

Deardorff

FAMILY FARMS

Sustainable Farming for a Healthier Life!

DEARDORFF
FAMILY FARMS
IS COMMITTED TO

energy & atmosphere



About

We are committed to energy efficiency because it reduces our costs and improves atmospheric environmental conditions. We used a combination of solar energy, high energy-efficient building design and other innovative technologies in order **to reduce our energy consumption by over 50%**. This reduction significantly reduces our carbon footprint and resulted in significant LEED points being awarded to our building.



Energy

50% OVERALL ENERGY
REDUCTION



Solar Power

24 MILLION
POUNDS
of carbon dioxide offset by solar



SOLAR POWER

We are powered by the Sun – from the photosynthesis in our crops to the solar energy used in our facility. Our solar system has 1,368 panels producing 625,860 kWh that offsets over **41% of our electricity use**. The system is so clean it will offset over 24 million pounds of carbon dioxide – which is like removing **2,250 cars** from the road or **planting 275,000 trees**.



EQUIPMENT & INDOOR FACILITY

Technology drives energy efficiency. We used state-of-the-art LED lights throughout the entire building, which led to an **80% reduction** in our energy requirement for lighting. Our innovative design also included variable frequency drives to electronically reduce energy use, high efficiency cooler equipment to maximize efficiency, and high-speed doors to keep the cold in and heat out. We also custom designed a vertical docking system that secures our cold-chain and eliminates energy loss.



BUILDING MATERIALS

Insulation and heat reflection lead to energy efficiency. We designed the building with heat-reflecting panels on the exterior walls and roof, which gave it a “cool roof” rating. These same panels are also fully insulated with a high R-value to allow for better regulation of temperatures inside our coolers, warehouse, and offices.

