COMMONWEALTH OF KENTUCKY BEFORE THE ELECTRIC GENERATION AND TRANSMISSION SITING BOARD

In the Matter of:

ELECTRONIC APPLICATION OF LYNN) BARK ENERGY CENTER, LLC FOR A) CERTIFICATE OF CONSTRUCTION FOR AN) UP TO 200 MEGAWATT MERCHANT) ELECTRIC SOLAR GENERATING FACILITY) IN MARTIN COUNTY, KENTUCKY)

Case No. 2024-00104

APPLICANT LYNN BARK ENERGY CENTER, LLC'S WITNESS LIST FOR OCTOBER 16, 2024 HEARING AND MOTION FOR VIRTUAL ATTENDANCE OF CERTAIN WITNESSES AT HEARING

Comes now Applicant Lynn Bark Energy Center, LLC (the "Project") by and through counsel, pursuant to 807 KRS 5:001, Section 6(2) and other applicable law, and hereby gives notice of its intent to make the following witnesses available for examination at the hearing for this matter scheduled for October 16, 2024.

Caleb Lemoine, Development Manager at Savion, LLC ("Savion"), and lead developer for the Project, will be available to provide testimony generally in sponsorship of the Project's Application (filed June 7, 2024), compliance with notice requirements, responses to the Electric Generation and Transmission Siting Board ("Siting Board") Staff's initial and supplemental requests for information (filed August 5, 2024 and September 9, 2024), and its Response to Consultant's Report (filed October 7, 2024).

Christina Martens, Director of Permitting and Environmental at Savion, will be available to provide testimony regarding these same topics, if needed, and specifically regarding federal, state, and local permits and coordination. Ms. Martens can also provide testimony regarding the Martin County Solar Project, if desired for comparison or illustrative purposes.

Erich Miarka, Development Director at Savion, will be available to provide testimony generally regarding the same general topics as Mr. Lemoine and Ms. Martens, if needed. Mr. Miarka can also provide testimony regarding the Martin County Solar Project, if desired for comparison or illustrative purposes.

Joshua Crumpler, Senior Renewables Civil Engineer at Savion, will be available, if needed, to provide testimony regarding details from an engineering perspective of Project layout, design, equipment, and constructability.

Justin Ahn, PWS, SSIT, Managing Consultant, Capital Project Delivery at Environmental Resources Management, Inc. ("ERM") and lead consultant for the Project, will be available to provide testimony regarding his and ERM's role in the preparation of the Application narrative and Tab 12, SAR, generally. He will be available specifically for testimony regarding SAR Exhibits D (Acoustic Assessment), E (Traffic Impact Study), G (Glare Analysis Study), and H (Visual Simulations). Additionally, he can provide testimony regarding Tab 5 Attachment H (Cumulative Environmental Assessment). Mr. Ahn also participated in preparing responses on those items so noted in Pike County Solar's responses to the Board's initial and supplemental data requests and the denoted attachments thereto.

Tony Agresti, Principal Scientist at ERM, will be available, if needed, to provide testimony regarding SAR Exhibit D, the Acoustic Assessment Report, and responses to Board data requests on the same topic.

Each above-listed witness can also provide testimony regarding proposed mitigating measures in their listed subject areas.

2

Attached hereto are the qualifications of the Project's third-party expert witnesses, Justin Ahn and Tony Agresti.

The Project also respectfully requests that Joshua Crumpler and Tony Agresti be permitted to attend the Formal Hearing on October 16, 2024 virtually. Mr. Crumpler is located in North Carolina and may or may not testify, as he is being made available as a witness only in the event there are in depth questions regarding engineering and/or constructability issues that are beyond the knowledge of three Project witness and the lead consultant. Similarly, Mr. Agresti is located in New Jersey and may or may not testify, as he is being made available as a witness only in the event there are in depth questions regarding the Acoustic Assessment that are beyond the knowledge of the Project witnesses and the lead consultant.

These two witnesses have the technical capabilities and can be provided connection information for virtual appearance. No party will be prejudiced by permitting these witnesses to attend virtually.

Respectfully submitted,

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Sommer L. Sheely Dylan F. Borchers Kara H. Herrnstein BRICKER GRAYDON LLP 100 South Third Street Columbus, OH 43215-4291 Telephone: (614) 227-2300 Facsimile: (614) 227-2390 E-mail: <u>ssheely@brickergraydon.com</u> <u>dborchers@brickergraydon.com</u> kherrnstein@brickergraydon.com

Counsel for Lynn Bark Energy Center, LLC



Justin Ahn, PWS, SSIT Managing Consultant, Capital Project Delivery

Mr. Ahn is a professional wetland scientist (PWS) and a North Carolina licensed soil scientist in training (SSIT) with 11 years of experience managing, reviewing, conducting, leading, and preparing wetland reports, wetland permit applications, threatened and endangered species, Phase I and II Environmental Site Assessments, local use permitting support, soil assessments, and other environmental and natural resources support throughout several states in the U.S. mid-Atlantic, mid-west, southeast, and gulf coastal area for renewable energy, linear transmission, oil and gas, and transportation projects. Additionally, Justin has the experience and credentials of a Certified Professional Soil Scientist (CPSS) and is expects to have full certification within the month.



EXPERIENCE: 11 years' experience in natural resources and environmental projects

LINKEDIN: Justin Ahn, PWS, SSIT | LinkedIn

EMAIL: justin.ahn@erm.com

EDUCATION

- Master of Science, Environmental Assessment, North Carolina State University, North Carolina, United States, 2019
- Bachelor of Science, Environmental Science / Wetland Assessment, North Carolina State University, North Carolina, United States, 2015

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS

- Professional Wetland Scientist, 3168, December 31, 2019
- Licensed Soil Scientist in Training, North Carolina, April 3, 2017
- NCDEQ DWR Surface Water Identification and Certification Certificate, 852T-1115, North Carolina, December 10, 2015

LANGUAGES

• English, native speaker

FIELDS OF COMPETENCE

- Wetland Assessment, Delineation, Permitting
- Soil Classification and Study
- Threatened and Endangered Species Assessments
- Phase I Environmental Site Assessments
- Project Management

KEY INDUSTRY SECTORS

- Renewable/Clean Energy
- Electric Transmission

KEY PROJECTS

Hope Hull Solar Project

Project Manager, Montgomery County, Alabama, (2024).

Mr. Ahn managed the project which included T&E habitat survey, wetland delineation, a Phase I Environmental Site Assessment, and a Phase II Environmental Site Assessment for a utility scale solar facility in Montgomery County, Alabama.

Caprock Solar Project

Project Manager, Calcasieu Parish, Louisiana, (2024).

Mr. Ahn managed the project which included T&E habitat survey, a critical issues analysis, wetland delineation, cultural resources desktop survey, local permitting support, and agency concurrence for a utility scale solar facility in Calcasieu Parish, Louisiana.

Blaney Solar Project

Project Manager, Concordia Parish, Louisiana, (2024).

Mr. Ahn managed the project which included T&E habitat survey, a critical issues analysis, wetland delineation, cultural resources desktop survey, local permitting support, and agency concurrence for a utility scale solar facility in Concordia Parish, Louisiana.

Pike County Solar Project

Project Manager, Pike County, Kentucky, (2024).

Mr. Ahn managed the project which included various studies to facilitate the approval with the Kentucky Siting Board for the development of a solar facility in Martin County, Kentucky. The studies included visual assessment, glint and glare study, decommissioning plan, and a due



diligence study. Mr. Ahn worked with the client and ERM internal team to ensure the project was completed on time and accurately.

Confidential Project

Soil Scientist, Glenn County, California (2024).

Mr. Ahn conducted a desktop assessment of the project for prime farmland, farmland of statewide importance, and additional farmland classifications in Glenn County, California. The analysis additionally included a discussion of pertinent laws and procedures to develop the project within prime farmland and additional farmland classifications.

KEY PROJECTS PRIOR TO JOINING ERM

Kieser

Project Manager. McLean County. Illinois, (2022-2023).

