

**Julie Chandler | CEM, DSM**  
**Senior Project Engineer**  
**AE (Mechanical Engineering) Master's Degree**  
Aurora, IL 60504 chanjul@hawk.iit.edu

Highly experienced Senior Project Engineer providing validation of claimed energy engineering savings for the built environment for customers in the commercial and industrial sectors.

**Skills:** Project management, outreach, facility energy audits, inspections, (M&V) data collection of energy consumption and analysis, data center retro-commissioning, SME HVAC/Lighting/BAS, whole building simulation modeling, demand side management, mechanical system analysis, renewable energy design, scheduling, and economic decision analysis.

**Additional:** 365 Applications, BIM, eQuest, BEopt, Energy Plus, Green Building Studio, Revit, Trane Trace, REM/RATE, Flir imaging, AGI32, DOE, ASHRAE, IECC, IES, IESNA & LEED.

Work Experience

**Senior Project Engineer**

**Resource Innovations** – (remote) Chandler, AZ February 2022 to Present

- Validated technical energy savings for SRP's commercial & industrial customers.
- Measurement and verification of captured building system energy data.
- Custom engineering analysis, reporting, and presentation to the customer/contractor.
- Retrocommissioning & monitor-based commissioning (including data centers).
- Deliverables: report results including equipment selection & additional saving options.
- Process improvements for custom engineering & retrocommissioning incentive programs.

**Energy Efficiency Engineer**

**DNV** - Oak Brook, IL August 2017 to February 2022

- Validated technical energy savings for ComEd commercial & industrial customers.
- SME across the small business, instant discounts, custom and streetlights programs.
- Evaluated technical incentive measures aligning with the IECC and IL TRM.
- Developed a detailed 2020 Energy Efficiency Service Provider Manual.
- Developed the 2019 All Electric Zero Net Energy (ZNE) Commercial Pilot Program for ComEd.
- Created program inspection manual, calculation sheet, webinars & process improvements.

**Part-Time Private Tutor**

**IPSD 204** - Aurora, IL 2008 to Present

**Team Leader**

**Race to Zero DOE Residential Design Competition** - Chicago, IL January 2016 to May 2016

Our team design included a new multi-family structure located on the south side of Chicago incorporating financing, rebate/incentive discovery, energy efficient design and material selection for the envelope, correctly sized design capacities for the heating and cooling systems, environmentally friendly community outdoor meeting spaces and (EV charging spaces, solar and geothermal) renewable energy strategies to achieve the target HERS rating. Presentation: NREL in Golden, CO.

### **Energy Efficiency Team Leader**

**NECA-Green Strategies for Chicago Buildings** - Chicago, IL January 2016 to May 2016

Our team focused on Perspectives/IIT Math and Science Academy on the south side of Chicago. The school was an original design from 1944 with a footprint of 109,000sf. Recommendations included a new reduced window-to-wall ratio with high-performance windows, repair of the facade to minimize moisture penetration, installation of new operable interior shading treatments, day-lighting controls, roof-mounted PV equipment, preventative maintenance of HVAC systems, LED classroom lighting design and a new BAS installation.

### **Additional Work Experience:**

available upon request

### Education

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#### **Master's degree in AE - (Mechanical Engineering - Building Systems)**

Illinois Institute of Technology - Chicago, IL August 2014 to May 2016

#### **Bachelor's Degree in Structural Engineering**

Illinois Institute of Technology - Chicago, IL January 2003 to December 2007

### Awards

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#### **NAWIC Scholarship**

**Jeannette Rankin Foundation Scholarship**

**Phi Theta Kappa Transfer Scholarship**

### Certifications and Licenses

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**Certified Energy Manager (CEM) 26475**

**Certified Demand Side Manager (CDSM)**

**Certified Measurement & Verification Professional (CMVP)**

### Groups

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**ASHRAE Illinois Chicago Chapter**

**Association of Energy Engineers**