

BARBARA "BJ" ALLEN

EDUCATION

- University of Minnesota
Duluth
Engineering Management
Thesis: "Adopting
Sustainable Innovations"
Advisor: Dr. Hongyi Chen
Master of Science
2019
- University of San Diego
Electrical/Electronics
Engineering
Minors in Mathematics
and Philosophy
Bachelor of Science
1993
- PMP® Project Management
Institute, Project
Management Professional
- Master A Electrician,
Minnesota License
#AM778254

EXPERIENCE

- DEPUTY DIRECTOR | 08/2022 - PRESENT
REGION FIVE DEVELOPMENT COMMISSION &
NORTH CENTRAL ECONOMIC DEVELOPMENT ASSOCIATION
 - Represent R5DC on local, regional, state and national levels.
 - Develop and enact Regional Climate Resilience Plan.
 - Seek opportunities and apply for grants in support of Climate Resilience Plan.
 - Deliver energy and environment planning and technical assistance to local units of government, businesses and the general public.
 - Assume responsibility for daily operations in the absence of the Executive Director.
 - Monitor grant applications for compliance and sets guidelines specific to projects and programs for Energy, Environment and Climate change mitigation.
- PRESIDENT | 06/2019-PRESENT; 06/2011-06/2013
JBJ WORLD INDUSTRIES
 - Set up collaboration with regional economic development organization, applying for and receiving funding to conduct climate change resilience planning with small cities.
 - Developed climate change resilience planning program, initiating, planning, executing, monitoring and closing projects.
 - Conducted research and development activities related to climate change and environment.
 - Energy & Environment education and hands-on solar installation training delivery.
 - Awarded Federal Women-Owned Small Business and HUBZone designations.
- ENGINEERING ADJUNCT FACULTY | 8/2021 -12/2021
CENTRAL LAKES COLLEGE
 - Conducted research regarding engineering program options, exploring whether the college should redesign and reopen the offering, or close it.
 - Designed and completed report, and engaged stakeholders.
 - Presented the College Vice President and Dean with project results.

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EXPERIENCE | PAGE 2

SENIOR PROJECT MANAGER; OPERATIONS MANAGER

09/2014-05/2019; 06/2000-06/2011

RURAL RENEWABLE ENERGY ALLIANCE

- Continuously delivered construction project management lifecycle for multiple projects, initiating, planning, executing, monitoring, closing.
- Completed renewable energy system design utilizing best products for application.
- Evaluated system performance based on specific site variables and conducted cost estimating including financial return.
- Procured materials, scheduled jobs, submitted billing.
- Collaborated externally with multiple stakeholders, including utilities, funders, inspectors, governmental agencies, and others.
- Assisted in development of strategic agenda and business planning.
- Invented solar energy product and developed manufacturing process and expansion.
- Developed supply chain for new product utilizing lean manufacturing principles.
- Consistently and successfully advocated for low-income solar energy and project development, including fund development.
- Supervised, hired, trained employees.

DIRECTOR | 05/2013 - 09/2014

COMMUNITY ACTION

- Managed \$4 million in Federal, State, and utility grants for energy efficiency.
- Transformed the Department from state suspension to full compliance and active collaboration.
- Supervised 8 employees, oversaw up to 50 jobs in the field at a time.
- Set program goals and ensured production standards were met.
- Modernized and re-tooled antiquated systems and processes, including training delivery to staff in new systems.

HONORS & AWARDS

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| • Bush Prize for Innovation | 2019 |
| • U.S. Department of Energy Solar in Your Community National Award | 2019 |
| • Clean Energy Resource Teams Women In Energy | 2018 |
| • University of Minnesota Duluth QMA Scholarship | 2017 |
| • Mandela Washington Fellowship | 2017 |
| • U.S. Department of State Reciprocal Exchange to Zambia | |

PATENTS & PROFESSIONAL & CIVIC AFFILIATIONS

Edens, J.W., Allen, B.J., Hayden, S.J., Wright, G.S., "Solar powered furnace and furnace array," Unites States Patent No. 8757143, 2009.

Balsam Moon Preserve, Pine River, nonprofit Board Chair since founding
Clean Energy Resource Teams, St. Paul, Committee member
Project Management Institute Member