



Alison Thompson

ABC Energy

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



ENERGY SOURCES



SAFETY AROUND NATURAL GAS



WHAT IS NATURAL GAS AND WHY IS IT IMPORTANT?



ENERGY JOBS LIKE MINE



José's morning

José woke up before sunrise because of the alarm clock. He turned on the lights in his closet, showered in warm water, put on clothes, poured cereal in a bowl and added milk from the refrigerator. He ate while watching YouTube videos, then placed the dishes in the dishwasher and turned it on. José used his electric toothbrush and fixed his hair with a hair dryer before putting on shoes and grabbing the backpack off the back of the chair. José got on the school bus for the 20-minute ride to school.

How did José use energy this morning?



Source: Switch Classroom

José's morning







CLOSET LIGHT



HOT WATER



REFRIGERATOR



INTERNET



ELECTRIC TOOTHBRUSH



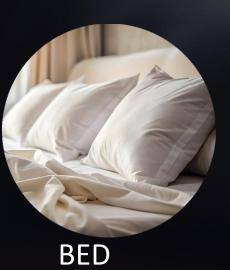
HAIR DRYER



SCHOOL BUS



SCHOOL





HOUSE



CLOTHES & SHOES



CEREAL, MILK & BOWL



SCREEN & **BATTERY**



SINK, TOOTHPASTE & HAIR PRODUCT



BACKPACK



CHAIR



Renewable energy sources

What does it mean to be renewable?



Nonrenewable energy sources

How are nonrenewable resources different from renewable resources?









COAL

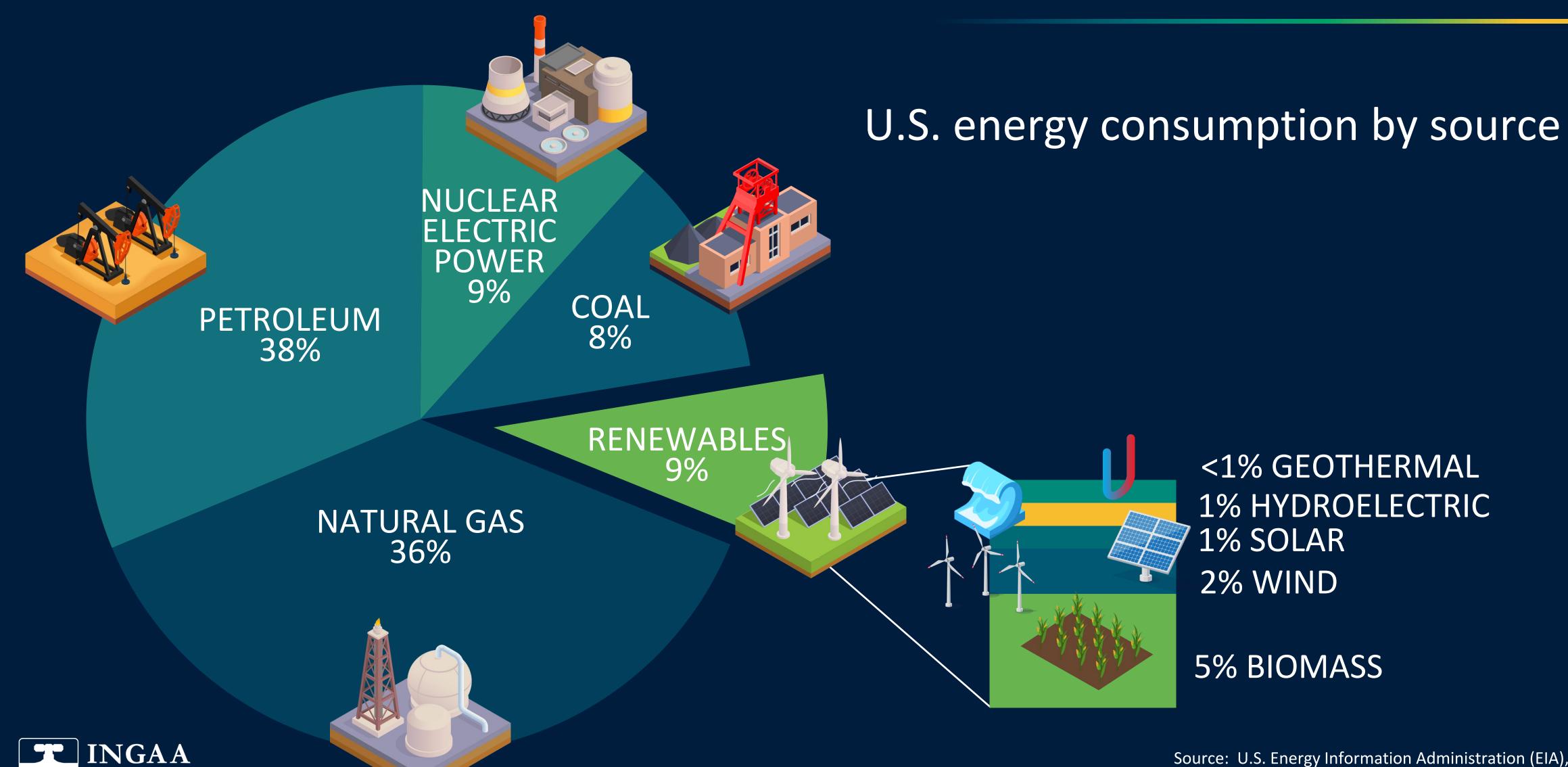
OIL

NATURAL GAS

NUCLEAR



What sources do we use most for energy?



