

Jonathan Blair

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.

Boston, MA

Senior Managing Consultant

A member of E3's Integrated System Planning group, Mr. Blair provides day-to-day client support, drafting of written testimony, report writing, and qualitative analysis across a broad array of clean energy topics. He has managed projects including resource assessments for utilities and due diligences related to utility generation and transmissions assets. He led the E3 team that built and tool for assessing the auxiliary loads associated with generation or storage sites, a tool that can be adapted to different jurisdictions based on the location of proposed installation sites. He has also contributed to several utility integrated resource plans.

Prior to joining E3, Mr. Blair was the General Manager for a public power utility where he was responsible for portfolio management, strategic planning, and operations. Leading a small, vertically integrated utility also provided him with firsthand experience in planning, developing, and managing infrastructure throughout the power supply chain, including generation, transmission, and distribution assets. He began his career as a nuclear submarine officer in the United States Navy. Mr. Blair holds an M.B.A. from Boston University and a B.S. in Nuclear Engineering from Purdue University.

Select E3 projects include:

Confidential Client, Hydrogen Pipeline and Market Assessment (2024). Managed E3's assessment of the potential market for hydrogen as a low-carbon energy carrier in the Desert Southwest. Project focused on the impact that a hydrogen pipeline would have on the development of a hydrogen economy, with an emphasis on the unique challenges and constraints associated with an infrastructure project.

Yukon Energy Corporation, Winter Resource Study (2023). Managed E3's assessment of Yukon Energy Corporation's short-term (<10-year) winter resource needs. Applied experience with and passion for the smaller public power market to understand YEC's constraints, interests, and operations. Through the engagement, E3 made a recommendation for resource additions based on the suitability of resources and their alignment with Yukon's constraints and interests.

Integrated Resource Plans for Arizona Public Service and Public Service Company of New Mexico (2023). Provided qualitative analysis included in the final integrated resource plans of two southwest utilities. Focused on broad issues related to utility planning including policy integration, the reliability of the distribution system, and transmission interconnections.

IPSWICH ELECTRIC LIGHT DEPARTMENT

Ipswich, MA

General Manager

2017 – 2023

- Led electric utility with direct responsibility for over \$30 million in assets, \$20 million annual operating budget, 21 staff members, and 10 megawatts of conventional and renewable generation

- Satisfied power requirements for over 7,000 customers in municipal electric distribution system by identifying, negotiating, and executing power supply contracts, including solar, wind, hydroelectric, and storage technologies; achieved balanced power portfolio while managing costs, mitigating risks, and reducing carbon-intensity by half over a 5-year period
- Responded assertively to new climate goals and emerging market forces by innovating programs for electrification, including the development and implementation of “ReSource,” a first-in-state decarbonization program providing customers with comprehensive energy audits, targeted incentives, and unique financing opportunities
- Established strategic vision and led measurable progress toward specific goals, including the creation of restricted funds for future investments in developing carbon-free generation and energy storage, as well as providing for the decommissioning of legacy generation assets; managed projects to integrate advanced metering, expand power grid infrastructure, and evaluate cost-of-service and rate design
- Leveraged knowledge of generation, capacity, and transmission markets to conceive, develop, and implement prudent business strategies, including transitioning a local power plant to reduce behind-the meter peak load, resulting in avoided costs of over \$1 million annually

Operations Manager

2016 – 2017

- Improved workflows, established internal controls, and built resiliency, earning national recognition as a Reliable Public Power Provider from American Public Power Association for operational excellence in the areas of safety, reliability, compliance, workforce development, and system improvement
- Increased ancillary service revenues by over 200% through new leases for 5G and fiber optic communications, as well as renegotiation of terms for existing contracts
- Collaborated with stakeholders across multiple organizations to provide technical assistance and evaluation of energy performance, contributing to municipality earning formal designation as a “Green Community” by Massachusetts Clean Energy Center

UNITED STATES NAVY

Boston, MA

Assistant Professor of Naval Science

2013 – 2016

- Delivered professional training on an array of technical topics, demonstrating the ability to rapidly synthesize and expertly communicate complex information in a clear manner using both verbal and printed formats; expertly navigated from classroom to boardroom, tailoring messaging appropriately to fit diverse audiences
- Cultivated relationships with senior leaders in the local government, academic, and business communities, creating new opportunities for collaboration

UNITED STATES NAVY

New London, CT

Submarine Engineering & Operations Division Officer

2009 – 2013

- Demonstrated technical aptitude in directing the operation, testing, and maintenance of shipboard nuclear power plant, including reactor dynamics, steam plant controls, and electrical distribution

- Developed and led high-performing teams in missions critical to national security onboard USS DALLAS, allowing ship to meet all operational requirements and contributing to earning Battle Efficiency award

Education

Boston University Boston, MA
M.B.A., Sustainability 2016

Purdue University West Lafayette, IN
B.S., Nuclear Engineering 2009

Professional Associations

Board of Directors – Massachusetts Municipal Wholesale Electric Company 2022 – 2023
Treasurer, Board of Directors – Northeast Public Power Association 2020 – 2023
Board of Directors – Berkshire Wind Cooperative 2019 – 2023