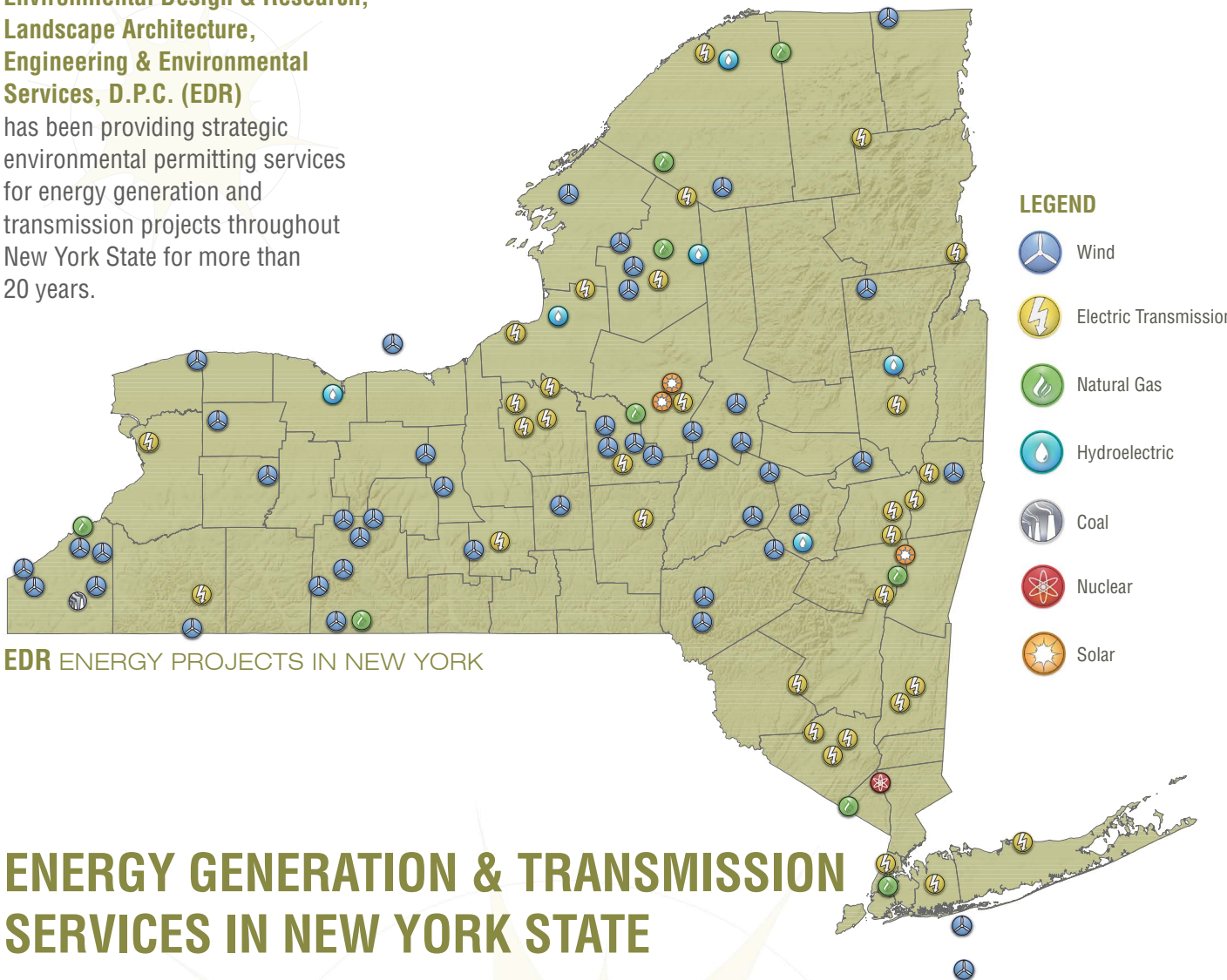


**Environmental Design & Research,  
Landscape Architecture,  
Engineering & Environmental  
Services, D.P.C. (EDR)**

has been providing strategic environmental permitting services for energy generation and transmission projects throughout New York State for more than 20 years.



