

SEAN MURPHY, Ph.D., CEP

EDUCATION

Ph.D., Forest Management, University of Maine, 2003

M.A., Environmental Management, Yale School of Forestry and Environmental Studies, 1994

B.A., Dartmouth College, 1988

AREAS OF EXPERTISE

Mr. Sean Murphy has program management and experience in the following general areas:

- Project Management
- Transmission Permitting
- Hydropower Licensing
- Strategy Development
- Environmental Permitting
- Regulatory Analysis
- Environmental Management Systems
- Compliance Training

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

Academy of Board Certified Environmental Professional (#14051416)

REPRESENTATIVE EXPERIENCE

Mr. Sean Murphy is the Planning, Permitting, and Licensing Practice Leader for the Augusta, ME office, with responsibility for administrative operations, staff performance, and business development. Mr. Murphy oversees 20 staff with extensive experience in supporting regulatory, environmental, and spatial analysis activities. He has over 15 years of experience in environmental permitting, strategy development, and project management, with direct experience in Section 404 and Section 10 permits for the US Army Corps of Engineers, NEPA environmental analysis, Section 7 Endangered Species Act consultations, FERC hydropower relicensing, and state-level permitting. Past clients include power transmission and generation companies, law firms, commercial lenders, manufacturing facilities and other commercial and government agencies.

Representative projects include:

Champlain Hudson Power Express, Transmission Developers, Inc.:

Mr. Murphy serves as Project Manager for all permitting activities related to a 335-mile submerged HVDC electric transmission cable that connects generation in Canada with New York City. The project travels through the waters of Lake Champlain, the Hudson River and Harlem River and as such is subject to federal jurisdiction as well as regulatory oversight by the state of New York. He acted as

the primary liaison with federal and state agencies, as well as non-governmental agencies, and negotiated a Joint Proposal of Settlement that included seven state agencies, three environmental NGOs, City of New York, and a utility. Mr. Murphy supervised the development of all permit applications, including the field, engineering and regulatory efforts. The project has received approval from the New York State and DOE with final federal approvals pending.

New England Clean Power Link, Transmission Developers, Inc.:

Mr. Murphy is responsible for all federal permitting activities related to a 155-mile submerged HVDC electric transmission cable that connects generation in Canada with Vermont. He authored the Presidential Permit application and is supporting the development of multiple federal and state permit applications. He serves as the primary liaison with DOE and US Army Corps of Engineers.

Lake Erie CleanPower Connector, Lake Erie Power Corp.:

Mr. Murphy led the US and Canadian permitting effort for this 70+ mile HVDC cable project across Lake Erie. He supervised field studies, application development and consultation with state and federal agencies.

Confidential HVDC Transmission Project, Maine:

Mr. Murphy developed the permitting strategy for a proposed HVDC transmission project in Maine. He authored a Permitting Overview Document that discussed the project, its environmental impacts, and the overall regulatory issues. The project is currently on hold.

Confidential Wind Project, Franklin County, Maine:

Mr. Murphy authored a site characterization assessment for the site which included an overall permitting strategy. He led initial consultations with state and federal agencies and application development until the project went on hold.

Number Nine Wind Farm, Horizon Wind, Aroostook County, Maine:

Mr. Murphy served as project manager for the Number Nine Wind Farm, a 250 MW industrial wind farm proposed in northern Maine, from 2008 to 2013. In this role he coordinated all engineering and field surveys (including birds and bats assessments), assisted client with strategic planning, and facilitated communication with state and federal agencies.

York Haven Project, York Haven, PA.

Mr. Murphy supported relicensing activities for the York Haven Project, including development of Exhibits A, B, D and portions of Exhibit E of the Draft License Application. He also completed Phase 1 Environmental Assessment for the site.

Cabin Creek Pumped-Storage Project, Xcel Energy, Golden, Colorado.

Mr. Murphy served as the technical lead for the relicensing activities for the Cabin Creek Pumped Storage Project. He oversaw the development of the Draft License Application, which included close coordination with resource specialists and the client representatives.

Tidal Energy Pre-Application Document Development, Snohomish County Public Utility District, State of Washington

Mr. Murphy supported the development of the Federal Energy Regulatory Commission (FERC) application to study seven locations in and around the Puget Sound for the installation of tidal energy converters. As part of this effort he analyzed potential impacts to water quality, aesthetics, and recreation.

Reedsport OPT Wave Energy Park, Ocean Power Technologies, Reedsport, Oregon

Mr. Murphy led an integrated approach to describing and assessing potential resources issues associated with a proposed wave energy park off the coast of the state of Oregon. He created an adaptive management plans for gray whales and pinnipeds that included a decision tree outlining actions to be taken if the project was observed to result in negative effects to these aquatic species. He also collaborated with U.S. Coast Guard staff to develop a Spill Prevention, Control and Countermeasure Plan and Emergency Response Plans.

Environmental Management System Compliance Audits, Brookfield Power Company

Mr. Murphy audited the environmental management systems (EMS) for two regions of the Brookfield Power Company. In this capacity he assessed adherence to key criteria of EMS including training provisions, oil and chemical spill prevention and response, public safety, and communication planning.

Spill Prevention Control and Countermeasure Plan Update, Topsham Hydro Partners, Topsham, Maine

Mr. Murphy acted as the technical lead for updating of SPCC plans for the Topsham Hydro Partner's hydroelectric plant. He performed an SPCC inspection and updated the plan to meet the revised SPCC regulations, drawing upon previous SPCC experience at other hydroelectric facilities.

NEPA Environmental Assessment and Permitting, U.S. Forest Service and Bromley Ski Resort, Bromley, Vermont

As Project Manager for the preparation of an Environmental Assessment under the National Environmental Policy Act, Mr. Murphy led an extensive consultation effort with state and federal agencies as well as environmental groups regarding the project's potential impacts and the permitting process. He oversaw all field work activities and completed an evaluation of recreational opportunities presented by different acquisition scenarios.