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WIGGIN AND DANA VIA MESSENGER

Counsellors at Law

June 15, 2005

Pamela B. Katz
Chairman
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

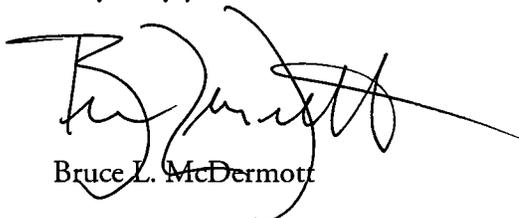
Re: Docket 272 - The Connecticut Light and Power Company and The United Illuminating Company Application for a Certificate of Environmental Compatibility and Public Need for the Construction of a New 345-kV Electric Transmission Line and Associated Facilities Between Scovill Rock Switching Station in Middletown and Norwalk Substation in Norwalk, Connecticut

Dear Chairman Katz:

Pursuant to Paragraph 20 of the Connecticut Siting Council's April 7, 2005 Decision and Order and the Council's June 9, 2005 letter concerning the Singer Substation Development and Management Plan, The United Illuminating Company, subject to the approval of the Council, will utilize Louise Mango of Phenix Environmental, Inc. to monitor and report on the installation of the underground transmission system and the construction of the Singer Substation. Information concerning Ms. Mango and Phenix Environmental is enclosed for the Council's review.

If you have any questions concerning this letter, please call me.

Very truly yours,



Bruce L. McDermott

cc: Melanie Howlett, City of Bridgeport
David Reif, McCarter & English, LLP
Service List (via electronic mail, w/out enclosure)

Enclosures

LOUISE F. MANGO

EDUCATION

MBA, State University of New York at Buffalo
M.S., Natural Resource Planning, Michigan State University
B.S., Botany & Economics, Duke University

PROFESSIONAL REGISTRATION

Certified Environmental Professional
Certified Hazardous Materials Manager (1988)

SUMMARY OF EXPERIENCE

Ms. Mango has 27 years of experience in conducting environmental analyses relevant to energy projects, as well as in performing a wide range of environmental studies for clients in both the public and private sectors. She specializes in environmental planning and permitting, and has prepared and managed feasibility studies, multidisciplinary technical analyses, environmental impact evaluations, and regulatory applications for projects such as natural gas/oil pipelines, electric transmission lines (overhead and underground), LNG plants, nuclear power plants, fiber optic cables, highways, urban redevelopments, and infrastructure facilities.

Ms. Mango has been involved in energy development projects throughout the United States and around the world since conducting an analysis (in 1978) of routing options for transporting natural gas from U.S. Navy lands on Alaska's North Slope to the Lower 48 States. She is skilled in all aspects of environmental analyses for energy and other types of developments, having conducted alternatives, design, permitting, and costing analyses; evaluated and prepared construction specifications, bid documents, and environmental management plans; monitored construction and restoration activities; and completed third party due diligence audits.

In Connecticut, Ms. Mango has recently performed a range of environmental services for two 345-kV transmission lines in southwestern Connecticut (including the 69-mile Middletown to Norwalk Project), a feasibility study of a DC cable project between Norwalk, Connecticut and Glen Cove, Long Island; and an 8.7-mile underground 115-kV system between Norwalk and Stamford. Ms. Mango also served as the natural gas transmission pipeline companies' representative to the 2002-2003 Governor's Task Force on Long Island Sound, and completed the environmental analyses (under subcontract to Acres International) for the Connecticut Siting Council's (CSC's) 1996 *Life Cycle Cost Study for Overhead and Underground Electric Transmission Lines*. In addition to her energy project work, she has completed environmental analyses, pursuant to the Connecticut Environmental Policy Act (CEPA), for urban redevelopment initiatives in Bridgeport, Norwalk, West Haven, and Waterbury.

