

Comparing the Carbon Emission Reductions from Various Clean Energy Projects

Hugh I. Henderson Jr., General Manager, CDH Energy Corp.

ABSTRACT

This presentation compares the reduction in carbon emissions for various energy efficiency and renewable energy projects. The types of projects include photovoltaic systems, solar thermal, farm biogas systems, fuel cells, combined heat and power systems, commercial lighting upgrade, residential weatherization, and HVAC retrofit. The analysis consider both reductions greenhouse gas emissions as well as the installed costs and energy cost savings. The different projects are compared in terms benefits provided per dollar invested from the point of view of the owner and society.

BIOGRAPHY

Mr. Henderson is General Manager at CDH Energy Corp, in Cazenovia, NY. CDH Energy is a consulting firm that specializes in evaluating new energy technologies. He has collected detailed field-monitored data and developed building simulation tools to evaluate a wide range of energy-efficient technologies for residential, commercial and industrial applications. He works extensively with NYSERDA on various energy efficiency delivery programs as well as conducting research and demonstration evaluations.