

Aneri Shah, LEED AP BD+C

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC. *Consultant*

New York, NY

Ms. Shah is a member of E3's Climate Pathways and Electrification practice area where she supports projects examining the future of natural gas utilities, clean heating, and other building electrification topics. Prior to joining E3 she worked on designing low carbon buildings as an Environmental Designer. In that role she applied her analytical skills on energy and carbon models for developing electrification scenarios for projects in the Northeast region. This included understanding the synergies between different building systems to better inform the design and push for implementing energy efficiency strategies in new and existing buildings. Ms. Shah has also worked at a MEP engineering firm, designing electrical systems for complex transit and commercial projects. She holds an M.S. in Energy Science, Technology, and Policy-Applied Studies from Carnegie Mellon University and a Bachelor of Technology in Electrical Engineering from Institute of Technology, Nirma University.

ATELIER TEN USA LLC *Environmental Designer – Energy Analyst*

New York, NY
February 2020 – May 2023

- Performed technical design analytics to provide carbon mitigation, sustainability, and energy efficiency strategies to support new and existing buildings in meeting benchmarks for emissions, which culminated in a pathway for decarbonization
- Developed advanced energy analysis models and post-processing spreadsheet tools to explore specialized concepts in energy use optimization, like natural ventilation, demand response strategies and electrification schemes for program types like laboratories, museums, academic institutions, offices, hotels, retail, and housing
- Assessed future carbon emissions scenarios based on predicted evolution of the local electrical grid
- Conducted whole building operational carbon and life-cycle cost assessment to provide recommendations based on technoeconomic feasibility of the energy efficiency measures
- Conducted renewable energy assessment to evaluate options and the associated costs to offset energy use
- Oversaw day-to-day project work, advised, and collaborated with design teams to integrate resource efficient initiatives into project designs
- Led dissemination efforts using reports and presentations to communicate sustainability strategies and recommendations clearly and concisely
- Contributed to the design and delivery of training sessions for new employees in the Energy Analysis practice
- Managed operational planning and workflow for a 14-member team in the Energy Analysis practice, resulting in project completion on time and within budget

WSP USA*Building Performance Intern*New York, NY
May 2019 – August 2019

- Conducted climate-specific daylight and glare analysis for different building profiles and locations
- Developed presentations and reports using effective data visualization to translate the results from our analysis as part of the sustainability team
- Provided timely technical support for the development of a calculator, specific to the carbon emissions reduction law for buildings in New York, NY

INI INFRASTRUCTURE AND ENGINEERING PVT LTD*Electrical Design Engineer*Ahmedabad, INDIA
June 2017 – May 2018

- Designed efficient electrical system for metro stations, multipurpose buildings, and smart city development in India

EducationCarnegie Mellon University
*M.S., Energy Science, Technology, and Policy-Applied Studies*Pittsburgh, PA
December 2019Institute of Technology, Nirma University
*Bachelor of Technology, Electrical Engineering*Pittsburgh, PA
May 2017