In New York State, Ms. Mango has conducted environmental analyses for the Indian Point Independent Spent Fuel Storage Installation (ISFSI), as well as for a wide variety of other energy projects, including the Iroquois, Millennium, Central Hudson Gas & Electric Corp. (CHG&E), and Millennium natural gas pipelines and CHG&E electric lines. In addition, she has more than two decades of experience in completing projects pursuant to the New York State Environmental Quality Review Act (SEQRA) and in accordance with the New York State Public Service Law.

She brings to her work a unique combination of environmental management proficiency and hands-on expertise in a wide range of environmental programs, including cultural resource analyses, coastal zone consistency review, biological studies, land use/socioeconomic evaluations, construction oversight and monitoring, and hazardous materials management. Ms. Mango has supervised the preparation of environmental documents for submission to the Federal Energy Regulatory Commission (FERC), as well as various environmental studies for major energy project planning, permitting, construction, and mitigation. She also has completed detailed facility

siting applications to state regulatory bodies, including the CSC and the New York State Public Service Commission (NYPSC), and has extensive experience as an expert witness.

Ms. Mango has provided environmental input to numerous federal, state, and local permit applications, and has served as the project manager for scores of Environmental Impact Statements (EISs), Environmental Assessments (EAs) and Environmental Reports (ERs). She has assisted clients in submitting applications for U.S. Army Corps of Engineers (ACOE) Section 10/404 permits, state coastal zone consistency and water resource management agencies approvals (Section 401 water quality certifications, storm water management permits), and cultural resource approvals (from State Historic Preservation Offices and the Advisory Council on Historic Preservation). In addition, she has supervised the preparation and implementation of various special mitigation and monitoring plans, including CSC development and management (D & M) plans; wetland survey and multi-year (post-construction) monitoring plans; Spill Prevention, Control, and Countermeasure (SPCC) plans; cultural resource surveys and data recovery/public education plans; endangered species surveys and mitigation plans; visual impact mitigation programs; invasive species (vegetation) control plans; erosion/sediment control and revegetation plans; and right-of-way (ROW) management plans.

Representative Project Experience:

Municipal Consultation Filing / CSC Application for Glenbrook to Norwalk 115-kV Cable Transmission Project, CT: Provided consulting services to The Connecticut Light & Power Company (CL&P) on the preparation of municipal consultation filing and subsequent application to the CSC for the construction and operation of a new 115-kV underground cable system, aligned within congested urban areas, to serve the Norwalk-Stamford section of electric grid. Conducted and reviewed environmental analyses; attended open houses concerning the project; and prepared sections of the CSC application. After submission of the CSC application, prepared responses to interrogatory questions; drafted pre-filed testimony; served as an expert witness during the CSC hearings; and assisted in the preparation of CL&P's Finding of Fact and brief. In addition to the CSC process, coordinated with other involved agencies, and compiled data for submissions to the ACOE and the Connecticut Department of Environmental Protection (CTDEP).

Task Force on Long Island Sound, Hartford, CT: Served as interstate natural gas transmission industry representative to Governor Rowland's Task Force. Participated in Task Force meetings and discussions, and assisted in the preparation of a final assessment report (issued June 2003) concerning Long Island Sound's resources and energy infrastructure development.

Environmental Life Cycle Cost Study, CT: Under subcontract to Acres International for the CSC, prepared environmental portions of life cycle cost and environmental externalities study of construction and operation of 115-kV electric transmission lines (overhead vs. underground). Consulted with representatives of major Connecticut electric transmission utilities; reviewed representative environmental conditions along major transmission corridors in different geographic regions of Connecticut; and researched availability and effectiveness of environmental externality and life cycle costing models in general. In conjunction with transmission engineers, prepared a concise report that evaluated costs and benefits of different transmission line configurations and recommended methods for better incorporating environmental costs into utility project planning and evaluation.