FOUNDATION

How do we use energy?

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

OF THE
TOTAL ENERGY
CONSUMED IN THE
UNITED STATES

40% IS USED TO MAKE ELECTRICITY

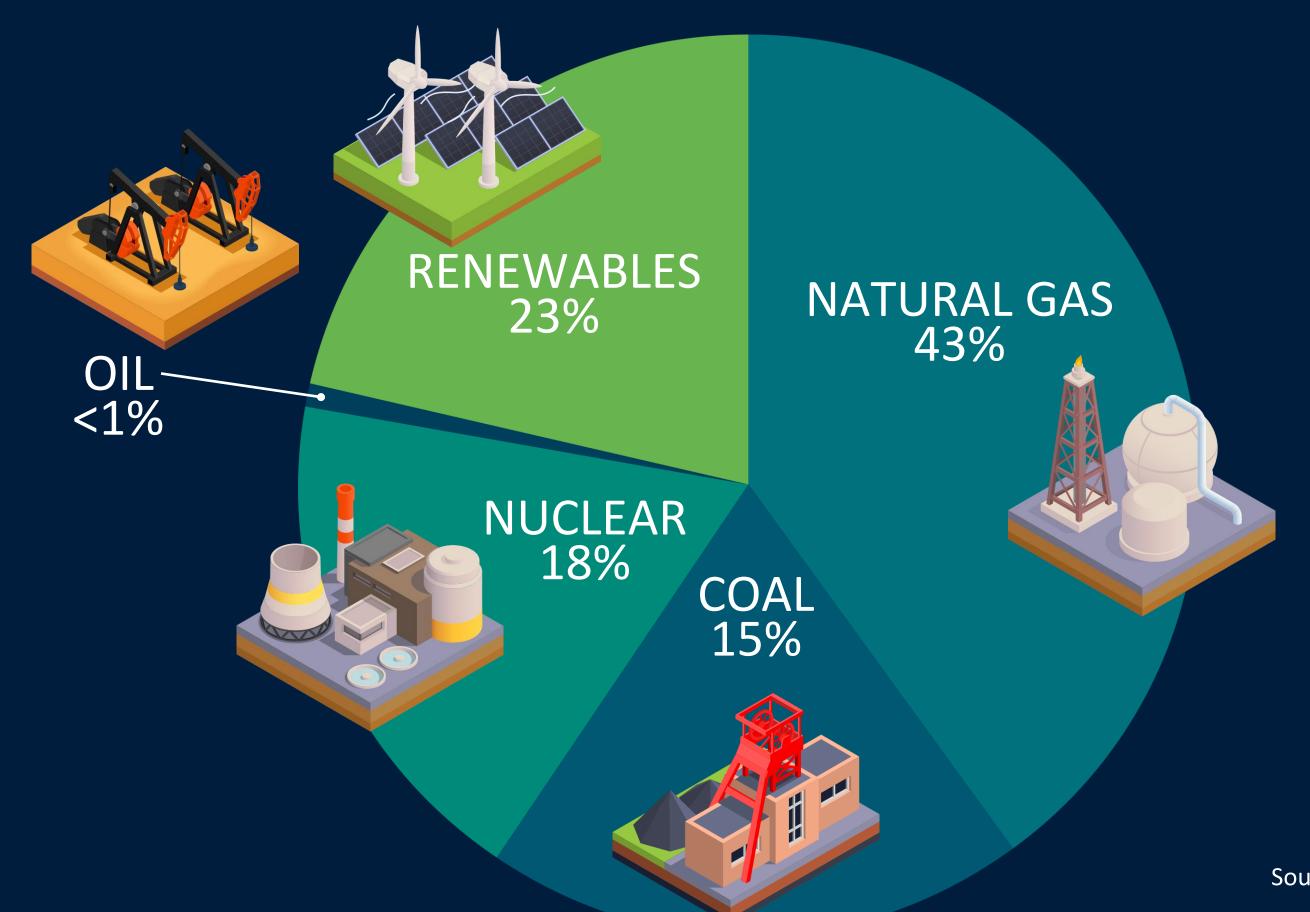


Electricity is created at power plants and delivered through power lines.

