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NUCLEAR.

**WHEN MOST PEOPLE HEAR THAT WORD,
A SLIGHT SENSE OF FEAR RUNS
ACROSS THE MIND. THOUGHTS OF NUCLEAR
EXPLOSIONS DURING WW2 AND THE
THREAT OF CONTINENTAL ANNIHALATION.
THE WORD COULD REALLY SPELL A CLEANER
AND MORE EFFICIENT AMERICA. THIS ATLAS
IS DESIGNED TO OPEN PEOPLE'S EYES TO THE
TRUE POWER OF NUCLEAR IN THE FORM OF
ENERGY AND WHAT MAKES IT THE ONLY
TRUE WAY FORWARD THAT SATISFIES THE
NEED FOR A CARBON-FREE AMERICA AND
STILL PROVIDES THE POWER THIS GREAT
COUNTRY NEEDS TO CONTINUE BEING THE
EXAMPLE FOR OTHERS TO FOLLOW.**

HIROSHIMA

A STARK CONTRAST.

A HUGE PART OF THE FEAR OF NUCLEAR IS THE FEAR OF WASTE AND RADIATION, BUT PEOPLE ARE ACTUALLY TWICE AS LIKELY TO DIE WORKING ON A WIND TURBINE AND NEARLY FIVE TIMES AS LIKELY TO DIE INSTALLING SOLAR PANELS ON A ROOF THAN TO DIE WORKING WITH NUCLEAR ENERGY.



MORE THAN DOUBLE THE SIZE OF THE BIGGEST NUCLEAR POWER PLANT EXPLOSION

SAME NAME, DIFFERENT WAR

THE MAJORITY OF PEOPLE DON'T REALIZE THAT A NUCLEAR EXPLOSION IS A VERY HARD FEAT TO ACHIEVE. LOTS OF TIME, SCIENCE AND ENGINEERING GO INTO CREATING THAT CLASSIC MUSHROOM CLOUD WE SEE. A NUCLEAR REACTOR IS AN ENTIRELY DIFFERENT MACHINE DESIGNED FOR A COMPLETELY DIFFERENT PURPOSE, AND IT IS PHYSICALLY IMPOSSIBLE TO GET A NUCLEAR EXPLOSION FROM A NUCLEAR POWER PLANT.



LEVELS OF RADIATION

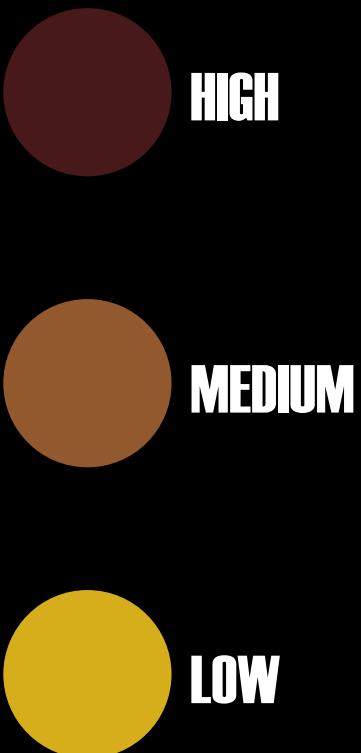
ALWAYS A REASON.
THE REACTORS AT CHERNOBYL WERE OF RUSSIAN DESIGN AND HORRIBLY UNSAFE. THIS REACTOR DESIGN WAS OLD AND OUTDATED AND HAS NEVER BEEN USED IN THE U.S., WHICH HAS MUCH SAFER AND NEWER REACTORS. CHERNOBYL WAS ALSO SHORT-STAFFED THE NIGHT OF THE DISASTER AND THE TEAM ON HAND WAS INEXPERIENCED.

CHERNOBYL
1986

FUKUSHIMA



LEVELS OF RADIATION



ALWAYS A REASON.

IN 2011, THE WORST MODERN NUCLEAR DISASTER OCCURRED WHEN THE FUKUSHIMA POWER PLANT WAS HIT BY AN EARTHQUAKE AND SUBSEQUENTLY STRUCK BY A TSUNAMI. EVEN AFTER ALL THAT, THE COURT RULED THAT THE REASON IT TRULY FAILED WAS DUE TO POOR MANAGEMENT.