Municipal Consultation Filing, CSC Application, and Permitting for Middletown to Norwalk 345-kV Transmission Project, CT: Provided consulting services to CL&P and The United Illuminating Company (UI) during the preparation of a municipal consultation filing and then an application to the CSC for the construction and operation of a new 69-mile 345-kV transmission line to serve southwest Connecticut. Performed environmental analyses and compiled environmental and other sections of the CSC application. Provided expert witness testimony and assisted in the preparation of project applications for other state and federal permits, including those from the ACOE and CTDEP Office of Long Island Sound Programs (OLISP) for crossings of the coastal resources in lower Fairfield County, including the Housatonic, Pequonnock, and Saugatuck rivers. Worked with CL&P and UI legal counsel to prepare portions of the Findings of Fact in the case.

Yankee Gas Services Meriden Pipeline Project CSC D & M Plan, CT: In 2002, coordinated the preparation of a D&M Plan for Yankee Gas's 4-mile natural gas pipeline in the communities of Southington, Berlin, and Meriden, Connecticut. The D&M Plan was required by the CSC, as a condition of that agency's approval of the pipeline project. Successfully completed the D&M Plan in accordance with Yankee Gas's schedule, which required the preparation of and CSC approval of the Plan within less than 90 days. Attended a CSC hearing concerning the pipeline project and coordinated with Yankee Gas's engineering personnel.

South Norwalk Electric Works (SNEW) Electric Substation CSC Application, CT: As part of a team headed by Northeast Generating Services (NGS) Company, conducted environmental studies and coordinated the preparation of submissions to the CSC for a new electric substation. Performed analyses of energy options, reviewed alternative sites for the substation, and evaluated different site configurations and types of substation equipment. Identified and assessed environmental impacts, coordinating the input of local and state officials. Worked closely with NGS engineers and SNEW representatives, as well as with local officials regarding pre-filed project materials. SNEW subsequently put project on hold pending resolution of overall electric energy issues in southwestern Connecticut.

Steel Point Environmental Impact Evaluation (EIE) and Water Dependent User Permitting – Bridgeport, CT: As part of the planned redevelopment of a 50+-acre waterfront site in Bridgeport, Connecticut, assisted in the preparation of an Environmental Impact Evaluation (EIE) pursuant to CEPA. Conducted field reconnaissance of the planned redevelopment site, 15 acres of which was formerly occupied by a coal-fired power plant. Also provided assistance regarding the relocation of water dependent users from the Steel Point site to other suitable waterfront locations in the Bridgeport coastal zone.

Cartech Site Redevelopment EA and Permitting, Bridgeport, CT: As part of the City of Bridgeport's plans to redevelop a 40+-acre brownfield site adjacent to Bridgeport Harbor, conducted biological and coastal zone analyses, prepared an EA pursuant to CEPA, and compiled technical environmental information in support of permit applications to the CTDEP and to the ACOE. Assessed coastal habitat mitigation/compensation site options and developed conceptual off-site tidal wetland / intertidal flat compensation plan.

Bethel – Norwalk 345 kV Transmission Project, CT: For the 345 kV transmission line between Bethel and Norwalk, worked for CL&P (2001 – 2003) on the preparation and support of select portions of an application to the CSC. Assessed project need and prepared descriptions of effects of project on New England power grid and on provision of new capacity to southwestern Connecticut. Conducted analyses of consistency of project with local land use plans, provided technical input on environmental matters during testimony before the CSC and assisted in preparation of Findings of Fact and project brief.

NYSDOT Threatened and Endangered Species Studies, Long Island and Eastern NY: Project director for 6-year on-call contract to the New York State Department of Transportation (NYSDOT) for threatened and endangered species surveys of various proposed transportation development projects in Suffolk, Nassau, and Orange counties. Developed and implemented multiple season field survey plans for each project, coordinated with representatives of NYSDOT and other involved agencies. Species evaluated included plants, wildlife, fisheries, and mussels.