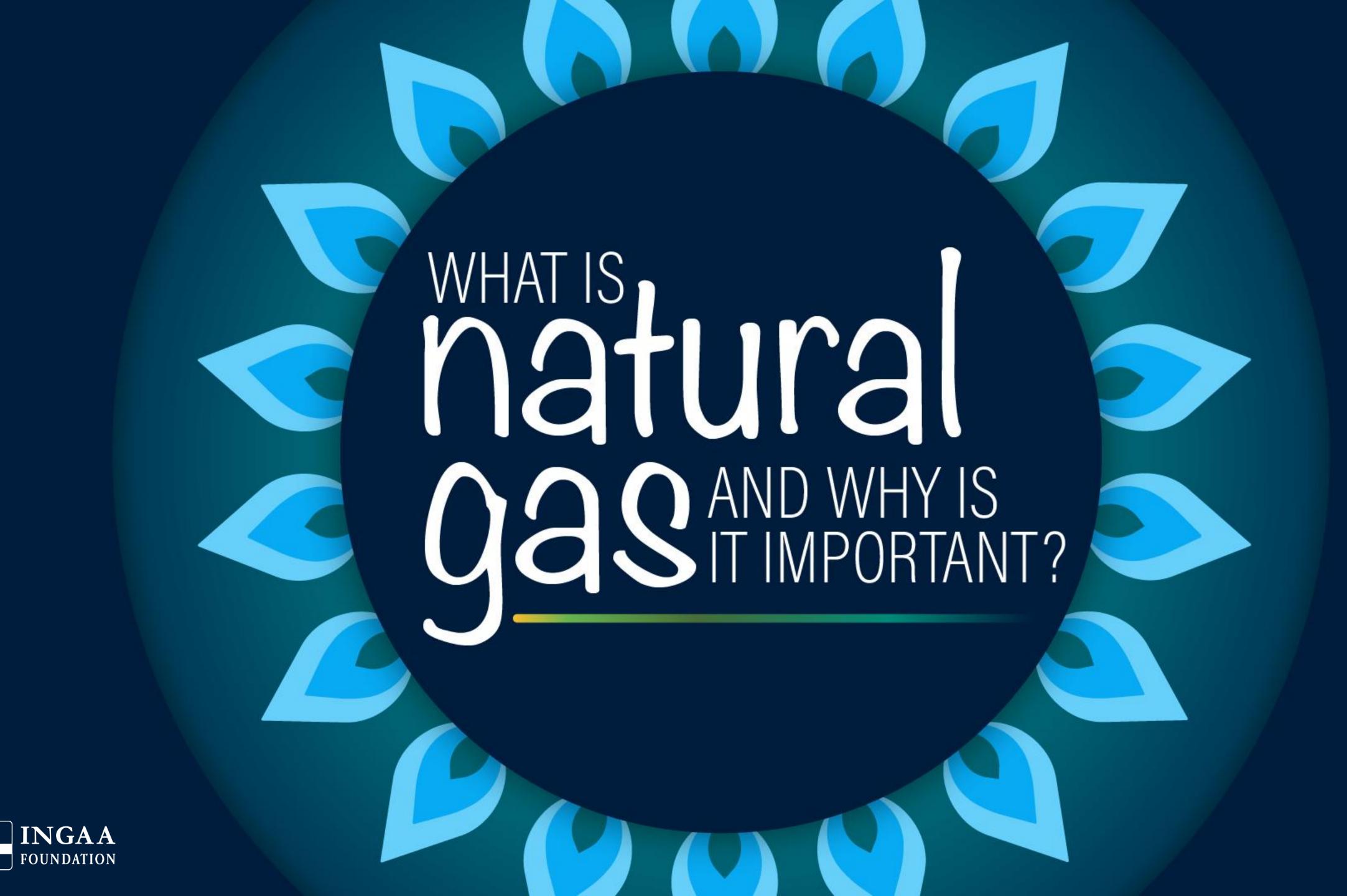


What sources do we use for electricity?

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







How is natural gas formed?

Natural gas is what we call a fossil fuel.