**EDR ENERGY PROJECTS IN NEW YORK**

## ENERGY GENERATION & TRANSMISSION SERVICES IN NEW YORK STATE

**EDR's ENVIRONMENTAL PERMITTING EXPERIENCE AND CORE AREAS OF EXPERTISE INCLUDE:**

- National Environmental Protection Act (NEPA)
- NY State Environmental Quality Review Act (SEQRA)
- NYS Public Service Law: Part 102, Article VII, & Article X
- State Pollutant Discharge Elimination System (SPDES)
- Local Special Use Permits & Site Plan Review
- Agency Consultation & Mitigation Strategies
- Public Outreach & Stakeholder Engagement
- Environmental Impact Statements
- Critical Issues("Fatal Flaw") Analyses
- GIS Data Management & Analyses
- Wetland Delineation, Permitting, & Mitigation
- Ecological Community Inventories & Mapping
- Threatened & Endangered Species Surveys
- Visual Impact Assessment
- Archeological Surveys & Site Investigations
- Historic Resources Surveys
- Environmental Compliance Construction Monitoring
- Environmental Management & Construction Plans (EM&CPs)
- Erosion & Sediment Control Plans
- Stormwater Pollution Prevention Plans (SWPPPs) & Inspections



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## energy projects

PROJECT	CLIENT	SERVICES
<b>A&amp;C Transmission Lines Project Dutchess County, NY</b>		
11 Mile 115kV Electric Transmission Line Upgrade	CENTRAL HUDSON GAS & ELECTRIC	NY Public Services Law Article VII Certificate Application Visual Impact Assessment Cultural Resource Survey SHPO Consultation Wetland & Stream Delineation Ecological Surveys Environmental Management & Construction Plan Expert Witness Testimony
<b>Adirondack Wind Park Warren County, NY</b>		
20 MW (10 Turbine) Installation	REUNION POWER	Feasibility Assessment Public Outreach Visual Simulations Adirondack Park Agency Review
<b>Alabama Ledge Wind Farm Project Genesee &amp; Wyoming County, NY</b>		
330 MW (165 Turbine) Installation	HORIZON WIND ENERGY / TETRA TECH	Feasibility Assessment Visual Impact Assessment Supplemental Visual Simulations
<b>Allegany Wind Power Project Cattaraugus County, NY</b>		
72.5 MW (29 Turbine) Installation	EVERPOWER	Wetland Delineation & Permitting Visual Impact Assessment Shadow Flicker Analysis Ecological Studies Cultural Resource Analysis SEQRA Compliance Draft & Final Environmental Impact Statements Local Special Use Permit SWPPP Preparation SPDES Compliance
<b>Astoria Repowering Project Queens, NY</b>		
Repowering an Existing Gas-Fired Power Generating Plant	RELIANT ENERGY / ESS GROUP	Visual Impact Assessment for Article X Permit Application Expert Witness Testimony
<b>Athens Generating Project Greene County, NY</b>		
1080 MW Natural Gas-Fired Power Plant	PG&E NATIONAL ENERGY GROUP	Ecological & Visual Studies for Article X Application Interrogatory Responses/

PROJECT	CLIENT	SERVICES
		Expert Witness Testimony State & Federal Permitting Post-Construction Wetland Monitoring
<b>Benson Mines Wind Project St. Lawrence County, NY</b>		
Meteorological Tower for Adirondack Park Agency Review	PRIVATE CLIENT	Visual Impact Assessment
<b>Black Oak Wind Project Tompkins County, NY</b>		
20 MW (13 Turbine) Installation	ENFIELD ENERGY	Preliminary Layout Design & Field Review SEQRA Compliance Draft & Final Environmental Impact Statements Wetland & Stream Delineation Ecological Surveys Cultural Resources Survey SHPO Consultation Shadow Flicker Analysis Draft SWPPP
<b>Block Island Wind Farm Offshore, Rhode Island</b>		
30 MW (5 Turbine) Installation <a href="http://dwwind.com/block-island/block-island-project-overview">http://dwwind.com/block-island/block-island-project-overview</a>	DEEPWATER WIND	Visual Impact Assessment Interactive Web Site Communication Graphics Animated Fly-over
<b>Bluestone Pipeline Susquehanna County, PA</b>		
44 Mile Natural Gas Pipeline	URS CORPORATION / BLUESTONE PIPELINE CO. OF PENNSYLVANIA, LLC	Rare Plant Monitoring
<b>BOEM North Carolina Off-Shore Meteorological Tower Offshore, NC</b>		
Off-Shore Wind Energy Lease Area Site Assessment	ICF INTERNATIONAL	Visual Simulations Visual Assessment Time-Lapse Video Simulation
<b>Buckeye I &amp; II Wind Power Projects Champaign County, OH</b>		
270 MW (126 Turbine) Installation <i>First Certificate of Environmental Compatibility &amp; Public Need for a Wind Power Project in Ohio</i>	EVERPOWER	Ohio Power Siting Board (OPSB) Certificate of Environmental Compatibility & Public Need Visual Impact Assessment Shadow Flicker Analysis

