RWE

Storing Renewable Energy Safely & Efficiently

Storing energy from wind and solar is safe and affordable — and it contributes to public health.

Battery energy storage systems play a crucial role in modernizing power grids by providing flexibility, reliability and improved integration of renewable energy sources. Expertise, experience and technology ensure that energy storage facilities are safe and bring long-term benefits to public health.



At RWE, we place the utmost priority on the health and safety of workers, landowners and communities. **We remotely monitor all of our energy storage installations**, using the most sophisticated technology. We comply with all relevant codes in the construction, installation and operation of our energy storage sites and deploy best practices for fire avoidance and suppression. If an incident does occur, RWE will be ready to respond quickly and effectively.



Renewable energy sources do not release toxic chemicals into the air or water, unlike fossil fuels. Less air pollution can reduce the rate of stroke, heart disease, lung cancer, asthma and other diseases.¹ Energy storage is an important part of how we can contribute to a cleaner grid for a safer environment.²



The RWE team brings together market, system and technical expertise to deliver safe and effective battery storage solutions that complement renewable energy generation. Because batteries are used throughout our daily lives, the technology is well understood, well vetted and highly regulated.

~10 Years

RWE has a track record of **nearly a decade** in building, operating and maintaining safe energy storage facilities.

1 GWh

RWE has about **1 gigawatt hours in renewable energy** storage projects in place or underway around the world.

580

More than 580 utility-scale battery energy storage projects are operating in the U.S.³

5X

Battery energy storage system capacity is likely to quintuple between now and 2030.⁴

Our Commitment to Public Health & Safety

Beyond providing **ongoing team training, 24/7 monitoring** and emergency response if needed, RWE has the following protocols in place to ensure our energy storage facilities remain safe and secure at all times.

• We use only third-party-tested components and systems that are internationally certified.

- We conduct rigorous pre-installation testing.
- We have UL certification and follow codes and standards from the National Fire Protection Association.
- We train local fire departments on how to navigate our facilities and systems.
- We build our systems with temperature sensors and management to prevent overheating.

About RWE

RWE is one of the largest global players in renewable energy. In the U.S., RWE operates a portfolio of 9+ GW installed capacity of onshore wind, solar and battery storage and is a preferred partner for communities, offtakers and suppliers. Learn more at: **<u>americas.rwe.com</u>**

- 1. Ambient (Outdoor) Air Pollution" | World Health Organization
- 2. "Energy Storage Important to Creating Affordable, Reliable, Deeply Decarbonized Electricity Systems" | MIT News
- 3. "U.S. Grid Energy Storage Factsheet" | Center for Sustainable Systems
- "Enabling Renewable Energy With Battery Energy Storage Systems" | McKinsey
- Sourced throughout: "Fact Sheet: Energy Storage (2019)" | Environmental and Energy Study Institute