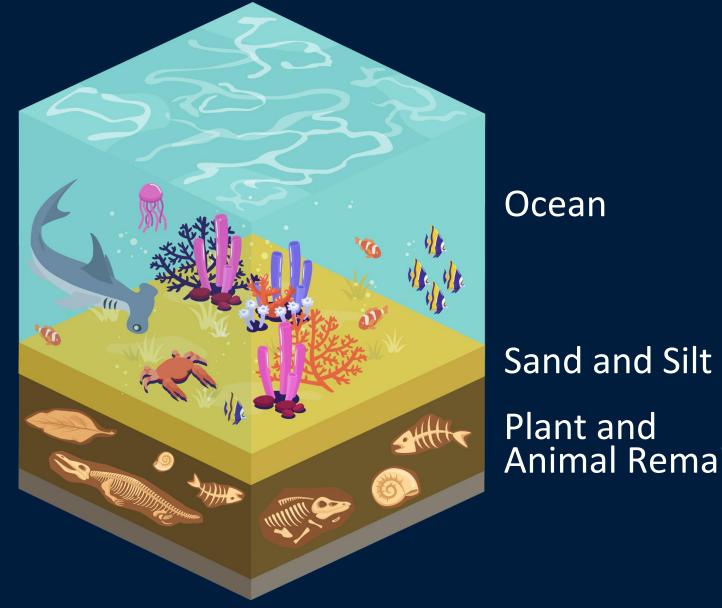
300-400 MILLION YEARS AGO



Ocean

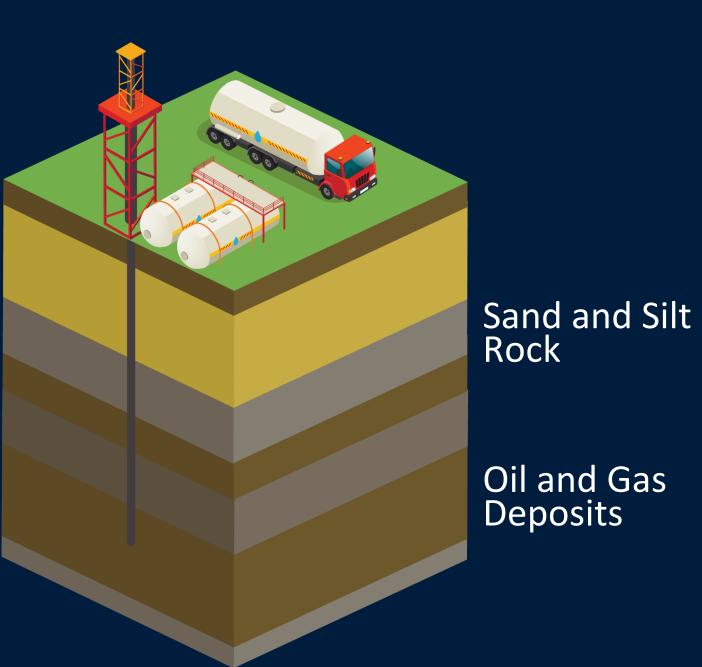
Sand and Silt

50-100 MILLION YEARS AGO



Ocean

Plant and **Animal Remains** **TODAY**



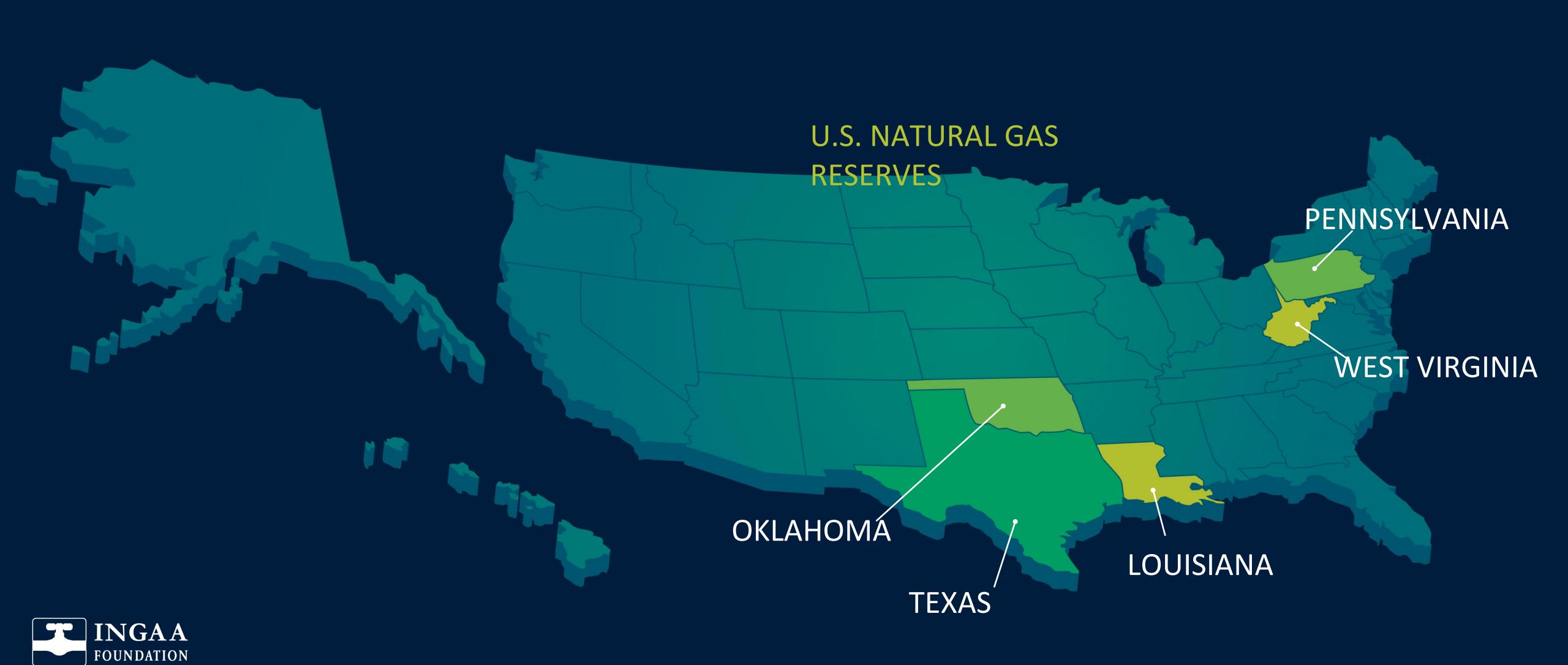


What do we make with natural gas?

Natural gas can be made into all kinds of things.

