

Community Energy is the Right Choice for the Environment



A Community Energy system is designed to use resources responsibly and protect the natural environment through conservation and sustainable practices. Community Energy providers benefit the customers and communities they serve by protecting the air, water, and land and through environmental stewardship and energy innovation.

Through innovation and efficiency, Community Energy can help to build a sustainable future.

- **Reduced Greenhouse Gas Emissions:** Community Energy systems reduce greenhouse gas emissions by utilizing waste heat and optimizing energy conversion processes. By aggregating the source of thermal energy used by multiple buildings within the system, a Community Energy plant can achieve significant emission reductions by reducing the use of fossil fuels and lowering the overall carbon footprint of the energy generation process.
- **Reduction of Energy Losses:** Centralized thermal energy production and distribution can result in fewer energy losses during transmission than individual building heating and cooling systems. This efficiency improvement contributes to lower overall energy consumption and less strain on primary energy resources.
- **Integration of Renewable Energy:** Community Energy systems can easily integrate renewable energy sources such as solar thermal, geothermal, and biomass. These sources can provide a portion of the heat needed for the Community Energy system, reducing reliance on fossil fuels and lowering emissions.
- **Waste Heat Recovery:** By capturing and reusing waste heat, Community Energy reduces the need for additional energy consumption and decreases the environmental impact of waste heat release.
- **Peak Load Management:** With a central production plant, Community Energy systems can effectively manage peak demand by distributing the load across various buildings and facilities. This helps prevent energy waste during periods of high demand, promoting energy efficiency and reducing strain on energy infrastructure.
- **Improved Air Quality:** By reducing the need for individual heating systems that burn fossil fuels, Community Energy systems contribute to improved local air quality. Decreased air pollutants and particulate matter can lead to health benefits for residents in the area.
- **Long-Term Resilience:** Community Energy systems can store excess heat or chilled water, providing resilience during disruptions to energy supply during extreme weather events or supply chain interruptions.



To learn more about Community Energy and its environmental benefits, contact a Akron Energy Systems representative at 330-374-0600 or info@akronenergysystemsllc.com



222 Opportunity Parkway, Akron, OH 44307
330.374.0600 | AkronEnergySystems.com