

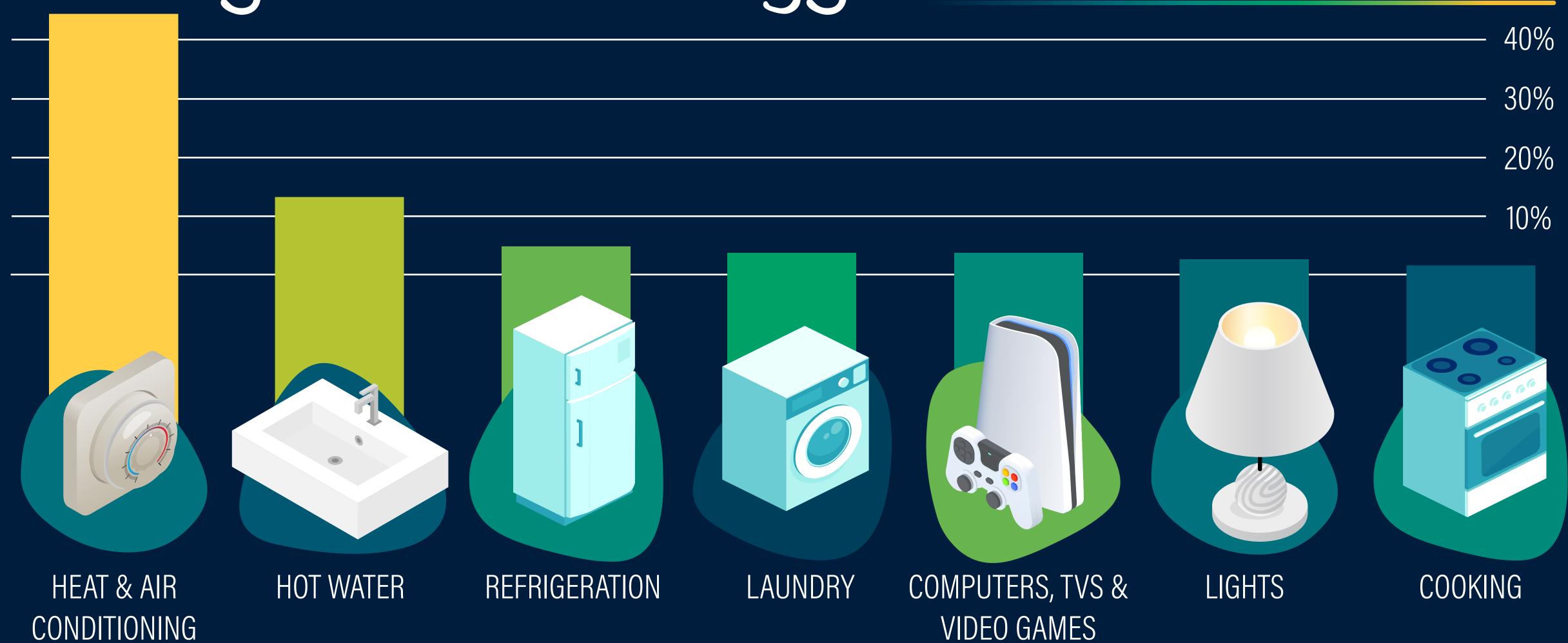
Do you need energy for...





Do you need energy for...

AVERAGE AMERICAN HOME ENERGY USE







Aligon Thompson ABC Energy

My job is to make sure everyone has the energy they need. Today we're going to learn more about:







TYPES OF ENERGY

WHAT IS NATURAL GAS AND WHY IS IT IMPORTANT?

SAFETY AROUND NATURAL GAS





ENERGY JOBS LIKE MINE

OUR ENERGY FUTURE





Aligon Thompson ABC Energy

Kevin Jenkins ABC Energy

Our job is to make sure everyone has the energy they need. Today we're going to learn more about:



ENERGY JOBS LIKE MINE















Renewable energy sources

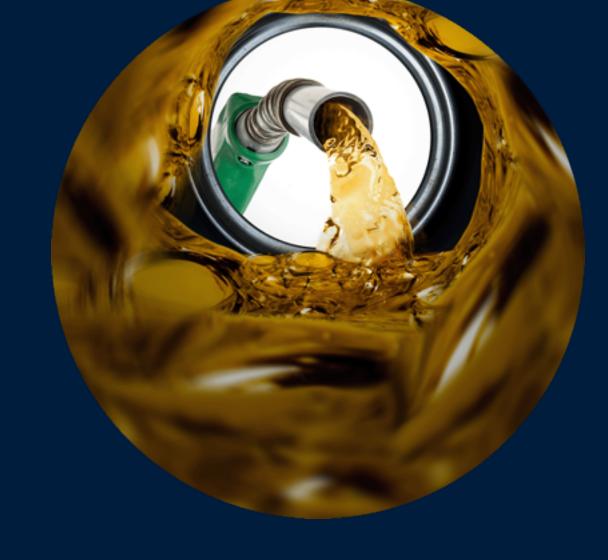
These sources of energy are unlimited, but not always constant.



Non-renewable energy sources

These sources of energy are constant, but they are a limited resource.









COAL

OIL

NATURAL GAS

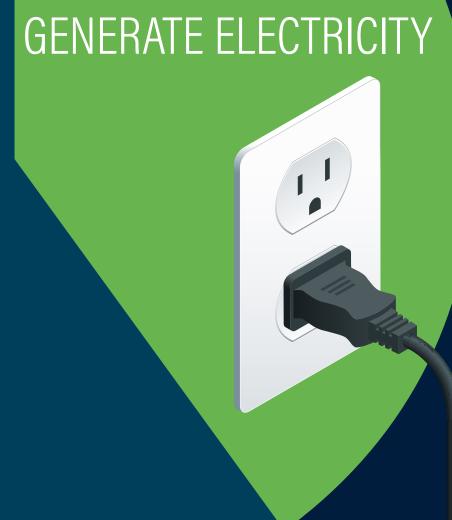
NUCLEAR



Our homes' energy is mostly electricity Electricity is created at power stations and delivered through power lines.

OF THE TOTAL ENERGY CONSUMED IN THE

UNITED STATES 40% IS USED TO



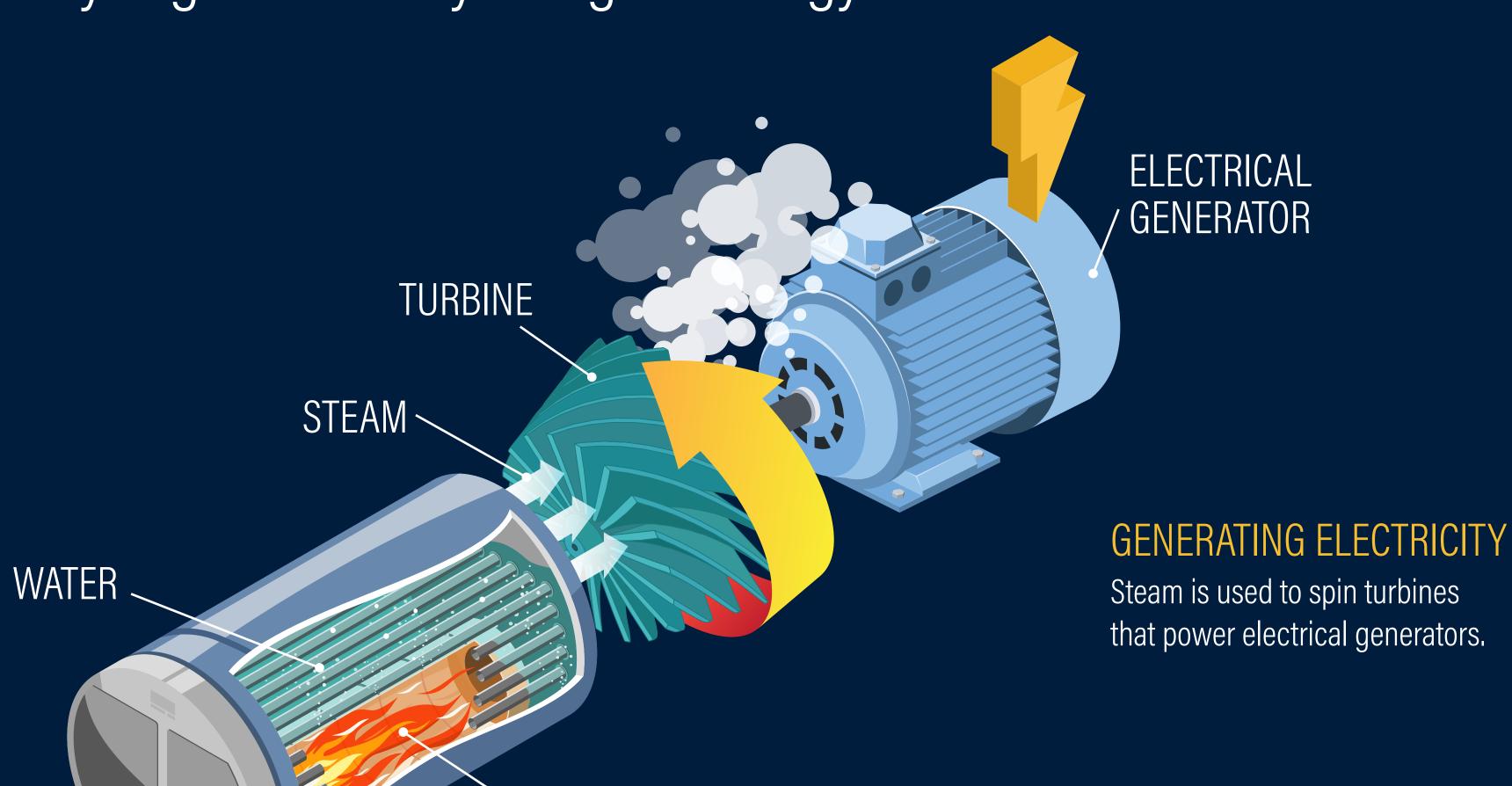


Electricity is used to power many of the appliances and devices we use every day.