Iroquois Gas Transmission System, NY, CT: For this 375-mile natural gas pipeline project (including a 26-mile crossing of Long Island Sound), served as environmental consultant project manager for 10 years (1986-1995), providing environmental assistance prior to, during, and after natural gas pipeline installation. Conducted environmental field studies, impact analyses, alternatives evaluations, and mitigation assessments for applications to the FERC, CSC, and NYPSC. For applications to the ACOE and other state permitting agencies (including CTDEP), conducted additional environmental analyses, including coastal zone consistency reviews and federal wetland delineations. Also coordinated special field studies (e.g., endangered species surveys, visual resource assessments); provided technical management oversight for \$9 million cultural resource program; and served as an expert witness during CSC and NYPSC proceedings. Coordinated with project engineers and ROW personnel to prepare three CSC D&M Plans and seven NYSPSC Environmental Management & Construction Plans (EM & CPs) for different portions of the project. Managed the preparation

of other special plans both during and post-construction (e.g., erosion control, SPCC, invasive species control, ROW maintenance, hazardous materials management plan for operations, agricultural/crop restoration monitoring program).

Environmental Field Studies and Plans, P & MK Electric Transmission Line, NY: For a major regional electric utility in the Hudson River valley, conducted detailed environmental field studies (e.g., land use, endangered species, wetlands, streams), assisted in preparation of permit applications (e.g., ACOE Section 404 permit, stormwater management permit, cultural resource approvals) and, working with engineering and ROW experts, prepared an EM & CP to identify proposed construction and mitigation procedures for transmission line work. Unique plans for construction included use of helicopters to transport construction equipment and supplies to remote areas of the Catskill Mountains, as well as special field studies, monitoring, and construction timing restrictions to avoid impacts to an endangered species of rattlesnake.

DC Electric Cable Project, Pre-CSC Application, Long Island Sound, CT-NY: In 2001, for Northeast Utilities, worked with Norwegian DC cable experts to conduct a feasibility study of routing options for a proposed buried DC cable that was designed to link Norwalk with Long Island, and thus to increase the electric power transmission options in both Connecticut and New York. Evaluated options for cable burial and routing, conducted environmental studies, assessed coastal zone consistency, and compiled environmental and construction documentation in preparation for submission of an application to state regulators.

Millennium Pipeline Project Oversight Review, NY: As part of a team comprised of both pipeline construction experts and environmental specialists, in 1999 conducted an independent review of permit applications, environmental data, engineering plans, material procurement scenarios, and budgeted costs for the planned construction of the original Millennium Project, a 400-mile natural gas pipeline that was proposed for location across Lake Erie and the Southern Tier of New York. For the project sponsors, prepared a confidential report that detailed the results of the review. After project was delayed and then modified to include a phased construction schedule, re-hired (2004) by the Millennium partnership to conduct studies of the 190-mile Phase I portion of the project. Work involved additional project oversight, including analyses of potential environmental issues, FERC resource reports, construction plans, contractor management options, and budgeting.

Independent Spent Fuel Storage Facility Installation (ISFSI) Project, Millstone Power Plant, CT: For the ISFSI facility proposed at the Millstone Power Plant in Waterford, Connecticut, compiled and reviewed environmental data and prepared portions of an EA for use as part of application to the CSC. Worked with project engineers to compile data and conduct analyses in accordance with strict procedures for assuring confidentiality and security.

Environmental Field Studies and Permitting for Pipelines, Dutchess and Orange Counties, NY: For two proposed natural gas pipelines, including one involving a crossing of the Hudson River, conducted stream and wetland surveys, compiled environmental data, and assisted in preparation of technical portions of applications for permits and certificates (e.g., ACOE Section 10/404, NYSPSC Article VII, coastal zone consistency certification, 401 water quality certification). Worked with project engineers to develop an EM & CP, which specified methods for the Hudson River crossing, as well as for other stream and wetland crossings. All permits and approvals were obtained in a timely manner and the project was successfully completed on schedule.

