

Profile

Which Boards would you like to apply for?

Energy Advisory Commission: Submitted

Please select your first Board preference: *

☒ Citizen's Energy Advisory Commission

Please select your second Board preference: *

☒ Citizen's Energy Advisory Commission

Please select your third Board preference: *

☒ Citizen's Energy Advisory Commission

Please select your fourth Board preference: *

☒ Citizen's Energy Advisory Commission

Please select your fifth Board preference: *

☒ Citizen's Energy Advisory Commission

Please select your sixth Board preference: *

☒ Citizen's Energy Advisory Commission

Muawia

First Name

Hassan

Last Name

Middle
Initial

530 Granite Grove Loop

Street Address

Suite or Apt

Wake Forest

City

NC

State

27587

Postal Code

What district do you live in?

None Selected

Mobile: (541) 668-5663

Primary Phone

Mobile: (541) 668-5663

Alternate Phone

hassanmuawia18@gmail.com

Email Address

Fall Line EPC

Employer

Project Manager

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

☐ Yes ☒ No

In order to assure countywide representation, please indicate your place of residence:

☒ Wake Forest

Interests & Experiences

Why are you interested in serving on a Board or Commission?

Volunteering on the Citizens' Energy Advisory Commission is a natural extension of both my professional background and personal values. I work in renewable energy full-time, so I bring direct, hands-on experience in the industry. But beyond that, I care deeply about environmental impact, community engagement, and doing my part to give back. This role brings all of that together in a meaningful way, and that's the core reason behind my application.

Work Experience

I'm a Project Manager in renewable energy with over 5 years of experience delivering more than 300 MW of solar projects. My work spans early development through construction—including interconnection, permitting, engineering, and execution. I regularly coordinate with project developers, landowners, local authorities, and permitting agencies to move projects forward efficiently and responsibly. My role centers on aligning technical, regulatory, and community interests to deliver clean energy with long-term impact.

Volunteer Experience

While I don't have formal volunteer experience in the U.S., I've been actively involved in community-focused efforts throughout my academic and early professional life. UET Blood Donor Society – Recruited and organized blood donors on-campus for emergency needs No Smoking Campaign, UET – Launched a campus-wide awareness campaign using student media and peer engagement Noor Community Medical Camp – Volunteered at a free rural health camp, supporting logistics for medical and eye care services Rural Education Drives – Conducted awareness campaigns in underserved areas to encourage school enrollment and promote the value of education

Education

Master of Science in Mechanical Engineering, Oregon State University (2023) Bachelor of Science in Mechanical Engineering, University of Engineering and Technology, Lahore - Pakistan (2016) Project Management Professional (PMP) Certification (2025) Focus areas: energy systems, project management, and sustainable infrastructure

Comments

Wake County's commitment to 100% clean energy and carbon neutrality by 2050 strongly aligns with both my professional work in renewable energy and personal values around sustainability and community impact. I'm confident I can add meaningful, technically informed insight to the Energy Advisory Commission given my strong professional experience. I am excited to support its clean energy transition with both expertise and accountability.

[Muawia Resume - JB - April 2025.pdf](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Date of Birth

Gender *

☒ Male

Ethnicity *

☒ Asian

Other

How did you become aware of Wake County volunteer opportunities?

☒ County Website

If you selected "Other" above, how?

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

By submitting this electronic application, if appointed, I pledge by my signature below that I have read and will comply with the ethics guidelines for advisory boards and commissions as adopted by the Wake County Board of Commissioners, found [here](#).