How is electricity created?

Most electricity is generated by using an energy source to heat water to create steam.



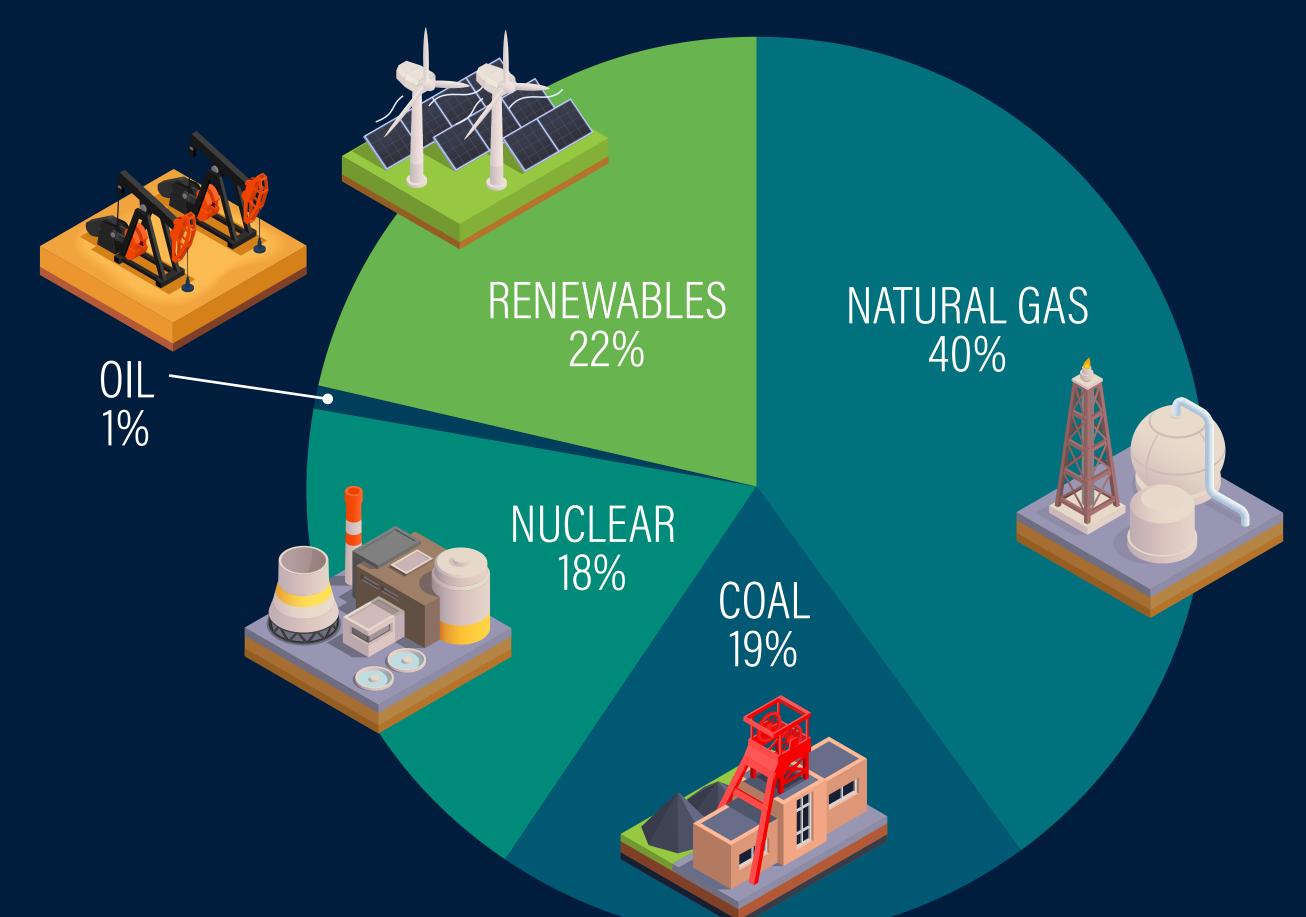
HEAT SOURCE



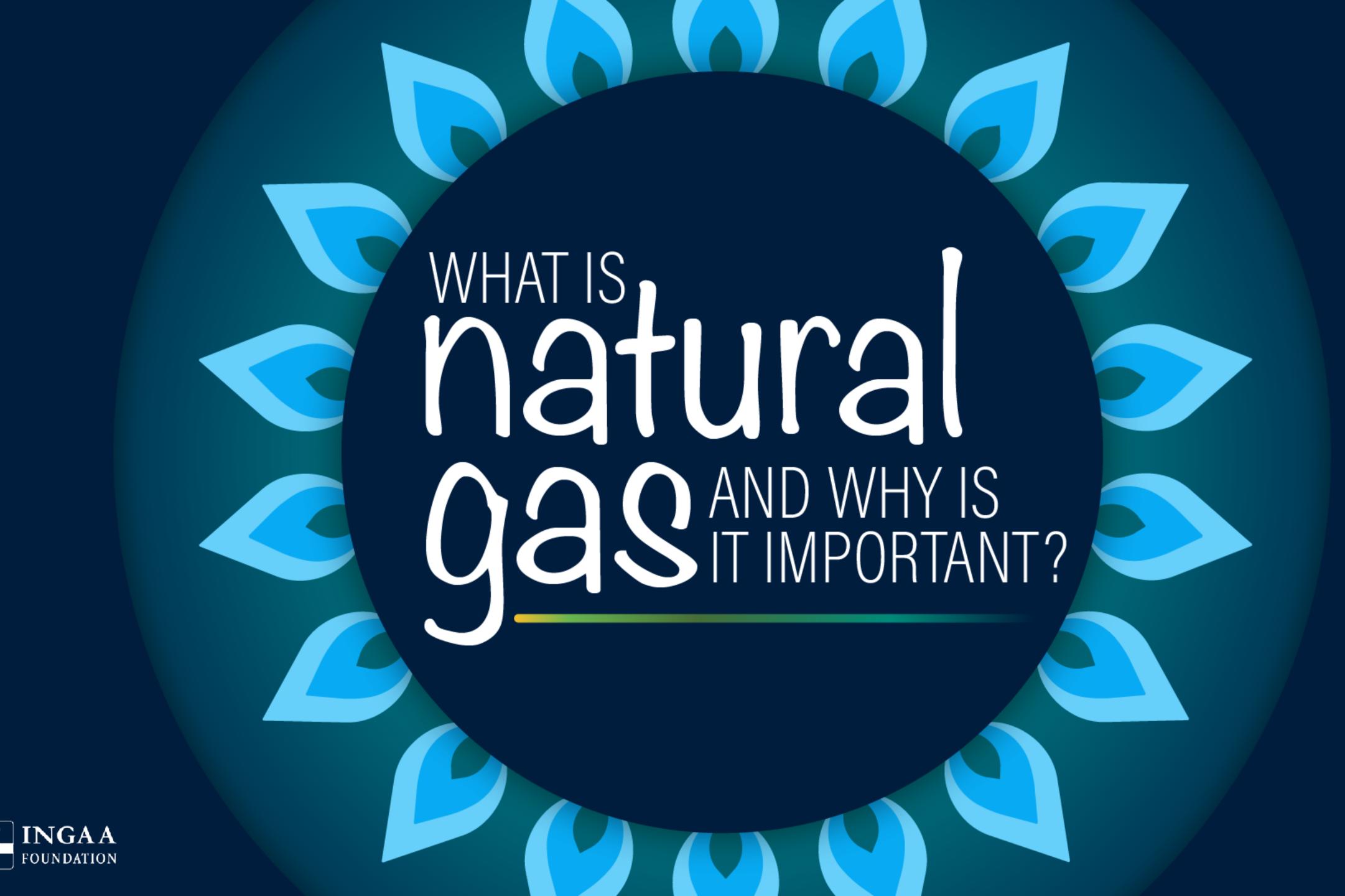
How is electricity created?

