



Ecolibrium3

Hanne Guthrie

Chemical Engineering, University of Minnesota Duluth. Michelle Gage, MnTAP advisor

Company

Ecolibrium3 is a Duluth non-profit with the mission to inspire and lead change in the Lincoln Park community toward an equitable and sustainable future.

Intern Project

Help businesses in Lincoln Park area benchmark their energy and water use and waste creation, and do a deeper assessment to find specific energy, water and waste savings recommendations in select businesses .

Incentives to Change

Aiming to help the community with energy efficiency, sustainability and neighborhood revitalization.



Solutions

Efficient Lighting

Replace current lighting with energy efficient LED screw-in bulbs, flood lamps and strip fixtures.

Final Rinse Reuse

Using final rinse water from cleaning one brewery tank as the pre rinse for cleaning the next brewery tank.

Compressed Air

Fix current leaks in the system and turn off compressed air machinery when not in use.

Lean Manufacturing

Improve process flow by using Value Stream Mapping , and getting employees involved for reducing lead time.

