



## Gary A. Boyle | SENIOR CONSULTANT

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**PROFILE** Twenty-seven years experience in the electric utility industry • Involved in hydropower licensing since 1982 • Participated in FERC licensing and environmental report preparation for 20 hydroelectric/reservoir storage projects • Planned and conducted recreation, land use, aesthetic and terrestrial resource studies for hydropower projects • Participated as the environmental liaison with three consultants for three low-head hydroelectric project feasibility studies for the Department of Energy • Created an electronic compliance database for a 31-project utility hydro system and ensured the timely submittal of all compliance filings for 7.5 years • Responsible for updating and all compliance filings for 12 to 15 emergency action plans over a twelve-year period • Assisted in the preparation of the Maine State Comprehensive Outdoor Recreation Plan 2003–2008

### **EXPERIENCE Outdoor Recreation and Land Use Planner, Environmental Sub-Consultant to EA Engineering, Science, and Technology (EA Engineering))**

Currently assisting EA Engineering in the preparation of an Environmental Impact Statement (EIS) for FERC for Pacific Gas and Electric Company's (PG&E) proposal to surrender its license for the Kilarc-Cow Creek Hydroelectric Project (P-606-028-CA) in California. Responsible for preparing the Land Use and Aesthetics, and Socioeconomics sections of the EIS.

*Client contact and reference:* Jeff Elseroad, EA Engineering, Science, and Technology, (410) 771-4950, ext. 5243

### **Outdoor Recreation and Land Use Planner, Environmental Consultant to FERC, Office of Hydropower Licensing, Division of Licensing and Compliance**

Assisted in the preparation of an Environmental Assessment (EA) for the Lake Jocassee Shoreline Management Plan (SMP) filed by Duke Energy Carolina's (licensee) for the Keowee-Toxaway Hydroelectric Project (FERC No. 2503-136).

*Client contact and reference:* Jade Alvey, FERC Task Monitor, (202) 502-6864

### **Outdoor Recreation and Land Use Planner, Environmental Consultant to FERC, Office of Energy Projects, Division of Hydropower Administration and Compliance**

Assisted in the preparation of an Environmental Assessment (EA) for an Application for Non-Project Use of Project Lands and Waters relating to Duke Energy Carolina's (licensee) application for a lease of 0.62 acres of project land to Sleppy, LLC (applicant) for a residential marina and a boat access ramp that would serve Wilderness Cove Subdivision, a planned residential community, located on Lake Keowee at the Keowee-Toxaway Hydroelectric Project (FERC No. 2503-136).

*Client contact and reference:* Mark Carter, FERC Task Monitor, (202) 502-6554



**EXPERIENCE Environmental Consultant to Kenai Hydro, LLC.**

(cont.) Assisted in preparing a Preliminary Application Document (PAD) for the proposed Grant Lake and Falls Creek Hydroelectric Project (FERC No. 13211 and 13212) located in Alaska on the Kenai Peninsula. Responsible for drafting the following PAD sections: Geology and Soils, Wildlife and Botanical Resources, and Wetlands, Riparian, and Littoral Habitat.

*Client contact and reference:* Brad Zubeck, Project Engineer, (907) 762-4547

**Environmental Consultant to TDX Power, a subsidiary of Tanadgusix Native Corp.**

Assisted in preparing a Preliminary Application Document (PAD) for the proposed Chakachamna Hydroelectric Project (FERC No. 12660) located in Alaska on the Cook Inlet. Responsible for drafting the Water Resources section of the PAD.

*Client contact and reference:* Nick Goodman, CEO, (907) 278-2312

**Environmental Consultant to Chugach Electric Association, Inc.**

Prepared a draft Dam Safety Surveillance and Monitoring Plan (DSSMP) and a summary of Title 18 CFR, FERC Part 12 Safety of Water Power Projects and Project Works compliance requirements for the Cooper Lake Hydroelectric Project (FERC No. 2170) to assist Chugach Electric with FERC project compliance filing requirements.

*Client contact and reference:* Kathryn Lynn, License Compliance Coordinator (907) 762-4547

**Environmental Consultant to Shastaview, Inc.**

Prepared a draft Application for Amendment of Exemption to install a new turbine and generator and associated controls to replace those removed previously for the T&G Hydro Project on Old Cow Creek in California. Amendment was proposed for an efficiency upgrade from a 300Kw generator unit to a 520Kw unit to allow the project to produce energy more efficiently.