Nearly 40% of all electricity produced in the U.S. comes from natural gas.

SOURCES OF U.S. ELECTRICITY GENERATION



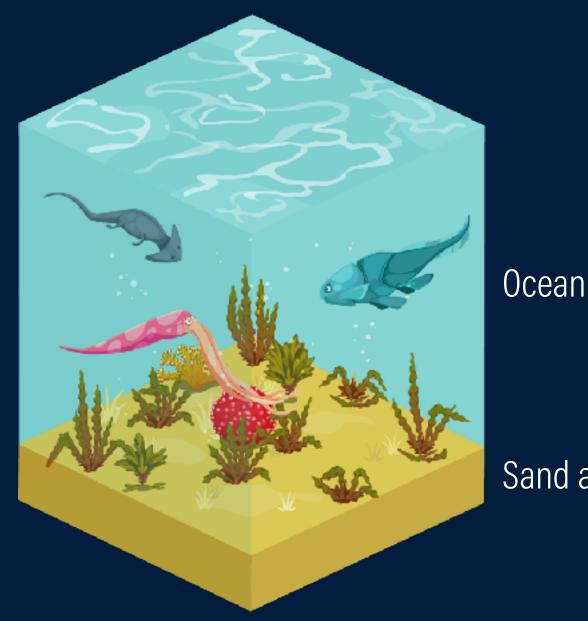




How is natural gas formed?

Natural gas is what we call a fossil fuel.

