

# Breath Analysis 1

## Windmill Analysis

For the windmill analysis I will research the wind patterns of Erie, PA to discover the power generating capabilities of the building. I will also perform a cost analysis of the electricity savings versus the initial cost. I will also perform a structural analysis of the roof to make sure that the windmill will be able to be placed on the roof. Finally, the schedule impact will be looked at. This will be my first Breath Assignment and deals with electrical power use reduction and circuit redesign as well as a structural strength check. Research of windmills and wind availability, the structural analysis, the electrical load reduction, the cost analysis, schedule impact, and a summary are the key issues to this topic.