*Client contact and reference:* Frank Avantino, President of Shastaview, Inc. dba T.V. Ranch Hydro Management, ( 530) 227-1760

**Environmental Consultant to PB Power on The Town of Massena Electric Department's Recreation Study to support the licensing of the Massena Grasse River Hydroelectric Project (FERC No. 12607)**

Assisting PB Power with the analysis of recreation use data. Using recreational use data to estimate recreation use by type of day, activity, site location, and other categories to calculate total recreation use numbers. Projecting future use assuming project licensing and construction using two methods—a comparison to a representative reservoir and guidance offered in New York's State Comprehensive Outdoor Recreation Plan (SCORP). Preparing interim draft and final study reports.

*Client reference and contact:* Shirley Williamson, Engineer, (617) 960-4995



**EXPERIENCE Environmental Consultant to Alcoa Power Generating Inc. , Tapoco Division and (cont.) Yadkin Division**

Assisted in preparation of the Licensed Hydropower Development Recreation Reports (Form 80) and supporting documentation for the 2008 recreation season for both the Tapoco Hydroelectric Project (FERC No. 2169) in Tennessee and the Yadkin Hydroelectric Project (FERC No. 2197) in North Carolina in support of filing the Form 80s with FERC.

*Client reference and contact:* Marshall Olson, Environmental and Natural Resources Manager, (704) 422-5622

**Environmental Consultant to Alcoa Power Generating Inc. , Tapoco Division**

Assisted with updating the four-development Tapoco Hydroelectric Project Public Safety Plan as follow-up to a FERC environmental compliance inspection requirement.

*Client reference and contact:* Marshall Olson, Environmental and Natural Resources Manager, (704) 422-5622

**Environmental Consultant to Alcoa Power Generating Inc. , Tapoco Division**

Assisted with recreation study efforts in support of relicensing efforts for the Tapoco Hydroelectric Project. Assisted in the development of a whitewater boating study for the Cheoah River, North Carolina, by supervising tree clearing work to locate the river channel in a 7-mile section of river by-pass at the Santeetlah Development in advance of the boating study. Mapped areas cleared, indicating sq. ft. and major vegetation removed, and tabulated the deadfalls removed from the cleared area in compliance with a USFS permit to conduct this work within the Nantahala National Forest. Analyzed recreational use data in support of FERC Form 80 report for the four development project. Assisted with the preparation of the “Recreation”, “Land Use and Aesthetics” and “Cultural Resources” portions of the Initial Information Package, License Application, and Applicant Prepared EA (APEA) for the Tapoco Hydroelectric Project. Additional tasks included the preparation of hydropower project relicensing issues benchmarking database and a generation/cost relicensing database to track the effects of PM&E measures on the cost of power.

*Client reference and contact:* Gene Ellis, Licensing & Property Manager, (704) 422-5606

**Environmental Consultant to Alcoa Power Generating Inc. , Yadkin Division**

Assisted with the development of a Shoreline Management Plan, Yadkin Hydroelectric Project. Conducted a regional study of shoreline management and recreation initiatives for Southeastern reservoir pier and dock permitting programs from November 1997 to March 2001 as a point of comparison and as a basis for the development of the Yadkin SMP. Assisted in the development and implementation of a private recreation facility permitting program and a new Shoreline Management Plan for the Yadkin Project in North Carolina. Data collection methods included telephone, fax, e-mail, and U.S. mail surveys. Analyzed recreational use data in support of FERC Form 80 report for the four-development Yadkin Project. Assisted with the preparation of the “Characterization of the Project Area”, “Terrestrial Resources”, “Recreation”, “Land Use and Aesthetics”, “Cultural Resources” and “Shoreline Management” portions of the Initial Consultation



**EXPERIENCE** Package, License Application, and Applicant Prepared EA (APEA) for the Yadkin Hydroelectric Project.

(cont.)

*Client reference and contact:* Gene Ellis, Licensing & Property Manager, (704) 422-5606

**Environmental Consultant to Portland General Electric Company (PGE)**

Assisted in preparing “Construction History” and “Project Operation” sections for the Initial Information Packages for relicensing the Bull Run, Clackamas River, and Willamette Falls Hydroelectric Projects in Oregon.

*Client reference and contact:* David Heintzman, Project Manager, Hydro Licensing, (503) 464-8162

**Environmental Consultant to Washington Water Power's (Avista now) Clark Fork Relicensing Team**

Assisted in preparing the “Purpose and Need For Action” and “Affected Environment” sections for a Collaboratively-Prepared Environmental Assessment and draft exhibits of a license application for relicensing the Cabinet Gorge and Noxon Rapids Hydroelectric Projects in northern Idaho and Montana.

