UTAH SENATE MAJORITY

ENERGY OBJECTIVES

2024 LEGISLATIVE SESSION

STRIVING TOWARD ENERGY INDEPENDENCE

Utah is making considerable progress toward energy independence and a secure energy future. The Senate Majority is working to build a more robust and sustainable energy sector that will last for generations.

BENEFITS OF ENERGY INDEPENDENCE

1 SUSTAINABILITY

2 RELIABILITY

3 AFFORDABILITY

4 SECURITY

5 ECONOMIC PROSPERITY

6 BETTER AIR QUALITY

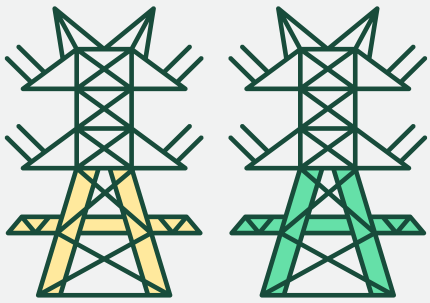
SECURING UTAH'S ENERGY FUTURE

Securing Utah's energy future is about more than keeping the lights on–it's about ensuring we have reliable energy resources for generations that will provide fuel for our vehicles, keep us warm during cold winters and cool during the hot summers and power our cities and businesses.

INVESTING IN ENERGY SOURCES BASED ON A WEIGHTED SYSTEM

For better-informed state energy policy, we need to establish a system for evaluating the costs and benefits of energy production methods based on these principles:

- ☑ **ADEQUATE**
- ☑ **RELIABLE**
- ☑ **DISPATCHABLE**
- ☑ **AFFORDABLE**
- ☑ **SUSTAINABLE**
- ☑ **SECURE**
- ☑ **CLEAN**



Using this system, we can focus on supporting energy resources proven to be the best option for sustaining our low energy costs and quality of life.

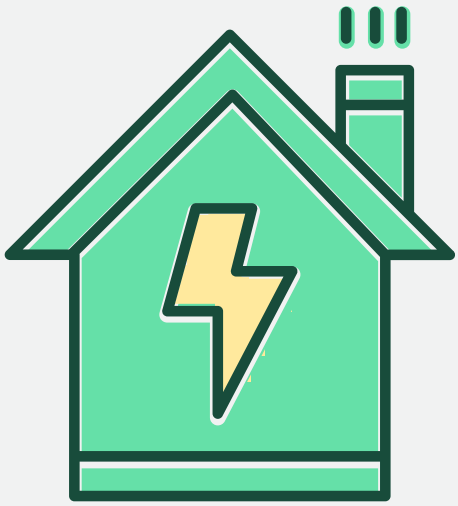
AVOIDING AN ENERGY CRISIS AND MISMANAGEMENT

America, and the world for that matter, is on the cusp of an unprecedented, self-inflicted energy crisis. Utah cannot and will not follow this trend. Our goal is to have clean, reliable and affordable energy, no matter the weather conditions.

Utah boasts the **second lowest electricity in the nation**, and we want to maintain it.

If Utah were to convert to “clean energy” too quickly, our state could see a **30% rise in energy costs** to consumers, which is happening in Wyoming.

California has struggled to get electricity to its residents without **rolling blackouts**. Texas failed to **winterize its grid**, resulting in a historic power crisis in 2021.



Affordable and reliable energy has been a critical component of Utah’s economic success and must continue to be a top priority. We can avoid a power and energy crisis by investing in cleaner, reliable energy sources without forgoing fossil fuels while reducing emissions.

Investing in new processes and refining existing ones is necessary to ensure our grandchildren have clean, breathable air while still being able to afford the energy needed to power our daily lives.

AN "ALL OF THE ABOVE" APPROACH

When it comes to energy, we're applying an "all of the above" approach. We're looking at any and all energy resources to ensure power remains affordable and reliable for generations to come.

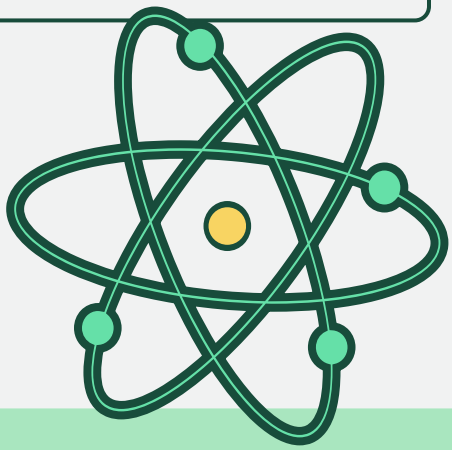
SMALL ADVANCED MODULAR NUCLEAR

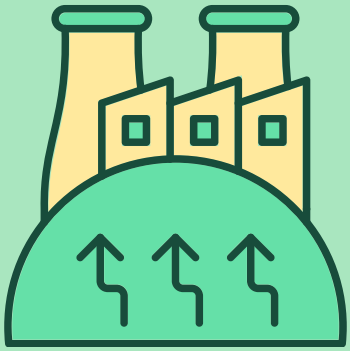
Utah's energy portfolio would benefit from nuclear energy. Small modular nuclear power plants can provide a much-needed boost to our power grid. Moreover, establishing small modular nuclear power plants would create additional job opportunities and help sustain and expand our economy.