Mr. Ahn managed the project and reviewed reports for stream and wetland delineations and determinations within McLean County, Illinois in accordance with the Clean Water Act, Section 404 for the potential solar farm. Mr. Ahn additional lead the effort to compile and coordinate with the USACE regarding a preliminary jurisdictional determination and a wetland permit application, managed and reviewed a threatened and endangered habitat assessment, and a cultural assessment, and a Phase I Environmental Site Assessment in connection with the Project. Mr. Ahn additionally managed the coordination with the local use permit for rezoning the Project and managed the development of an Agricultural Impact Mitigation Agreement and drain tile study.

Sycamore Cross

Project Manager/Environmental Scientist Lead. Isle of Wight County. Virginia, (2022-2023).

Mr. Ahn managed project, conducted and led field team for stream and wetland delineations and determinations within multiple locations in Virginia in accordance with the Clean Water Act, Section 404 for the potential development of a solar farm. Mr. Ahn additional lead the effort to compile and coordinate with the USACE regarding a preliminary jurisdictional determination and Virginia joint permit application in connection with the findings and potential future plans for the Project. Additionally, Mr. Ahn led the effort to conduct multiple environmental studies to support a Certification of Public convenience and Necessity (CPCN) including a threatened and endangered habitat survey, tree survey, barking tree frog assessment, viewshed analysis, and support in compiling the application.

Border Basin

Project Manager. Hancock County, Ohio, (2022-2023).

Mr. Ahn managed the project and led the effort to compile and coordinate with the USACE regarding a preliminary jurisdictional determination in connection with the findings and potential future plans for the Project.





Anthony Agresti, INCE

Principal Consultant

Mr. Tony Agresti has 35 years of experience in noise assessments for renewable energy (solar, BESS, wind power), data centers, cogeneration/independent power, compressor station and linear projects, LNG facilities, and industrial clients. He specializes in the design and implementation of ambient noise monitoring programs, performing noise analyses, which include developing detailed noise data for a variety of sources, modeling to calculate facility noise levels, and noise impact analyses. Tony also provides expert witness testimony on noise related issues.



EXPERIENCE: 35 years' experience in the field of environmental noise consulting for power generation and energy projects, linear projects, and environmental impact statements.

- LINKEDIN: https://www.linkedin.com/in/anthonyagresti/
- EMAIL: tony.agresti@erm.com

EDUCATION

• BA. Meteorology, Kean University, USA, 1984

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS

• Institute of Noise Control Engineering – Elected Member

LANGUAGES

- English, native speaker
- Italian, working knowledge

FIELDS OF COMPETENCE

- Noise analysis and impact assessments
- Conceptual noise control design
- Noise modeling and mitigation analyses
- Design and implementation of ambient noise monitoring programs

- FERC permitting
- Compliance testing
- Expert witness testimony

KEY INDUSTRY SECTORS

- Power Generation (fossil and renewables)
- Oil & Gas
- Electric Utilities
- Cogeneration/ Combined Heat & Power
- Energy Storage
- Commercial and Industrial

KEY PROJECTS

Arevon Swallowtail Solar Facility

Mr. Agresti conducted the noise assessment for this proposed photovoltaic facility in Bartholomew County, Indiana. The noise assessment was carried out to understand the noise levels that would be generated by the project inverters and transformers. In lieu of applicable noise standards, modeled noise levels were evaluated against USEPA guidelines.

Dauphin Solar/BESS I Facility

Mr. Agresti prepared the noise assessment for this proposed 55 MW combination solar and battery storage facility in Upper Paxton, Dauphin County, Pennsylvania. Mitigation modeling consisting of micro-siting individual inverters and the BESS area was conducted in order to achieve compliance with the County noise ordinance for solar generating facilities.

Stellar Renewables Dry Creek and Capital City Solar/BESS Projects

Mr. Agresti conducted the noise modeling assessments for these proposed solar/BESS facilities. The Dry Creek project is a proposed 237 MW photovoltaic facility that will include 262 inverters, 44 auxiliary transformers and one substation transformer. The Capital City project is a proposed combination solar and BESS project that will contain 47 Tesla Megapack BESS containers, 92 solar inverters and a substation transformer.

Confidential Client Data Center

Mr. Agresti conducted an acoustic assessment of a proposed data center facility in Aurora, Colorado. The assessment included an acoustical model of the proposed facility's cooling equipment, main step-up transformers, and emergency generators. Modeling considered the barrier and reflection effects of existing and proposed structures. Models of both normal and emergency operation were prepared and the results were evaluated against the State of Colorado's noise standard at industrial and residential property lines and found to be below the regulatory limit. No noise mitigation measures were required.



STACK Data Centers

Mr. Agresti is assisting STACK with the noise assessments for multiple proposed data center facilities throughout Virginia. The assessments include conducting ambient noise measurement programs to quantify the existing noise environment, and developing noise modeling assessments to determine project related noise levels during normal and emergency operating conditions. Additionally, he is conducting noise mitigation modeling that includes evaluating different chiller and emergency generator models, and supporting STACK by attending public hearings.

Confidential Client Biomass Power Project, Divo, Ivory Coast

Mr. Agresti prepared the noise assessment for the Environmental and Social Impact Assessment for this proposed biomass project in Ivory Coast. The project will include boilers, conveying systems, transformers and cooling fans. ERM utilized field measured ambient sound level data collected by others to quantify the existing noise environment. Mr. Agresti conducted the noise modeling and mitigation analysis for the major facility sources. Modeled noise levels were compared to existing ambient conditions and to the World Bank/IFC noise standards.

Confidential Client Liquefaction Facility, Plaquemines Parish, Louisiana

Mr. Agresti is currently preparing the Resource Report 9 noise assessment as part of the FERC licensing for this proposed natural gas liquefaction project. The liquefaction portion of the project will be in Plaquemines Parish, Louisiana. The project will also include two compressor stations, also in Louisiana. The noise assessment will include modeling and mitigation analyses of all operational noise sources, and an assessment of construction related noise, including for horizontal direction drilling activity.

Confidential Client Port Development Project, Toco, Trinidad and Tobago.

Mr. Agresti prepared the noise assessment for the Environmental Impact Assessment for this proposed ferry port project in Toco, Trinidad. ERM analyzed ambient noise measurement data collected by others in order to quantify the existing noise environment. Mr. Agresti modeled noise associated with potential port vessels, including passenger ferries, coast guard vessels and pleasure boats. Modeling of construction related noise, including pile driving and dredging, was also conducted. Project noise levels were evaluated against the existing ambient noise levels, the World Bank/IFC noise standards, and the Trinidad and Tobago noise pollution standard.

Confidential Client Helium Export Project, Freeport, Louisiana.

Mr. Agresti conducted the Resource Report 9 noise assessment for this helium extraction facility to be located at the site of an existing natural gas pre-treatment facility in Freeport, Louisiana. The noise assessment include a modeling and mitigation analysis of the major facility sources that include compressors, cooling fans and transformers. Ambient noise measurements at nearby NSAs were also conducted.

US Steel Mining Expansion Project, Minnesota

Mr. Agresti assisted in preparing the noise impact assessment for the Environmental Assessment for a proposed mining project in Minnesota.



KEY PROJECTS PRIOR TO JOINING ERM

Power Generation

Independent Power Client Solar Project - West Greenwich, Rhode Island

Mr. Agresti prepared a screening level acoustical assessment of a proposed 3.34 Megawatt photovoltaic solar project in West Greenwich, Rhode Island. The assessment included modeling of the facility transformers and inverters in order to calculate expected sound levels during daytime and nighttime hours. Also prepared an estimate of the effect on sound levels at nearby residential properties that may occur with removal of a large amount of tree cover from the site.

Independent Power Client Solar Projects - Multiple Sites in Rhode Island

Conducted screening level noise assessments for photovoltaic solar projects proposed at multiple sites throughout Rhode Island. Each site would include transformers and inverters. Assessments were conducted in order to determine expected sound levels during daytime and nighttime operation, and to evaluate expected noise levels against the applicable local noise ordinances. Also estimated existing ambient conditions using ANSI standards.