*Client reference and contact:* Tim Swant, (406) 847-1282

**Planning & Research Associate II. Assisted in preparing the Maine State Comprehensive Outdoor Recreation Plan 2003–2008 (SCORP)**

Extracted and analyzed critical recreation information from data summaries, surveys, and published material for preparation of the “Outdoor Recreation Demand”, “Outdoor Recreation Deficiencies” and “Wetland Component” of SCORP. Participated in focus group stakeholder meetings with responsibility for coordinating all pre- and post-meeting correspondence and finalizing meeting summaries for the following outdoor recreation issues of statewide importance: (1) Availability of outdoor Recreation Opportunities, (2) Community Outdoor Recreation Needs & Smart Growth, (3) Recreation/Public Access in the Northern Forest, (4) Trail Recreation and (5) Tourism and Public Recreation Facilities.

*Client reference and contact:* Cynthia Bastey, Chief Planner, (207) 287-4963

**Project Manager to FPL Energy Maine Hydro, LLC**

Responsible for the revision and complete updating and reissuance of 15 Emergency Action Plans filed with the Federal Energy Regulatory Commission in December 1999.

*Client reference and contact:* Michael Pelletier, Senior Engineer, (207) 207-621-4157, ext. 15

**Environmental Specialist, Central Maine Power Company**

Responsible for the compliance program for a system of 30 hydroelectric and water storage projects for Central Maine Power Company (CMP) and its subsidiaries from 1989 to 1997. This position included creating and maintaining a computer-based compliance monitoring system for all federal license, state 401 water quality certificate and related regulatory requirements; coordinating internal communications relative to compliance; developing, overseeing the preparation of, and ensuring the timely submittal of, all compliance filings; and updating 12 hydroelectric project emergency action plans (EAPs), including completion of a 5-year update and reissuance of all EAPs in 1994. Also responsible for documenting hydro project land uses and preparing



annual FERC “Out-conveyance Reports” for all 30 hydropower projects.  
EXPERIENCE (cont.) *Client reference and contact:* F. Allen Wiley, Vice President, FPL Energy Maine Hydro, LLC (formerly Managing Director of Generation, Central Maine Power), (207) 623-8413

**Licensing Coordinator, Hydro Projects/Special Projects, Central Maine Power Company**

Responsible for coordinating all relicensing activities for 13 hydroelectric facility projects having license expirations in 1993. Developed schedules and manpower requirements for relicensing, and prepared study reports and initial consultation documents for state and federal agency review. Supervised consultant field studies to identify rare, threatened, and endangered biotic elements at each project. Also responsible for coordinating the preparation of federal and state environmental permits and licenses for a proposed 134-mile-long transmission line tie with Hydro-Quebec. Participated in project consultant selection, siting, natural resource inventory, wetland, historical/archaeological, and visual impact assessment studies, informational meetings with 14 towns, and environmental report preparation for submittal to the Department of Energy.

*Client reference and contact:* F. Allen Wiley, Vice President, FPL Energy Maine Hydro, LLC (formerly Managing Director of Generation Central Maine Power), (207) 623-8413

**Forester, Central Maine Power Company**

Responsible for the coordination and preparation of environmental reports for generation, reservoir storage, and transmission line facilities to support state and federal licensing efforts. Developed and participated in environmental impact assessment studies relating to siting, soils, vegetation, fish and wildlife, wetland, land-use, erosion control, recreation and aesthetics, and acoustical and air pollution monitoring for 20 new and existing power generation facilities and 21 new transmission lines. Participated as the environmental liaison with three consultants for three low-head hydroelectric project feasibility studies for the Department of Energy, and assisted with the licensing of one new low-head project adding 3.4 MWs of new capacity. Member of a Habitat Evaluation Procedures (HEP) team and supervised a consultant’s HEP aquatic and terrestrial study for a proposed two-foot increase in the headpond water level for the Williams Hydroelectric Project.

*Client reference and contact:* F. Allen Wiley, FPL Energy (formerly Managing Director of Generation, Central Maine Power), (207) 623-8413



## EDUCATION

*Bachelor of Science (BS), Forestry.* University of Maine. 1969.

## CERTIFICATION & PROFESSIONAL AFFILIATIONS

University of Maine, Orono, Remote Sensing & Photo Interpretation Workshop for Environmental Studies. 1975.

University of Southern Maine, Continuing Education Division, Ground Water II, Resources, Public Policy and Health. 1980.

Environmental Protection Agency Air Pollution Training Institute correspondence course SI:473 Introduction to Environmental Statistics. 1981.

U.S. Fish and Wildlife Service, Certification in Habitat Evaluation Procedures (HEP) and HEP Software Course. 1982.

Wetland Seminar Threshold to Maine & Wetland Field Identification. 1988.

Wetlands Regulations Workshop with MDEP and ACOE. 1989.

Wildlife Habitat Management for Foresters and Landowners. 1989.

FEMA, Emergency Action Planning for Dams Development Course (G274). 1997.

Federal Energy Regulatory Commission, EAP Exercise Design Course. 2000.

National Hydropower Association