Nearly 65% of Utahns favor a nuclear power plant in Utah.

BENEFITS OF SMALL ADVANCED MODULAR NUCLEAR REACTORS

- Safer
- Carbon-free emissions
- Fill gaps in intermittent energy sources like solar and wind
- Able to ramp up and shut down quickly
- Less vulnerable to natural disasters
- Zero air pollutants





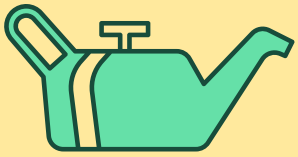
GEOTHERMAL

Geothermal energy is proving to be a reliable and constant renewable energy source, and Utah's geothermal potential for electricity production is one of the best in the nation. Geothermal energy could significantly contribute to building a more sustainable future.

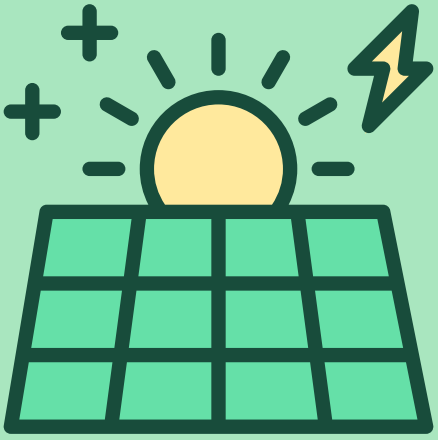
A single kilowatt of geothermal energy is capable of powering 750-1,000 homes.

NATURAL GAS AND OIL

America has made great strides in reducing pollution and producing reliable energy. We must not abandon dependable energy sources like oil and natural gas prematurely to avoid rolling blackouts and high, ever-increasing energy costs that will negatively impact Utahns.



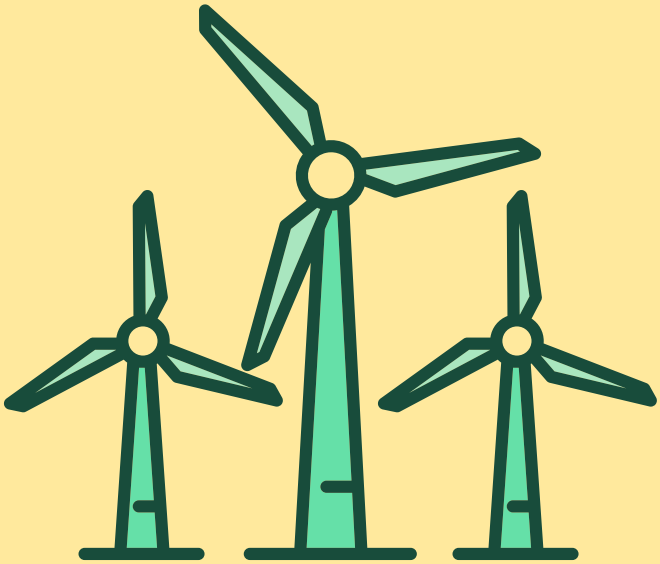
SOLAR



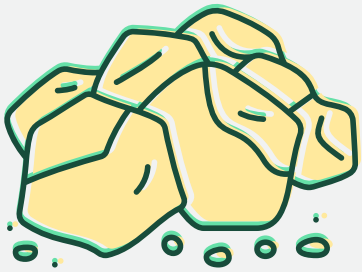
While our state's prolonged periods of cloud cover, snow and fog make solar less reliable, pairing it with other energy sources makes it more efficient and ideal for our long summer months, and it may be a good year-round option for sunny Southern Utah.

WIND

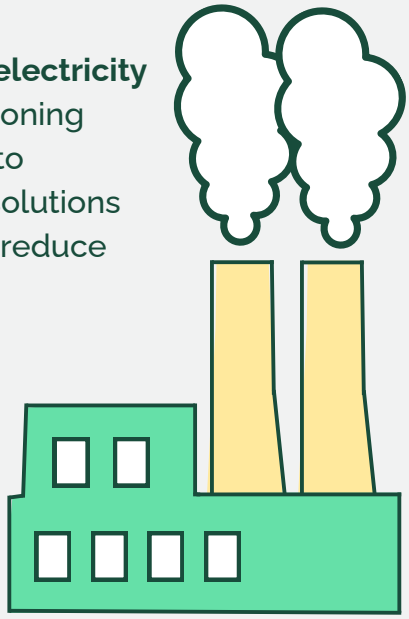
2022 was the windiest summer on record; while Utah does not usually have the most consistent wind resources in the West, it is still an intriguing option moving forward.