Muawia Hassan

Muawia Hassan, PMP®

Georgia, USA • hassanmuawia18@gmail.com • [linkedin.com/in/muawiahassan/](https://www.linkedin.com/in/muawiahassan/) • 541-668-5663

KEY POSITIONS

PMP® Certified Project Engineer, Preconstruction Engineer, Solar Project Developer, Energy Engineer

EXPERIENCE

Fall Line Construction, LLC

October 2024 – Present

Preconstruction Engineer

Butler, Georgia (Remote)

- *PV Design & Optimization:* Develop energy generation models using PVSyst, PVCase and other industry-standard tools to enhance performance of renewable power systems during the preconstruction phase. Tailor designs to achieve optimal AC & DC capacity and cost-efficiency.
- *Proposal Development:* Review Requests for Proposals (RFPs) for utility-scale PV projects, crafting comprehensive solar array scopes. Assess equipment specifications, contractual requirements, and performance criteria to deliver customized, high-efficiency designs.
- *Technical Evaluation:* Conduct thorough feasibility analyses based on design requirements, technical limitations, and economic considerations. Ensure optimal design solutions are achieved within scope and budget constraints.

Hypower, LLC

April 2023 – October 2024

Preconstruction Engineer / Project Engineer

Fort Lauderdale, Florida (Remote)

- *PV Design:* Create generation models in industry-standard software programs ex. PVSyst. Apply engineering principles to design, modify, or develop renewable power facilities, during preconstruction phase. Optimize project performance based on AC & DC capacity and cost parameters.
- *Proposals:* Analyze Requests for Proposals (RFPs) for utility-scale photovoltaic projects and develop the solar array scope for the basis of the proposal. Evaluate contractual obligations for PV project performance. Analyze product and/or equipment specifications and performance requirements to determine optimal designs.
- *Project Engineering and Management:* Review and analyze applicable engineering components, such as civil, structural, electrical or controls, of renewable energy projects as they relate and/or impact project performance. Determine feasibility of designs considering costs, time limitations, planning, and other technical and economic factors. Travel to project sites for data collection and during project commissioning.

Water and Energy Technologies Laboratory, Oregon State University

September 2021 – April 2023

Graduate Research Assistant

Corvallis, Oregon

- *Research:* Worked on solar thermal desalination technologies patented by the lab to treat hydraulic fracturing and seawater to hyper-saline wastewater to recycle water for irrigation and domestic usage with cost effectiveness.
- *Design Development:* Focused on design development of a heat exchanger for desalination module for heat recuperation and thermal management of the cycle. Worked published as a research paper.

This research work was a part of research sponsored by United States Department of Energy – Solar Energy Technologies Office (award number DE-EE0008402) and the US Department of Energy Advanced Research Projects Agency – Energy (award number AR-0001000).

Reon Energy Ltd.

September 2020 – September 2021

Project Developer / PV Structure Engineer

Lahore, Pakistan

- *Project Development:* Collaborated and liaison with contractors and project managers to ensure the site-specific design and delivery with cost effective solutions. Site survey of critical sites for customized structural requirements and debottlenecking any onsite structural query. Getting design and as built approvals from clients and regulators.
- *Team Management:* Coordinated with team and draftsmen to produce structural drawings as per standard documentation protocols. Provided technical advice on project feasibility and obtaining critical approvals from clients and regulatory authorities. International and local vendor management on behalf of supply chain manager.
- *Mechanical Design:* Designed module mounting structures for roof and ground mounted systems along safety testing of structure on various sites based on standards for loads (ASCE 7-16, MBMA 2006) caused by environmental or human influence and construction safety guidelines.

EXPERIENCE

- *Quality Inspection:* Evaluated the fabricated structure for module mountings and completed welding, galvanizing, and dimensional inspection to maintain quality and safety. Monitoring and inspecting all structural work undertaken by contractors on company behalf to ensure structural soundness and quality.
 - 70 MW Ground Mount Solar System at Bestway Cement Ltd. Budget \$36.5 million
 - 9 MW Solar System at Unilever Pakistan Ltd. Budget \$4.5 million
 - 3.1 MW Solar System at British American Tobacco, Pakistan. Budget \$2 millions
 - 4MW Solar system for QEERI project, REDCO, Qatar

Hadron Solar Pvt. Ltd.

