

Gerard J. Ross, EIT, CEM

(845) 321-1527 • gerardjross@gmail.com

39-30 50th Ave.

Sunnyside, NY 11104

EDUCATION

Manhattan College, Bronx, NY

Bachelor of Science in Mechanical Engineering, Minor in Mathematics; GPA: 3.3

May 2017

Kennedy Catholic High School, Somers, NY

High School Diploma; GPA: 3.7

June 2013

EMPLOYMENT EXPERIENCE

Port Authority of New York and New Jersey

February 2024 – Present

Environmental & Sustainability Specialist/Sr. Airport Engineer

- Help plan and facilitate PA initiatives, as well as identify and propose new projects based on engagement sessions and tracking of emerging developments in the sustainability field
- Identify buildings and vet their electrification feasibility with relevant parties, by analyzing the following: peak electrical usage, building electrical capacities, expected increase in electrical needs, and mechanical loads
- Implement the demonstration and/or installation of sustainability-focused innovations at Port Authority airports from the planning and scoping stage until completion
- Assist with the implementation of EVs and EV Chargers for both typical passenger highway vehicles and airport ground support equipment
- Assist in managing and implementing the port Authority's Zero-Emission Airside Vehicle Rule (ZEAV) by communicating with tenants, key stakeholders, and running quality assurance for vehicle compliance

New York City Police Department

Energy Manager/Project Manager

August 2022 – February 2024

- Manage staff and budget to ensure energy efficient building operation
- Identify buildings that are suitable candidates for utility incentives and rebates and see their implementation through
- Coordinate with multiple agencies, contractors, and design consultants to ensure the timely delivery of projects that directly reduce greenhouse gas emissions
- Schedule natural gas inspections, meter verification, real time meter scoping and troubleshooting
- Enroll accounts in load shedding practices for both natural gas and electricity that have minimal impact on building occupants
- Secure funding for emerging "green" technologies and evaluate their efficacy
- Establish remote access for building control systems
- Survey buildings for their capacity to receive different types and quantities of EV chargers

Energy Analyst/Project Manager

June 2019 – August 2022

- Work directly with Energy Manager to ensure facilities operate efficiently from an energy usage standpoint
- Assist in securing funding from the Department of Citywide Administrative Services for building system upgrades
- Design energy efficient systems and perform the associated calculations to evaluate their impact on both energy and emission reduction
- Project manage new energy efficient projects at NYPD facilities (lighting, boilers, AC units, solar, etc.) and ensure they are completed as designed
- Verify a project or building's compliance for the associated NYC local laws (84, 87, 94, 97, etc.)
- Commission new installs after completion to certify operation is as specified by the design engineer
- Conduct measurement and verification of both new and existing equipment
- Review energy audits and gauge the feasibility of suggested ECMs and RCMs

DLS Mechanical Corp.

Aug 2017 - June 2019

Asst. Project Manager/Estimator

- Coordinate access and manpower to various job sites for multiple projects at a time
- Ensure each trade is working with one another and are on track to achieve a predetermined completion date

- Review contract drawings/specifications and compare them to vendor-generated equipment submittals and shop drawings
- Perform regular site visits to ensure projects are proceeding both as designed and on schedule
- Estimate project cost as defined by a given scope of work

Manhattan College Information Technology Services

Aug 2015 - May 2017

Resource Manager/Client Services Technician

- Spearhead office assets to ensure efficient assistance to faculty and staff
- Employ proper judgment and decision making to generate a work ticket for issues that cannot be resolved via telephone or email that will require an on-site resolution
- Allocate tasks to other workers according to their skill level
- Resolve complex issues using knowledge of networking, computer hardware and software to troubleshoot issues
- Recognize and escalate more difficult problems to supervisors to ensure a timely resolution for clients

CERTIFICATIONS & ACCREDITATIONS

- Passed Fundamentals of Engineering exam in pursuit of Professional Engineering license
- Association of Energy Engineers (AEE) Certified Energy Manager (CEM)
- Tridium Niagara 4 Technical Certification for design and implementation of building control systems
- CUNY Building Performance Lab Building Operator Certification (Level 1)
- OSHA 30-hour Construction Safety and Health
- Successfully completed review courses for Certified Energy Auditor (CEA), Certificated Measurement and Verification Professional (CMVP), and Certified Passive House Designer (CPHD)

TECHNICAL SKILLS

- Microsoft Office (Word, PowerPoint, Excel)
- Strong experience with the following engineering programs for the applications listed:
 - Autodesk Revit – architectural design and configuration of MEP systems
 - NX – general 3D modeling and design of various geometries
 - Abaqus – various projects that model static, dynamic & heat transfer loading in various meshes
 - COMSOL – model static and dynamic loading, and fluid flow on various geometries with different meshes