



## ***Facts-at-a-Glance***

**Business Name:** BiAmerican Biomass Energy

**President/CEO:** Rick Rutledge

**Mission:** BiAmerican Biomass Energy (BBE) is dedicated to the advanced production of renewable fuels, environmental preservation, energy independence, and the reduction of energy costs.

**Company Overview:** BBE is a California supplier of bioethanol, biodiesel, biodiesel blends, and other future biofuel energy products. The company operates the most technologically advanced processing system in the US, and has established one of the most comprehensive biodiesel distribution networks on the Central Coast.

BBE specializes in agri-waste by-product processing and reduction—turning waste from fruits, vegetables, and cellulose processing into clean, environmentally friendly products.

**Current Clients:** SoilFume Fumigation, Watsonville, CA  
WellPict Berries, Inc, Watsonville, CA  
Navarro Farms, Watsonville, CA  
Anacapa Foods, Oxnard, CA

**Website:** [www.biambiomass.com](http://www.biambiomass.com)

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## ***Company Backgrounder***

Rick Rutledge, CEO and president of BiAmerican Biomass Energy (BBE), first envisioned creating an alternative energy company in the early 1990s. He created BBE in 2006 as a company dedicated to the production of renewable fuels, with the mission of preserving the environment and freeing our nation from imported energy. BiAmerican has rapidly become known to industry leaders and recognized by leading local businesses as a source for environmentally sound and economically sustainable alternative energy products. Currently those products include bioethanol, biodiesel, and biofuel, and are available to commercial and wholesale enterprises. Production of these products occurs at inter-connected portable facilities, mid-sized satellite plants, and large distribution centers.

Headquartered in the heart of the Salinas Valley on California's Central Coast, this privately held company is expanding production facilities throughout the state. Currently, production facilities are slated for development in Napa Valley, Riverside, Oxnard, and Castroville, California. Due to the company's unique formula for creating energy from agri-waste, US expansion plans are targeted towards coastal regions throughout the nation.

BBE's unique formula utilizes the abundance of agri-waste, also referred to as biomass, to create bioethanol, biodiesel, and general biofuel energy products, all while boosting revenue potential by selling additional by-products to specific industries. The production of bioethanol and biodiesel offer consumers alternative energy sources to traditional and increasingly expensive fossil fuels. The company also plans to offer biofuels or blended products, some of which will be developed for hydrogen, and for use in commercial ventures such as generators, heating, and agricultural pumping stations.

BBE offers a sustainable energy source that can be locally produced and managed. The company's comprehensive production model transforms abundant agri-waste into a powerful source of energy and marketable byproducts. Committed to providing superior customer service, up-to-the-minute industry expertise, and fuel that meets the highest standards of quality, BiAmerican Biomass Energy is positioned to become the nation's leading source of renewable fuels.

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***Biography of Rick Rutledge  
CEO & President***

The CEO and president of BiAmerican Biomass Energy (BBE), Rick Rutledge, and his innovative ideas and background in technology and agriculture consulting were the driving forces behind the creation of BiAmerican Biomass Energy. Born and raised in Bakersfield, California, Rutledge moved to Salinas, California, to work in computer electronics and telecommunications in 1995. As a hobby in his Salinas home, Rutledge conducted preliminary research on alternative energy sources.

Rutledge saw a need for more alternative energy options as gas prices fluctuated in his own community and most of the US experienced the uncertainty and economic consequences of dependence on foreign oil. With these problems in mind, Rutledge created a company focused on use of local biomass energy sources, such as agri-waste from local farms, to create an environmentally friendly and cost-effective local energy source.

Rutledge is also the owner and technical engineering consultant for T.R. Electronics, LLC in Salinas, providing services to local agricultural companies. Prior to starting T.R. Electronics, he served as information services director for Harbor Electronics in Santa Clara, California, and worked as a computer and technical support instructor at Data Train and Central Coast College.

While at Data Train, Rutledge prepared and presented seminars on computer support and networking basics to students at the Naval Post-graduate School, Defense Language Institute, and the Fleet Numerical Meteorology and Oceanography Center in Monterey, California. He was instrumental in developing curriculum at these institutions as well as at the Central Coast College, where he provided hands-on demonstrations, laboratory instruction, and curriculum development.

Rutledge is a Microsoft Certified Professional and received education in electronics from the U.S. Navy from 1981-1990. He resides with his wife in Salinas, California.

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**What is BiAmerican Biomass Energy?**

BiAmerican Biomass Energy (BBE) was developed in 2006, after years of research, in the Central Coast town of Salinas, California, with the main goal of developing biomass-based fuel products. The company now offers bioethanol, biodiesel, and biofuel products to commercial and wholesale enterprises as an environmentally sound and economically sustainable alternative to energy from fossil fuels.