Independent Power Client - Wawayanda, New York

Mr. Agresti assisted the client in developing a noise testing protocol for approval by the Town of Wawayanda. The protocol was developed in consultation with Town officials and their acoustical consultant in preparation for noise compliance testing. The protocol was designed to provide the methodology for determining compliance with the Town's noise ordinance. Following approval of the protocol, conducted noise compliance testing of the Valley Energy Center operating under full load conditions while firing natural gas, and while firing ultra-low sulfur diesel fuel.

Independent Power Client - Beacon Falls, Connecticut

Mr. Agresti assisted client in conducting a noise assessment for this proposed 63 MW fuel cell project in Beacon Falls, Connecticut. The proposed project would be the largest fuel cell project in the world, consisting of 21 Fuel Cell Energy modules. Conducted an ambient noise monitoring program at nearby noise sensitive residential locations in order to quantify the existing noise environment. He has conducted detailed noise modeling of the fuel cell sources utilizing the CadnaA model. The existing topographic features of the site were included in the modeling analysis. Worked with client and their engineers to explore noise mitigation measures for the project to reduce noise levels and minimize potential noise impacts.

Independent Power Client - Woodbridge, New Jersey

Mr. Agresti conducted a noise assessment for an energy center, located in Woodbridge, New Jersey. This 700 MW project will consist of two GE Frame 7 combustion turbines and associated heat recovery steam generators operating in combined cycle mode. Conducted extensive noise modeling of the facility in order to determine if project noise levels would be in compliance with the State of New Jersey noise standard and the Woodbridge noise ordinance. He worked closely with CPV and their engineering staff while exploring mitigation measures that would be required to reduce project generated noise levels.



Independent Power Client - Sayreville, New Jersey

Mr. Agresti conducted the noise modeling analysis of this proposed 560 MW electric power generation facility consisting of one General Electric (GE) 7HA.02 combustion turbine, one heat recovery steam generator, a wet mechanical draft cooling tower, and other ancillary sources. Worked with client staff and their engineers to explore and evaluate the effectiveness of noise mitigation on various project sources in order to reduce offsite noise levels. As part of an eventual EIS filing, he has also conducted an ambient noise monitoring program in order to establish baseline noise levels for comparison to expected project related noise levels.

Independent Power Client Solar Project - Shoreham, New York

This proposed solar project, to be located on the site of a former golf course, would be capable of generating nearly 25 MW of electricity utilizing photovoltaic modules. Mr. Agresti conducted a noise modeling study of the emissions from the project electrical inverters and main transformer in order to determine project related noise emissions at residential areas bordering the site. The analysis revealed that project noise levels would be very low and not expected to result in any noise impacts.

Independent Power Client - Brookhaven, New York

This combined cycle facility, located in Brookhaven, New York, would generate approximately 752 megawatts (MW) of electricity using state-of-the-art combined cycle (CC) technology. The power block would consist of two F-Class heavy-duty combustion turbines that would drive two combustion turbine generators to produce electric power. Each CT would be equipped with a heat recovery steam generator. The project will utilize an air cooled condenser for cooling. The facility would be designed to operate as a base load electric generating plant. Mr. Agresti prepared the EIS noise section for the proposed Project, and was responsible for all phases of the noise licensing, including ambient noise monitoring, noise modeling of project sources, and determining compliance with both local standards and the New York State Department of Environmental Conservation's Noise Policy. Noise modeling was conducted utilizing the CadnaA noise model. This 3-dimensional model was used to develop a noise contour map of the entire area. The model allows input of topographic features and buildings, and takes into account both reflection and absorption by these features.

Independent Power Client Project - Brookhaven, New York

Conducted an ambient noise monitoring program at selected residential locations in the vicinity of the proposed combined cycle project. The ambient program was designed through close interaction with local civic groups in order that their potential concerns regarding noise could be addressed. The program included continuous noise monitors at five residential locations, and short-term measurements at additional locations. The results of the program will be utilized in future noise modeling and impact assessments as will be required under New York State's SEQRA process.

Utility Client Repowering Project - Island Park, New York

Mr. Agresti participated in the noise assessment of the proposed repowering of this utility client's facility along with acoustical consultants from several other firms. The Project will consist of a new



combined cycle electric generating facility containing two GE Frame 7 combustion turbines, and a simple cycle facility containing up to six GE LM6000 combustion turbines. The noise assessment will undergo New York State Article 10 licensing review. Ambient noise monitoring programs were conducted in order to establish existing ambient conditions. Preliminary indications are that significant noise control measures will be required in order to achieve compliance with anticipated Article 10 licensing requirements.

Independent Power Client - Yonkers, New York

Mr. Agresti prepared the noise assessment for this proposed HVDC transmission system that would transport renewable power from eastern Canada to the New York City Metropolitan Area. The project would include an HVDC converter system located in Yonkers, New York. Conducted the ambient noise monitoring program and conducted the noise modeling study of the major noise generating sources associated with the converter station, including transformers, valve coolers, and reactors. Modeling results were evaluated against the Yonkers noise ordinance limits to demonstrate compliance.

Independent Power Client - Haverstraw, New York

Mr. Agresti conducted the noise assessment as part of an Article X amendment filing for this proposed 775-megawatt (MW) combined cycle electric power generating facility adjacent to GenOn's existing power generating facility in Haverstraw, Rockland County, New York. Conducted an ambient noise monitoring program and a detailed noise modeling analysis. Noise emissions from the proposed air cooled condenser and combustion turbine air inlets were a primary concern due to the proximity of residential locations and the regulatory noise requirements. Also evaluated the effectiveness of various air cooled condenser configurations and provided detailed noise specifications for the project.

Independent Power Client Solar Project - Winchendon, Massachusetts

Mr. Agresti evaluated noise emissions from the inverter pads associated with this proposed solar farm project. Noise emission data for the inverter fans and transformers were obtained from a potential vendor and noise modeling was conducted in order to determine operational noise levels at property line and residential locations.

Independent Power Client Wind Energy Project - Searchlight, Nevada

Mr. Agresti conducted the noise assessment for the proposed Searchlight Wind Energy Project. The project will consist of from 87 to 96 wind turbine generators located in the area of Searchlight, Nevada. The analysis includes conducting noise modeling to determine noise levels throughout the area. Special attention is being paid to potential noise impacts on Bureau of Land Management and National Recreational Lands, including the adjacent Lake Mead Recreation Area. Provided expert witness testimony in support of the project.

Independent Power Client Wind Energy Project - Reading, Michigan

Mr. Agresti provided noise consulting services, including expert witness support, for this proposed 100 MW wind energy facility to be located on over 12,000 acres in and around Reading, Michigan. As part of the noise assessment, provided support in the form of attending and presenting at a



local wind power exposition, and attended regulatory hearings. Detailed noise modeling was conducted in order to microsite wind turbine locations for demonstrating compliance with local noise ordinances.

Independent Power Client Wind Energy Project - Chautauqua County, New York

Mr. Agresti prepared the noise assessment for this proposed wind energy project. The project will consist of 42 Siemens SWT-2.3-108 wind turbine generators ranging in hub height from 80 meters to 98 meters. The analysis includes conducting multiple noise modeling iterations and micro-siting of the turbine locations in order to achieve compliance with the applicable noise standard at residential locations.

Independent Power Client - Maryland

Mr. Agresti conducted the noise guarantee testing of the air quality control systems (ACQS) at three electric generating facilities in Maryland. Testing was conducted under ANSI standards in order to determine the noise emissions of sources associated with the AQCS, and to determine if the sources were in compliance with contractor's performance guarantee.

Independent Power Client - Wawayanda, New York

Mr. Agresti prepared the SEQRA EIS noise assessment for this proposed 630 MW natural gas facility in Wawayanda, New York. The assessment consisted of an ambient noise monitoring program at selected noise residential locations in the vicinity of the project site, and a detailed 3-dimensional noise modeling and mitigation study. The proposed project would utilize air cooling technology, which required special attention during the noise modeling analysis. Also responsible to ensure that calculated future noise levels and increases in noise would be in compliance with the local noise ordinance and the requirements of the NYSDEC.