ISFSI Project, Indian Point Energy Center, NY: As part of the planning for the ISFSI proposed at Indian Point, conducted site visits and worked with engineering / geotechnical team members to compile environmental data, including the collection of current land use and biological data concerning the ISFSI site. Prepared an expanded SEQRA Environmental Assessment Form (EAF) for use in submissions to the state and town. Worked with project engineers and Indian Point legal representatives.

Oil Pipeline Permitting, Staten Island, NY and Linden, NJ: For the planned replacement of an oil pipeline beneath the Arthur Kill (between New York and New Jersey), determined that 13 different federal and state environmental permits would be required. Conducted field investigations of project area and performed

analyses required for wetlands delineations and coastal resource review. Coordinated with involved agencies and submitted a Section 10/404 permit application to the ACOE, as well as stream and wetland permit applications to the New York State Department of Environmental Conservation (NYSDEC) and New Jersey Department of Environmental Protection (NJDEP). Project also required coastal zone consistency applications and 401 water quality certifications in both states, along with cultural resources clearance.

Biological Risk Assessment, Seneca Meadows Landfill, NY: Assisted in the evaluation of potential impacts of the landfill on bald eagles and osprey located in the Motezuma National Wildlife Refuge, down-gradient of the landfill. Researched the existing database regarding the effects of landfills on bald eagles or other birds of prey. Worked with toxicologists and biological experts to identify compounds that could pose risks to the bird species and to determine appropriate chronic and acute exposure scenarios. Compiled results of the conservative risk assessment in a report that was presented to state and federal agencies. Data demonstrated that the project would have no adverse effects on the bird species.

MOVE Yacht Club – Bridgeport, CT: For a yacht club being relocated as part of the Steel Point redevelopment, worked with planners and engineers to identify a suitable relocation site along the Yellow Mill Channel. Subsequently conducted environmental field studies and analyses, and prepared permit applications to the ACOE and CTDEP OLISP for the new yacht club facilities. All permits were successfully obtained in a timely manner.

Tidal Wetlands Restoration Monitoring - Housatonic River, Milford, CT: Designed a 5-year monitoring program to evaluate the effectiveness of natural restoration of an intertidal flat affected by a release of bentonite during a pipeline construction project. Of primary concern was the effect of the bentonite on two state-listed plant species of concern that inhabited the tidal flat. Annual surveys involved multiple season sampling of plant species within a series of pre-established grids. Presented annual reports to CTDEP and The Nature Conservancy.



PHENIX ENVIRONMENTAL, INC. offers expertise in the provision of comprehensive environmental services to both the private and public sectors. Phenix personnel have been providing high-quality environmental consulting services -- both in the United States and worldwide -- since 1978. A woman-owned business enterprise (WBE), Phenix specializes in:

- *Environmental management*
- *Wetlands delineation*
- *Environmental impact assessment*
- *Threatened and endangered species studies*
- *Vegetation and wildlife surveys and analyses*
- *Environmental permitting*
- *Environmental monitoring of construction projects*
- *Site restoration*
- *Biological risk analyses*
- *Linear corridor studies*
- *Expert testimony*

Phenix was formed in 1989 to provide both public and private sector clients with high-quality, yet cost-effective environmental services. The company principals has an established reputation for the provision of high-quality and responsive environmental services and the successful preparation of applications for and acquisition of environmental permits for a range of projects.

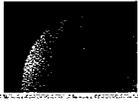
Phenix prides itself on the performance of a wide variety of environmental services -- all in a high-quality manner and all within schedule and budget. Phenix routinely both performs task-specific environmental activities, and manages complex, multi-million dollar environmental permitting and reporting programs. Phenix staff members have the demonstrated ability to assemble multi-disciplinary environmental teams; to gather background information through literature reviews and consultations with agency representatives; to design and conduct detailed field inventories necessary to assess existing conditions and evaluate potential impacts; and to prepare high quality, readable reports presenting the results of environmental evaluations.



