

# Memo

To: Professor Srinivas Kosaraju  
From: Katherine Carroll, Margo Dufek, Andrew McCarthy, and Leanne Willey  
Date: December 7, 2012  
Re: Harnessing Wind Energy from Recycled Materials project

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The team has proposed a final design for the Harnessing Wind Energy from Recycling Materials (H-WERM) design project. The goal of the H-WERM design project is to provide inexpensive electricity to third world country citizens whom are located in rural areas, and are without access to the power grid. The following list is a brief description of the final design concept, total project cost, and the anticipated time to complete a prototype:

- Basis of the final design is a horizontal turbine with PVC blades cut to form a helix-shape prop for the turbine face.
- Lower limit of the project cost is calculated at \$50.00.
- Prototype is anticipated to be completed at the end of the ninth week (week of March 15<sup>th</sup>) of the spring 2013 semester.