY PLAN MADE POSSIBLE BY U.S. MINING

GLOBAL ENERGY DEMAND

A growing economy—in the U.S. and around the world—requires a diverse and stable energy supply to power it.

Projected increase in global energy demand by 2040



WHY DO WE NEED ENERGY



Transportation—from personal vehicles and public transportation to aircrafts and ships



Electricity in homes, hospitals and commercial buildings



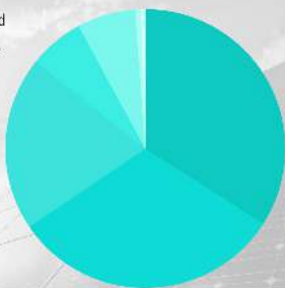
Manufacturing and industrial processes

A PROSPEROUS FUTURE REQUIRES ALL FORMS OF ENERGY

Meeting tomorrow's energy demand will require more energy than ever before and a true "all of the above" energy strategy. That means more investments in conventional and emerging energy technologies.

IN 2015, THE U.S. WAS RELIANT ON THE FOLLOWING ENERGY SOURCES FOR ELECTRICITY

- Coal – 34%
- Natural gas – 31%
- Nuclear – 20%
- Hydro – 6%
- Renewables – 6%
- Petroleum – 1%
- Other – 1%



Energy Information Administration 2015 data are preliminary.

MINERALS MAKE ENERGY

Minerals are essential to the development and production of all energy sources. In fact, the U.S. Department of Energy (DoE) has made critical minerals a national priority given the increase in global energy consumption and minerals' contributions to several energy sources.

Copper Cu	Molybdenum Mo	Nickel Ni
---------------------	-------------------------	---------------------

CONVENTIONAL ENERGY

No power plant can be built or operated without metals such as copper, molybdenum and nickel.

RENEWABLES

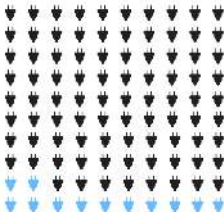
Renewable energy technologies, from wind turbines to solar panels, depend on an array of minerals. For example, a single wind turbine can contain 335 tons of steel, 4.7 tons of copper and three tons of aluminum, as well as zinc, molybdenum and silver.



NUCLEAR

Uranium plays an important role in the development of nuclear energy, as its properties make it naturally radioactive and a source of concentrated energy.

12%
of the world's
electricity is
generated from
uranium.



SECURE OUR ENERGY FUTURE

The U.S. is home to **\$6.2 trillion** worth of mineral resources, but mine permitting delays prevent the U.S. from leveraging the full potential of our mineral resources. If the U.S. wants to be a global innovator and meet government-projected energy demand by 2040, we must work to secure a reliable supply of domestic minerals, which are essential to a strong energy portfolio.

Take action to unlock our mineral reserves and create an energy plan that will meet the demands of tomorrow!

SOURCES

- <http://earthstatesenergyresearch.org/analysis/leas-world-energy-outlook-2014/>
- <http://www.eia.gov/beta/press/277/a-1-4502015>
- <http://www.eia.gov/forecast/forecast/12632015.pdf>
- <http://www.world-nuclear.org/info/inf16.html#nuclear-what-is-uranium-how-does-it-work/>

MINERALS
MAKE
LIFE