



Aveda Inc., Blaine

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Organization

Aveda Corporation is an environmentally conscious manufacturer of organic hair and personal care products.

Intern Project

Study the uses of energy in the Blaine facility with focus on improving energy efficiency of the compressed air and chiller systems and reducing off-grade product.

Incentives to Change

Increasing efficiency in the compressed air and chiller systems would reduce energy use, energy cost, and impact on the environment. Reducing wasted off-grade products would save energy and raw ingredient costs, lower sewer accessibility and strength charges associated with liquid waste.



Solutions

Reduce Compressed Air End Use

Implement a weekly in-house leak check, yearly third party leak study, and post a leak report log in production. Turn off air supply to unused production lines. Replace some air motor mixers with electric motors.

Improve Chiller Efficiency

Install a new chiller system with increased capacity and energy efficiency solutions, including free cooling and heat recovery.

Reduce Off-grade Waste Product

Install filter system to remove solids from waste stream, increase occurrence of corrective and preventative actions to follow up off-grade waste generation.