Local Jurisdiction Wind Project - Dartmouth, Massachusetts

Mr. Agresti conducted a peer review of the noise assessment conducted for the Dartmouth DPW Wind project for the Town of Dartmouth. The peer review was conducted in order to evaluate if the noise assessment was conducted in accordance with industry-accepted standards, and followed ANSI and other prescribed standards for conducting wind energy noise assessments.

Independent Power Client - Middletown, Connecticut

Mr. Agresti conducted the noise assessment for this 620 MW combined cycle facility located in Middletown, Connecticut. A detailed noise modeling study and an ambient noise monitoring program were conducted in order to satisfy the requirements of the State of Connecticut Siting Council. Provided expert witness testimony to the Siting Council in support of the Project, and continued to support this project through the design and implementation of construction noise monitoring programs and updating noise modeling to incorporate new or modified sources at the facility to ensure compliance with the noise standard. Completed the noise compliance testing for the facility as part of the Siting Council requirements. The testing demonstrated that facility noise levels were well below the State of Connecticut noise standard limits.



Independent Power Client Wind Energy Project - Grant County, West Virginia

Mr. Agresti served as the senior noise scientist on this proposed wind project in West Virginia. The project, proposed in Grant County, will consist of up to 66 GE or Clipper wind turbines rated at 1.5 MW to 2.5 MW each. The complex topographical features of the area required the use of the CadnaA 3-dimensional noise model for determining project noise levels throughout the area. The noise assessment for the project was designed to comply with the detailed requirements of the West Virginia Public Service Commission (WVPSC), which included a seven day ambient noise monitoring program, and noise modeling of operational and construction related noise levels. Prepared pre-filed direct testimony for submittal to the WVPSC.

Independent Power Client Wind Energy Project - Potter County, Pennsylvania

Mr. Agresti served as the senior noise scientist for licensing of this proposed wind power project in Potter County, Pennsylvania. Conducted or provided oversight of the ambient noise monitoring program, conducted to establish baseline noise level conditions, and the noise modeling study. The project would consist of up to 62 GE 1.5 XLE or 2.5 XL turbines. Also conducted a correlation analysis of hub height wind speeds versus ground level ambient sound levels, in order to provide an estimate of ambient sound levels during various hub height winds.

Independent Power Client - Babylon, New York

Mr. Agresti conducted the noise assessment for this combined cycle facility consisting of a GE LM6000 combustion turbine, HRSG, steam turbine, and ancillary equipment. The assessment included an ambient noise monitoring program to characterize existing conditions in the site vicinity, and a noise modeling/mitigation analysis. The project was required to comply with the noise requirements of the Town of Babylon and the New York State Department of Environmental Conservation's noise policy. The modeling analysis revealed that noise mitigation measures would be needed in order to demonstrate compliance. The selected mitigation measures included an acoustical enclosure for the gas compressors, and a 42 foot high wall to shield nearby residences.

Independent Power Client - Freeport, New York

Mr. Agresti conducted the noise assessment for this combined cycle facility located in Freeport, New York. The project consists of two GE LM6000 combustion turbines, HRSGs, steam turbine, cooling tower and ancillary equipment. The project was constructed adjacent to an existing power generation facility.

The noise assessment included an ambient noise monitoring program to characterize existing conditions in the site vicinity and a noise modeling/mitigation analysis. The project was required to comply with the noise requirements of the Village of Freeport and the New York State Department of Environmental Conservation's noise policy. The Village noise ordinance contained limits for residential, commercial and industrial property lines, and as such, the modeling analysis required evaluation of multiple compliance areas. The modeling analysis revealed that noise mitigation measures would be needed in order to demonstrate compliance with the Village limits and the NYSDEC noise policy. The selected mitigation measures included strategic positioning of



facility sources, turbine inlet and exhaust silencers and enclosures for skid mounted equipment. A 42 foot high wall was also constructed to reduce noise at nearby properties.

Independent Power Client Wind Energy Project - Kibby Township, Maine

Mr. Agresti served as the noise scientist for this proposed wind project in Kibby and Chain of Ponds Townships in Maine. The project would consist of 15 Vestas V90 3 MW wind turbines. An ambient noise monitoring program and noise modeling of the output from the turbines was conducted. The modeling accounted for the complex terrain features in the area.

Independent Power Client Wind Energy Project - Pennsylvania

Mr. Agresti served as the noise scientist during licensing of this wind power project in Pennsylvania. The project, which is currently under construction, will consist of 124 GE 1.5 MW wind turbines. Conducted the ambient noise monitoring program, to establish baseline conditions, and conducted noise modeling of the wind turbines using the CadnaA model.

Utility Client - Queens, New York

Mr. Agresti prepared the Article X noise assessment for this combined cycle facility consisting of a Frame 7FA combustion turbine and air cooled condenser. Conducted an ambient noise monitoring program in accordance with NYSDPS requirements. Acoustic design goals for the facility were developed based on ambient conditions as specified by the modified CNR method and NYSDPS stipulations. Conducted a noise modeling study as part of facility licensing to demonstrate compliance with all applicable noise standards. Also conducted the compliance noise testing of the project as required by NYSDPS.

Independent Power Client - Haworth, New Jersey

Mr. Agresti prepared a noise study of this proposed electric generating project in Haworth, New Jersey. The project will consist of four Caterpillar G3520C reciprocating internal combustion engines housed within a building. Was responsible for developing a building design that would allow for compliance with the State of New Jersey noise standard. Worked with noise control vendors to specify the required wall and acoustical louver materials required.

Utility Client - Northport, New York

Mr. Agresti conducted a technical noise assessment for the proposed installation of either a hybrid mechanical draft or a hyperbolic natural draft cooling tower at the client's Northport, New York electric generating station. The assessment included an ambient noise monitoring program in the project vicinity to quantify existing ambient noise levels, and a noise modeling/impact study. Future noise levels associated with the cooling towers were compared to the Town of Huntington and NYSDEC noise standards.

Independent Power Client Wind Energy Project - Cape Cod, Massachusetts

Mr. Agresti conducted the review of the anthropogenic noise impact analysis prepared for the proposed Cape Wind Project, the first offshore wind power project in the northeast. The project would be capable of generating up to 345 MW of electricity, or enough for 75 percent of Cape Cod.



Multiple iterations of comment responses were required during the public hearing process. Worked with MMS staff in preparation of the noise sections.

Independent Power Client Wind Energy Project - Laurel Hill, Pennsylvania

Mr. Agresti served as the noise scientist on this project, preparing a detailed noise study. The project, proposed in Lycoming County, Pennsylvania, will consist of 47 GE wind turbines rated at 1.5 MW each. The complex topographical features of the area required the use of the CadnaA 3-dimensional noise model. Also conducted noise level measurements of wind turbines in operation at several sites to support study conclusions and provided expert witness testimony at numerous zoning board of approval hearing.

Subsequently conducted a detailed noise testing program of the operational project in order to demonstrate that noise emissions were in compliance with the Lycoming County noise ordinance limits.

Utility Client - Newington, Massachusetts

Performed the noise impact assessment for the client's proposed combined cycle electric generating facility. The facility will consist of two GE Frame 7FA turbines, heat recovery steam generators, a cooling tower, and other ancillary equipment. Performed computer noise modeling of the major sources and designed the background noise monitoring program to establish baseline noise levels in the area. Noise control features were added in order to maintain future increases in noise to no greater than 3 dBA.

Independent Power Client Wind Energy Client - Barbour and Randolph Counties, West Virginia

Mr. Agresti served as the senior noise scientist on this proposed wind project in West Virginia. The project, proposed in Barbour and Randolph counties, will consist of up to 65 GE or Clipper wind turbines rated at 1.5 MW to 2.5 MW each. The complex topographical features of the area required the use of the CadnaA 3-dimensional noise model for determining project noise levels throughout the area. The noise assessment for the project was designed to comply with the detailed requirements of the West Virginia Public Service Commission (WVPSC), which included a seven day ambient noise monitoring program, and noise modeling of operational and construction related noise levels. Provided expert witness testimony to the WVPSC as part of project licensing.