May 2019 – September 2020

PV Design Engineer & Project Engineer

Lahore, Pakistan

- *Photovoltaic Design:* Designed solar systems and its components, BESS on PV*Sol and PVsyst solar simulation software with different electrical sizing, orientation, and module types for residential systems across Pakistan.
- *Energy Economics:* Performed calculations on software programs to generate system quotations, energy production and utilization reports, energy export to grid, payback time, BOQ analysis and carbon savings.
- *Project Engineering:* Led a team of 4 engineers and 10 technicians for smooth delivery of projects.
 - 330 kW Rooftop Solar System at British American (Pakistan) Tobacco Co. Pakistan. Budget \$0.3 million
 - 130 kW Agricultural Solar System at Water Management Training Institute, Punjab. Budget \$0.5 million
 - 5 MW Solar system at MS Enterprises, Lahore, Pakistan. Budget \$2.8 million
 - 10+ MW residential Solar Systems installed across Pakistan.

ILF Pakistan Private Limited

March 2017 – May 2019

Assistant Mechanical Engineer

Lahore, Pakistan

- *Project Planning:* Supported senior engineers in project plan and design using MS Project in mega projects, 100MWp Quaid-e-Azam Solar, 48MW Jagran II Hydro, LNG terminal and 18MW Harrapa Solar.
- *Business Development:* Prepared project-winning technical proposals and bids for energy projects, Solar powered tube wells under Fisheries dept with Govt. of Punjab, Quaid-e-Azal Solar extension, Walton Solar powered lights
- *Data Collection:* Visited project sites to gather information about the project feasibility and related technical parameters for preparation of project letter of interest (Sites: Batakundi, Usho, Sahiwal, Bhawalpur, Kashmir)
- *Documentation:* Reviewed and logged operation and maintenance reports from solar projects. Prepared business development reports on all projects. Prepared letters and expression of interest documents on behalf of manager.

EDUCATION

Oregon State University

March 2023

Master of Science in Mechanical Engineering with focus in Renewable Energy

Corvallis, Oregon

Thermo-fluid sciences, Renewable energy, Contemporary energy applications, International & US energy policy

Project: Heat exchanger design for a solar thermal desalination module to complete a zero liquid discharge cycle.

Published work: Anti-fouling rotating polymer-based heat exchanger for zero liquid discharge humidification-dehumidification desalination, <https://doi.org/10.1016/j.watres.2024.121749>

University of Engineering and Technology, Lahore

August 2016

Bachelor of Science in Mechanical Engineering

Lahore, Pakistan

Thermo-fluid sciences, Power plants, Energy resources & utilization, Environmental engineering

Project: Energy economics and applications of a *kalina cycle*-based waste heat recovery plant.

JOB RELATED SKILLS

- excellent leadership and team management skills: leading a team of 4 engineers and 10 technicians.
- good decision-making skills: responsible for effective group decision making and implementation on site.
- good command of HSE processes: Safety Passport holder, responsible for site safety procedures.
- time management skills: creating project timelines and meeting deadlines, follow-ups, implementing strategy.
- conflict resolution skills: keeping personal and professional relationships strong, stress management, emotional awareness, non-defensive, and respectful reactions to move past the conflict.
- good communication skills gained through my experience as Project Coordinator at Hadron Solar, bridging the gap between design and implementation team as well as coordinating with the client and vendors.

Professional memberships:

- Association of Energy Engineers – Young Energy Professional Member since 2024.
- Pakistan Engineering Council – registered engineer lifetime members since 2016
- Institute of Engineers, Pakistan – member since 2019
- Pakistan Engineering Congress – member since 2019

PROFICIENCIES

- *Solar PV Software:* PV-Sol, PVsyst, Helioscope, SketchUp, AutoCAD 3D
- *Design Software:* SolidEdge, SolidWorks, ANSYS, SAP2000, Fluent
- *Project Management and Documentation:* MS Project, MS Word and others, LaTeX
- *Languages:* English – fluent, Urdu/Hindi – native, Persian/Arabic – basic

