

Green Ways Overview

WOODWARD CONTINUES
ITS GREEN WAYS

TURBINE SYSTEMS

Controlling the Power of Energy



For environmental consciousness - in combustion, motion, fluid control, and electrical power, Woodward brings our customers environmentally focused solutions with system-level and plant-level thinking.

Green Ways | WOODWARD CONTINUES ITS GREEN WAYS

Once known as the “green” governor company, Woodward continues to create and integrate environmentally sustainable solutions, including ground breaking technology and innovative eco-friendly practices to reduce our customers’ engine and turbine emissions and our own businesses carbon footprint.

REDUCING WOODWARD’S CARBON FOOTPRINT:



In keeping with the environmental principles outlined in Woodward’s Environmental Health & Safety policy, a new single-stream recycling program was implemented at Woodward’s US-based plants. With the enhanced recycling program, more materials can be recycled than before and better yet, it is easy for members to use. With single-stream recycling, all recyclable materials – including plastic, glass, aluminum cans, newspapers, magazines, office papers, phone books, cardboard, and junk mail – are emptied into one recycle bin. The materials are sent to a recycling plant for sorting, baling, and transporting to processing plants across the country, where they are converted to usable items.

HELPING OUR CUSTOMERS REDUCE THEIR CARBON FOOTPRINT:

Across the company, Woodward invests in research and development that advance our ability to offer customers greater emissions reductions for their power equipment.. Whether through enabling CNG (Compressed Natural Gas) buses that help create a clean energy economy, or through components and systems that enhance diesel engine performance, Woodward’s clean energy technologies reduce harmful emissions and increase efficiency.

Woodward’s gas engine based Engine Control Units (ECUs) monitor and control the performance of each engine cylinder and adjust both fuel consumption and cylinder ignition timing to ensure best overall engine efficiency with lowest emissions achievable.



CONCYCLE Wind Turbine Converter





WOODWARD'S CONCYCLE® WIND TURBINE CONVERTER:

Woodward's evolutionary wind turbine converter technology and related product line, CONCYCLE®, controls and protects our customers' wind turbines while allowing them to keep both capital and repair costs low. In an effort to meet global demands, we now manufacture wind turbine converters in China, Germany, and the US, enabling us to serve our customers more effectively.

Woodward delivers lasting contributions to energy control, always innovating for a better future. We connect people within regions, countries, and continents, with intelligent, efficient systems and components that help ensure an environmentally friendly world.

ENERGY SAVING EFFORTS:

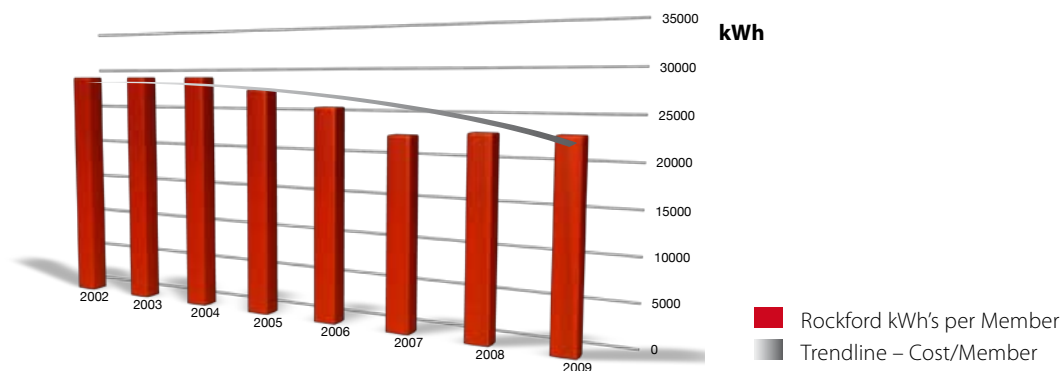
In addition, the US facilities have made significant improvements to lower their utilities costs by upgrading to more efficient lighting and replacing heating and air conditioning units with newer/higher efficiency units, and by reducing water usage. We have tracked our utility costs (kWh or CCF/member) over time, which demonstrates the success of our energy saving efforts.

SOLAR PANELS:

As a member of Climate Wise Colorado (an energy conservation organization), Woodward recently installed solar panels at its Fort Collins main manufacturing facility, saving over \$2,500 per year.

WOODWARD REDUCED THE AMOUNT OF WASTE:

Additionally, we found a source to purchase our used oils and fuels, which were previously shipped to a disposal facility. Now, Woodward is paid for the used oils and fuels (not classified as hazardous waste) instead of paying to dispose them. Consequently, Woodward reduced the amount of money spent to dispose of waste and reduced the amount of waste generated.



Woodward is an independent designer, manufacturer, and service provider of energy control and optimization solutions used in global infrastructure equipment. Our systems and components optimize the performance of commercial aircraft; military aircraft and other equipment; industrial gas, wind and steam turbines; reciprocating engines; and electrical power systems. The company's innovative fluid energy, combustion control, electrical energy, and motion control systems help customers offer cleaner, more reliable, and more cost-effective equipment.



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