Independent Power Client - Waterbury, Connecticut

Mr. Agresti performed the noise assessment for this simple cycle facility consisting of a GE LMS100 combustion turbine and ancillary equipment. The noise assessment included an ambient noise monitoring program, noise modeling of all the major facility sources, and a noise impact assessment. Project compliance with the State of Connecticut and City of Waterbury noise standards was demonstrated. Provided expert witness testimony for FirstLight in front of the Connecticut State Siting Council. Following project approval, Mr. Agresti worked closely with FirstLight engineers during the equipment procurement process developing noise specifications for the major equipment sources. Also conducted the noise compliance test in for the facility.



Independent Power Client - Brookhaven, New York

Mr. Agresti prepared the EIS noise section for this proposed 346 MW combined cycle combustion turbine project in Brookhaven, New York. The project will consist of a Siemens Westinghouse combustion turbine and a heat recovery steam generator. The project will utilize an air cooled condenser for cooling. Was responsible for all phases of the noise licensing, including ambient noise monitoring, noise modeling of project sources, and determining compliance with both local standards and the New York State Department of Environmental Conservation's Noise Policy. Noise modeling was conducted utilizing the CadnaA noise model. This 3-dimensional model was used to develop a noise contour map of the entire area. The model allows input of topographic features and buildings, and takes into account both reflection and absorption by these features. Subsequently provided oversight during the noise compliance guarantee testing conducted by Siemens.

Utility Client Distributed Generation Project - Norwalk, Connecticut

Mr. Agresti prepared a noise study for three Caterpillar XQ2000 emergency generators at a site in Norwalk, Connecticut. Was responsible for preparing a noise model of the engines. Conducted noise measurements following engine installation to confirm calculated noise levels complied with the City of Norwalk and State of Connecticut noise standards. Represented client at town planning board and zoning board meetings.

Independent Power Client - Cambridge, Massachusetts

Mr. Agresti performed the noise impact assessment for the construction of a combined cycle facility at the site of a currently operating steam boiler facility. The project consists of one GE Frame 7FA turbine coupled to a heat recovery steam generator. Performed computer noise modeling of major facility sources in order to determine future noise levels at nearby sensitive receptors. The State noise standard limits noise increases to no greater than 10 dBA above background. The MADEP required that a "BACT" analysis be performed in order to determine the incremental cost involved in adding noise control features in order to reduce facility noise levels to increments of 3, 6 and 9 dBA above background. Determined noise control required for each major source and obtained cost estimates from vendors and suppliers. Also provided expert witness testimony in support of the project in front of the State Siting Council.

Independent Power Client - Peabody, Massachusetts

Mr. Agresti prepared the noise study for this proposed 99 MW peaking power facility. The project will include an Alstom Model GT11N2 combustion turbine generator. Conducted noise modeling of facility sources and provided oversight of the ambient noise monitoring project. Specified noise control measures required to comply with MADEP's noise policy; limiting increases in future noise levels to no greater than 10 dBA at any locations.

Independent Power Client - Sandwich, Massachusetts

Mr. Agresti performed the noise impact assessment for the expansion of this facility. Expansion to consist of the addition of two GE Frame 7FA turbines and ancillary equipment to an existing power plant. Performed computer noise modeling of major facility sources in order to determine future noise levels at nearby sensitive receptors. The State noise standard limits noise increases to no



greater than 10 dBA above background. The MADEP required that a "BACT" analysis be performed in order to determine the incremental cost involved in adding noise control features in order to reduce facility noise levels to increments of 3, 6, and 9 dBA above background. Determined noise control required for each major source and obtained cost estimates from vendors and suppliers.

An additional requirement of MADEP was that the impact assessment consider the increase in noise over the baseline noise levels that would exist in the absence of the existing plant. Therefore, as part of the background noise monitoring, the contribution of noise from the existing plant to the noise environment was calculated and subtracted from the measured noise levels.

Utility Client - Queens, New York

Mr. Agresti performed the noise assessment in support of the Article X permitting for two additional proposed baseload combined cycle facilities. The assessment included an ambient noise monitoring program to characterize the existing noise environment. Computer noise modeling of the major facility sources was performed using the NYSDPS's NOISECALC model. Noise control measures were incorporated as needed in order to comply with the New York City noise standards (including the CEQR requirement) and the modified CNR analysis. Extensive meetings were held with NYCDEP noise staff during the licensing phase.

Independent Power Client - Everett, Massachusetts

Mr. Agresti provided oversight for the client during EPC contractor compliance noise testing of the completed Mystic Station 8&9. Conducted simultaneous noise measurements with EPC contractor staff to verify measured levels.

Independent Power Client - Weymouth, Massachusetts

Mr. Agresti was contracted by client to provide oversight during EPC contractor compliance noise testing of the operational facility. Also contracted to conducted periodic compliance testing on a semi-annual basis. Prepared a noise compliance testing protocol that was submitted to regulatory officials for approval.

Utility Client - Somerset and Salem, Massachusetts

Mr. Agresti conducted noise assessments for proposed air pollution control equipment upgrades at these two coal fired power plants in Massachusetts. Both assessments required that background noise monitoring programs be conducted in the vicinity of each project site in order to quantify existing baseline noise levels. Detailed computer noise modeling of each project was then conducted incorporating major noise generating sources, which included FD and ID fans, ash vacuums, blowers, and transformers. Noise mitigation measures were incorporated during the design phase, including FD fan discharge silencers, fan casing, and ductwork acoustical lagging, in order to maintain noise level increases to imperceptible levels.

Independent Power Client - Shoreham and Edgewood, New York

Mr. Agresti prepared the noise assessments for these two proposed peaking facilities consisting of two LM6000 combustion turbines each, in Brookhaven, New York and Brentwood, New York. Under



the SEQR filing, noise will be governed by the local noise standard and the NYSDEC noise guidelines. The assessments consisted of background noise monitoring to quantify existing noise levels and conducting noise modeling to calculate future facility levels. Worked closely with engineering staff to specify noise control measures which would be required in order to comply with both local regulations and the NYSDEC noise impact guidelines. Also conducted follow-up noise testing with facility in operation.

Utility Client - Huntington, New York

Mr. Agresti prepared the Article X noise assessment for a proposed 250 MW combined cycle facility consisting of a Frame 7F combustion turbine and air cooled condenser. Collected background noise level data in accordance with NYSDPS requirements. Acoustic design goals were developed based on ambient conditions as specified by the modified CNR method and NYSDPS stipulations. Fairly low ambient noise levels and the proximity of residential uses required extensive noise control, especially on the air cooled condenser. Provided expert witness testimony at the Article X hearings.

Utility Client Peaking Units - Glenwood, NY and Port Jefferson, New York

Mr. Agresti prepared the noise assessments for these two proposed simple cycle peaking facility consisting of two LM6000 combustion turbines each in Glenwood, New York and Port Jefferson, New York. Under the SEQR filing, noise will be governed by the local noise standard and the NYSDEC noise guidelines. The assessments consisted of background noise monitoring to quantify existing noise levels and conducting noise modeling to calculate future facility levels. Worked closely with engineering staff to specify noise control measures, which would be required in order to comply with both local regulations and the NYSDEC noise impact guidelines.

Independent Power Client - Smithtown, New York

Mr. Agresti prepared the noise assessment in support of the Article X permitting for a proposed 300 MW peaking facility consisting of six LM6000 combustion turbines. The proximity of residential uses and low existing ambient noise levels required that extensive noise control measures be incorporated into the facility design in order to meet the stringent requirements of the New York State Department of Public Service's modified Composite Noise Rating method. He worked closely with equipment suppliers and project engineers to specify noise control measures, which include an extensively treated turbine building, significant stack silencers, and strategically locating sources on the site.