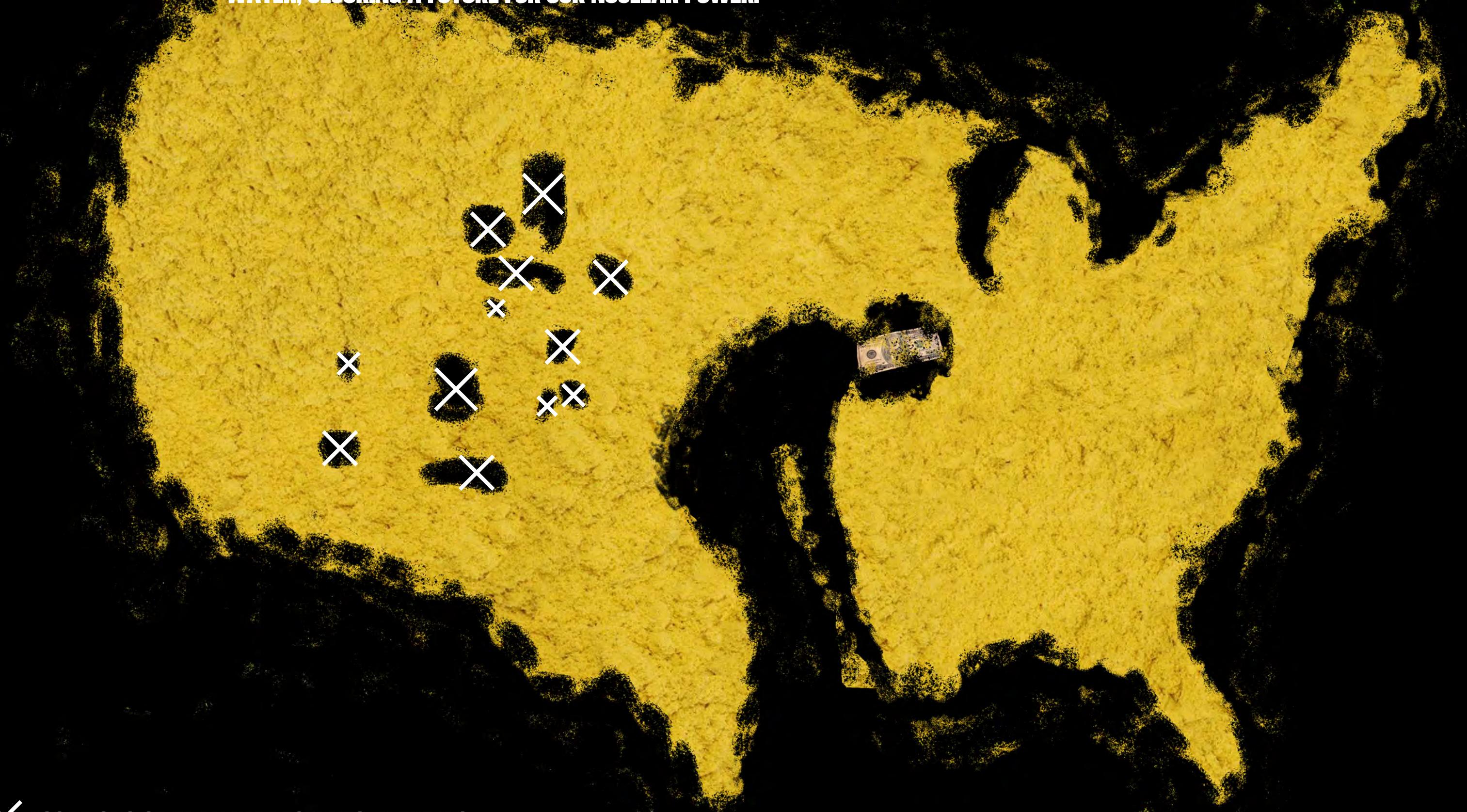
NATURAL GAS POWER PLANT LOCATIONS.

