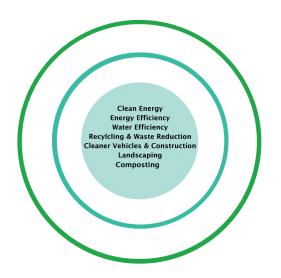


Monmouth University
Environmental Assessment:
MOU Semiannual Report
March 25, 2010



Environmental Protection Agency Region 2

Accomplishments Reductions of 5072 MTCO2e



Memorandum of Understanding

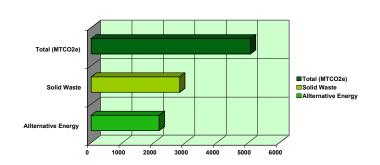
On January 16, 2009, Monmouth University signed a Memorandum of Understanding(MOU) pledging to become an environmental steward by implementing a number of green initiatives that would reduce its carbon footprint and further improve our planet's environment. This partnership with the United States Environmental Protection Agency(EPA) and Monmouth University has resulted in reducing energy, water and solid waste production across campus operations.

Reduction in Environmental Footprint

In the last year, Monmouth University has provided two update reports documenting its green initiatives. The EPA has analyzed the submitted information and generated an environmental footprint for the organization. Due to the progressive green efforts of the organization, the university has managed to reduce its carbon footprint by 5072 MTC02e.

Environmental Metrics	Total Sector (MTCO2e)
Green Landscaping	2
Transportation	6
Energy Conservation	34
Water Conservation	43
Alternative Energy	2168
Solid Waste	2819
Total (MTCO2e)	5072

High Impact Initiatives

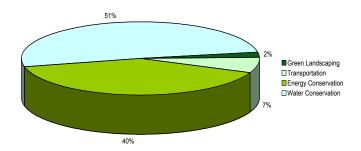


Continous Improvements

The environmental footprint generated for Monmouth University is an estimate based on current knowledge. EPA is receptive to having a dialogue with its partners about different methods of analyzing certain data metrics. In addition, certain environmental data points cannot be converted to carbon dioxide equivalents because scientific models do not currently exist. Calculation methodologies are imporving as more and more is learned regarding greenhouse gas production and properties.

^{*}Metric Ton Carbon Dioxide Equivalent

Secondary Initiatives



Reduction in Environmental Footprint

EPA used the following environmental conversion models to calculate metric tons of carbon dioxide equivalents:

- Greenhouse Gas Equivalencies Calculator allows different units to be inputted to convert the efforts into scenarios that can be easily communicated to the public
- GHG Conversion Tool May 2009 is a more comprehensive tool that can convert a wide ranging of reduction initiatives like electricity conversation, green energy, fuel substitution, green chemistry, water conservation and materials management
- RECON Model can be used to examine the energy impacts of purchasing, manufacturing of post-consumer recycled content
- Warm Model is used to examine the greenhouse impacts of solid waste issues related to recycling, combustion, composting and landfilling

Accomplishments Reductions of 5072 MTCO2e

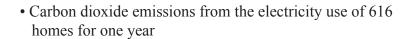
Greenhouse Gas Equivalencies

What does the reduction of 5072 MTCO2e represent? The organization's effort is equivalent to anyone of the following statements:

• Annual greenhouse gas emissions from 970 vehicles



- Carbon dioxide emissions from 570,529 gallons of gasoline
- Carbon dioxide emissions from 11,795 barrels of oil consumed





- Carbon dioxide emissions from 211,333 propane cylinders used for home barbeques
- Carbon dioxide emissions from 67.7 tanker truck's worth gasline
- Carbon dioxide emissions from the energy use of 432 homes for one year

