

Business and Project Description

Del Gould Meats has been a family owned and operated supplier since 1941. They've grown from their beginnings as the independent butcher in the back of grocery store to now providing their quality meats to restaurants, institutions, clubs and families. Del Gould is proud of the quality of their meats, they operate five days a week and employs 12 workers. They do not use any chemicals, dyes or other additives. Del Gould specializes in USDA choice aged beef. All beef products used are aged from 21 to 28 days.

Del Gould Meats contracted with UNL's Partners in Pollution Prevention program to assess its overall energy efficiency. Individual teams were assigned to investigate different aspects of their operation including electricity use, as well as their water and natural gas use. Interns also tried to investigate on trash recycling, but no suggestion is made so far.

Summary and Pollution Prevention Benefits

On May 26th and 27th, the Partners in Pollution Program (P3) interns assessed water use, natural gas use, and electrical use, at Del Gould Meats, Inc. The assessments focused on finding opportunities for Pollution Prevention (P2) and Energy Efficiency (E2) beyond what Del Gould already has in place. The students measured energy consumption in these processes, discussed with employees about current operational information, and asked specific questions.

During the assessment, the P3 interns identified a number of pollution prevention opportunities with payback periods. See Table 1.

Table 1. Overview of Potential Benefits from P2 and E2 Recommendations

Description	Electricity Saving kWh/yr	Water Saving gal/yr	NG Saving therms/yr	Cost Saving \$/yr	GHG Reduction MTCO2e/yr	Payback
Reduce Operating Pressure of the Air Compressor	3,600	-	-	240	3.9	No Initial Cost
Fix the Leak in the Compressed Air Line	2,500	-	-	170	2.7	1 year
Install LED Fixtures in Freezer and Cooler	9,900	-	-	440	10.8	5 months
Indoor A/C Unit Usage Limitation	4,000	-	-	270	4.3	No Initial Cost
Outdoor LED Light Replacement and Motion Sensor	7,600	-	-	330	8.3	4 years
Installing Low-Flush Toilets	-	9,000	-	50	0.03	6 years
Use Water Broom to Clean the Floor Instead Spray Head	-	7,100	40	70	0.2	7 months
On-Demand Water Heater	-	-	210	220	1.1	10 years
TOTAL	27,600	16,100	250	\$1,790	31.3	-