PROJECT	CLIENT	SERVICES
<b>Cassadaga Wind Project Chautauqua County, NY</b>		
126 MW (up to 70 Turbine) Installation	EVERPOWER	Public Involvement Program (PIP) to Initiate NYS PSC Article X Application Preliminary Layout Design & Field Review
<b>Cody Road Substation Madison County, NY</b>		
Electrical Substation	NATIONAL GRID	Article VII Amendment Wetland Delineation & Permitting Phase 1 Archeological Survey Visibility Assessment Civil Engineering
<b>Coffeen Street – Lighthouse Hill Transmission Upgrade Project Jefferson &amp; Oswego County, NY</b>		
40 Mile 115 kV Transmission Line	NATIONAL GRID	Public Service Commission Licensing (PSCL Part 102) Wetland Delineation & Permitting Ecological Studies SPDES Compliance SWPPP Preparation
<b>Cohocton Wind Power Project Steuben County, NY</b>		
90 MW (36 Turbine) Installation 115 kV Transmission Line	FIRST WIND	Draft, Supplemental & Final Environmental Impact Statements Wetland Delineation & Permitting Visual Impact Assessment Public Outreach
<b>Conjunction Transmission Facility New York State</b>		
142 Mile 500 kV Transmission Facility, Converter & Substations	CONUNCTION LLC/ SPECTRA ENVIRONMENTAL	Visual Impact Study Wetland Evaluation Ecological Surveys for NY Public Service Law Article VII Application
<b>Copenhagen Wind Farm Lewis County, NY</b>		
79.9 MW (47 Turbine) Installation	OWN ENERGY	Preliminary Layout Design & Field Review SEQRA Compliance Draft & Final Environmental Impact Statements Wetland & Stream Delineation Ecological Surveys Visual Impact Assessment Cultural Resources Survey

PROJECT	CLIENT	SERVICES
		SHPO Consultation Shadow Flicker Analysis Draft SWPPP
<b>Coye Hill Wind Farm Tollard County, CT</b>		
12 MW (4 Turbine) Installation	PIONEER GREEN ENERGY	SHPO Consultation Natural Resources Impact Evaluation in Support of Connecticut Siting Council Review
<b>Croghan &amp; New Breman Natural Gas Franchise Approval St. Lawrence County, NY</b>		
47,500 LF Gas Distribution System	ST. LAWRENCE GAS CORPORATION	Environmental Impact Assessment Report State & Federal Wetland Permitting Construction Drawings Environmental Compliance Monitoring Environmental Management & Construction Plan (EM&CP)
<b>Crown City Wind Cortland County, NY</b>		
77 MW (48 Turbine) Installation	TCI RENEWABLES	SEQRA Compliance Draft Environmental Impact Statement Wetland & Stream Inventory Ecological Surveys Visual Impact Assessment Cultural Resources Survey Shadow Flicker Analysis Socioeconomic Analysis Invasive Species Management Plan Draft SWPPP
<b>Dairy Hills Wind Power Project Wyoming County, NY</b>		
78 MW (48 Turbine) Installation	HORIZON WIND ENERGY	Draft, Supplemental & Final Environmental Impact Statements Preliminary Layout Design & Field Review SEQRA Compliance Visual Impact Assessment Wetland Delineation & Permitting Public Outreach
<b>DANC Communication Line Connection to National Grid 115 kV Lake Placid Line Essex County, NY</b>		
3.9 Mile 115 kV Transmission Line	NATIONAL GRID/ DEVELOPMENT AUTHORITY OF THE NORTH COUNTRY	Environmental Assessment Report & Environmental Compliance Monitoring for Update to Article VII Certified Transmission Line

