Southwest Ohio Internship Program

P2

Butler County Ohio
RECYCLING & SOLID WASTE

Hamilton County
Recycling and Solid Waste District

MONTGOMERY COUNTY Ohio
SOLID WASTE SERVICES

What is Pollution Prevention (P2) ?

P2 is about eliminating or reducing waste or hazardous substances at the source before the point of generation. P2 examines all media—energy, air, water, solid and hazardous waste.

Program History

- P2 Internship Program began as a grant funded initiative of USEPA Region 5
- P2 capacity building in the SW Ohio region, with potential to expand statewide
- SWD program to serve the industrial sector
- Engage Ohio students in professional engineering internships in Ohio – goal of retaining talent in Ohio after graduation

Program History

Public - private collaboration between local industries and Butler, Hamilton, and Montgomery Solid Waste Districts. Undergraduate and graduate students serve as temporary contractors at local businesses to identify efficiency improvements, increase waste reduction, and advance company environmental goals relating to pollution prevention (P2) and conservation. Primary outcomes:

- Businesses gain an intern at **minimal cost (**25% match of the intern's salary is required).
- Businesses save money and increase environmental performance.
- Students gain skills through P2 training and placement
- Students gain real world experience in a manufacturing setting
- SWDs provide resources to the industrial sector and gain valuable data on successful P2 initiatives.
- Sharing P2 project outcomes/results potentially benefits all companies in the cohort.

Partner companies have saved over …

$1.7 Million

Select

Patheon

St. Bernard Soap Co.

SIEMENS
Ingenuity for life

FORMICA®

General Mills
Making Food People Love

DELL

SugarCreek

SYNERGY
INSPIRING TASTE™

APTALIS

Valeo

LANXESS

TEDIA®
High Purity Solvents

DUKE ENERGY®

H.B. Fuller

MillerCoors
A MOLSON COORS COMPANY

Skyline CHILI

SAMUEL ADAMS

TriHealth

AERONCA

HAMILTON

deceuninck

Challenges

Recruitment

Technical Partners

Intern Training

Communication

Timeline

September

Start promoting program to potential host companies

December

Select host companies

March and April

Divide and conquer the intern interviews

Select the intern

Early July

Midpoint review meeting

December

Host company applications are due

January

Post internship description on Handshake

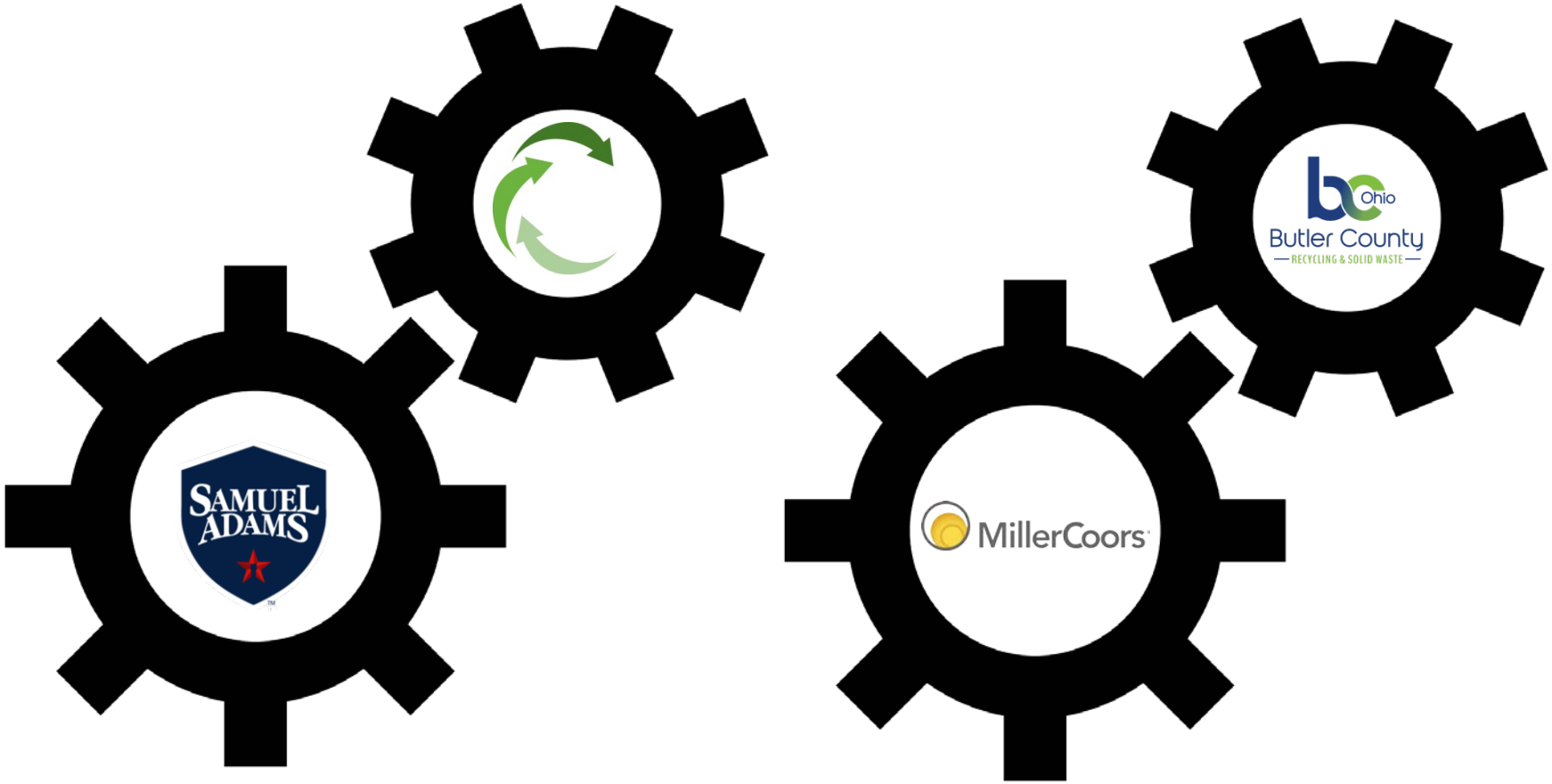
End of May

Internship start and training

Early August

Final presentations

2019 Host Companies



Samuel Adams Cincinnati Brewery

Project Focus:

- Mixed recycling
- Manufacturing recycling streams
- Waste reduction
- Wastewater management

MillerCoors Trenton Brewery

Project Focus:

- Improve recycling program
- Reduce waste to energy materials
- Review stormwater flows and sanitary drains, map all outlets
- Review equipment, energy demands, and equipment upgrades

Financing P2 Internship

- Intern wages from $11 - $17/hr for 12 week internship
- SWDs pay 75% of intern wages, or $4,000- $6,500 per intern
- Pollution Prevention Training – first week of internship ($900 per intern, including travel costs)

Looking Ahead

- Engage new SWD partners to participate in P2 Internship program
- Partner with OCAPP and other agencies to provide training and technical assistance to prepare interns for their role
- Establish a larger cohort of industry partners and P2 interns to multiply the collaborative learning experience for interns, SWDs, and industry partners
- Identify new funding sources to support ongoing P2 training needs and program expansion