

## Project Overview

### Blue's Bike and Fitness Center



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### Company Background

Blue's Bike and Fitness Center is a full-service and sales bicycle shop located in Lincoln, Nebraska. The primary mission is to provide high quality sales knowledge and service to all customers with fast and reliable repair service for all types of bicycles. Blue's employs 12 full and part time workers, with 2-3 mechanics on duty at any given time. The repair shop consists of all types of bicycle maintenance, including complete cleaning of parts with a parts washer.

### Project Description

The goal of this P3 summer project is to provide technical assistance to Blue's in pollution prevention and waste minimization. Specifically, researching alternatives to petroleum-based parts washers, incandescent lighting, and aerosol cans and providing innovative suggestions to expand the existing recycling program.

### Results

The impact of the suggestions made has the potential for reducing the amount of solid waste landfilled, electricity consumed, and exposure to hazardous chemicals. By expanding Blue's current recycling efforts there can also be an increase in employee involvement and accountability. Table 1, below, is a summary of the environmental benefits.

*Table 1: Summary of Environmental Impact and Potential Reductions*

<b>Environmental Impact</b>	<b>Potential Reduction</b>
Hazardous solvent use reduced by switching to an aqueous-based parts washer	32 gal/yr
Energy use reduced by replacing incandescent lighting	2,800 kWh/yr
Solid waste diverted from the landfill by eliminating aerosol cans	5,000 lbs/yr