

# Sustainability Plan for

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## Monroe Career and Technical Institute

Prepared by \_\_\_\_\_

\_\_\_\_Date Prepared \_\_\_\_

## **Introduction**

School Background - What is MCTI, Where is it located, what does it do, how many students are there, what programs are offered, etc etc etc

Shop Background - What does your program do, how many students are in the program

What is sustainability - briefly describe the ideas of IPM, energy and natural resource use, solid waste management, recycling, reusing, reducing, pollution, and hazardous waste as it relates to sustainability. Don't go into too much detail because you will be saying more about those later. Here you are basically just writing about what each of those things are.

## **Integrated Pest Management**

List the Steps of Integrated Pest Management. For each step note whether these steps are actually implemented in your shop area

List at least three pests that are important to or typically found in your shop and describe why they need to be managed. Explain how these pests should be managed in your shop area.

## **Energy and Natural Resource Use**

List at least three sources of alternative energy related to your program area. Describe their advantages and disadvantages and then make a recommendation.

List at least three important natural resources used in your program area. Describe where these resources come from and provide recommendations for using reduced amounts, recycled resources, or alternatives.

## **Solid Waste Management**

List the different types of solid waste produced in your shop. Try to be as inclusive as possible Create a table that lists which items are recycled, reused, or simply thrown in the garbage Research the requirements for solid waste management in Pocono Township, Monroe County and Pennsylvania. Does your shop meet the requirements?

Provide a plan for improving solid waste management in your shop. How could you reduce material use? How could you increase recycling? What else could you do to reduce the amount of material going to the landfill?

**Pollution and Hazardous Waste**

Explain the difference between point and non-point source pollution. List at least two examples of each that might be related to your shop and suggest ways to reduce this pollution.

Describe any new technology that you have heard about that helps reduce pollution associated with your shop.

List the different types of hazardous waste found in your shop and what they are used for (anything with an MSDS sheet or otherwise might be considered chemically hazardous). Explain any alternatives to using these chemicals. If they cannot be replaced with non-dangerous chemicals explain why

Explain the dangers of throwing hazardous material in with normal solid waste or sending it down the drain and provide ways of properly disposing of these chemicals.

Explain the laws that are related to your shop that help prevent pollution or keep people safe.

**Conclusions**

Write a good solid summary paragraph that helps describe how sustainable your program area is and lists three recommendations for improving sustainability.