

A HEALTHY HARVEST OF ENERGY SAVINGS

A blend of SEM and capital projects reaps rewards

Lamb Weston®

Project Overview

In 2023, the Lamb Weston vegetable processing plant in Paterson, WA completed several efficiency projects with Benton REA and Energy Smart Industrial. The plant completed a 2-year Strategic Energy Management (SEM) engagement, installed a VFD air compressor and cycling refrigerated dryer, installed VFDs on many pumps throughout the plant, and upgraded a pneumatic conveying system to a mechanical conveying system.



Lamb Weston received nearly \$68,000 in rebate incentives from Benton REA.

Optimized Settings

The plant identified the low-cost opportunity to raise the freezer suction pressure. This allows the refrigeration compressors to use less energy without impacting the space temperature.

Upgraded Compressor System

The plant installed a VFD compressor that improved part-load efficiency and an air dryer that cycles on/off based on demand.

Added Pump VFDs

As part of plant-wide electrical upgrades, the plant installed VFDs on many pumps that had previously been throttled and ran continuously at full speed.

Annual Results



830,800 kWh
First Year Savings



\$41,500
Avoided Energy Cost



386 Tons CO₂
Scope 2 Emission Reduction