

Investment from the clean and renewable energy sector has been significant in Arizona with the passage of the Quality Jobs Through Renewable Industries program that allows companies making new investment in manufacturing and/or headquarter operations in renewable energy industries eligible for a refundable corporate income tax credit up to 10% of the capital investment and an 80% reduction in real and personal property taxes.

Since its implementation in 2010, this new program is responsible for the investment of 14 new renewable industries companies, creating 6,300 net new jobs and generated \$1.82 billion in capital investment in Arizona making the state #1 in the nation for renewable energy as noted by Business Facilities magazine.

### **Gilbert-Based Investment**

With the Arizona Corporation Commission requiring that all regulated utilities produce 15% of their electricity from renewable sources by the year 2025, Gilbert, Arizona, is in an advantageous position to see substantial job creation in its high-growth, high-demand sustainability and diversified energy sectors.

Headquartered in Gilbert, **Heliae Development, LLC**'s facility develops, designs, and delivers technology solutions that enable sustainable, industrial-scale production of food, fuel, and bio-chemicals from algae.

As innovators and integrators of technology, Heliae's processes help companies worldwide convert free sunlight and industrial waste-streams into the affordable, renewable food and drop-in transportation fuels. Heliae recently expanded its research and production facility through a partnership with Gilbert on a 20 acre lease of community-owned property.

Heliae founder, Frank Mars, attributes the organization's selection of Gilbert to the proximity of Arizona State University and the partnership and support the company has received from Arizona State University and the Science Foundation of Arizona.

**REV Biodiesel**, a division of Pure Earth Energy Resources, LLC, produces 40,000 gallons of B99 biodiesel fuel per day. Total annual production will eventually reach 10 million gallons per year with the opportunity for 30 million gallons a year at full production making it the largest biodiesel production facility in the state.

Headquartered in Gilbert since 2005, **Diversified Energy Corporation** is a privately held, alternative and renewable energy company focused on developing commercial energy projects and providing engineering services support to project developers. Principal areas of expertise include gasification, biofuels, next-generation feedstocks, and bioenergy-related economic modeling and commercialization planning.



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state in the nation for  
renewable energy**

### **Educational Assets**

Arizona is home to the nation's only photovoltaic testing laboratory at **Arizona State University Polytechnic**. The most comprehensive, sophisticated, state-of-the-art facility in the world for testing and certification of solar energy companies' equipment advancing solar energy research, education and technology.

The Arizona State University Polytechnic campus also offers access to one of the nation's top forward-thinking programs at the College of Technology and Innovation. The college houses research and development facilities in many sectors, including clean and renewable energy, featuring:

- Advanced Technology Innovation Center
- Laboratory for Algae Research and Biotechnology
- Vocational Training and Education for Clean Energy
- Fuel Cell Laboratory

### **Greater Phoenix Region Solar Power Advantages**

- Home to the world's two largest solar companies: **First Solar and Suntech**.
- More than 100 established solar companies operate in Arizona.
- Top two market for concentrated semiconductor workforce relative to total employment.
- Solana, a 280-megawatt concentrating solar power plant is the largest such project on private land in the U.S.
- Arizona is home to the largest photovoltaic array on U.S. government land with a 15-megawatt plant under construction on an existing air force base.