HONORS AND AWARDS

- Received a funded Research Assistant position at WET lab, Oregon State University (2021)
- Got selected for 2nd round interview for Fulbright scholarship from United State Education Foundation (2019)
- Received a GRE fee waiver from United State Education Foundation in Pakistan for good score (2018)
- Nominated for best ‘Final Year Project’ by department of Mechanical Engineering (2016)
- Received merit-based laptop award worth PKR 50,000 from Chief Minister Punjab (2013)
- Granted a merit-based scholarship by National Outreach Program for admission in LUMS on merit (2011)
- Secured a merit-based scholarship from ILM College for outstanding performance in 11th and 12th grade (2010)
- Won English essay writing competition at Division, District and Tehsil level with worth PKR 30,000 prize (2009)
- Awarded a merit-based scholarship by PEEF for getting 94% marks in Matriculation worth PKR 72,000 (2009)

ADDITIONAL

Extra-curricular activities:

- Amal academy, an education start-up funded out of Stanford University: Completed a competitive written application and interview process to be selected from over 1500 applicants for intensive 3-month Fellowship funded by Stanford University. Invested 150 hours to develop business and professional skills (e.g., communication, leadership, problem solving, teamwork, etc.) that help make a deeper impact in profession.
- University of Engineering and Technology Media Society: Organized a “Youth, Leadership Media Symposium” attended by over 2,000 students from universities across Lahore. Founded a social media page “Humans of UET” which now has over 18,000 likes, interviewing students on campus.
- University of Engineering and Technology Science Society: Lead a team of 10 members as Director Logistics for the 2015-2016. Coordinated “Summit of Nation’s Youth, Engineers and Scientists” attended by over 3,000 students from universities across the country.

Standard exams and scores:

- GRE General: 323 (166 Quantitative, 157 Verbal, 3.5 Analytical Writing Assessment) valid through April 2023.
- TOEFL iBT: 107/120 (Reading 28, Listening 28, Speaking 26, Writing 25) expired August 2020.
- Duolingo English Test: 130/160 (Literacy 130, Conversation 130, Comprehension 140, Production 115)

Volunteer work:

- Volunteer enlisting of blood donors on-campus for UET Blood Donor Society.
- Launched “No Smoking Campaign” in UET campus using media society platform and campus walks.
- Volunteered at free medical and eye operation camp at Noor Community in my village.
- Education awareness drives in rural areas and communities to increase enrollment in local schools.

Hobbies and interests:

- Climate change, renewable energy especially solar PV research and development, geopolitics, and world affairs
- book reading (fiction, spiritual, self-help), photography, traveling, hiking, camping, fishing, DIY crafts etc.
- team sports like cricket, football, tennis, and adventure-sports etc.

Inspirations:

- Greta Thunberg (climate activist), Malala (youth activists), Abdul Sattar Edhi (philanthropist), Imran Khan (Face of change), Kamran on Bike (Cycling across the world), Shahid Khan (Pak-US businessman and engineer), Thomas Edison (America’s greatest inventor)

References: contact information to be provided on request

- [Syed Saqib](#), Assistant Professor, Department of Mechanical Engineering, UET Lahore, Pakistan.
- [Waqas Haroon Moosa](#), CEO and Director Marketing, Hadron Solar Pvt. Ltd. Lahore, Pakistan.
- [Dr. Bahman Abbasi](#), Assistant Professor, Oregon State University.

Profile

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☒ Citizen's Energy Advisory Commission

Please select your fifth Board preference: *

☒ Citizen's Energy Advisory Commission

Please select your sixth Board preference: *

☒ Citizen's Energy Advisory Commission

Bekim

First Name

Sejdiu

Last Name

Middle
Initial

417 West Peace Street

Street Address

Apt 529

Suite or Apt

Raleigh

City

NC

State

27603

Postal Code

What district do you live in?

None Selected

Home: (919) 656-1417

Primary Phone

Business: (704) 371-7874

Alternate Phone

bekimsejdiu@ls3p.com

Email Address

LS3P

Employer

Senior Sustainable Design
Specialist

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

☐ Yes ☒ No

In order to assure countywide representation, please indicate your place of residence:

☒ Raleigh

Interests & Experiences

Why are you interested in serving on a Board or Commission?