**Where is BiAmerican Biomass Energy located?**

BBE is headquartered in Salinas, California with production facilities in Castroville, California. Areas slated for development are Napa Valley, Riverside, and Oxnard, California. Due to the company's unique formula for creating energy from agri-waste, US expansion plans are targeted towards coastal regions throughout the nation.

**What products does BiAmerican offer?**

BBE offers bioethanol as an alternative to gasoline, biodiesel as an alternative to diesel fuel and, in the near future, hydrogen. The company will also offer biofuels or blended products, some of which will be developed for hydrogen use in generators, heating, and agricultural pumps. Specialty products include portable (passive or active), self-contained *Biofuel* fueling stations or power and communications platforms. These fueling/power stations give companies a portable fueling service for remote equipment, emergency services, power, and communications via radio/satellite uplink feeds.

**What are bioethanol, biodiesel and biofuels?**

Biofuels are energy sources derived from organic materials such as fruits, vegetables, algae, and landscaping waste (all biomass). Biofuels include bioethanol and biodiesel products. Biodiesel serves the same purpose as diesel fuel, but is composed of a clean-burning alternative derived from biodegradable, nontoxic organic materials. Bioethanol is generally derived from agricultural products and can be used as a cleaner alternative to gasoline or as an additive to gasoline.

**How is BiAmerican's bioethanol different from ethanol derived from corn?**

Ethanol can be produced from a variety of agricultural products and other organic materials, however agricultural products differ in chemical make-up. BBE's process of producing ethanol from certain fruits rather than corn produces a more powerful energy source.

**Is the production process safe?**

BBE's production process is non-toxic and produces a safe and effective energy product that is cleaner than energy derived from fossil fuels.

**What makes BiAmerican Biomass Energy's products environmentally friendly?**

Compared with conventional unleaded gasoline, biofuel is a cleaner burning fuel source that combusts cleanly to form carbon dioxide and water. BBE utilizes agri-waste

products that would otherwise be composted to produce its biofuel products. The process takes organic waste and converts it to a sustainable energy source with valuable by-products and no depletion of natural resources, as is the case with fossil fuels.

### **Are BiAmerican Biomass Energy products affordable?**

BBE offers energy products at or below the current market rate and the rate remains the same throughout the duration of client contracts. The price of BBE products will not change with market fluctuations like oil prices. Customers can count on a fixed price every month, with the energy source on-site via BBE's portable systems. Service is included in contracts and is available 24 hours a day, 7 days a week.

### **What are some of BiAmerican's non-profit and business affiliations?**

Salinas Valley Chamber of Commerce  
Pajaro Valley Chamber of Commerce  
Watsonville Chamber of Commerce  
Biodiesel Magazine and Bulk Oil forum

### **Where can I find more information about BiAmerican Biomass Energy?**

Visit our website at <http://www.biambiomass.com/> for more information.

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**Agri-waste** – Agri-waste or agriculture waste is produced as a result of various agricultural operations. It includes manure and other wastes from farms, poultry houses, and slaughterhouses. Harvest waste, fertilizer run-off, pesticides that enter water, air, or soils, and salt and silt drained from fields are also considered agri-waste.

**Biodiesel** – Biodiesel is a diesel-equivalent, processed fuel derived from biological sources. It is a processed fuel that can be readily used in diesel engine vehicles, which distinguishes biodiesel from the straight vegetable oils (SVO) or waste vegetable oils (WVO) used as fuels in some modified diesel vehicles.

**Biodiesel Blend** – Biodiesel blends contain petroleum diesel blended in any ratio of biodiesel, from additive levels to 100 percent biodiesel.

**Biofuel** – Biofuel is any fuel that derives from biomass—recently living organisms or their metabolic byproducts, such as manure from cows. Like coal and petroleum, biomass is a form of stored solar energy. The energy of the sun is captured through the process of photosynthesis in growing plants.

**Biomass** – Biomass is organic non-fossil material. In other words, biomass describes the mass of all biological organisms, dead or alive, excluding biological mass that has been transformed by geological processes into substances such as coal or petroleum.

**Bioscience** – Bioscience or biology is the study of any of the branches of natural science dealing with the structure and behavior of living organisms.

**By-product** – A by-product is a secondary or incidental product deriving from a manufacturing process or chemical reaction, and is not the primary product or service being produced.

**Ethanol** – Ethanol, also known as ethyl alcohol or grain alcohol, is a flammable, colorless chemical compound, most often found in alcoholic beverages. There are three main areas of use for ethanol—industrial, beverage, and fuel—and the production processes vary slightly for each of them, but the main steps are the same. The vast majority of ethanol produced in the United States is used for fuel. It is blended with gasoline to increase the fuel blend's octane or to produce a cleaner burning fuel.

**Renewable Energy** – Renewable energy is from an energy resource that is replaced rapidly by a natural process such as power generated from the sun or from the wind.

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