300-400 MILLION YEARS AGO



Sand and Silt

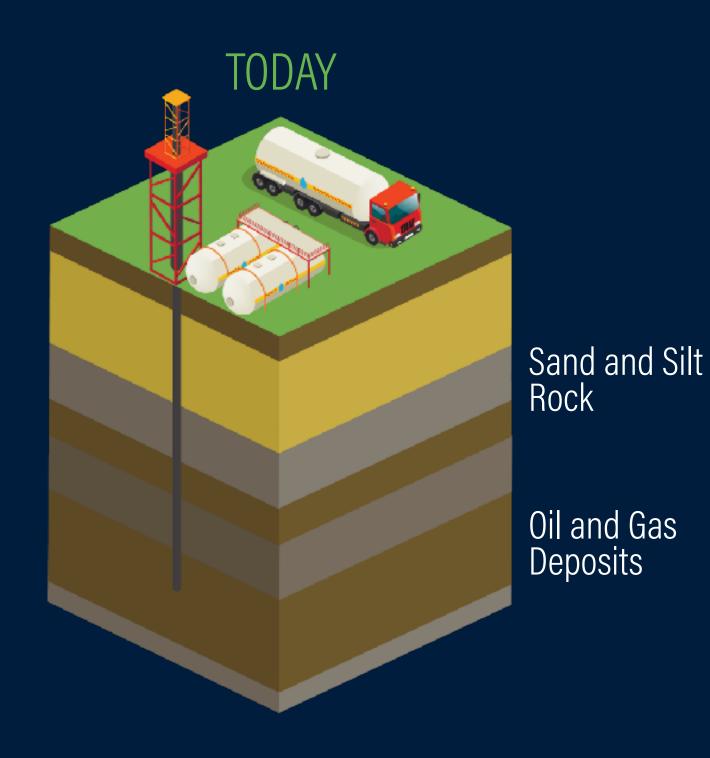
50-100 MILLION YEARS AGO



Ocean

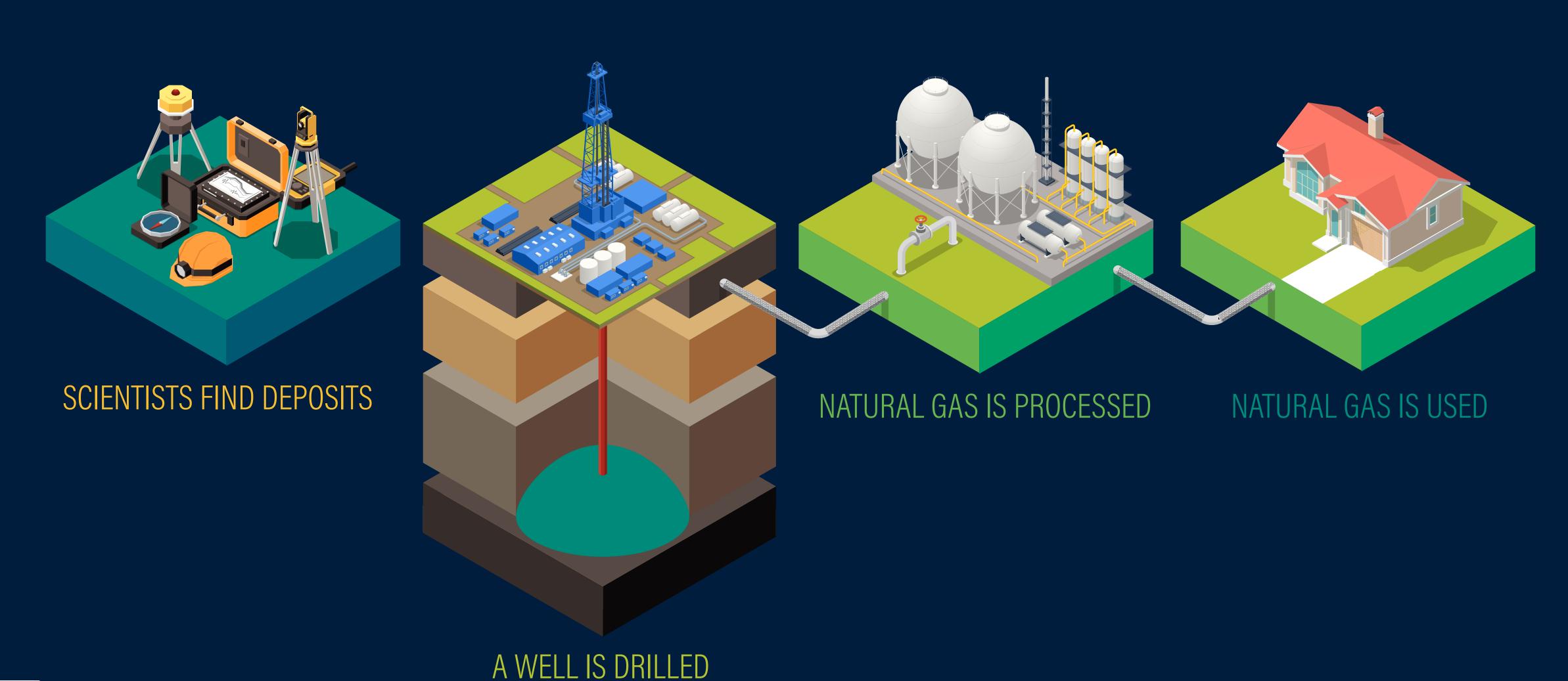
Sand and Silt

Plant and Animal Remains





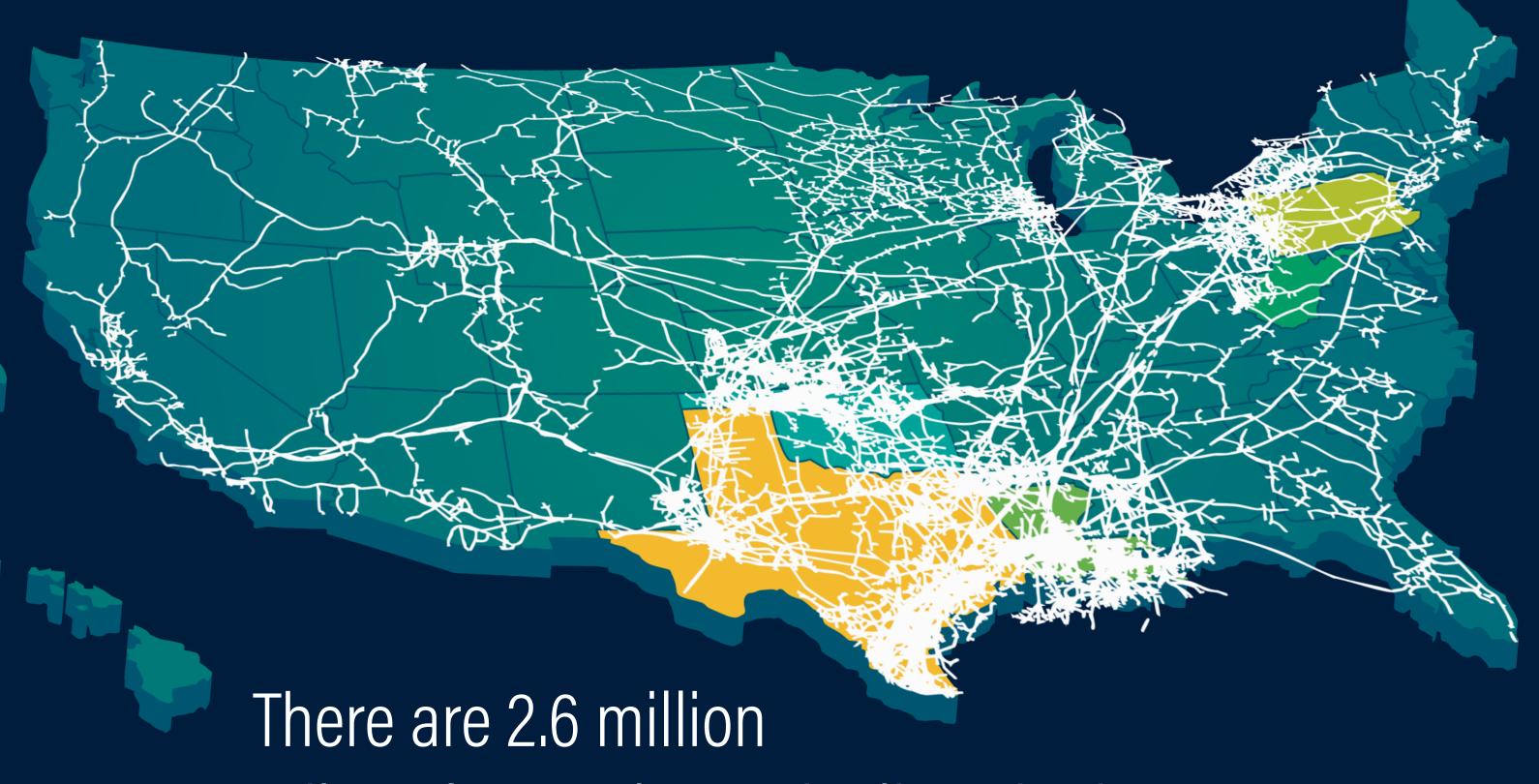
How do we get natural gas?





Natural gas pipelines in the U.S.

America's unseen energy highways.

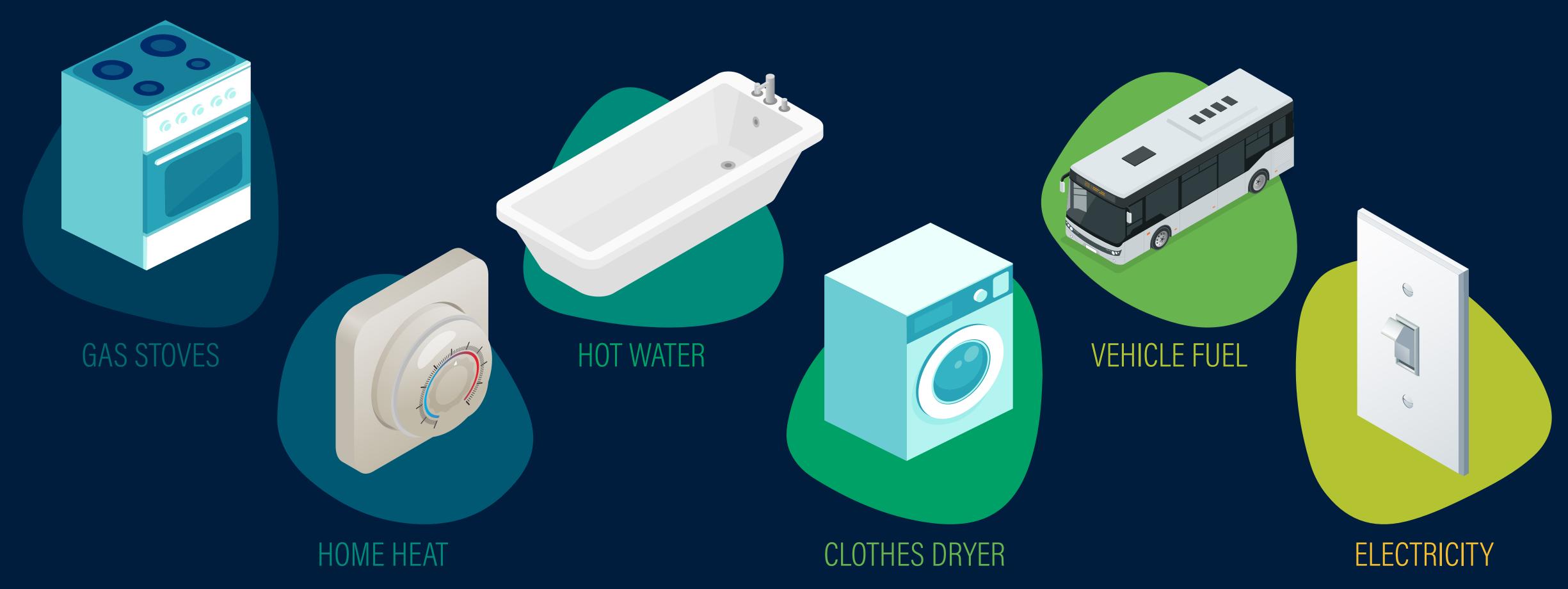


miles of natural gas pipelines in the U.S.



How do we use natural gas?

Once natural gas is delivered, its energy can be used to power our everyday activities.





What do we make with natural gas?

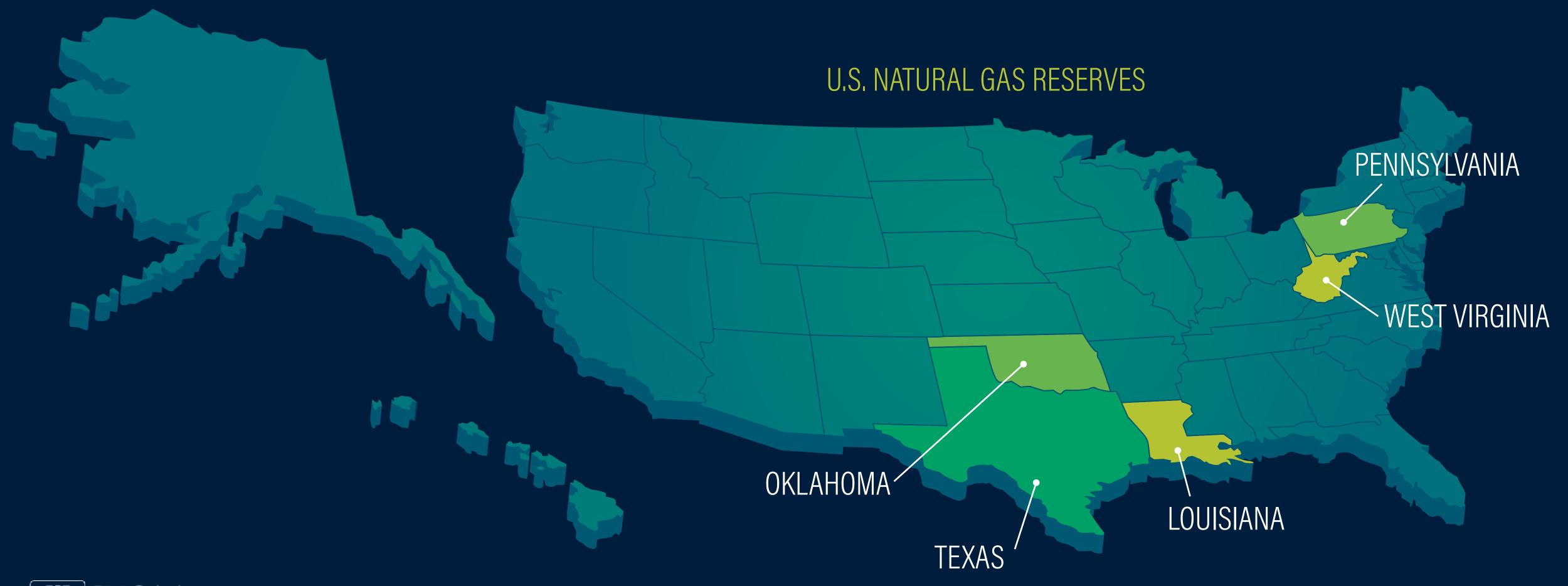
Natural gas isn't just a great source of energy. It can be made into all kinds of things.



FOUNDATION

What's the U.S.'s role with natural gas?

