

Build your **biomass** business in **Ohio**

Create biomass energy solutions utilizing Ohio research and development and waste fuel resources.

Ohio offers limitless opportunities for the next stage of the biomass industry. Combining a broad spectrum of renewable biological-based waste resources with the technology capabilities of an emerging biorefinery sector, Ohio has the competitive edge for U.S. biomass business investment. With agriculture and food processing as two of Ohio's largest industries, supply for biomass is unlimited. Eight biorefineries throughout the state are available to meet conversion demand.

Overall, Ohio ranks No. 11 in the nation for total measurable biomass. Anaerobic digestion, appropriate for 30 percent of Ohio's biomass, conservatively would generate 27.6 billion kWh, meeting the needs of 2,758,000 homes. Through the help of programs such as the Ohio Biomass Energy Program and the Ohio BioProducts Innovation Center, Ohio is an ideal location for companies investing in biomass energy alternatives.



Experience the benefits of choosing Ohio for your biomass business.

Leverage Ohio's public-private commitment to global leadership in advanced energy.

Ohio's government leaders signed into law an Advanced Energy Portfolio Standard (AEPS) that requires at least 25 percent of new electricity sold in Ohio to be generated from advanced energy technology by 2025 – with a minimum of 12.5 percent from renewable energy resources. Ohio has formed an Agriculture to Chemicals, Polymers, and Advanced Materials Task Force that is studying ways to further interactivity between these key industries including maximizing biomass energy production.

Apply outstanding technology developed in Ohio. Ohio's manufacturers, research institutions and universities provide limitless partnership opportunities for the development of innovative biomass technology. The Ohio Agricultural Research and Development Center plays a leading role in biomass energy conversion study, and the U.S. Department of Energy and the Department of Agriculture also partner in Ohio biomass research. The Public Utilities Commission of Ohio advocates for biomass power source application within the electric industry.

Reduce costs through easy access to supply chain partners and profitable markets. Ohio is within 1,000 kilometers of all major U.S. and Canadian manufacturing locations and is home to two ports, river, rail and interstate highways linking all North American and global markets. Among waste stream potential power sources, urban wood waste in Ohio ranks 11th

in the nation, while forest residues rank 32nd. Agricultural residues rank ninth among U.S. states and Ohio is ranked seventh in the nation in energy crop production.

Optimize production by leveraging Ohio's world-class advanced manufacturing excellence. Ohio's well-developed manufacturing infrastructure has proven capability that can support the biofuels industry. Ohio's opportunity is massive for producing scaleable energy systems that could integrate technologies for biological conversion of biomass from its \$79.6 billion agricultural and \$49 billion polymer and composites markets.

Maximize productivity, quality and profits with Ohio's skilled workforce. Ohio has a dedicated cluster of more than 60,000 specialized workers directly supporting the state's advanced energy industry. Ohio's total workforce of 5.9 million, among the largest in the nation, includes skilled talent in a labor pool of 775,000 manufacturing workers ready to grow your advanced energy business.

Attract and retain the best talent for your company. In Ohio your employees can achieve a perfect balance between their professional and personal lives. This helps increase both job satisfaction and commitment, allowing you to reduce employee turnover cost while attracting bright new talent to your workforce.

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The State of Perfect Balance

Locate your biomass energy business in Ohio, where you can achieve a state of perfect balance in business and personal endeavors.

Ohio is already home to growing biodiesel and ethanol production companies that can offer biorefinery solutions for biomass energy production:

- American Ag Fuels
- AS Alliances Biofuels, LLC
- The Andersons Marathon Ethanol, LLC
- Coshocton Ethanol, LLC
- Greater Ohio Ethanol, LLC
- PEC Biofuels
- Peter Cremer North America
- POET Biorefining

Companies in Ohio also enjoy the bottom line benefits that come from better employee work-life balance. Ohio offers low-cost, low-stress communities and a unique tapestry of micropolitan and metropolitan cities. This diversity provides executives and employees the resources and time to make any ambition achievable.

To learn more about Ohio's many outstanding companies participating in the biomass industry, or about establishing or expanding operations in Ohio:

Please call 1-877-466-4551

Or visit us at:

www.ohiomeansbusiness.com

Ted Strickland, Governor • Lee Fisher, Lt. Governor