



**Emma Raymont, PE, CEM** is the Director of Engineering at MaGrann Associates. She coordinates and supports a team of engineers who provide energy efficiency and mechanical design consulting services for new

and existing multifamily and mixed use buildings. Emma holds a dual B.S. degree in Civil and Architectural Engineering from Drexel University as well as a B.A. in History from McGill University.

Emma provides leadership for an integrated design process that optimizes the performance and cost effectiveness of projects. Her role includes design phase coordination with builders, architects civil and structural engineers as well as construction phase verification and consulting.

Emma also provides technical support for existing building diagnostic services and quality assurance programs for MaGrann. Her responsibilities include evaluation of existing mechanical systems, retro-commissioning, design for energy upgrades, commissioning and post installation measurement and verification.

## Professional Experience

### Engineering Design

Emma is a licensed Professional Engineer responsible for the technical direction of residential design and consulting teams. She has worked as a design engineer with MaGrann since 2002 and is one of the firm's senior experts in high performance homes, buildings and systems.

Among her many recent accomplishments, she is responsible for the technical direction for PSE&G's Residential Multifamily Housing Retrofit Program that won the Association of Energy Services Professional's 2016 Outstanding Achievement Award in Residential Program Design & Implementation.

### Management

Emma has extensive experience in a management capacity and has overseen employees in the design, green consulting and existing homes departments, including coordinating internal resources, maintaining

quality, developing standards, providing training, ensuring customer satisfaction and identifying areas for process improvements.

### Recent Project & Presentation Experience

- ♦ Hillendale – MEPFp Design for a multi-family, 11 story, mixed use, Passive House, LEED, ENERGY STAR project with collaborative, schematic design process.
- ♦ Somerville – MEPFp Design for a multi-family, 4 story, mixed use, LEED, ENERGY STAR project at a complex site, adjacent to train station.
- ♦ Gardens at Wesmont – Energy efficiency retrofit of a multi-family, garden style complex, including insulation, removing central oil boilers and installing individual heat pumps.
- ♦ Multifamily Electrification, Net Zero Carbon Conference 2019 – Arcata, CA - 7/25-26/19

## Expertise

MEPFp design (Mechanical/Electrical/Plumbing/Fire Protection), green building consulting, high performance building design, building science training, multi-family residential new construction, ENERGY STAR Certified Homes, LEED for Homes, energy code compliance, energy auditing, existing building retrofit, project management, quality assurance program design

## Qualifications

- ♦ Licensed Professional Engineer (PA, DC, CT, OH, MA)
- ♦ Certified Energy Manager (AEE)

## Years of Experience

19 years

## Education

B.Sc. Civil and Architectural Engineering, Drexel University, Philadelphia

B.A. History and Jewish Studies, McGill University, Montreal, PQ, Canada

## Memberships/Affiliations

Association of Energy Engineers, New Jersey Chapter  
ASHRAE (American Society of Heating, Refrigerating & Air Conditioning Engineers), Green Building United