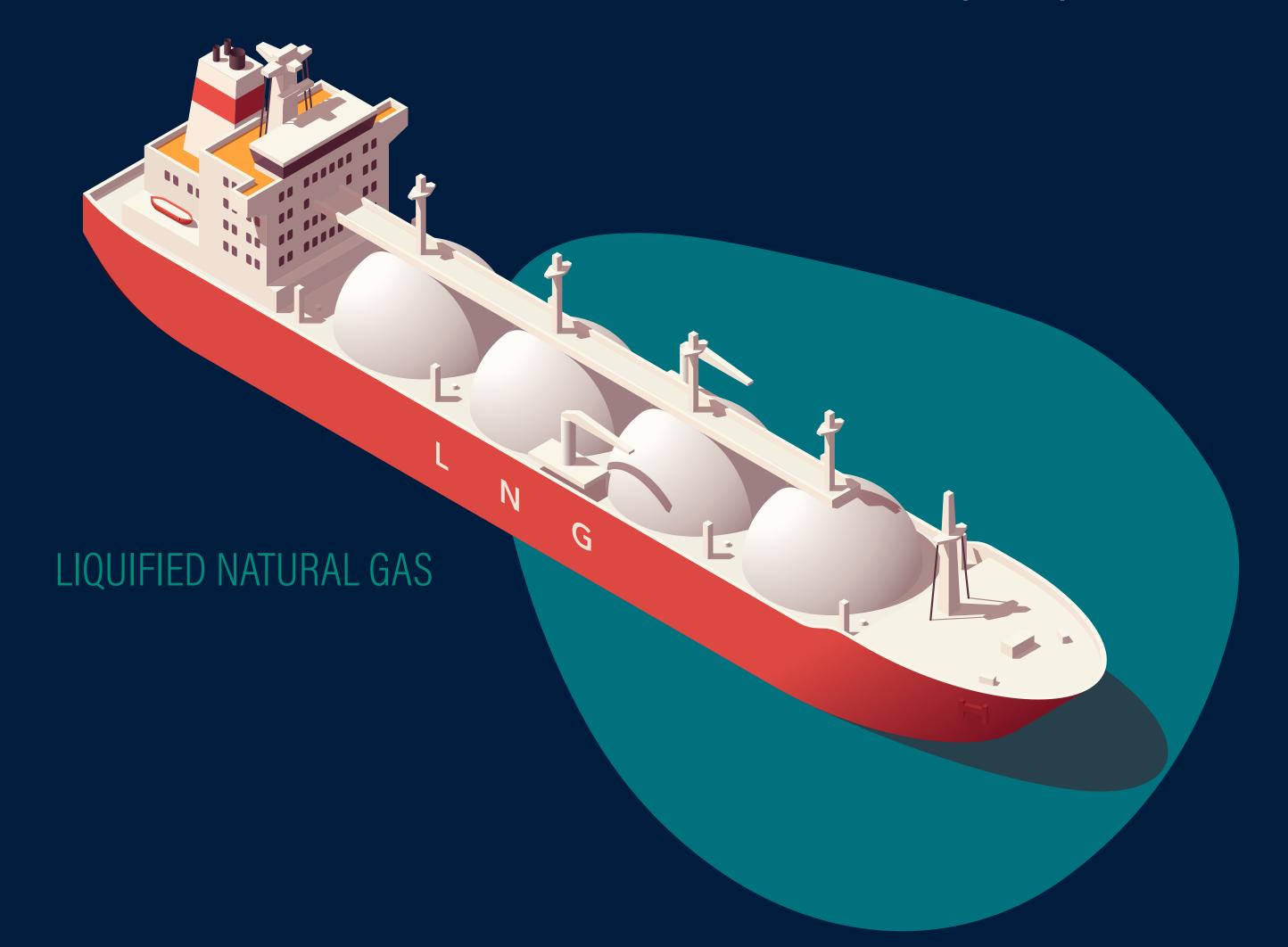
Today the United States is the world's largest producer of natural gas.





What's the U.S.'s role with natural gas?

The United States is one of the top exporters of LNG in the world.

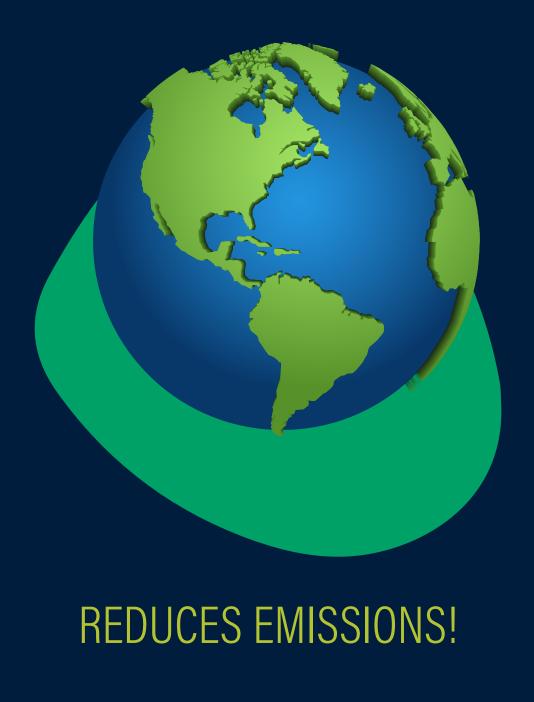




Natural gas has many benefits! Natural gas provides energy to many but it has other benefits too!





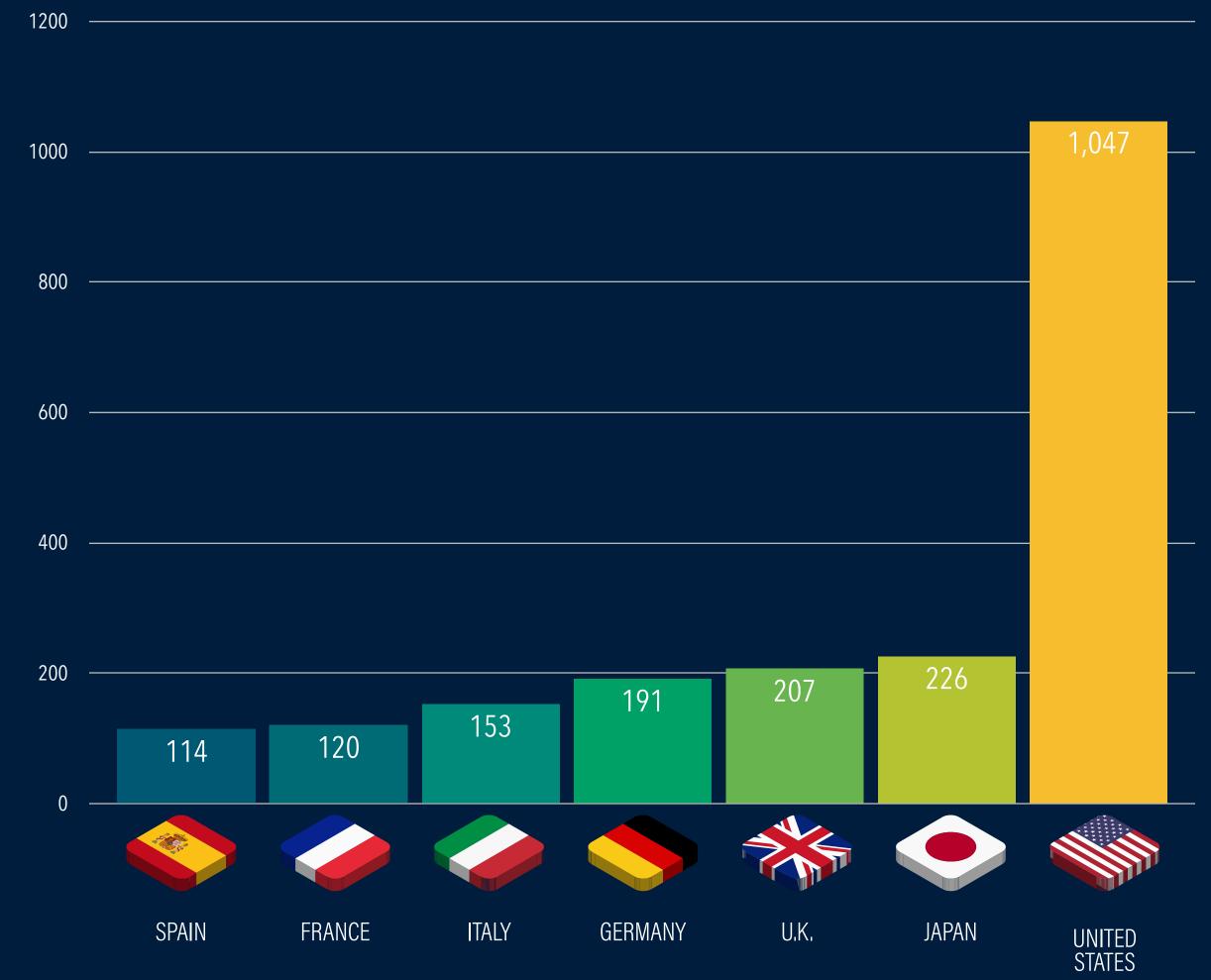




Natural gas has many benefits!

