



Carl Hourihan is a building research analyst and project manager at MaGrann Associates NY (formerly The Levy Partnership) with a professional background in building science, mechanical engineering and sustainable

building technologies, solar energy and urban farming. Carl's specific areas of expertise include:

- ◆ Instrumentation and maintenance of measurement and verification equipment for energy technologies and test homes, including power metering of HVAC equipment, indoor environmental data, weather stations and building operation
 - ◆ Site inspections for sustainable building and environmental engineering projects
 - ◆ HVAC and heat pump systems analysis
 - ◆ Residential and commercial building energy audits
 - ◆ Project management for integrated physical needs assessments of affordable multifamily buildings under New York State and New York City programs
 - ◆ Energy savings calculations for sustainable designs
 - ◆ On-site surveying and consultation for solar energy technology
 - ◆ Measurement, verification and savings calculations of lighting retrofits in residential and commercial buildings
- Manages various residential and commercial projects

Professional Experience

- ◆ Installed data loggers and sensor instrumentation in two test homes for U.S. Department of Energy Building America program.
- ◆ Engineering Technician with leading environmental consulting firm, specializing in utility programs measurement and verification.

- ◆ Conducted both residential and commercial site visits for a wide variety of projects for power metering of HVAC equipment. Performed savings calculations for lighting retrofits in commercial buildings, commercial energy audits, data cleaning and other data formatting to support analytics team.
- ◆ Project leader for the leading rooftop farming and green roofing company in the U.S., including developer of the world's largest urban rooftop farm. Managed crew hours, lead teams of up to eight people and delegated tasks, provided guidance and assistance in completing objectives.
- ◆ Site Surveyor for the nation's largest solar panel installation company. Inspected residential homes for solar potential; collected and documented information about the home's roof surface, support structure, and service panel, while informing customers about future process.
- ◆ Energy analyst for one of the leading green construction firms in the Pioneer Valley. Performed desk reviews of existing home energy performance and compared gathered information to modeled home energy performance.

Expertise

Energy cost savings analysis, energy conservation, HVAC, rebates

Credentials

- ◆ Certified Building Performance Institute Multifamily Building Analyst
- ◆ Certified Energy Manager
- ◆ USGBC LEED Green Associate
- ◆ Five College Sustainability Certificate in Green Infrastructure, Design, and Technology
- ◆ 10-Hour OSHA

Education

B.A. Mechanical Engineering
Hampshire College
Amherst, MA