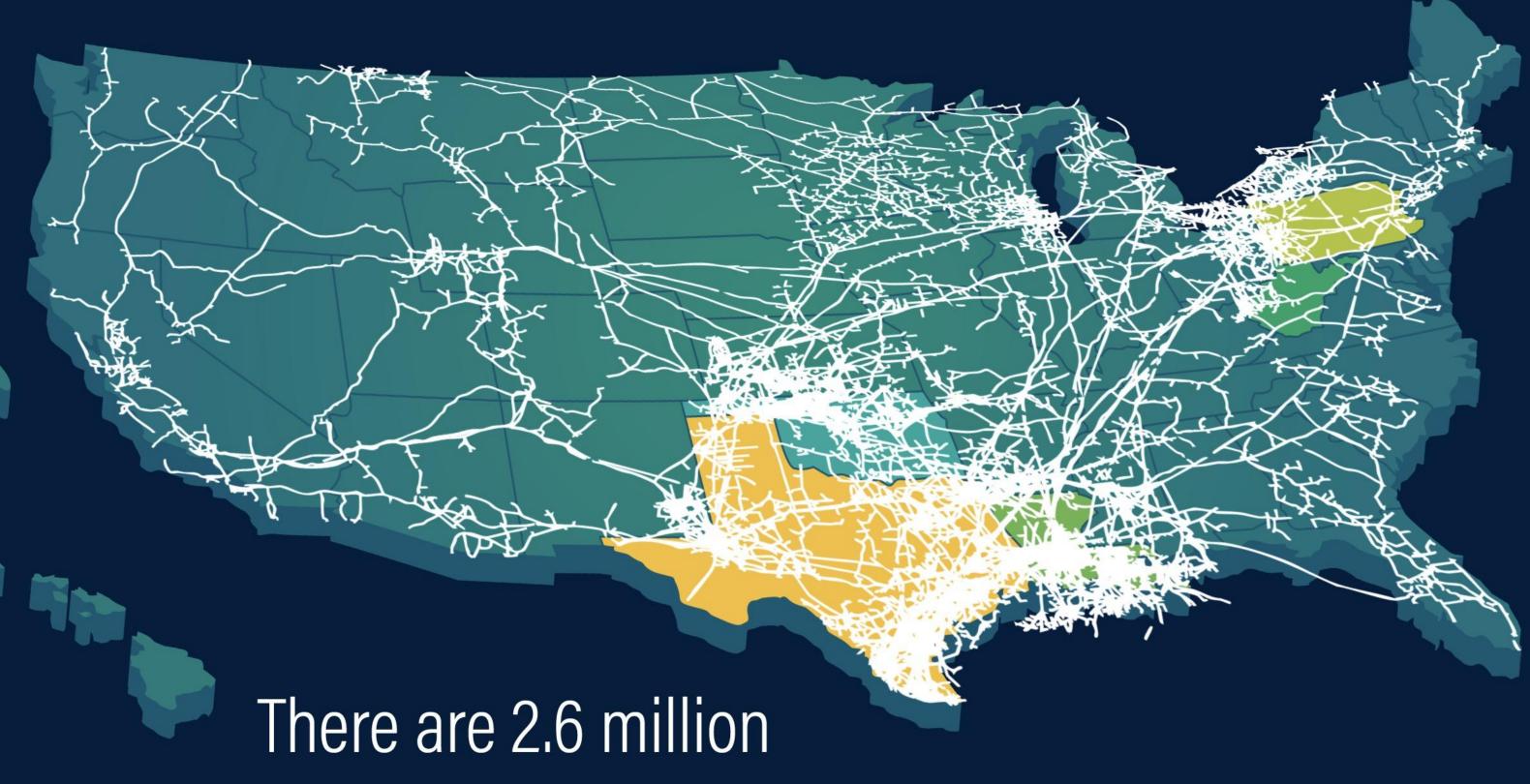


The United States is the world's largest producer of natural gas.



Natural gas pipelines in the U.S.

America's unseen energy highways.



There are 2.6 million miles of natural gas pipelines in the U.S.

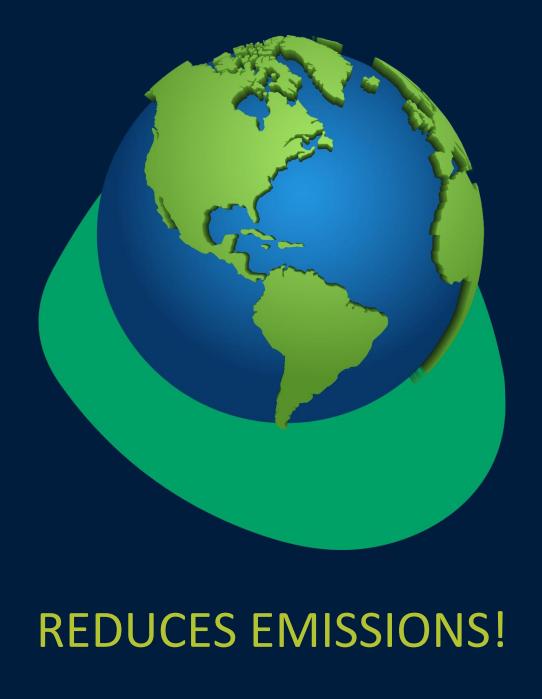


Natural gas has many benefits!

