

2022 ARIZONA CLEAN ENERGY JOBS & ECONOMIC IMPACT REPORT

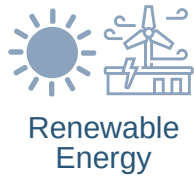


Arizona's corporate sector, in partnership with utilities, is driving demand for clean energy — setting carbon emission goals and developing strategies to reach them. As a result of this cross-industry trend, clean energy has moved from a corporate differentiator to “the price of entry”. This effort is as much financially-driven as emissions-driven.

According to an October 2022 report by Deloitte, “after an 85% cost decline over the past decade, solar photovoltaic (PV) systems are among the most cost-competitive energy resources in the market”. Not surprisingly, the Clean Energy Buyers Association said 2021 broke records for renewable energy corporate procurements.

In fact, over 25 prominent Arizona companies signed an August 2021 letter to the Arizona Corporation Commission stating, “we have an opportunity to make Arizona's economy more robust and resilient by investing in clean energy technologies”. Two specific examples include Owens-Corning, which has a 2030 goal to source 100% renewable energy, and Microsoft, with the goal of becoming a carbon negative, water positive, and zero waste company by 2030.

AZ CLEAN ENERGY JOBS = 59,383



11,497



3,981



Energy
Efficiency

41,271



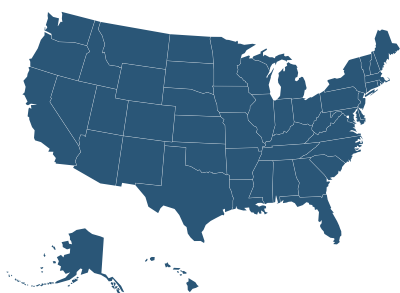
2,280

Clean Energy Employment

#19 Total in the Nation

#6 Solar Employment

5.1% Job Growth 2021



National Clean Energy Jobs = 3,201,602

Energy Efficiency	Renewable Energy	Grid & Storage	Clean Vehicles
2,164,914	515,248	143,052	339,291

Arizona

RENEWABLE ENERGY ECONOMIC BENEFITS

\$15 billion



Capital invested in wind, solar, and energy storage projects

\$26.7 million

Annual property, state, and local taxes paid in Arizona via renewable energy projects

\$20.6 million

Annual income to farmers, ranchers, and other private landowners via drought-proof land lease payments

Spotlight:

ENERGY STORAGE- AN EMERGING CLEAN ENERGY SUB INDUSTRY

Ranked 5th in the nation for installed solar energy and 9th for potential solar growth over the next five years, Arizona is also a recognized leader in electric vehicle (EV) manufacturing. These growing industries well-position the state to benefit from the economic opportunities of an emerging and innovative energy storage industry.

Adding energy storage to energy generation facilities improves the stability of the electrical grid, enhances energy security, and limits spikes in demand, among other benefits. Storage for solar and wind energy, in particular, allows them to be utilized as 24/7 energy sources. This added value, in addition to the already low cost of solar energy, is generating significant capital investments from utilities across the Grand Canyon State.

The rapidly-growing EV industry has seen sales double nationally over the past year, with new manufacturing facilities announced across the country. Arizona is home to many EV manufacturers, creating a major supply chain opportunity, and within the last few years, the state has attracted battery manufacturing facilities as well as battery recycling facilities that will capture lithium and other minerals for reuse.

Recent Arizona Energy Storage News:

Utility Battery Investments:

- SRP added two large-scale battery energy storage systems (BESS), bringing SRP to 800MW of energy storage by 2024.
- According to TEP's resource plan, it intends to have 1,450MW of battery storage by 2035.
- APS plans to add 850 megawatts of battery storage by 2025

EV Battery Manufacturing:

- Kore Power: 3,000 jobs (Buckeye Valley)
- Sion Power: 100+ jobs (Tucson)

Battery Recycling:

- Heritage Battery Recycling: 110 jobs (Eloy)
- Li-Cycle: 40 jobs (Gilbert)



Key Sources:

1. [E2: Clean Jobs America 2022](#)
2. [American Clean Power: Clean Power Arizona](#)
3. [Solar Energy Industries Association: Arizona Solar](#)

To access resource links, visit chambersforinnovation.com/arizona-jobs-report