

Pearl F. Gray

215.570.0671 • PEARLFGRAY@GMAIL.COM • 2 LAWRENCE ST NYACK NY 10960

EDUCATION

Columbia University, School of International and Public Affairs (5/2012)

New York, NY

Master of Public Administration in Environmental Science and Policy

United States Merchant Marine Academy

Kings Point, NY

Bachelor of Science in Marine Operations and Technology (6/2005)

Commission Lieutenant, United States Naval Reserve

PROFESSIONAL EXPERIENCE

Columbia University

Assistant Director MPA in Environmental Science and Policy

11/8/2021-present

Envirofx

Environmental Consulting Group

7/1/2019-present

- Consulting individuals and small businesses meet their environmental impact reduction goals
- Communication of environmental science to non-scientist through written and visual mediums
- Consulted with local waste collection on separation of organic and non-organic waste for composting from small businesses
- Developed programming with local elementary school and parent volunteers to separate waste streams and grow gardens to bring awareness to food production
- Work with local non-profits and volunteers on water issues
- www.envirofx.org

United States Merchant Marine Academy

7/9/2019-2/28/20

Adjunct Professor of Marine Transportation

- Operate complicated interactive navigation and bridge resource management simulation a culminating experience in the training of new licensed Third Mates
- Guided over 100 college seniors in applying to practical navigation simulations
- Managed a complex integrated computer simulation bridge system

Pace Energy and Climate Center

10/1/2014-12/12/18

Energy Policy Analyst

- Organize outreach and stakeholder events, coordinate logistics, and communicate with speakers
- Editor and collaborator in numerous publications across energy consumptions and generation modalities
- Conduct policy research, organize, and conduct stakeholder meeting for implementing the use of LNG as a maritime fuel in the port of NY/NJ
- Research and create a Regional Sustainable Energy Dataset to communicate tools/funding available to municipalities and catalog municipal best practices for distributed energy resources and resiliency
- Analysis and communication of combined heat and power applications for the Department of Energy: participate at directors meeting influencing the future focus of the program, develop case studies on successfully operating sites, create and deliver educational presentations, monitor CHP markets
- Drafted pilot proposals for electric vehicle-to-grid integration, electric vehicle car share program, storage ownership structures, interconnection and capacity planning, equity in access to electric vehicles and charging stations in the Maryland PC 44 proceeding
- Research, presentations, and outreach for the Quebec Delegate General's office of economic development for integrating Quebec based energy and waste management companies into the regional economy by connecting them with government organizations, educating the companies on the policy related opportunities arising, and advising them on integration strategies
- Organize combined heat and power exhibition and energy LEED education program
- Research and analyze state and federal policies and market trends for advanced waste-to-energy

- Contributed to the creation of the Value of Solar Center of Excellence web-based tool of resources for promoting the use and implementation of an innovative process for valuing the application of distributed solar and other distributed resources to the main electrical grid as a competitor for net energy metering
- Tracked solar policy and market trends across the Northeast including net metering, value of solar, interconnection, and community solar issues
- Manage and oversee multiple Federal and State grants and grant applications: prepare and submit budget justification and generate monthly, quarterly, and annual reports for multiple grants

Riverkeeper

11/2012-5/2013

Fellowship

- Organized and led recruiting events
- Assisted with volunteer organization, set up, and activities
- Communicated action alerts, wrote Facebook, blog, and Twitter posts
- Conducted survey for permit compliance of wastewater treatment plants along the Hudson River
- Research Clean Water Act, Safe Drinking Water Act, wastewater treatment standards, effluent guidelines for petitions to State government to repair the health of the Hudson River and watershed

Office of Long-Term Planning and Sustainability

5/2011-5/2012

Graduate Consultant

- Researched existing community-level energy reduction initiatives and presented results
- Communicated finding with city officials and community residents

New York City Department of Environmental Protection*Operations Coordinator*

1/2010-12/2010

- Managed weekly crew scheduling for 60 employees
- Supervised the operation and scheduling of five vessels
- Created a tracking system to increase transparency and streamline overtime scheduling
- Successfully improved workflow and communication between vessels and production/processing plants resulting in 30% reduction in unscheduled vessel operations

Third Mate

8/2009-5/2011

- Responsible for navigating three unlimited-tonnage vessels in crowded inland waterways
- Facilitated the navigation, safety, and maintenance of two small survey vessels used for regular water sample collection and as a scientific research platform

Grace Lines Shipping Company*Owner Operations Assistant*

9/2008-7/2009

- Oversaw operational functions for a fleet of 13 bulk carriers

Shipboard as Third Mate

6/2005-12/2009

*Licensed deck officer responsible for a navigational watch, cargo operations, and safety***Shipboard as Qualified Member of Engineering Department**

6/2005-12/2009

*A junior engineer responsible for mechanical maintenance and monitoring***SELECTED PUBLICATIONS**

[The Clean Power Plan Puzzle: The Future of Efforts to Control Climate Pollution in the Northeast](#).2015.PECC
 Reducing Greenhouse Gas Emissions in New York City: A community Challenge.2012.Columbia University
 Coastal Jobs Creation Act of 2011-HR 594.2011.Columbia University

ACCREDITATIONS*License*

US Coast Guard Third Mate, Any Oceans Unlimited Tonnage

Endorsements

Qualified Member of the Engineering Department (QMED)

COMPUTER SKILLS

Windows/Macintosh applications, GIS, SPSS, Microsoft Office, Adobe Acrobat, HTML, WordPress, Social Media