CARBON DIOXIDE EMISSIONS REDUCTIONS BETWEEN 2005-2022





Thanks to natural gas, the United States reduced its emissions more than any other country in the world between 2005 and 2022!



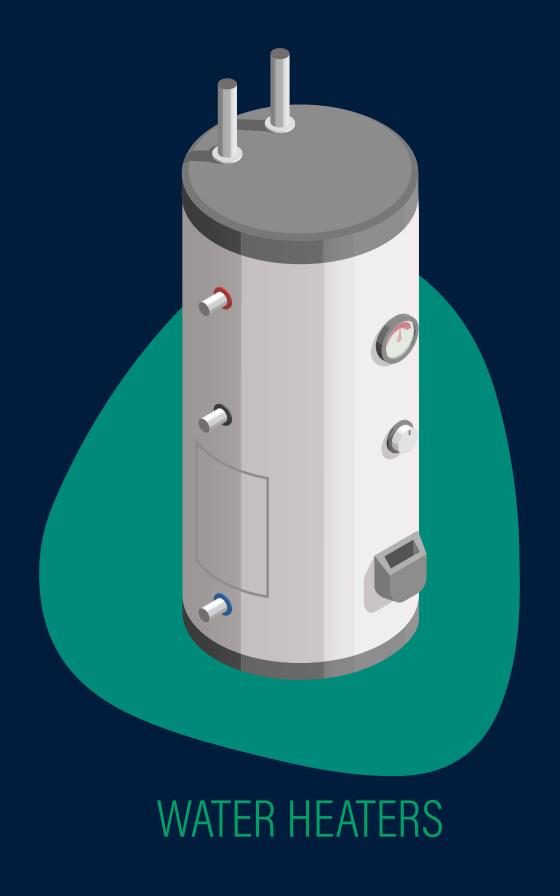
Source: Energy Institute and the Institute for Energy Research





Do you have natural gas appliances? Using these appliances without adult supervision could be dangerous.



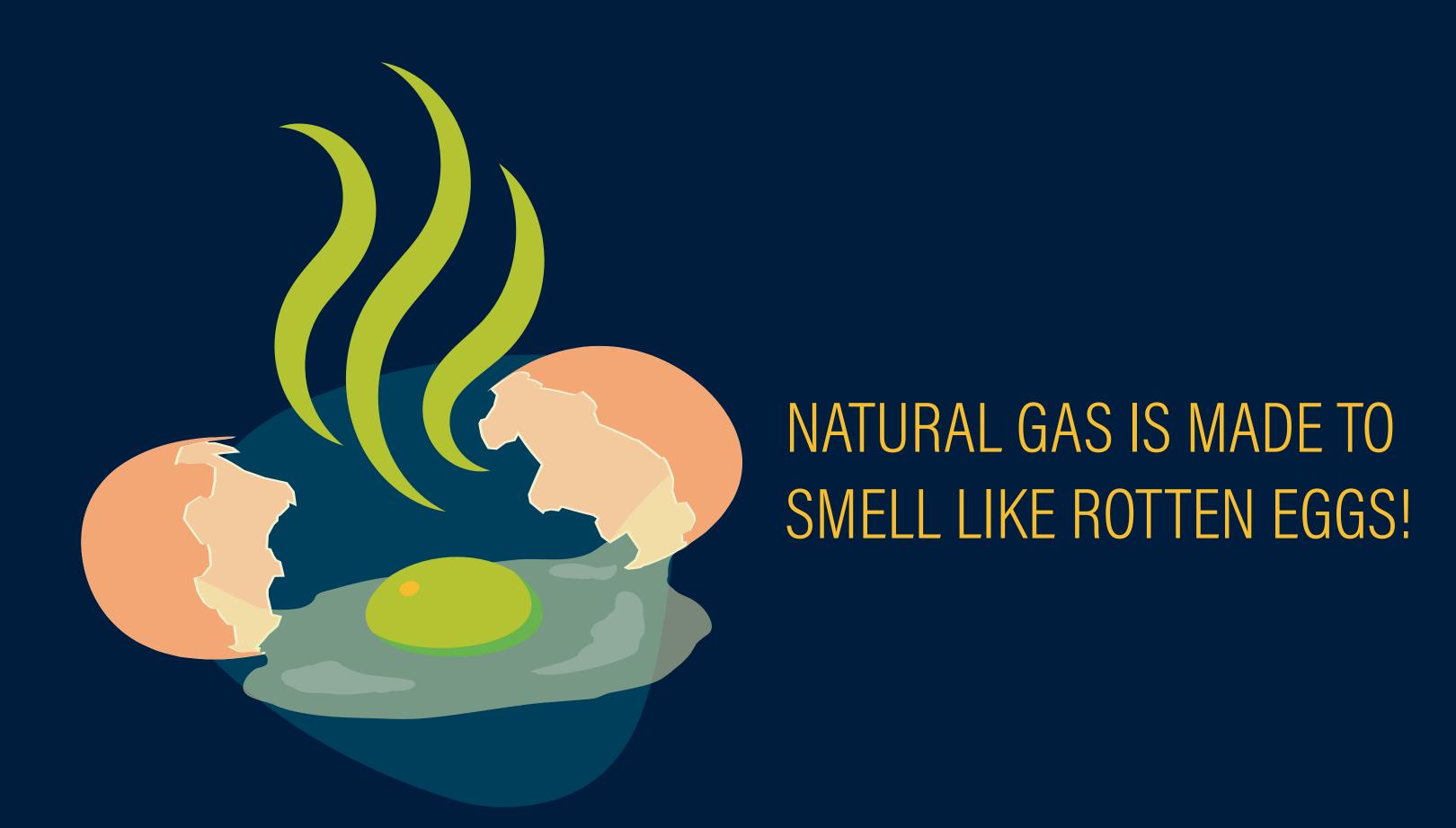






Natural gas is given a special smell

Natural gas doesn't have a color or smell, so the gas company adds a smell.



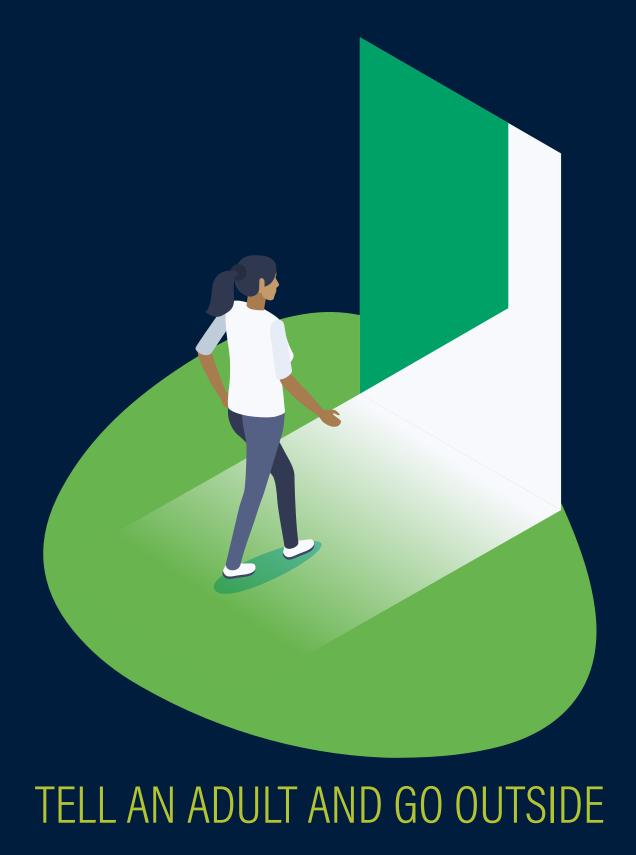


What if you smell natural gas?

Act fast and follow these tips if you think you smell a gas leak.









Talk to an adult about 811

811 is the national call-before-you-dig phone number.