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









Natural gas is a key player in our

future









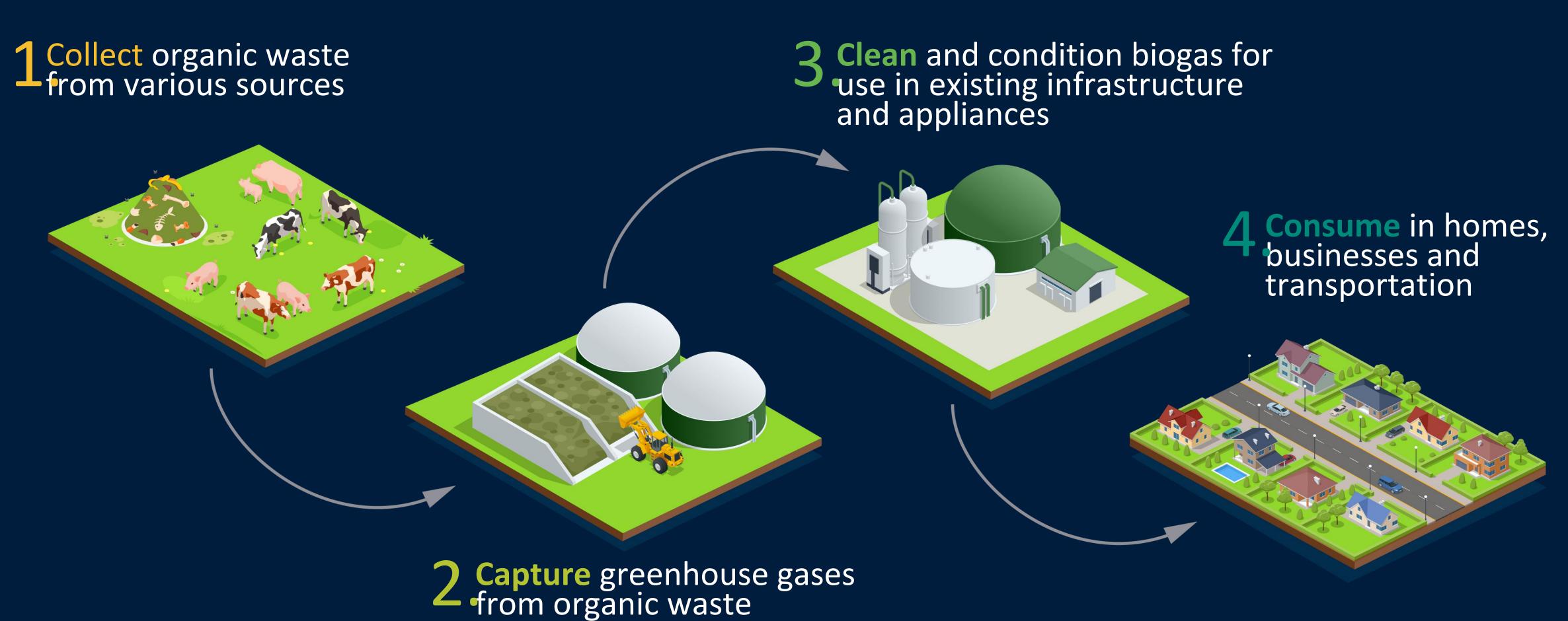
THE NATURAL GAS
INDUSTRY IS FOCUSED
ON REDUCING
EMISSIONS





What is Renewable Natural Gas (RNG)?

RNG is the same as conventional natural gas, but it has a lower carbon footprint.





Natural gas is a partner for renewables

Natural gas can be used natural gas when the sun isn't shining, or the wind doesn't blow.









Do you have natural gas appliances?

Using these appliances without adult supervision could be dangerous.









FIREPLACES



Natural gas is given a special smell

Natural gas is colorless and odorless, so the gas company adds a smell.





What if you smell natural gas?

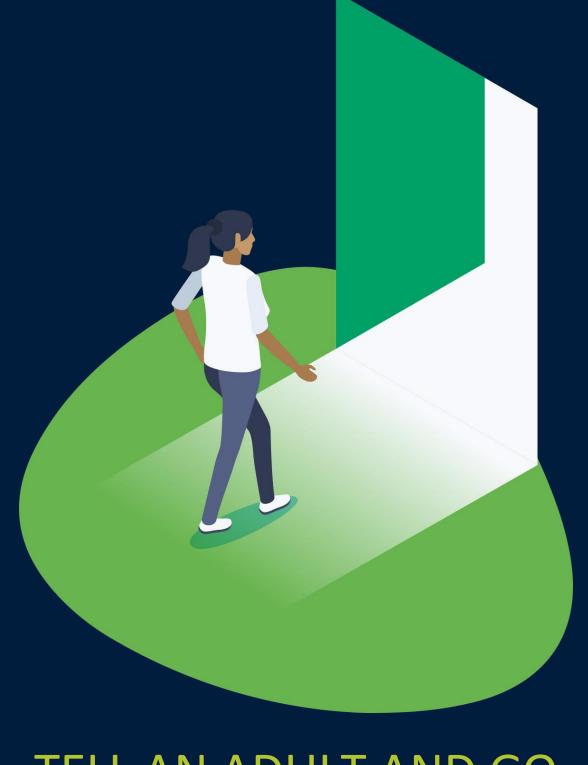
Act fast and follow these tips if you think you smell a gas leak.



DON'T USE ELECTRICITY



DON'T LOOK FOR THE LEAK



TELL AN ADULT AND GO OUTSIDE



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.