PROJECT	CLIENT	SERVICES
<b>Deerfield Wind Power Project Green Mountain National Forest, VT</b>		
34 MW (17 Turbine) Installation <i>First Wind Energy Project Proposed on USDA Forest Service Land</i>	U.S. DEPARTMENT OF AGRICULTURE U.S. FOREST SERVICE	National Environmental Protection Act (NEPA) Preparation Environmental Impact Statement Public Information Plan Public Outreach
<b>Dutch Hill Wind Power Project Steuben County, NY</b>		
40 MW (16 Turbine) Installation	FIRST WIND	SEQRA Compliance Draft & Final Environmental Impact Statements Wetland Delineation Wetland Permitting Visual Impact Assessment Public Outreach
<b>East Hill Wind Farm Project Otsego County, NY</b>		
40 MW (17 Turbine) Installation	REUNION POWER	Preliminary SEQRA Compliance Public Outreach Field Evaluation Visual Impact Analysis
<b>Eastover Road Substation Rensselaer County, NY</b>		
115-230 kV Substation & Tap Lines	NATIONAL GRID	SEQRA Compliance Wetland Delineation & Permitting Visual Impact Assessment SHPO Consultation PSCL Part 102 Report SWPPP Preparation Grading Plans Wetland Mitigation Design SPDES Compliance
<b>Empire State Newsprint Project Rensselaer County, NY</b>		
8.1 Mile 345 kV Transmission Line	EPSILON ASSOCIATES	Visual Impact Study for NY Public Service Law Article VII Application
<b>Fenner Wind Power Project Madison County, NY</b>		
30 MW (20 Turbine) Installation	ATLANTIC WIND (PPM ENERGY)	SEQRA Approval Visual Impact Analysis Agricultural Projection Specifications

PROJECT	CLIENT	SERVICES
<b>G-Line North Transmission Line Project Dutchess County, NY</b>		
8 Mile 69kV Electric Transmission Line Rebuild	CENTRAL HUDSON GAS & ELECTRIC	NY Public Service Commission Law Part 102 Report Wetland & Stream Delineation Cultural Resources Survey Ecological Surveys
<b>Gouverneur, Fowler &amp; Edwards Natural Gas Franchise Approval St. Lawrence County, NY</b>		
29,500 LF Gas Distribution System	ST. LAWRENCE GAS CORPORATION	Environmental Impact Assessment Report State & Federal Wetland Permitting
<b>Great Bay Wind Energy Center Somerset County, MD</b>		
80 MW (25 Turbine) Installation	PIONEER GREEN ENERGY	Visual Impact Assessment Phase 1 Archeological Survey Historic Resources Assessment Wetland Delineation & Permitting Rare Plant Survey State Agency Consultation
<b>Great Lakes Offshore Wind Project - GLOW</b>		
Offshore Wind Energy Planning Study	NY POWER AUTHORITY / AWS TRU POWER	Preliminary Screening of Selected Environmental Resources: Fisheries, Water, Aesthetic, Bats & Butterflies
<b>Green Power Energy Wind Project Madison County, NY</b>		
9 MW (5 Turbine) Installation	GREEN POWER ENERGY	SEQRA Compliance Ecological Surveys Wetland Delineation Civil Engineering Services SWPPP Preparation
<b>Hardscrabble Wind Power Project Herkimer County, NY</b>		
74 MW (37 Turbine) Installation	IBERDROLA RENEWABLES	Wetland Delineation & Permitting Wetland Mitigation Design Visual Impact Assessment Ecological Studies Draft, Supplemental & Final Environmental Impact Statements Local Special Use Permits Environmental Compliance Monitoring SPDES Compliance Post-Construction Agricultural, Wetland & Invasive Species Monitoring

