
Peter McPhee

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PROFESSIONAL EXPERIENCE

Massachusetts Clean Energy Center

Project Manager, Renewable Energy Generation Division

Boston, MA

Jan. 2010 – Present

Micro Wind Program

- Program Manager of Massachusetts' small wind rebate program (up to 99 kW)
- Overseeing annual program budget of \$500,000
- Ultimately responsible for program design, including determining incentive structures, eligibility guidelines, program documents
- Manager of 40+ ongoing small wind projects

Community Scale Wind Program

- Co-Managing State's Community Scale Wind grant program (100 kW to 10 MW)
- Assisting in overseeing \$8 Million annual program budget
- Technical lead on developing Massachusetts utility-scale wind granting program
- Providing primary review and evaluation of over 100 project proposals per year
- Ongoing project manager for over 30 feasibility studies and design/construction projects

Green Schools Initiative

- Program Manager for Massachusetts' Green Schools grant program
- Overseeing over \$2 Million of ongoing green building and renewable energy project grants

KEMA, Inc.

Project Manager and Senior Engineer

Coordinator, Wind Energy Practice Area, KEMA Americas

Burlington, MA

June 2007 – Jan. 2010

Project Management

- Served as project manager and client contact for multiple renewable energy consulting projects
- Task manager for renewable energy program evaluations and policy construction
- Acted as a knowledge and resource coordinator of KEMA's internal wind expertise

Renewable Energy Projects

- Served as the wind resource and project development lead for KEMA's American wind practice
- Led or supported utility-scale wind feasibility studies for seven MA community wind projects
 - Regularly interfaced with town energy committees and local government
 - Delivered presentations and addressed concerns at town and committee hearings
- Completed policy, economic, and technical analysis of solar PV installations and programs
- Analyzed economic viability of renewable energy development and ownership options

Sustainable Energy Consulting

- Expert in small and utility-scale wind energy markets and development processes
- In-depth knowledge of technical and market issues surrounding photovoltaics and solar thermal
- Strong understanding of current technical and policy issues concerning energy storage, power transmission and distribution, energy efficiency, and demand response
- Knowledgeable of tidal power, hydropower, and biomass

EDUCATION

The Johns Hopkins University

M.S.: Mechanical Engineering
Fellowship: Mechanical Engineering Research Fellowship

University of Massachusetts-Amherst

B.S.: Mechanical Engineering
Honors: Best in Class, Department of Mechanical Engineering
Exchange: Universität Karlsruhe, Germany

Certifications, Affiliations, and Memberships

- LEED Accredited Professional (LEED A.P.), June 2009
- Passed Fundamentals of Engineering (F.E.) Exam, October 2007
- Expected Professional Engineer (P.E.) license, Spring 2011
- Affiliate, UMASS-Boston Center for Rebuilding Sustainable Communities After Disasters
- Member, American Society of Mechanical Engineers
- Member, Phi Kappa Phi Honor Society

LEADERSHIP AND VOLUNTEER EXPERIENCE

Volunteer Member

June 2009 – Present

Somerville Commission on Energy Use and Climate Change (CEUCC)

- Assisting the City of Somerville in planning and implementing sustainable energy use projects
- Deliberating EECBG funding application and potential city sustainability projects

Energy Systems Engineer

Oct. 2008 – Present

EarthSpark International

- Overseeing engineering and logistical issues associated with deploying distributed solar systems in communities in Haiti
- Implementing a solar energy infrastructure, including development of a clean energy store, purchase and sales of photovoltaic systems, and training of local staff for system installation
- Assisting in organizational changes and rebranding efforts for the non-profit

Representative, Department of Mechanical Engineering

Sept. 2006 – May 2007

Johns Hopkins Graduate Representative Organization (GRO)

- Represented over 80 students in the university's graduate student government
- Acted as a liaison between the GRO, university administration, and department students
- Review Committee for Community Grants: allocated \$10,000 in funding for community projects

Chair: Environmental Responsibility Committee

- Appointed committee members and established communications with university deans
- Administered committee actions in accordance with university practices
- Closely cooperated with the Sustainability Director to implement university policies

Chapter Co-Organizer

June 2006 – May 2007

Chesapeake Climate Action Network (CCAN) - Baltimore Chapter

- Led local efforts of a non-profit organization for better air quality standards in Maryland
- Jointly responsible for organizing a network of over 2,000 members in the Baltimore Chapter

Co-Chair: Political Committee

- Coordinated political lobbying and outreach efforts of 40 volunteers
- Compiled and analyzed legislative stances of state and federal politicians

References available upon request