Project Showcase: Tillamook (Tillamook PUD)

Tillamook County Creamery Association

Energy Savings Projects 2019

Projects Implemented

1. Installed Variable Frequency Drives (VFDs) on:
   - Beta Vacuum Pumps
   - Tower Vacuum Pumps
   - Evaporator Fans
   VFDs allow a motor to run at a slower speed.
   This allows for more precise control of the process.
   A fan that was drawing 10 hp at 100% speed may now only draw 4 hp at 70% speed.

2. Installed a Logic Control System on the South Refrigeration System
   This Control System optimizes the operation of the refrigeration system by allowing for greater control by plant technicians.

3. Designed and Installed Photo Eyes to reduce compressed air usage in packaging
   Photo Eyes were installed to only blow when there is product on the packaging line.
   A timer will turn off compressed air once all product has passed. Compressed air is a very expensive utility.
   Reduction of compressed air usage will greatly save energy.

1,191,905 kWh Annual Energy Savings
$63,000 Annual Avoided Cost
141 Pacific Northwest Homes' Annual Energy Use

What ideas do you have to save energy?

CONTACT
Cory Slaughter, Associate Process Engineer

Members of the Tillamook County Creamery Association Energy Team:
- Deebo Cassell, Maintenance Supervisor
- Justin Knecht, Corporate Environmental Manager
- Cory Slaughter, Associate Process Engineer
- Dave Woych, Quality Assurance Manager
- Ray Veach, Maintenance Supervisor
- Ryan Gerley, Maintenance Manager