My background is well suited to providing input on the reduction of energy usage and I would like to volunteer some of my time to helping the local community become more energy resilient. I focus on a passive first, active systems second approach. This helps to reduce the need for renewables to begin with, as the greenest energy is the energy we don't have to use. As an added benefit, it also provides building design outcomes that are more resilient to future climate fluctuations.

Work Experience

Almost a decade as an architect with focus on sustainable design practices across every major building typology.

Volunteer Experience

Boys & Girls STEAM Club Event Novant Health Tree Planting Event USGBC Related Events

Education

UNCC - Bachelor of Arts & Architecture UNCC - Master of Architecture

Comments

Feel free to reach out to bekimsejdiu@ls3p.com for any further questions.

[Resume_Sejdiu.pdf](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Date of Birth

Gender *

☒ Male

Ethnicity *

☒ Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

☒ Current Wake County Volunteer

If you selected "Other" above, how?

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

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BEKIM SEJDIU LEED AP | WELL AP | LFA | CPHC | RA | NCARB Advisor

Senior Sustainable Design Specialist (SSDS) | Bioclimatic architect | Urbanist | Fabricator

417 West Peace St, Apt 529, Raleigh NC 27603 | (919)-656-1417 | Bsejdiu942@gmail.com

REGISTRATIONS

- Registered Architect: NC
- LEED AP BD+C (USGBC)
- WELL AP (IWBI)
- LFA (Living Future Institute)
- CPHC (Passive House)
- AIA
- CDT (In Progress)
- NCARB Advisor: NC

ENGAGED COMMUNITY

- AIA, Committee on the Environment (COTE) NC Leadership Board
- USGBC NC
- Mindful Material R&D
- ILFI
- NCARB Advisor Community
- UNCC Guest Speaker
- CLF Southeast Hub
- AIA Asheville COTE Speaker

SOFT SKILLS

- Client relationships
- Effective Communication
- Charrette Management
- Organization
- Time Management
- Mentorship
- Sustainable Cultural Shifts
- Public Speaking
- Fostering innovation
- Conflict Resolution

GENERAL SOFTWARE SKILLS

- Revit/Rhino/Sketchup
- Adobe Illustrator
- InDesign
- Photoshop
- PPT/Word/Excel
- Lumion/V-RAY
- Grasshopper/Dynamo
- Newforma
- EvolveLab VERAS (AI)
- Midjourney (AI)

CLIMATE SOFTWARE SKILLS

- Cove Tool/Vitras (Cove/AI)
- Insight
- Autodesk Forma
- Autodesk CFD
- Sefaira
- ClimateStudio
- WUFI
- Ladybug
- Tally
- One Click LCA
- Energy + Daylight Modeling
- PV Array + Battery Modeling

PROFILE & MOTTO - "We will design a future worth living in."

Bringing in nearly a decade of professional experience as an architect, R&D specialist, & Sr. Sustainable design specialist, Bekim provides extensive knowledge and leadership in design outcomes supported by a systems thinking approach. This includes firm-wide design support across 12 offices via strategic environmental leadership, contract scoping, passive design integration, regenerative practices, and education across multiple building scales, typologies, and master plan projects.

Duties include coordinating and advising design teams, consultants, clients, and contractors on the latest advancements in high performance & holistic design standards. Internally, these duties expand to managing firmwide sustainable design specialists and supporting the needs of our Sustainability Leader. Bekim assists in RFP proposals, conceptual & biophilic design charrettes, green specifications, narrative crafting, and taking an integrated design approach for building analysis & story telling. These simulations/tracking systems explore energy, water, operational & embodied carbon, waste, health, ecology, and other related metrics that become part of the project story. Bekim is familiar with and works across multiple 3rd party rating systems (LEED, WELL, Passive House, Living Building Challenge, etc) and provides successful certification outcomes for clients.