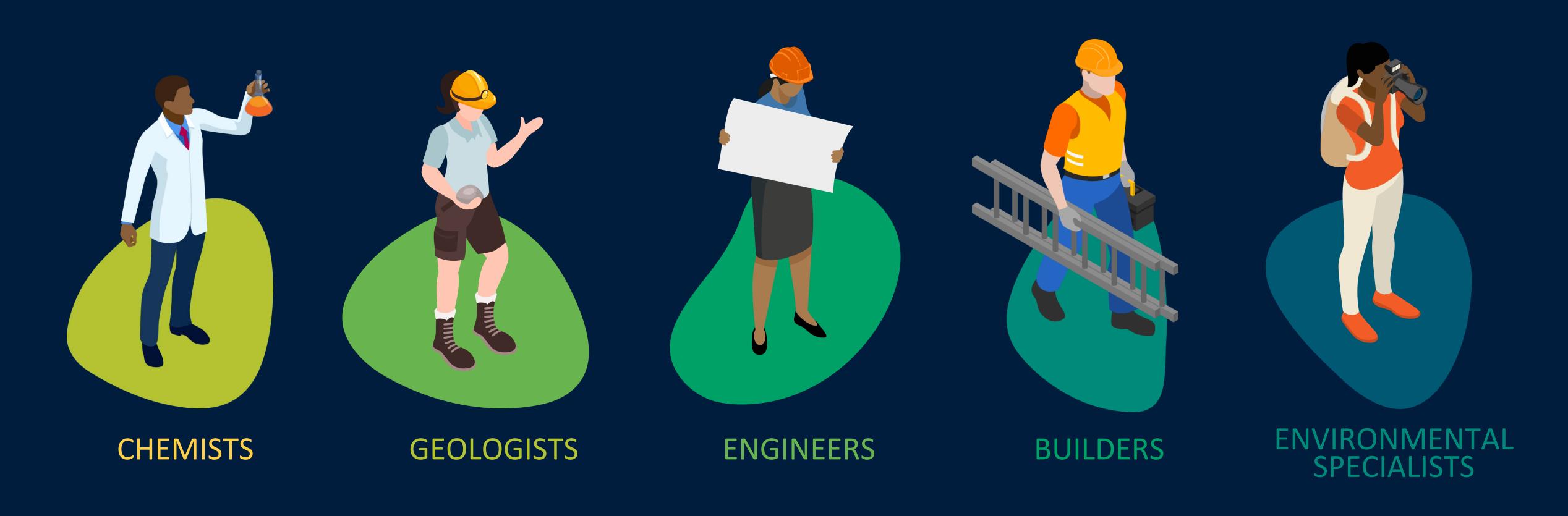


THE NATURAL GAS
INDUSTRY
EMPLOYS 4 MILLION
AMERICANS



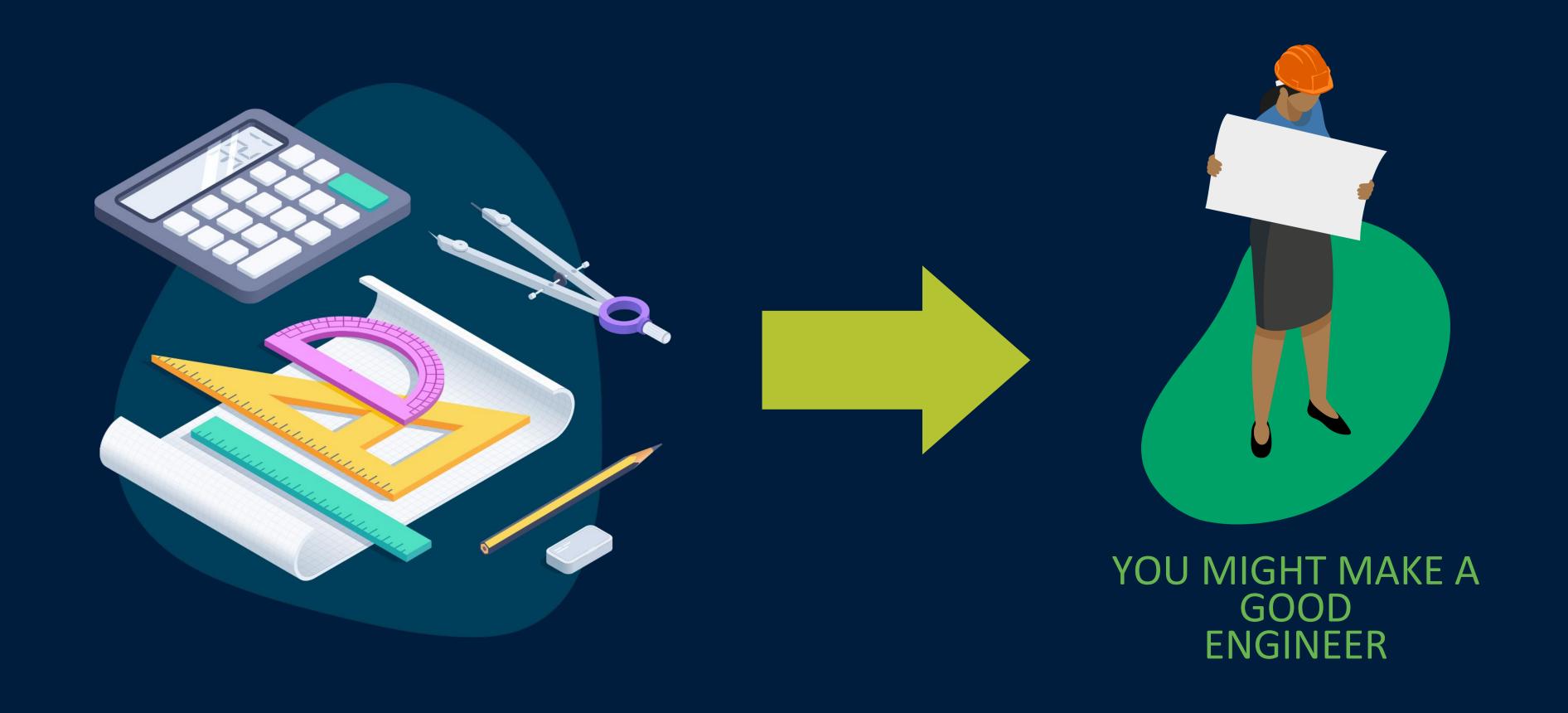
Example Careers in Energy