Utility Client - Norwalk, Connecticut

Mr. Agresti provided technical oversight for all phases of the noise assessment for this 50 MW repowering project located in South Norwalk, Connecticut. The project consists of the removal of six deactivated engine generators and replacement with three Wartsilla dual fuel generator sets. Noise control was a major component of the project as residential areas were located as close as 150 feet away. In addition, particular attention was paid to low frequency noise produced by the engines, in order to prevent any noise-induced vibration at the residential locations. Extensive noise mitigation measures were designed into the project, including an engine building of acoustical masonry, high efficiency silencers on all inlets, exhausts, and building ventilation, and a



low noise design cooling tower. Provided expert witness testimony to the Connecticut Siting Council in support of the project.

Independent Power Client - Queens, New York

Mr. Agresti prepared the noise assessment in support of the Article X permitting for this proposed baseload combined cycle facility. The assessment included an ambient noise monitoring program to characterize the existing noise environment. Computer noise modeling of the major facility sources was performed using the NYSDPS's NOISECALC model. The projected facility noise levels and the existing ambient noise levels were incorporated into the modified CNR analysis to determine potential noise impacts. Extensive noise control measures were required in order to meet the CNR analysis requirement and to meet the NYC noise standards, including the zoning resolution, noise code, and CEQR requirements. Extensive meetings were held with NYCDEP noise staff during the licensing phase.

Utility Client - Queens, New York

Mr. Agresti performed the noise assessment in support of the Article X permitting for two additional proposed baseload combined cycle facilities. The assessment included an ambient noise monitoring program to characterize the existing noise environment. Computer noise modeling of the major facility sources was performed using the NYSDPS's NOISECALC model. Noise control measures were incorporated as needed in order to comply with the New York City noise standards (including the CEQR requirement) and the modified CNR analysis. Extensive meetings were held with NYCDEP noise staff during the licensing phase.

Independent Power Client Peaking Facility - Buchanan, New York

Mr. Agresti prepared the Article X noise assessment for a proposed 500 MW simple cycle facility consisting of eight LM6000 combustion turbines. Assessment consisted of background noise monitoring during leaf on and leaf off conditions, in accordance with NYSDPS requirements. Acoustic design goals were developed based on ambient conditions as specified by the modified CNR method and NYSDPS stipulations. Fairly low ambient noise levels and the proximity of residential uses will require fairly extensive noise control measures.

Independent Power Client - Chicago Illinois

Mr. Agresti performed a noise modeling study of a proposed eight unit simple cycle peaking facility consisting of eight Frame 6B units and ancillary equipment. Noise from the facility is regulated under the State of Illinois and City of Chicago noise standards. Because of the proximity of residential uses, noise control measures were required. Worked closely with equipment suppliers and the client to ensure cost-effective control measures would be designed into the project. Also conducted detailed noise modeling to determine the minimum effective noise barrier wall height required to meet applicable regulation.

Independent Power Client - West Deptford, New Jersey

Mr. Agresti performed a detailed noise assessment study of all major sources associated with the proposed Crown Vista Energy coal fired power project in West Deptford, New Jersey. Developed noise data for many sources from the literature and conducted detailed analysis of coal car shaker



noise. Many noise control features were specified for the facility as part of the modeling analysis in order to meet both the state of New Jersey noise control code and a stipulated noise impact criteria using the modified CNR analysis. The study also required an analysis of truck noise on local roads associated with ash disposal. Also designed and conducted an ambient noise monitoring program to characterize the existing noise environment and collect data for use in the noise impact analysis.

Utility Client - Auburn and Walden, New York

Mr. Agresti conducted noise assessments in support of local township approvals for the installation of a portable Taurus 70 combustion turbine generator. The studies consisted of noise modeling to determine future noise levels, ambient noise monitoring to determine existing noise levels, and post-operational monitoring to evaluate the effectiveness of noise control measures. A turbine was installed at NYSEG's Auburn facility and is currently operating.

Independent Power Client - South Lebanon, Pennsylvania

Mr. Agresti performed the noise impact assessment for the AES Ironwood facility. The facility consists of two Westinghouse 501G combustion turbines operating in combined cycle mode. The noise assessment consisted of several noise monitoring programs to quantify existing noise levels, detailed computer noise modeling of the major noise generating sources at the plant, and incorporation of noise control measures. The calculated noise levels were evaluated against existing ambient levels and, in lieu of applicable state and local standards, the noise standards from neighboring states.

Independent Power Client - Wallingford, Connecticut

Mr. Agresti performed the noise assessment for a 300 MW peaking facility consisting of six LM6000 combustion turbines. Facility noise levels are governed by the State of Connecticut noise standard. Noise control measures for the project included enclosures on ancillary skids, intake and exhaust silencers, and a 50 foot tall noise barrier wall on three sides of the facility. Supported the client at State Siting Board hearings and provided expert witness testimony. The project was approved and constructed. Subsequently conducted the noise compliance testing for the facility as part of the Siting Council requirements. Testing revealed that project noise levels were within applicable noise limits.

Independent Power Client - Morro Bay and Moss Landing, California

Mr. Agresti performed the noise impact assessment for the expansion of these two facilities. Expansion to consist of the addition of two GE Frame 7FA turbines and ancillary equipment to the Moss Landing plant and four turbines and ancillary equipment at the Morro Bay plants. Performed computer noise modeling of major facility sources in order to determine future noise levels at nearby sensitive receptors. The California Energy Commission required that late night noise levels could not increase more than 5 dBA over ambient levels. In addition, each town adopted Noise Elements, which further regulate allowable noise levels. Varying levels of noise control were required at each plant in order to meet the requirements.



Oil & Gas Permitting Projects

Confidential Client - Cambridge, Massachusetts

Mr. Agresti conducted a noise modeling and mitigation study of a proposed gas metering station to be located in Cambridge, Massachusetts. The project would be located on a small parcel of land within a residential neighborhood. Project generated sound would be regulated by the Cambridge noise standard. Conducted noise modeling and mitigation analyses and provided recommended noise control measures that will be required in order for offsite noise levels to be in compliance with the local noise ordinance.

Confidential Gas Pipeline Client - Boone County, Missouri

Conducted a Resource Report 9 noise assessment for the proposed uprating of the existing Columbia Compressor station located in Boone County, Missouri. The assessment included a noise testing program to determine noise levels generated by the existing facility at nearby NSAs, estimating future sound levels associated with uprating of the compressor station combustion turbine, and preparation of the Resource Report 9 noise section. A follow-up noise testing program was performed following FERC approval, and demonstrated that noise levels generated by the facility were within FERC limits.

Confidential Gas Pipeline Client, Compressor Station - Mamou, Louisiana

Conducted the Resource Report 9 noise assessment as part of the FERC licensing for this proposed compressor station. The project will include Dresser Rand compressors driven by three Solar Taurus 70 turbines and one Solar Titan 130 combustion turbine. An ambient noise monitoring program was conducted in order to establish existing ambient noise levels in the vicinity of the gas compressor station. A noise modeling study of operational noise from the compressor station was conducted and noise mitigation measures were developed in order to comply with FERC's 55 dBA Ldn noise level limit.

Confidential Gas Pipeline Client - Northeastern Louisiana

Prepared the noise assessment as part of the FERC licensing for this proposed gas storage project. The project will include a gas compressor station, 16 horizontally drilled wells, and 5 observation wells. An ambient noise monitoring program was conducted in order to establish existing ambient noise levels in the vicinity of the gas compressor station and wells. A noise modeling study of operational noise from the compressor station was conducted and noise mitigation measures were developed in order to comply with FERC's 55 dBA Ldn noise level limit. Noise modeling of drilling operations was also conducted.

Confidential Client - Pittsburg Terminal – Pittsburg, California

Conducted the noise analysis for the proposed upgrade of this existing tank farm to a ship loading terminal. The project will include the installation of 19 large electric motor driven pumps, ranging from 200 hp to 3,500 hp, transformers, heaters and a thermal oxidizer. A noise modeling study was conducted in order to determine offsite noise levels, and the noise mitigation measures that will be required in order for project noise emissions to be in compliance with the Pittsburg noise element and other noise restrictions.