Phenix has conducted work for both the public and private sectors. Between 1994 and 2002, the firm served as an on-call contractor to the New York State Department of Transportation (NYSDOT) for the performance of threatened and endangered species surveys. Phenix also completed biological inventories for the New York State Office of Parks, Recreation, and Historic Preservation and the Connecticut Siting Council.

The firm's general experience base includes:

- ⇒ *Design and implementation of biological surveys for threatened, endangered or special concern plant or wildlife species, and preparation of mitigation or management plans to minimize impacts, including baseline biological studies and biological risk assessments for contaminated properties.*
 - ⇒ *Management and preparation of environmental impact statements (EISs) and environmental assessments (EAs) for projects ranging from multi-million dollar natural gas pipelines to subdivision developments.*
 - ⇒ *Performance of initial critical path permitting reports which identify relevant environmental permits, engineering and environmental documentation required for a project, and estimated permit review/approval time frames.*
 - ⇒ *Performance of wetland delineation surveys and wetland functional values assessment, as well as the design and implementation of wetland mitigation plans.*
 - ⇒ *Design and implementation of environmental field studies as needed to provide data in support of state, federal, and local permit applications.*
 - ⇒ *Supervision of marine studies for near shore and off shore developments, and monitoring of marine project activities for environmental permit compliance.*
 - ⇒ *Preparation of soil erosion and sedimentation control plans, as well as development and environmental management/project construction plans.*
 - ⇒ *Environmental monitoring during construction to ensure compliance with environmental permit conditions.*
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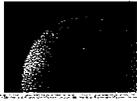


Phenix personnel have more than 25 years of experience in conducting environmental analyses throughout Connecticut and in New York State, and are fully familiar with state and federal permitting processes. The firm has recent experience in the successful acquisition of permits and approvals for a variety of projects, including:

- Section 10/404 permits from the U.S. Army Corps of Engineers (Corps);
- 401 water quality certifications, hydrostatic test water discharge permits, and stormwater management program approvals from the Connecticut Department of Environmental Protection (CTDEP), New York State Department of Environmental Conservation (NYDEC), the New York Public Service Commission;
- Wetland and stream crossing permits from the CTDEP and NYDEC;
- Coastal zone consistency certifications;
- Certifications from the Connecticut Siting Council (CSC);
- New York State Environmental Quality Review Act (SEQRA) approvals from various lead agencies (state, county, town) and Connecticut Environmental Policy Act (CEPA) compliance; and
- Cultural resource approvals.

As part of the permitting/environmental review processes in New England, Phenix personnel have routinely consulted with representatives of state wildlife/fisheries agencies, the U.S. Environmental Protection Agency, Region I (Boston) and Region II (New York City), the National Marine Fisheries Service, the U.S. Fish and Wildlife Service, and various town and county officials.

Phenix supports its reports and permit applications through continued consultations with agency officials, presentations to the public, and -- as necessary -- the provision of expert testimony at regulatory proceedings. Phenix personnel have served as expert witnesses in support of various projects, and have extensive experience in the developing and coordinating public participation programs for environmental studies, including scoping sessions, project fact sheets, public meetings and hearings, and preparation of Findings of Fact. In both Connecticut and New York State, Phenix has conducted detailed surveys of vegetation and wildlife resources along linear corridors, and has worked with representatives of state and federal agencies on various biological mitigation and monitoring programs.



Environmental Management/Impact Assessment

Phenix staff have designed, directed, or participated in numerous biological studies, environmental assessments, environmental impacts statements, biological risk assessments, and hazardous materials management programs. Phenix has a firm understanding of the importance of completing high-quality environmental studies to accurately assess the impacts of proposed developments. Phenix routinely works with clients and regulators to design realistic field survey programs and, as appropriate, to develop realistic programs to mitigate environmental impacts that cannot otherwise be avoided.