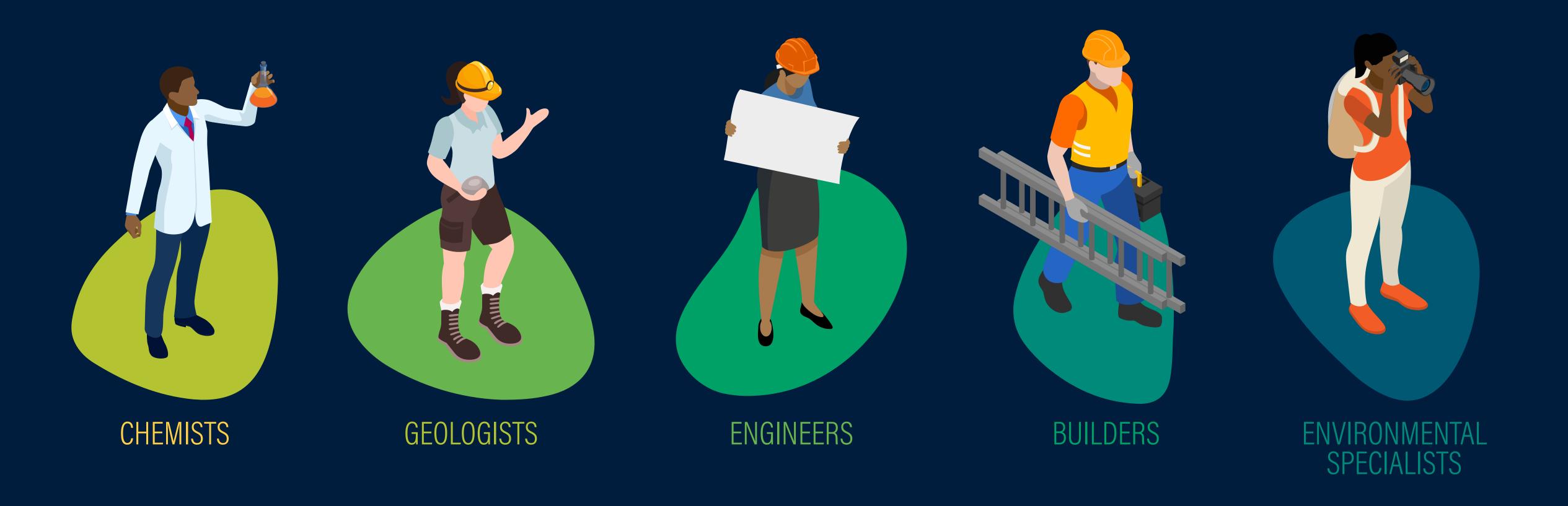
Careers in energy are important It takes a lot of smart, hard-working people to keep our energy flowing.





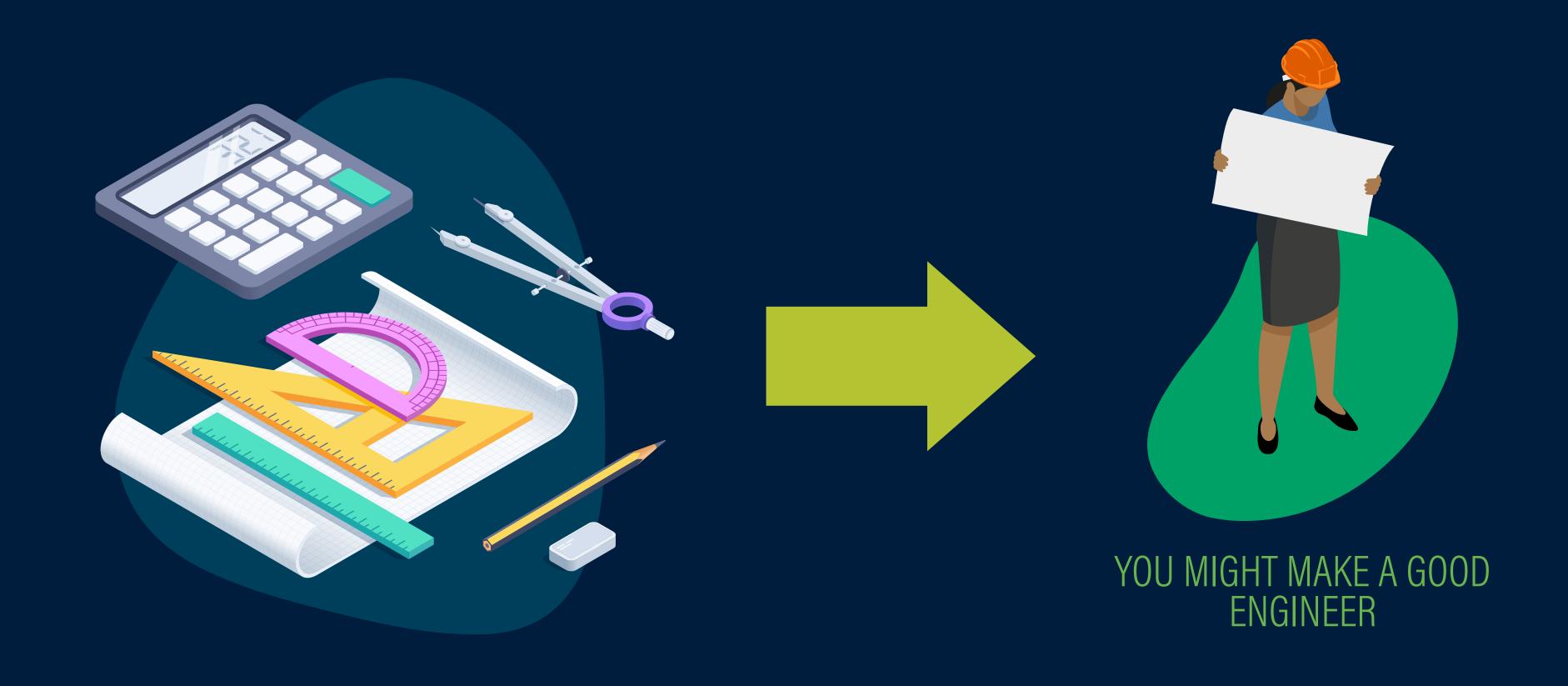
Let's talk about other careers in energy.

Each job plays a key role in making sure we have the energy and materials we need.





Do you like science and math?



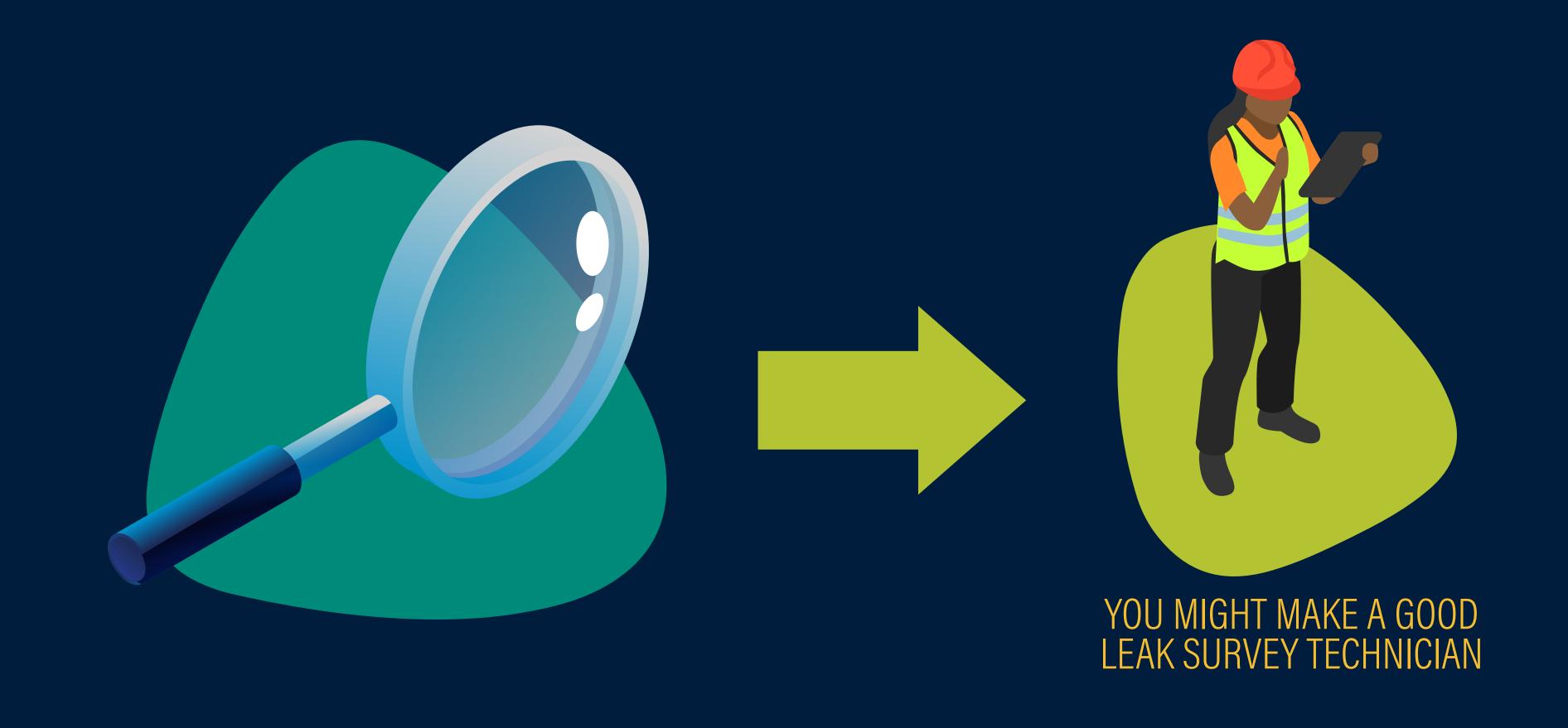


Do you like going on adventures?