Confidential Client - Various Sites, Louisiana

Conducted the RR9 noise assessments for five gas compressor stations associated with the Mid-Continent Express Pipeline. Ambient noise monitoring programs were conducted at each site, and computer noise modeling and mitigation studies were conducted. Prepared the noise specifications required for each compressor station site. Subsequently conducted or overseen the noise compliance tests for each compressor station in order to fulfill the FERC requirement for noise testing.

Confidential Gas Transmission Company - Red River Parish, Louisiana.

Mr. Agresti conducted the noise assessment as part of the FERC licensing for this 1,680 hp compressor station. The project included a Waukesha L7044GSI reciprocating engine powering an Arial compressor. An ambient noise monitoring program was conducted in order to establish existing ambient noise levels in the vicinity of the gas compressor station. A noise modeling study of operational noise from the compressor station was conducted and noise mitigation measures were developed in order to comply with FERC's 55 dBA Ldn noise level limit.

Confidential Client, Gas Processing Plants - Carlisle, Ohio and Shultz, West Virginia

Mr. Agresti conducted detailed noise assessments for these two gas processing plants. Assisted client in developing acceptable noise levels in lieu of any local or state noise standards governing allowable noise levels. Ambient noise monitoring programs were conducted at each site in order to quantify the existing noise environment. Noise modeling was conducted of the major facility sources, which included multiple reciprocating engines, gas compressors, and gas coolers. Significant topographic features were present and were included in the noise modeling study. Several noise mitigation scenarios were prepared and presented to client. Also assisted client during the procurement process of the facility buildings in order to ensure that the buildings would meet the noise specifications that were developed.

Confidential Gas Transmission Company, Compressor Stations - Texas and Louisiana

Mr. Agresti conducted the FERC noise assessments for these two compressor station projects proposed as part of CEGT's Carthage to Perryville Project. The compressor stations were to be powered by Solar Taurus and Mars turbines. Detailed noise emission derivation calculations were required for each source and building proposed for the project, and noise modeling was conducted to determine future noise levels at nearby NSAs. Noise control measures and their performance specifications were also developed. An ambient noise monitoring program was conducted in order to establish existing ambient noise levels in the vicinity of the gas compressor stations.

Confidential Client, LNG Infrastructure Enhancement Project - Lake Charles, LA

Conducted a detailed noise assessment of the proposed IEP project at the Lake Charles LNG facility. The assessment included detailed noise modeling of the proposed IEP sources that included vaporizers, pumps, compressors, exchangers, and heater fans. Particular attention was paid to the proposed 192 heater fans and their noise contribution to the project. Evaluated several different fan designs, and provided recommendations to client for noise specifications and fan selection.



Confidential Client, New York/New Jersey Energy Bridge Project - Staten Island, New York

Prepared the noise assessment in support of preparation of an application to the U.S. Coast Guard under the Deepwater Ports Act for an offshore LNG terminal and 48-mile subsea pipeline. The proposed LNG terminal would be located offshore New Jersey with a subsea pipeline traversing Lower New York Bay to a landfall on Staten Island. Responsibilities included coordination of offshore environmental studies with the geophysical surveys and geotechnical sampling program.

Confidential Client, Quoddy Bay LNG Project - Washington County, Maine

Conducted the FERC noise assessment for this proposed 2.0 Bcfd LNG facility in Washington County, Maine. A noise monitoring program, compliant with the requirements of the Maine DEP noise standard, was conducted in order to quantify the existing noise environment. A noise modeling study that included development of conceptual noise control measures was conducted to determine future noise levels from the numerous sources at the facility. Noise modeling was also conducted to determine construction noise levels and HDD noise levels. The noise assessment was summarized in the FERC Resource Report 9 and in the Maine Site Location of Development Act application.

Oil and Natural Gas Client, Elba Island III - Elba Island, Georgia

Prepared the third party EIS for clients' proposed expansion of its existing LNG import terminal on Elba Island near Savannah, in Chatham County, Georgia. The expansion would more than double the site's LNG storage capacity by adding 405,000 cubic meters (m3) of new storage. Worked closely with FERC staff in preparing data requests as needed and reviewing Southern's application.

Rockies Express Western Phase Project - New Mexico, Colorado, Wyoming, Nebraska, Kansas, Missouri

Prepared the noise sections of the Environmental Impact Statement for this proposed multi-state pipeline project. The project contained 12 compressor stations sites, each requiring noise analysis. Conducted the review of each noise analysis that was prepared and submitted by the applicants, and prepared data requests for supplemental data that were required. Worked closely with FERC staff to develop recommendations for project noise conditions.

Confidential Client, Gas Compressor Projects - Various Locations

Prepared the Resource Report 9 sections for submittal to the Federal Energy Regulatory Commission required for licensing of three gas compressor stations located in Rio Blanco County, Colorado, Wise County, Texas, and Carter County, Oklahoma. Was responsible for both the ambient noise monitoring and the noise modeling of each station. Specified noise control measures required to achieve compliance with FERC's noise limit of 55 dBA Ldn at any noise sensitive area.

Oil and Natural Gas Client, Lavaca Bay LNG Project - Calhoun and Jackson Counties, Texas

Prepared the FERC third party EIS for the clients' LNG facility, to be located in Calhoun and Jackson Counties, Texas. The project will have the ability to liquefy five million tons of LNG per



year and store 500,000 cubic meters of LNG. Activities included reviewing the submitted analyses, preparing data requests for additional information, and prepared the FERC EA.

Energy Client, LNG Terminal Project - Cameron Parish, Louisiana

Prepared the noise section for the third party EIS for this LNG import terminal to be located in Cameron Parish, Louisiana. The proposed project will import, store, and vaporize approximately 2,600 MMscfd of LNG per day.

Energy Client, LNG Liquefaction Project - Brazoria County, Texas

Prepared the FERC third party EIS for clients' proposed expansion of its existing LNG import terminal on Quintana Island in Brazoria County, Texas. The expansion would include a Liquefaction Project, capable of producing 13.2 million tons of liquefied natural gas per year, and an upstream pre-treatment plant to remove certain contaminants. The proposed combined project presents the potential for noise impacts due to normal operation, gas flaring, and LNG tanker movements. Construction, which will include pile driving, also presents the potential for noise impacts. Worked closely with FERC staff in preparing multiple data requests as needed and reviewing Freeport's analyses.

Confidential Client, Cameron LNG Liquefaction Project - Hackberry, Louisiana

Mr. Agresti prepared the Resource Report 9 noise analysis for this proposed natural gas liquefaction facility at the existing Cameron LNG Terminal (LNG Terminal), which is located near the town of Hackberry, Louisiana. The Cameron LNG Liquefaction Project will add liquefaction capability to the LNG Terminal. With the added liquefaction capability, natural gas received at the LNG Terminal will be cooled into liquid form and stored in full-containment LNG storage tanks. The existing terminal systems and marine facilities will be utilized to transfer LNG onto ships.

Confidential Client - Long Beach, California

Mr. Agresti conducted the ambient noise monitoring and prepared the draft Resource Report 9 section for this proposed LNG terminal in Long Beach, California.

Confidential Client - Cheshire, Connecticut

Mr. Agresti performed the noise assessment for a proposed gas compressor station that will consist of a Taurus 70 combustion turbine and ancillary equipment. The project is subject to the local noise standard and FERC noise standards. Noise modeling revealed that noise control measures, including stack and inlet silencers and a turbine enclosure, would be required in order to achieve these standards. Designed the ambient noise monitoring program required to establish baseline noise conditions.

Energy Storage

Confidential Client - Stillwater, New York

Mr. Agresti prepared a noise study of a proposed battery storage project in Stillwater, New York. The assessment included an ambient noise measurement program and noise modeling study to determine expected offsite sound levels during project operation. Assisted client in negotiations



with Town officials to develop acceptable increases in sound over ambient conditions during special use permit licensing.