PROJECT	CLIENT	SERVICES
<b>Horse Creek Wind Farm Project Jefferson &amp; Oswego County, NY</b>		
100 MW (50 Turbine) Installation	IBERDROLA RENEWABLES	Draft Generic & Supplemental Environmental Impact Statements Wetland Delineation & Permitting Visual Impact Assessment
<b>Howard Wind Power Project Steuben County, NY</b>		
55 MW (27 Turbine) Installation	EVERPOWER	SEQRA Compliance Draft & Final Environmental Impact Statements Wetland Delineation & Permitting Visual Impact Assessment Shadow Flicker Analysis Ecological Studies Cultural Resource Study Local Special Use Permit Environmental Compliance Assistance During Construction
<b>Huntley Generating Facility Tonawanda, Erie County, NY</b>		
Proposed Cooling Towers	NRG ENERGY	Visual Simulations Site Planning Visual Impact Assessment
<b>Indian Point Nuclear Power Plant Westchester County, NY</b>		
Proposed Closed-Cycle Cooling Towers	SCENIC HUDSON	Visual Simulations Visual Assessment in Support of Alternatives for Re-licensing Proceedings
<b>Jamestown Board of Public Utilities Power Plant &amp; Operations Center Jamestown, NY</b>		
40 MW Clean-Coal Power Generating Plant	JAMESTOWN BOARD OF PUBLIC UTILITIES / ENSR	Visual Impact Assessment
<b>Jordanville Wind Power Project Herkimer County, NY</b>		
80-150 MW (40-75 Turbine) Installation	COMMUNITY ENERGY (IBERDROLA RENEWABLES)	SEQRA Compliance Draft, Supplemental & Final Environmental Impact Statements Visual Impact Assessment Local Special Use Permit Wetland Delineations Ecological Surveys



PROJECT	CLIENT	SERVICES
<b>Leeds-Pleasant Valley Transmission Line Green &amp; Albany County, NY</b>		
39 Mile 345 kV Line Structural Upgrade	PG&E NATIONAL ENERGY GROUP	Wetland, Ecological & Visual Impact Studies for Article VII Application
<b>Linfield Energy Center, PA</b>		
500 MW Gas-Fired Power Plant	LINFIELD ENERGY	Visual Impact Assessment
<b>Lisbon-Huevelton Transmission Line St. Lawrence County, NY</b>		
8.6 Mile 115kV Transmission Line	NATIONAL GRID	Wetland & Stream Delineation & Permitting SWPPP Preparation
<b>Long Island Power Authority / FPL Energy Wind Power Project Offshore NY</b>		
144 MW (40 Turbine) Offshore Installation	LONG ISLAND POWER AUTHORITY / FPL ENERGY / ENSR	Visual Simulations Communication Graphics
<b>Long Island – New York City Offshore Wind Power Project Offshore NY</b>		
350-700 MW (65-130 Turbine) Offshore Installation	LONG ISLAND POWER AUTHORITY / CON ED	Visual Simulations Public Outreach Website Development
<b>Madison Wind Power Project Madison County, NY</b>		
11.5 MW (7 Turbine) Installation <i>First Utility Scale Wind Power Project Built &amp; Operated in New York State</i>	PG&E NATIONAL ENERGY GROUP	SEQRA Compliance Public Outreach Environmental Compliance Monitoring First Year Avian Mortality Study
<b>Maple Ridge (Flat Rock) Wind Farm Lewis County, NY</b>		
330 MW (195 Turbine) Installation 10.3 Mile 230 kV Transmission Line <i>Largest Commercial Wind Power Project in Northeastern United States</i>	HORIZON WIND ENERGY (IBERDROLA RENEWABLES)	Draft & Final Environmental Impact Statements Article VII Application Expert Witness Testimony Environmental Management & Construction Plan State & Federal Wetland Permitting Post-Construction Wetland Mitigation Area Monitoring

