

Case Study: Honeywell International

Honeywell International's Energy Services (Honeywell Building Solutions) division works with municipalities, universities, and other schools to address energy efficiency and sustainability issues. The services Honeywell provides are typically referred to as "ESCO" services. Recently, many customers have been interested in integrating renewable power generation into Honeywell's plans. Northern Maine Community College (NMCC)



Figure: Wind Map of Site

is a Honeywell customer that has an interest in wind power generation, as the school provides a wind power technician program to students interested in wind technology development and maintenance.

Emergent completed a General Resource Assessment (GRA) for Honeywell and NMCC to determine if wind power generation was an option on campus. Wind speeds, community impacts, permits, and financial viability were analyzed.

In the end, due to slow wind speeds, only a very large turbine made sense economically. However, NMCC campus is located within close proximity to the Presque Isle Regional Airport. A Federal Aviation Administration (FAA) height permit was filed by Emergent to check the maximum size allowable. Unfortunately, the height was prohibitively low, and a wind project located at the NMCC campus was determined to not be a feasible opportunity at this time.

By completing the GRA, Honeywell and NMCC were able to see a full analysis of all the potential fatal flaws of a wind power project on-site, while investing very little time and money. The GRA kept overall costs low and provided hard evidence that further investment in a wind power project would be unwise from a financial standpoint. Emergent is currently exploring other opportunities for wind power as a partnership between Honeywell, Northern Maine Community College, and the City of Presque Isle.