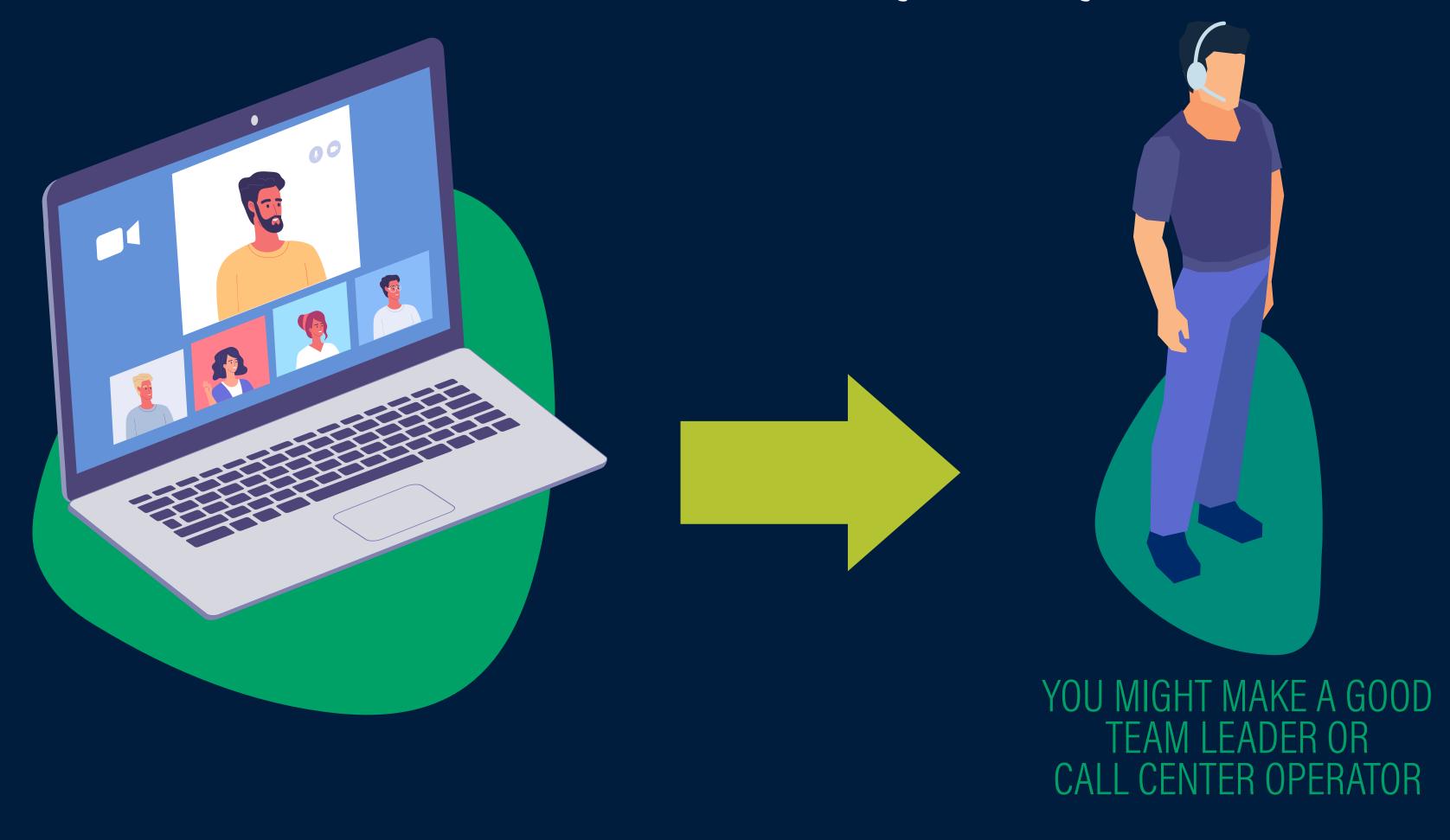


Do you like investigations and research?





Do you like talking to people?





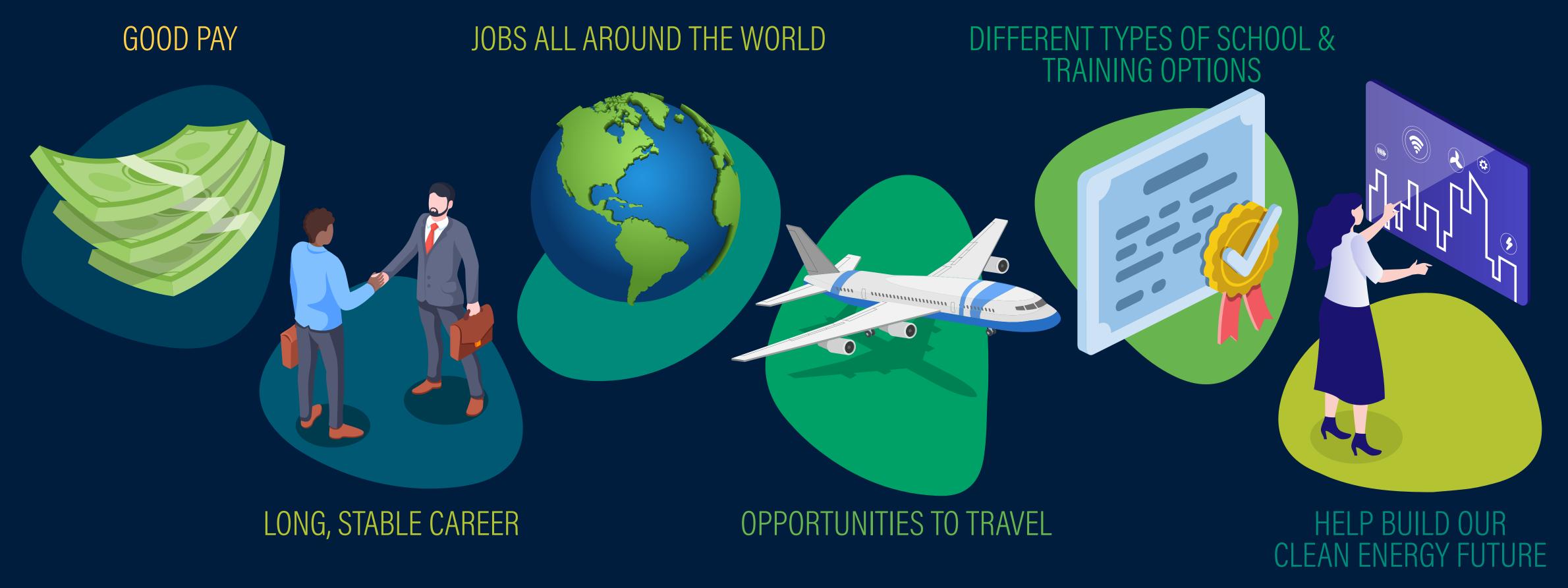
Do you like to dig and collect rocks?





Benefits of energy careers

Choosing a career in energy can mean a lot of perks.





Different jobs require different education



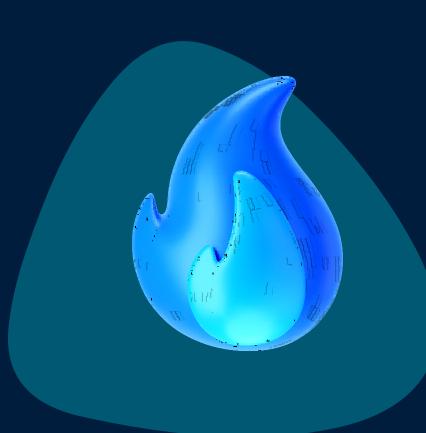
SOME REQUIRE A COLLEGE DEGREE,
BUT OTHERS REQUIRE A SPECIALIZED
CERTIFICATE YOU CAN GET THROUGH A
TRAINING PROGRAM AFTER HIGH SCHOOL





Natural gas is a key player in our future









THE NATURAL GAS INDUSTRY IS FOCUSED ON CONTINUALLY REDUCING EMISSIONS





Natural gas is a partner for renewables

We need the support of natural gas when the sun doesn't shine and wind doesn't blow.







CLICK TO WATCH A MATCH MADE IN HEAVEN