ENERGY CONSUMPTION IN THE U.S.

1900

2000

RESERVES ALTHOUGH THE U.S ONLY RANKS 10TH IN URANIUM RESERVES, WE CURRENTLY HAVE SCIENTISTS RUNNING EXPERIMENTS ON HOW TO PULL URANIUM OUT OF SEAWATER, AND IN 2018 WE WERE ABLE TO PULL THE FIRST SIGNIFICANT AMOUNT OF URANIUM OUT OF THE WATER, SECURING A FUTURE FOR OUR NUCLEAR POWER.



LOCATIONS OF URANIUM RESERVES IN THE U.S.

GERMANY, AFTER PUSHING A HEAVY SOLAR AND WIND FRONTIER, ONLY PRODUCES 45% OF ITS ENERGY CLEANLY, WHILE FRANCE, AFTER SWITCHING HEAVILY TO NUCLEAR, PRODUCES ALMOST ENTIRELY CARBON-FREE ENERGY.

30
GERMANY

CENTS PER KWH

18
FRANCE



RANGE

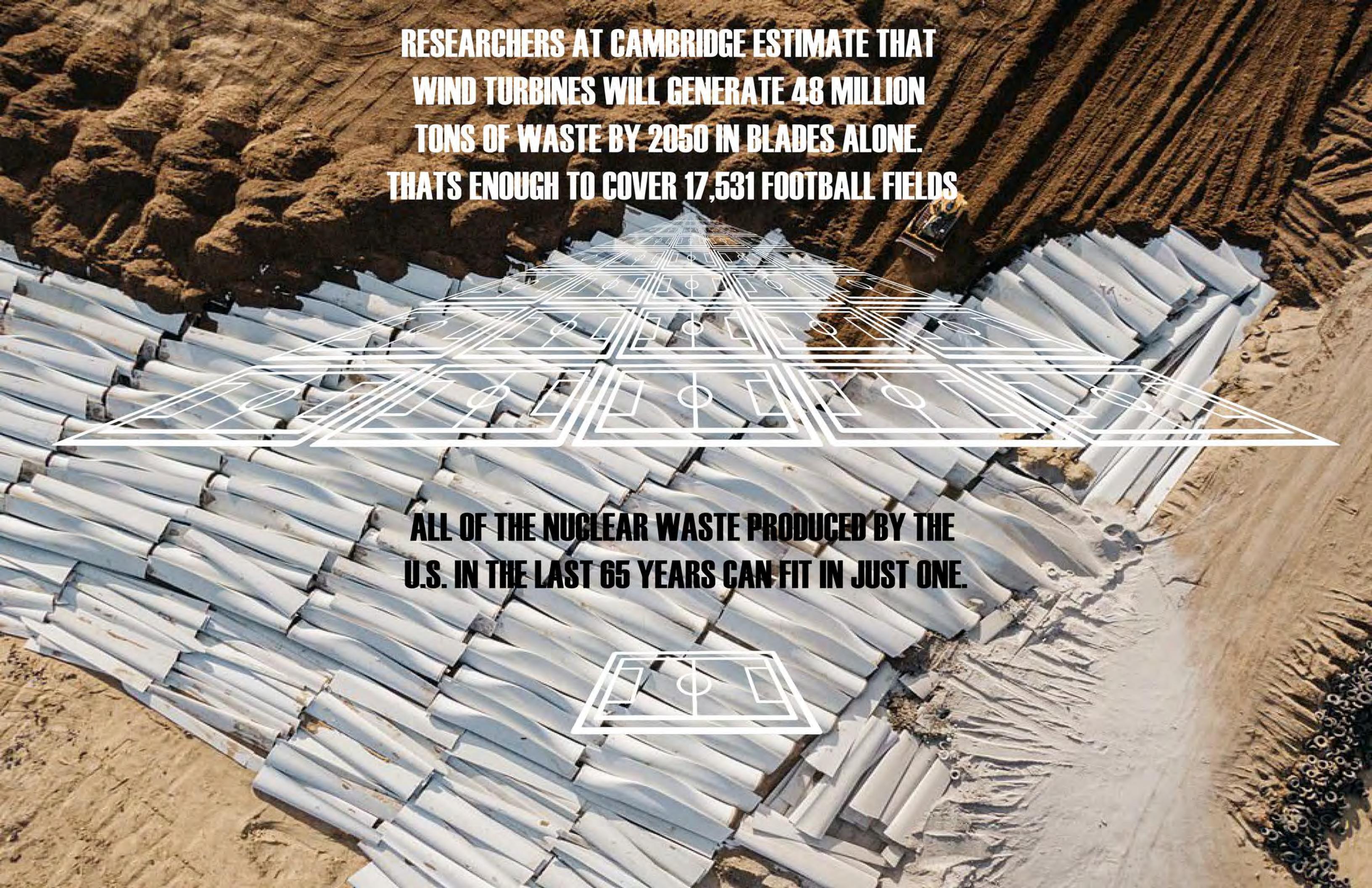


ACRES OF LAND NEEDED FOR A NUCLEAR POWER PLANT

ACRES OF LAND NEEDED BY SOLAR TO MATCH THE POWER

2077 wind Turbines are required to produce the same amount of energy a single nuclear power plant





**RESEARCHERS AT CAMBRIDGE ESTIMATE THAT
WIND TURBINES WILL GENERATE 48 MILLION
TONS OF WASTE BY 2050 IN BLADES ALONE.
THAT'S ENOUGH TO COVER 17,531 FOOTBALL FIELDS**

