



COLORADO
Energy Office

Don & Peggy Brown Farms Success Story

The Scenario

After generations of farming in Northeastern Colorado (Yuma) and wanting to conservatively use energy and water on their irrigated cropland, The Browns set off to find answers to their energy questions. They rotate crops to promote soil health, and with variable harvests, the opportunity for a variable frequency drive was intriguing. Through engaging with the Colorado Department of Agriculture ACRE3 program they discovered the Colorado Energy Office Agricultural Energy Efficiency (AgEE) program.

“It was a great opportunity to enhance the wise and conservative use of resources.”

- Don and Peggy Brown,
Farmers

Get Started Today

Keep the Colorado Agricultural Energy Efficiency program in mind when planning future upgrades and contact us at
CEO_AG_EE@nexant.com



Don and Peggy Brown Farms has numerous 200+ acre, pivot irrigated crop circles in Yuma County Colorado, which were installed in the 1960's. Working with the AgEE program created an opportunity to evaluate everything on the farm and figure out how they could save energy and money. With the help of the AgEE program, they have been able to lower energy bills by installing a high efficiency 300 horsepower irrigation pump motor and a variable frequency drive. In Don's own words, "It's certainly allowed us to do a better job of conserving not only energy, but water as well."

Project Snapshot

Facility Type

- Multiple 100+ acre irrigated crop circles

Improvements

- High Efficiency Motor
- Variable Frequency Drive

Project Completion Date

- May of 2019

Energy Savings

- \$2,600 per year