REDUCING EMISSIONS



Coal accounted for **53% of Utah's net electricity generation** in 2022. Completely abandoning fossil fuels is not an option if we want to maintain our current way of life. New solutions allow us to trap carbon emissions and reduce the pollution in our air.



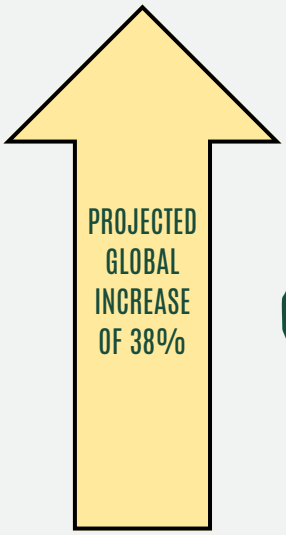
Innovation in turning coal into graphite has demonstrated it could nearly eliminate all CO_2 and other harmful emissions from electricity generation at the plant. Doing so benefits our air quality and allows us to continue to have a reliable energy source and reap the economic benefits of coal.

Utah can and will lead on technology that reduces the emissions of fossil fuels.

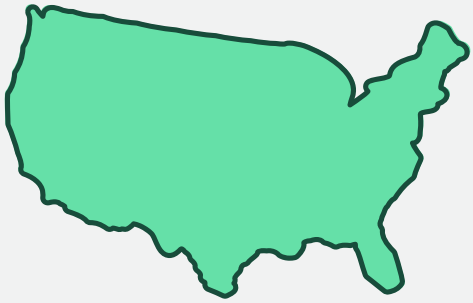
FOSSIL FUELS: BY THE NUMBERS

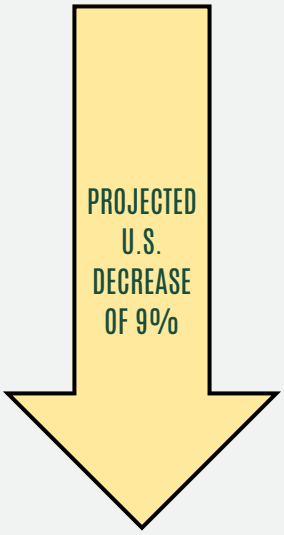
CO2 EMISSIONS 2010-2050

While the rest of the world is increasing its use of coal...



...the U.S. is decreasing.





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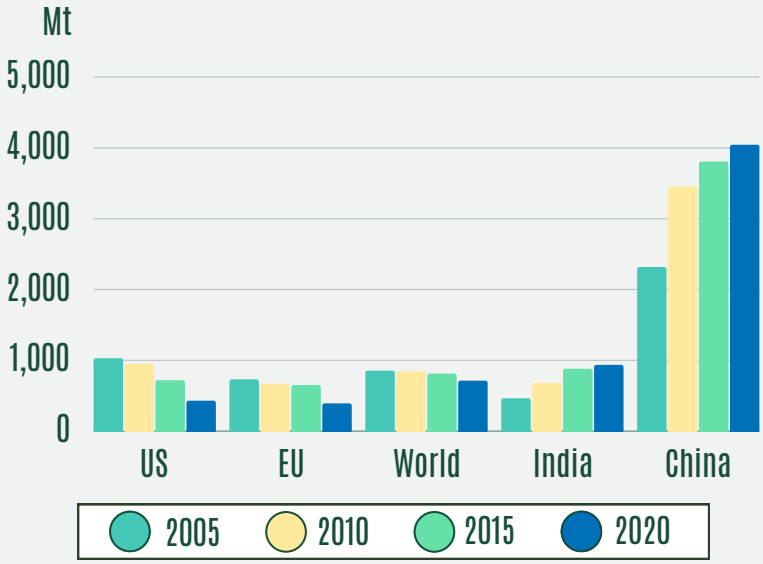
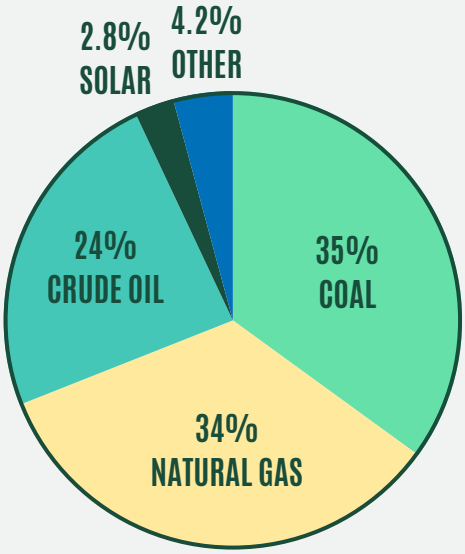
GLOBAL COAL CONSUMPTION



U.S. ENERGY PROFILE



Our priority is to ensure generations to come have access to reliable and affordable energy so that what we take for granted today does not become a luxury only the rich can afford tomorrow. By investing in innovative energy solutions and enhancing our proven energy sources, we can continue to thrive and use technology to help other states, nations and developing countries reduce CO2 emissions while having reliable energy resources.