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?



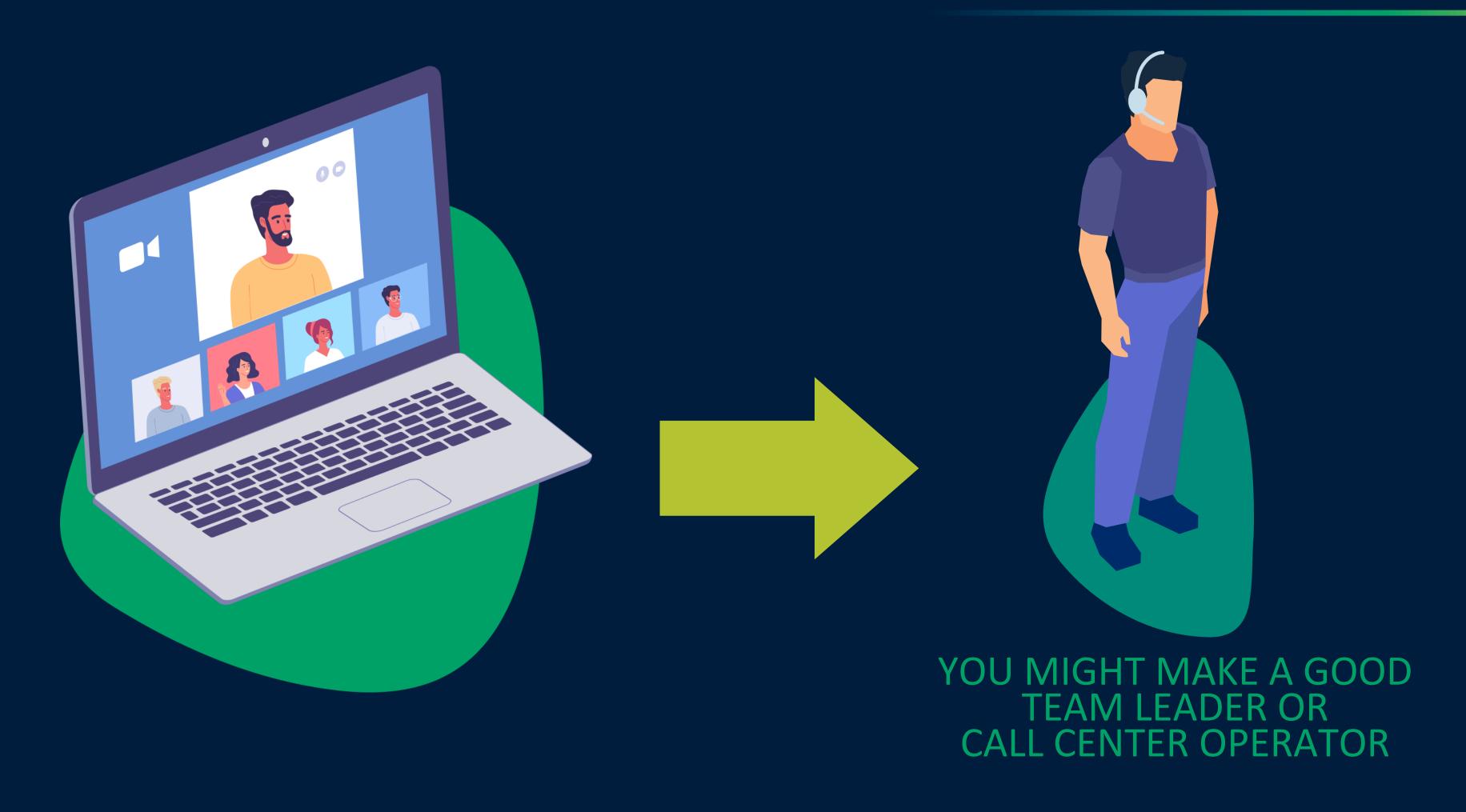


Do you like investigations and research?





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.