Bekim serves on the NC Committee on the Environment (COTE) leadership board advocating for better environmental policy making by promoting strategies in NC relating to: passive house level energy performance, embodied carbon, & circular economy standards. Side engagements include being a reviewer for sustainable design studios in addition to R&D focusing on topics such as: eco-façade tech, material innovations, sustainable urban & computational frameworks, 3D printing and other emerging technologies. Bekim also serves as the NCARB advisor for LS3P + the state of North Carolina for emerging professionals seeking licensure and speaks publicly on various subjects around design excellence & energy performance.

EXPERIENCE

Senior Sustainable Design Specialist - Architect II - LS3P Associates 3 Years - (Q2 2022 - Present) Full Time

- Duties include generating & leading firmwide sustainability efforts and initiatives; advises project teams such as architects, interiors, and urban planning professionals on thoughtful integration of design excellence and working directly on projects (SD through PO) as needed.
- Manages and coordinates third-party green building rating systems certification efforts such as LEED, WELL, Fitwel, Living Building Challenge, etc.
- 2030 Reporting Lead & Firmwide research publications (Energy, Mass Timber, DFD).

Architect II - LEED/WELL Project Manager - LS3P Associates 6 Years - (Q2 2016 - Q2 2022) Full Time

- Duties include conceptual design assist, rendering, code research, detailing, SD through CD drawing set services in addition to sustainability certification management.
- Typologies: high rise office/residential, retail, hospitality, healthcare, federal, higher education, corporate HQ, Brewery, retrofits, & Manufacturing/Utility Facilities.

R&D + AWARDS

- **R&D: URC Award** - Daylighting as a mode of form making
- **R&D: Seoul Biennale** - Sustainable Urbanism R&D
- **R&D: Appalachian Energy Summit** - Reimagining the Membrane
- **R&D: WEDEW** - Wood to Energy Deployable Emergency Water
- **Award: Excellence in Architectural Technology** - UNCC
- **Award: COTE Top 10** - Up-Lift Technology Tower
- **R&D: Architect Magazine** - R&D Award Microalgae Facades
- **Award: Gold & Silver Shovel Award** - Centene HQ/Technology Hub
- **Award: ENR Southeast Best Project + Urban Design Award** - Vantage South End

EDUCATION

Master of Architecture - University of North Carolina at Charlotte
Sustainable Design Specialty & Excellence in Technology

Bachelor of Arts & Architecture - University of North Carolina at Charlotte
Martin Scholar - Honors College - AAHP

Relevant Project Experience

LEGO Campus - Manufacturing - Richmond VA - (LEED & WELL Platinum, LEED Zero Energy, Carbon, & Water)

- Role & Activity: Sustainability Stream Lead - managing all sustainability endeavors.
- Overseeing the master sustainability plan for a \$1 Billion 1.7 million SF manufacturing campus with goals relating to decarbonization, sustainable site development & design, healthy spaces, biophilic design, Life-Cycle Assessment, and 3rd party certifications.
- Managing 3rd party credit documentation for LEED, WELL, & Virginia Pollinator Program.
- Green Specification manager of section 018113 and material restrictions/vetting.
- Design for Disassembly & material reuse strategy manager (60+ years design manual).
- Coordination of sustainability responsibilities across 40+ project team members.

Centene Campus - Corporate HQ - Charlotte, NC (WELL Platinum)

- Role & Activity: Project Architect & WELL Project Manager - health & wellness oriented design
- State of the art 800k SF headquarter campus comprised of office, cafeteria, & day care center with high health & wellness objectives.
- Managed biophilic design elements both exterior and interior in addition to construction documentation and detailing of the facility.
- Provided WELL documentation for IWBI submission and pre-certification.
- Technology Hub award (2021)

Vantage South End Campus - Core & Shell Office/Retail/Hotel/Campus - Charlotte, NC (LEED Silver & O+M)

- Role & Activity: Project Architect & LEED Project Manager
- 640k SF Project providing revitalization to an urban brownfield with two commercial office towers, retail, hotel, & urban design integration with client interest in sustainable design services.
- Executed through design services, generated biophilic elements (balcony design + materials), & documented CDs/details.
- Lead sustainability initiatives including scorecard and credit documentation package for USGBC.
- Developed Sustainable Tenant Guidelines for all future tenants interested in pursuing a Green Lease.
- Awarded ENR Best Project for Office/Mixed Use (2022) & Urban Design Award (2025).