**ALL OF THE NUCLEAR WASTE PRODUCED BY THE
U.S. IN THE LAST 65 YEARS CAN FIT IN JUST ONE.**

20



MINING

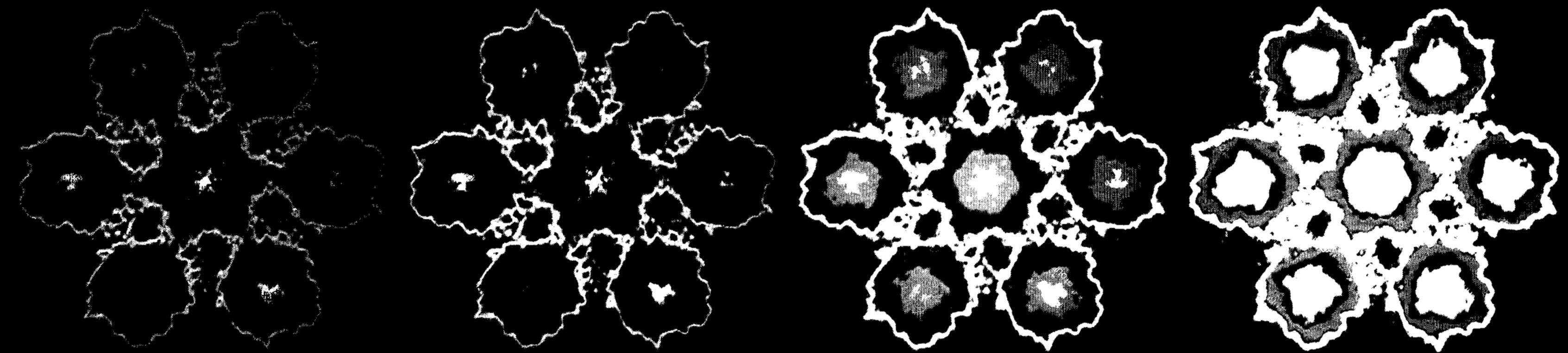


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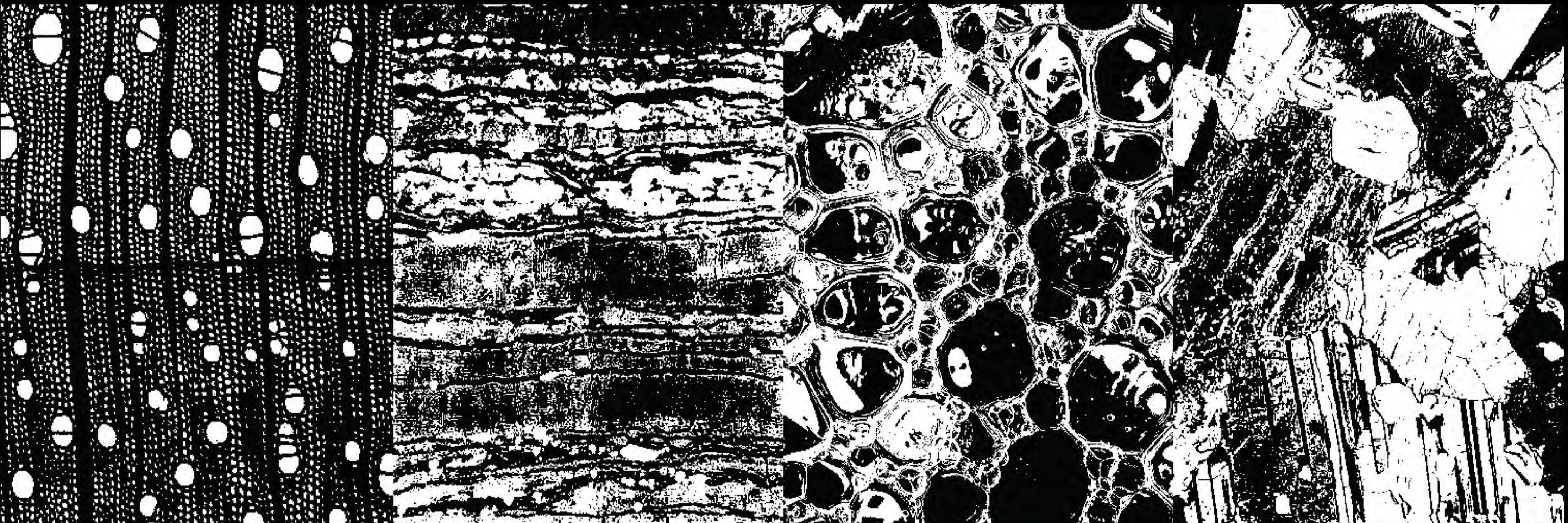


PURIFYING

URANIUM UNDER A MICROSCOPE.



TIMELINE OF FUEL.



PROPOSITION

ILLINOIS HAS THE MOST NUCLEAR POWER PLANTS OUT OF ANY STATE. IF IT WERE A COUNTRY, IT WOULD BE THE 12TH LARGEST NUCLEAR POWER SOURCE IN THE WORLD. 88% OF ITS POWER IS CARBON-FREE AND DUE TO HAVING SO MANY NUCLEAR REACTORS, IT HAS MORE ENERGY THAN IT COULD USE AND THUS EXPORTS ELECTRICITY TO OTHER SURROUNDING STATES. ILLINOIS IS ALSO A KEY ENERGY HUB FOR THE NATION, WITH OVER A DOZEN NATURAL GAS PIPELINES AND NATURAL GAS CENTERS, ALONG WITH MANY PETROLEUM PRODUCT PIPELINES, AND A LARGE OIL PORT.



THE PROPOSITION IS TO OPEN TWO MORE NUCLEAR POWER PLANTS IN ILLINOIS, COVERING MORE THAN THE 12% BY FOSSIL FUELS, TAKING ON AS MANY WORKERS FROM THE OLD PLANTS AS POSSIBLE. AFTER THIS, STUDIES SHOW THAT ENERGY COSTS WILL DROP FOR STATE RESIDENTS DUE TO THE MASSIVE ENERGY SURPLUS AND LOW COSTS TO RUN NUCLEAR POWER PLANTS. SOON AFTER, ILLINOIS WILL BECOME A MASSIVE ENERGY SUPPLIER FOR SURROUNDING STATES, BRINGING EVEN MORE MONEY TO THEIR ECONOMY, AND DESTROYING THE FEAR ASSOCIATED WITH NUCLEAR ENERGY.

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