Phenix has a long history of experience in the preparation of environmental reviews (i.e., EISs, EAs, and other types of resource assessments) for projects ranging from shopping malls and baseball stadiums to recreational facilities and large-scale energy developments.

Permit Preparation and Support

Phenix routinely works with company construction and engineering personnel to identify data needed for permit applications, such as wetland delineations, construction methods and sequencing details, typical drawings, and site-specific drawings, and prepares an environmental report to accompany permit applications. The permitting report provides additional detail on project description, construction, and site restoration methods, as well as a focused assessment of the potential environmental impacts associated with the activities covered by the specific permit. For example, permits for major activities from the U.S. Army Corps of Engineers may require a detailed evaluation of the project for consistency with the Corps's Section 404 (b)(1) guidelines. Phenix also assists clients during discussions with agency representatives concerning permit application requirements and options for mitigating environmental impacts.

Cultural Resource Program Oversight

Phenix has extensive experience in the coordination and overall management of comprehensive cultural resources programs. Although Phenix does not directly employ cultural resource specialists, the firm has worked closely with many independent cultural resource firms performing surveys of project developments. Phenix typically assists the client with the implementation of cultural resources programs, including coordinating with state and federal agencies, preparing bid documents for soliciting bids from potential consultants, coordinating access and survey permission for survey crews, working with consultants to identify site mitigation, and coordinating and reviewing reports summarizing the



results of the survey program. Phenix has both subcontracted with cultural resource firms directly and managed cultural resource programs for clients.

Ecological Resource Investigations

Phenix is expert in the performance of ecological field surveys required to identify resources of potential concern at proposed development sites. They are experienced in conducting delineations of wetlands for federal and/or state/local wetland regulatory programs, and surveys for rare, threatened, endangered or special concern plant, aquatic, or wildlife species. In addition, Phenix performs surveys of other critical wildlife habitats, deer wintering areas and old growth forests.

Wetlands Delineations. Phenix has extensive experience delineating federal jurisdictional wetlands for U.S. Army Corps of Engineers Section 404 permit programs, as well as in evaluating wetlands in accordance with state requirements. Phenix staff members have delineated close to 1,000 individual wetlands for projects throughout New York and Connecticut. Phenix' wetland delineation methods have been verified in the field by representatives of both state and federal permitting agencies.

Threatened/Endangered Species Surveys. Phenix has performed field surveys for state or federally listed rare, threatened, endangered or special concern plant or wildlife species throughout New York state. The firm's investigations have focused on a wide variety of species, including terrestrial wildlife (e.g., raptors, songbirds, salamanders, turtles, snakes), plants, and aquatic species, including the dwarf wedge mussel (*Alasmidonta heterodon*) and the swollen wedge mussel (*A. varicosa*). In performing these surveys, Phenix personnel typically coordinated with the regional office of the U.S. Fish and Wildlife Service (for federally listed species) and state natural heritage programs (or equivalent) to identify species that are known or suspected to occur in a project area.

Project Design and Planning Studies

In addition to preparing documents in support of permit and certificate applications to regulatory agencies, Phenix also is experienced in assisting in project feasibility studies and initial planning. After project approval, Phenix also has extensive experience in the preparation of environmental plans for use during project construction.

Environmental Feasibility Studies. Phenix staff members have 20 years of experience in preparing critical path analyses of environmental issues as part of initial project feasibility studies. Such critical path and permitting reviews typically entail an analysis of the various environmental permitting



requirements and the schedules for obtaining key regulatory approvals, as well as the time frame for the preparation of various environmental studies that could be required prior to project development.

Phenix has prepared critical path permitting analyses as part of feasibility studies for major pipeline projects in the northeastern United States, as well as for a planning study for the development of an interstate electric transmission system in the Midwest. The firm also has provided independent, third party oversight services to assess the feasibility of obtaining environmental approvals for projects within specified budgets and timeframes.