PROJECT	CLIENT	SERVICES
<b>Marble River Wind Power Project Steuben County, NY</b>		
220-230 MW (74-109 Turbine) Installation	HORIZON WIND ENERGY	Draft, Supplemental & Final Visual Impact Assessment Post-Approval SEQRA Modification
<b>Marcy Nanocenter Transmission Line Oneida County, NY</b>		
1 Mile 345 kV Transmission Line	CH2M HILL / MOHAWK VALLEY EDGE	Alternative Analysis to Support Environmental Review Wetland Inventory Ecological Survey Cultural Resources Survey
<b>Merrimack Valley Reliability Project Hillsborough, Rockingham, Middlesex &amp; Essex County, NH</b>		
23.5 Miles 345 kV Transmission Line	NATIONAL GRID	Visual Impact Assessment Visual Simulations
<b>Monticello Hills Wind Otsego County, NY</b>		
18 MW (6 Turbine) Installation	RIDGELINE ENERGY	SEQRA Compliance Local Special Use Permit Visual Impact Assessment Cultural Resources Studies Shadow Flicker Analysis Wetland Delineation
<b>Moses-Adirondack Transmission Line St. Lawrence &amp; Lewis County, NY</b>		
4 Mile 230 kV Transmission Line	NY POWER AUTHORITY / LOUIS BERGER	Wetland & Stream Delineation
<b>Munnsville Wind Power Project Madison &amp; Oneida County, NY</b>		
40.5 MW (6 Turbine) Installation	AIRTRICITY (CITIZENS ENERGY)	SEQRA Compliance Visual Impact Analysis Wetland Delineation Environmental Compliance Monitoring Ecological Studies Agricultural Impact Studies

PROJECT	CLIENT	SERVICES
<b>Neptune Regional Transmission System Manhattan &amp; Nassau County, NY</b>		
4 Converter Station Sites	NEPTUNE / ECOLOGY & ENVIRONMENT	Visual Impact Assessment
<b>New England East-West Solution – NEEWS Massachusetts</b>		
75 Mile 345 kV & 115 kV Transmission Lines	NATIONAL GRID/ RHODE ISLAND RELIABILITY & INTERSTATE RELIABILITY	Visual Impact Assessment for 4 Projects Rhode Island & Massachusetts Electric Facilities Siting Boards Submittals Interrogatory Responses/Expert Witness Testimony
<b>New London Avenue Substation Kent County, RI</b>		
Proposed Electrical Substation	NATIONAL GRID	Visual Simulations
<b>Newport Transmission Line Newport County, RI</b>		
4.3 Mile Transmission Line & Substation Upgrades	NATIONAL GRID	Visual Impact Assessment Visual Simulations
<b>New York Regional Interconnect Oneida to Orange County, NY</b>		
12,200 Square Mile Study Area 190 Mile 400 kV Transmission Line	ESS GROUP	Visual Impact Assessment for Article VII Application 86 Visual Simulations Expert Witness Testimony
<b>New York State Wireless Network Various Location, NY</b>		
500-12,200 Interconnected Communication Antenna throughout NY State	SPECTRA ENVIRONMENTAL GROUP	Generic Visual Impact Assessment Development of Site Evaluation Process
<b>NFG Dunkirk Pipeline Chautauqua County, NY</b>		
9.5 Mile Natural Gas Pipeline	NATIONAL FUEL GROUP	Phase 1 Archeological Survey SHPO Consultation
<b>Norfolk-Chateaugay Transmission Line St. Lawrence &amp; Franklin County, NY</b>		
48 Mile Natural Gas Transmission Line 50 Miles of Service/Distribution Lines	ST. LAWRENCE GAS CORPORATION	Wetland Delineation & Permitting Ecological Studies Article VII Application