Hilton Head Island Affordable Housing - Multifamily - Hilton Head, SC - (Passive House, Net Zero Energy)

- Role & Activity: Project Architect Lead & Net-Zero Carbon Designer
- Schematic designer for net-zero energy operating & low embodied carbon affordable housing adopting passive house principles, mass timber, and prefab manufacturing for cost effective and accessible housing units.
- Managed developer's charrette & high expectations for sustainable design integration by providing master planning & RFP presentation materials for 200+ unit multifamily development submitted to the town of Hilton Head. City noted as "Unique & innovative solution".

Mosaic - Multifamily + Townhomes - Greensboro, NC (Energy Star, Passive House Designed, Mass Timber)

- Role: Sustainability Lead & Design-Assist
- 260k SF multifamily + In progress Townhomes. Managing sustainability charrette/OPR, net zero operations, PV Potential, daylighting potential, biophilia, and LCA driven decision making.
- Project trending towards Passive House Compliance.

Confidential Client - Brewery Facility - Charleston, SC - (Living Future Core Certification, Net Zero Energy)

- Role & Activity: Conceptual design assist & LFA Lead
- Managing the sustainability endeavors of a next-gen brewery campus with specific energy offsetting goals.
- Executed through the analysis of energy and water usage to provide design directions for master plan, renewable energy generation, envelope considerations, and programmatic layout.
- Managed through certification and documentation for Living Future pursuits.

Overlook - Core & Shell Office Tower - Charlotte, NC (LEED Certified, Energy Star, WELL H&S)

- Role & Activity: Sustainability Lead & Advisor
- 320k SF C&S Office tower with LEED, Energy Star & WELL support. Managed the project goals around energy and general sustainability objectives, including credit documentation, strategies, and narratives.
- Customized Tenant Guidelines Manual for all future tenants interested in pursuing a Green Lease.
- Weighlisted 2nd Place Energy Star Project of the year - (2021)

JP II Catholic Center - High School - Greenville, NC (Net Positive Energy, Passive Design)

- Role & Activity: Sustainability advisor & Passive House Consultant.
- High school innovation center with specific sustainability goals in energy performance. Provided guidance to the project team and key design features to be considered to lower operational costs and foster net zero energy goals. Project is trending to generate more power than it uses.

Other Projects - 300 S. Tryon (C&S Office Tower - LEED Gold), 600 S. Tryon (C&S Office Tower - LEED Silver), Dimensional Place (C&S Office Tower - LEED Gold), The James (Residential Tower), The Nexus (Residential Tower), AC Marriott South Park (Hotel), Canopy By Hilton (Hotel), Duke Energy Operations Center, Hondros-Edge Water (MOB), Tribek Ingleside (MOB), CHA Wake Tech Affordable Housing Campus (Multifamily), UNCG Library (Retrofit/Addition), & Wakemed Hospital Campus (Ground-up)

Relevant Firm Engagement Experience

Integrate (Internal Firmwide Sustainability Design Group) - 2020 - 2025

- Role: Co-lead & Advisory Panel
- Engagement including the production of the Sustainability Work Services, AIA 2030 logistics, education, & submission, general sustainability education & bootcamp, internal passive house materials, green specification templates, OPR Templates, & 3rd party certification templates.

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☒ None Selected

Grant
First Name

Middle
Initial

Layton
Last Name

411 Fayetteville St
Street Address

Suite or Apt

Raleigh
City

NC
State

27330
Postal Code

What district do you live in?

None Selected

Mobile: (919) 356-4804
Primary Phone

Mobile: (919) 356-4804
Alternate Phone

grant.layton@duke-energy.com
Email Address

Duke Energy
Employer

Account Executive
Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

☐ Yes ☒ No

In order to assure countywide representation, please indicate your place of residence:

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Work Experience

Volunteer Experience

Education

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