Environmental Plans. Phenix routinely prepares various environmental compliance or construction support documents in support of projects. These include detailed, site-specific wetland mitigation plans, restoration plans, wildlife habitat mitigation plans, and stream restoration and mitigation plans. Phenix also has prepared landscaping plans to mitigate for visual impacts of construction, and to provide enhanced recovery of riparian zones or other important fish or wildlife habitats following construction. In addition, the firm has developed soil erosion and sedimentation control plans and pollution prevention plans pursuant to the stormwater management permit requirements.

Staff Qualifications

Phenix staff and affiliates include specialists in environmental management, wildlife ecology, wetlands, aquatic and fisheries ecology, biohazard analysis, land use planning, and socioeconomic impact assessment. Phenix personnel also are certified members of the National Association of Environmental Professionals and the International Right-of-Way Association.

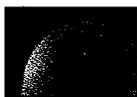
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phenixsh@aol.com



REPRESENTATIVE PROJECTS

- Environmental assistance on applications to the CSC for two 345-kilovolt transmission lines to serve southwestern Connecticut, as well as a proposed 115-kV cable system between Stamford and Norwalk.
- Biological field studies (threatened/endangered species, fisheries, wetland delineations, habitat mapping) along the 375-mile Iroquois Gas Transmission System pipeline corridor, 12 New York counties, 3 Connecticut counties.
- Wetlands delineations, biological surveys, permitting, and environmental management plans for 45-mile transmission line corridor in Orange and Rockland counties, New York.
- Preparation of Development and Management Plan for 10-mile natural gas pipeline in Meriden, Berlin, and Southington, Connecticut; included wetlands and stream descriptions.
- 10-year wildlife habitat monitoring and assessment, as part of local/state and federal wetlands permitting requirements, for a large FedEx Ground facility in Willington, Connecticut.
- Rare and endangered species surveys for NYSDOT projects (on-call contract):
 - Dwarf Wedge Mussel and Swollen Wedge Mussel, Neversink River, Orange County, New York;
 - Bethpage Park Bikeway Project, Nassau/Suffolk Counties, New York;
 - Wantagh Bikeway Project, Nassau County, New York.
- Rare and endangered species surveys for NYSDOT Palisades Interstate Parkway Bikepath, Rockland and Orange Counties, New York.
- Biological field surveys and inventory reports for 3,000 acres of state parkland for the New York State Office of Parks, Recreation, and Historic Preservation (Finger Lakes Region).
- Biological field surveys and monitoring for timber rattlesnake along 10-mile pipeline corridor, Hudson River Valley.
- Environmental site assessments, including wetlands and soils reviews, for proposed sites for telecommunications facilities along I-95 corridor in coastal Connecticut.
- Vegetation, wildlife, and water resources studies for the Ocean State Power Plant (co-generation facility) in Rhode Island.
- Biological risk assessment for endangered species resulting from exposure to PCBs on the Kenai National Wildlife Refuge in Alaska, and assessment of potential impacts of PCBs in a Massachusetts harbor on the federally-designated endangered roseate tern.
- Local/state and federal wetlands delineations for coastal waterfront redevelopment projects in Bridgeport, CT.



REPRESENTATIVE CLIENTS

The Connecticut Light and Power Company

New York State Department of Transportation

New York State Office of Parks, Recreation, and Historic Preservation

Central Hudson Gas & Electric Corporation

ESS Group, Inc.

Coastal Pipeline Company

GZA GeoEnvironmental, Inc.

Enron Broadband Services

URS, Inc.

Connecticut Siting Council

Northeast Generation Services, Inc.

South Norwalk Electric Works

Yankee Gas Services Company

Iroquois Gas Transmission System

Islander East Pipeline Company

CHI Engineering, Inc.

Portland Natural Gas Transmission System

Pratt & Huth Associates, LLP

Panamerican Environmental, Inc.

TPA Design Group

Natural Resources Group, Inc.

City of Clifton Park, NY

TransEnergy Consulting, Inc.