PROJECT	CLIENT	SERVICES
		Environmental Management & Construction Plan SEQRA Compliance Environmental Compliance Monitoring for Article VII SPDES Compliance
<b>Orange County Transmission Line Project Orange County, NY</b>		
11.5 Mile 69 kV Transmission Line	CENTRAL HUDSON GAS & ELECTRIC	Viewshed Analysis Construction Documentation
<b>Paradise Switchyard Tonawanda, Erie County, NY</b>		
Proposed New Switchyard	NATIONAL GRID	3d Computer Modeling for Public Information Purposes SEQRA Compliance
<b>Pipeline Relocation Oneida County, NY</b>		
0.25 Mile Natural Gas Pipeline Relocation	NATIONAL GRID	Environmental Assessment in Support of EM&CP Change Wetland & Stream Delineation SWPPP Preparation SHPO Consultation
<b>Proposed Solar Energy Sites Oneida County, NY</b>		
55 Acre & 68 Acre Sites for Solar Energy Development	BORREGA SOLAR SYSTEMS INC.	Wetland Delineation GIS Mapping
<b>Ramapo Energy Project Rockland County, NY</b>		
1100 MW Gas-Fired Power Plant	AMERICAN NATIONAL POWER / ESS GROUP	Visual Impact Assessment Ecological Studies Article X Application Interrogatory Responses/ Expert Witness Testimony
<b>Roaring Brook Wind Power Project Lewis County, NY</b>		
80 MW (39 Turbine) Installation	IBERDROLA RENEWABLES	SEQRA Compliance Draft, Supplemental & Final Environmental Impact Statements Wetland Delineation & Permitting Visual Impact Assessment Ecological Studies
<b>Salmon River Substation Project Oswego County, NY</b>		

PROJECT	CLIENT	SERVICES
Proposed New Substation	NATIONAL GRID	Visual Study for Substation Screening for FERC Relicensing
<b>Scioto Ridge Wind Farm Harding County, OH</b>		
300 MW (176 Turbine) Installation 4.8 Mile 345 kV Transmission Line	EVERPOWER	Ohio Power Siting Board (OPSB) Certificate of Environmental Compatibility & Public Need Visual Impact Assessment Shadow Flicker Analysis
<b>Sodeman Road Substation Saratoga County, NY</b>		
Electrical Substation	NATIONAL GRID	Article VII Amendment Visual Impact Assessment Wetland Delineation Ecological Survey SHPO Consultation
<b>Stiles Brook Wind Farm Windham County, VT</b>		
Proposed Wind Energy Project (up to 32 Turbine)	IBERDROLA RENEWABLES	Visual Simulations
<b>Timber Road I &amp; II Wind Farms Paulding County, OH</b>		
200 MW (150 Turbine) Installation	HORIZON WIND ENERGY	Ohio Power Siting Board (OPSB) Certificate of Environmental Compatibility & Public Need Visual Impact Assessment Shadow Flicker Analysis
<b>Tompkins County Public Safety Communications System Tompkins County, NY</b>		
Wireless Communication Network	TOMPKINS COUNTY	Visual Impact Assessment
<b>Transenergie Cross- Long Island Sound Cable Project New York &amp; Connecticut</b>		
Above-Ground Transition Stations – Submarine Cable Crossings	TRANSENERGIE / ESS GROUP	Visual Impact Assessment
<b>Van Dyke Road Substation Albany County, NY</b>		
Substation & 0.7 Mile Duct Bank	NATIONAL GRID	SEQRA Compliance Visual Impact Assessment Phase 1 Archeological Study SWPPP Preparation SPDES Compliance

PROJECT	CLIENT	SERVICES
<b>WH-1/2 Transmission Line Project Ulster County, NY</b>		
11 Mile 69kV Electric Transmission Line Rebuild	CENTRAL HUDSON GAS & ELECTRIC	NY Public Service Commission Law Part 102 Report Wetland & Stream Delineation Cultural Resources Survey Ecological Surveys
<b>Wild Meadows Wind Farm Grafton &amp; Merrimack County, NH</b>		
75.9 MW (23 Turbine) Installation	IBERDROLA RENEWABLES	Visual Impact Assessment Public Outreach Website Development Expert Witness Testimony
<b>Zotos Wind Power Project Ontario County, NY</b>		
3.3 MW (2 Turbine) Installation	ZOTOS INTERNATIONAL INC.	SEQRA Compliance Visual Impact Assessment Shadow Flicker Analysis Avian/Bat Risk Assessment Wetland Delineation & Permitting SWPPP Preparation SPDES Compliance Environmental Compliance Monitoring During Construction