Planning a Greenhouse Gas Emissions Inventory at St. Mary’s College of Maryland

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ENST450: Applied Sustainability Practicum

Objectives
1. Expand metrics of greenhouse gas (GHG) emissions measurement at SMCM by surveying the best practices of other institutions
2. Connect GHG emissions metrics to specific on-campus sources of data
3. Develop a collaborative system of reporting emissions data to a central source to be compiled into a GHG emissions inventory

Motivation
Feedback from emissions to energy use
• Potential to increase energy efficiency
Centralized availability of information
• Directed research on institution
Fosters leadership in sustainability
• Innovation may lead to recognition
Organization breeds implementation
• Increases the chance of execution

Context

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<tr>
<th>ACUPCC</th>
<th>Climate Action Plan v1: SMP/Planner</th>
<th>Climate Action Plan v2: Student Initiative</th>
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Defining Terms

Scope 1: Direct emissions from sources owned or controlled by the college
Scope 2: Indirect emissions not owned or controlled by the college, but still associated with its energy consumption
Scope 3: Indirect emissions associated with the production and consumption of the college

Next Steps

Annual Emissions Data
Campus Research, Goals, and Initiatives
Emissions Inventory Report

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References