

John Izevbigie *Consultant*

EXPERTISE

- Project Management; Solar PV Deployment
- Energy Analysis; Financial Analysis
- Solar PV Design
- Solar PPAs / Leases / Community Solar
- Energy Efficiency Analysis

CREDENTIALS and BACKGROUND

- 50-Site, 11MW Solar PV Portfolio Delivered in DC
- MEng, Clean Energy Engineering, University of British Columbia
- BAsc, Civil & Environmental Engineering, University of Pittsburgh



SUMMARY

John brings extensive experience in commercial solar deployment, technical management consulting services, and project management / project delivery. John combines a renewable energy engineering background with strong project management and analytical skills.

As Project Manager at Lightbox, John oversaw the feasibility, procurement, and delivery of 11+ megawatts of solar PV for the District of Columbia Department of General Services. This 50-site project is one of the largest urban on-site solar deployments in the United States.

In addition to his work at Lightbox, John brings deep experience as an Energy Associate at Nexight Group (Silver Spring, MD), and as an Energy Management Analyst at Canfor (Prince George, BC).

NOTABLE PROJECTS

- SmartRoof Program, District of Columbia Department of General Services
Served as project manager for the nation's first comprehensive roof-based cleantech implementation, deploying solar PV, cool roofs, and vegetated roofs, to the greatest extent feasible, on District government buildings. This program has led to over three million ft² of smart roof installations, including over 11 MW of solar PV deployment. The solar PV component of this project was recognized by *Renewable Energy World* as a top-3 finalist for the renewable energy project of 2017 (worldwide).

Through his management of this project, John employed his knowledge of distributed energy resources, local and regional energy markets, net metering regulations and structures, solar renewable energy certificates (SRECs), utility interconnection, and local and state solar permitting requirements.

Lightbox

- **CrossBoundary Energy Market Research & Synthesis Assignment**
Managed creditworthiness investigation of counter-party to ascertain to what extent company will be able to fulfill agreed-upon Power Purchase Agreement terms. Produced a thorough report scrutinizing the counter-party's long-term viability in light of local and global competition, soundness of their business strategy, and strength of their corporate commitment to renewable energy.
- **National Infrastructure Advisory Council**
Provided technical and analytical support for the National Infrastructure Advisory Council (NIAC) study on long-duration power outages, researching, analyzing, and synthesizing data and reports pertaining to electricity mutual assistance agreements, natural gas – electricity interdependency, and bulk power system reliability and resiliency assessments.
- **American Public Power Association Playbook**
Led the development of Cyber Incident Response Playbook for American Public Power Association (APPA) to help utilities prioritize response actions during a cyber incident. Conducted more than 20 interviews with APPA members, assessed more than 100 on-line resources, developed client briefs and workshop presentations to review content, and led weekly calls and communications with client staff.
- **Northwood Pulp-Mill Dryer Secondary Heat Recovery Augmentation**
Evaluated primary and secondary heat recovery systems applicable to Northwood's air dryer system. Analyzed current air system, designed a process-flow diagram, and determined recoverable heat loss through exhaust stacks. Proposed an indirect secondary air-to-water heat exchanger estimated to produce annual energy and cost savings of 650GJ and \$1.9mm, respectively.

ADDITIONAL EXPERIENCE

- Operations Intern, Crown Castle; Pennsylvania
- Junior Project Engineer, Grunley Construction; Maryland
- Junior Project Engineer, American Contracting & Environmental Services; Maryland

TECHNOLOGY AND SPECIAL SKILLS

- Operating Systems – MS Windows and Apple MacOS
- Software – MS Office, AutoCAD, Helioscope, SAM, Tableau, RetScreen, EnergyPro
- Programming Languages – Matlab, VBA
- Safety – OSHA 10 Construction Safety Certificate
- Roofing – NRCA Roofing 101 Certificate
- Foreign Languages – Basic knowledge of Spanish and Yoruba