Confidential Client - Moss Landing, California

Mr. Agresti completed a noise study for this proposed battery storage project in Moss Landing, California. The project would consist of up to 268 Tesla Megapack battery storage units with cooling systems, 3 GSU transformers, and 67 pad mounted transformers. Offsite noise levels are regulated by the Monterey County noise ordinance, which placed restrictive nighttime noise level limits at adjacent residential properties. Worked closely with client and Tesla, conducting multiple noise model iterations to determine expected offsite noise levels under various operating conditions. Also assisted TRC, client's overall permitting consultant, in implementing an ambient noise monitoring program at the site.

Confidential Client, Martha's Vineyard Battery Project - Oak Bluffs, Massachusetts

Mr. Agresti conducted the acoustical assessment for this proposed battery storage project to be located on Martha's Vineyard, Massachusetts. As part of the assessment, conducted a 7 day ambient noise measurement program at multiple residential locations around the project site in order to develop baseline sound levels. The project is being licensed under the jurisdiction of the Massachusetts Department of Public Utilities. The DPU utilizes a very conservative method for determine baseline noise levels for proposed projects that required the 7 day ambient program. The DPU also has a more restrictive noise limit than the Massachusetts Department of Environmental Protection's noise standard. Conducted multiple noise modeling assessments of the project's chillers and transformers and presented various noise control options to client. Extensive noise control measures will be required in order to achieve compliance with the noise limits.

Confidential Client, East Hampton Energy Storage Center and Montauk Energy Storage Center - East Hampton and Montauk, New York

Mr. Agresti prepared the noise assessments for these two battery storage projects on Long Island. Each project will have a 5 MW capacity with the ability to deliver 40MWh of energy. Both projects will contain lithium ion batteries with associated HVAC systems, inverters, and transformers. The projects will store energy from the grid and store it for use during peak demand hours.

Utility Infrastructure

Confidential Client, North Central Reliability Project - Various Towns in New Jersey

Mr. Agresti conducted the noise assessments for six substation upgrades located in various towns in New Jersey. The noise assessments included detailed computer noise modeling of the emissions from each proposed transformer. The analyses were conducted to ensure compliance with the State of New Jersey Noise Code and local noise ordinances. Noise mitigation measures were conceptually designed at substation sites where needed in order to demonstrate compliance with applicable noise standards.



Confidential Client - Multiple Substations

Conducted the noise assessment for multiple proposed and upgraded substation sites throughout Massachusetts, New York, and Rhode Island. The proposed substations contained from one to multiple transformers and reactors of varying capacities. Many were located in residential areas, adding to concerns about potential noise impacts. The noise studies included ambient noise monitoring programs to establish existing ambient noise levels in the areas surrounding the site, and noise modeling studies to determine the sound levels associated with the new substations. Modeled substation noise levels were compared against the existing ambient levels and against noise standards and impact criteria. Continuing to support client on newly proposed substation projects. As part of the assessments, provides guidance for reducing project noise levels when required, which includes evaluating low noise design options for the transformer, providing recommendations to client on noise specifications and evaluating noise barrier wall effectiveness.

Confidential Client, University Wash Project - Riverside, California

Mr. Agresti conducted a construction noise and vibration analysis for the CEQA compliance and permitting of the University Wash Project in Riverside, California. The project would consist of approximately 2,500 linear feet (LF) of 90" reinforced concrete pipe underground storm drain, catch basins, and associated access manholes, street repaving, and grading of approximately 2 acres. The construction noise analysis included modeling of the construction noise equipment expected to be utilized in the various phases of construction, and comparison of the expected construction noise levels against the Riverside municipal noise ordinance limits.

Confidential Client, Sycamore Canyon and Penasquitos Transmission Line - San Diego County, California

Mr. Agresti conducted the noise assessment required for inclusion to the Proponent's Environmental Assessment (PEA) for this proposed transmission line upgrade. The Project will include a new 16.5 mile 230 kV transmission line and consolidation of two existing 69kV power lines onto steel structures that will replace existing wood structures. The applicable noise regulations and standards were evaluated, and noise levels associated with pole replacement and underground line installation were calculated. Potential noise impacts evaluated, and noise mitigation measures were proposed.

Confidential Client - Multiple Substations

Mr. Agresti conducted the noise assessment for multiple proposed and upgraded substation sites throughout New York. The proposed substations contained from one to multiple transformers and reactors of varying capacities. Many were located in residential areas, adding to concerns about potential noise impacts. The noise studies included ambient noise monitoring programs to establish existing ambient noise levels in the areas surrounding the site, and noise modeling studies to determine the sound levels associated with the new substations. Modeled substation noise levels were compared against the existing ambient levels and against noise standards and impact criteria. As part of the assessments, guidance is provided for reducing project noise levels when required, which includes evaluating low noise design options for the transformer, providing recommendations to National Grid on noise specifications and evaluating noise barrier wall effectiveness.



Confidential Client, Wood to Steel Tieline 637 - San Diego County, California

Mr. Agresti conducted the noise assessment required for inclusion to the Proponent's Environmental Assessment (PEA) for this proposed transmission line upgrade. The applicable noise regulations and standards were evaluated, and noise levels associated with pole replacement were calculated, including the use of helicopters and noise at construction staging areas. Potential noise impacts evaluated, and noise mitigation measures were proposed.

Confidential Client, Sycamore Canyon and Penasquitos (SX to PQ) Transmission Line -San Diego County, California

Mr. Agresti conducted the noise assessment required for inclusion to the Proponent's Environmental Assessment (PEA) for this proposed transmission line upgrade. The Project will include a new 16.5 mile 230 kV transmission line and consolidation of two existing 69kV power lines onto steel structures that will replace existing wood structures. The applicable noise regulations and standards were evaluated, and noise levels associated with pole replacement and underground line installation were calculated. Potential noise impacts evaluated, and noise mitigation measures were proposed.

Confidential Client, Hampden Substation - West Hampden, Massachusetts

Mr. Agresti conducted the noise assessment for this substation proposed as part of the Hampden County Reliability Program in Massachusetts. The project involved the installation of one 40 MVA and one 56 MVA transformer at the new site. Conducted an ambient noise monitoring program to establish existing noise levels, and detailed computer noise modeling of transformer noise. The Massachusetts noise standard and the Town of West Hampden noise ordinance limited allowable noise levels at the project property line and at neighboring residences. Evaluated several low noise design transformers in order to achieve compliance with the noise limits.

Confidential Client, Gateway Substation - Brooklyn, New York

Mr. Agresti conducted the noise analysis for the Gateway substation environmental assessment. The analysis included calculating offsite noise levels from transformers that would be contained in partially enclosed vaults at the substation. The assessment included evaluating calculated noise levels against ambient conditions at residential locations in order to determine compliance with the NYC CEQR requirements, and determination of compliance with the New York City noise standards.

Confidential Client, Maine Power Reliability Program - Various Sites, Maine

Mr. Agresti conducted the noise assessments for seven proposed and/or upgraded substations located in eastern Maine as part of the Maine Power Reliability Program. The Program involves the installation, upgrade, and/or expansion of numerous transmission lines and substations throughout southern, western, and eastern Maine. The noise assessments were conducted in accordance with the requirements of the Maine Department of Environmental Protection's noise standard and the Site Location of Development Act permitting process. The noise assessments include ambient noise monitoring at each of the seven sites, conducted over a minimum period of four days at each location, and computer noise modeling of the noise emissions from the transformers. Worked closely with client engineers and provided conceptual design for noise



mitigation measures (barrier walls) and/or recommended installation of low noise design transformers at several of the sites.

Subsequently conducted noise testing programs at several of the substations to determine compliance with the State noise standard.

Confidential Client, Corning Valley Upgrade Project - Steuben County, New York

Mr. Agresti conducted the noise assessments for two substation sites in Steuben County, New York. The noise assessments were part of the overall permitting process for the project. Ambient noise monitoring programs were conducted at nearby residential areas to each site in order to quantify existing ambient conditions. The existing ambient noise levels were used for evaluating potential noise impacts as per the New York State Department of Environmental Protection's Noise Policy, which limits increases in future noise levels to 6 dBA or less at nearby residential areas. Computer noise modeling of the transformer noise emissions was then conducted. Utilized the noise specifications issued by client to equipment vendors in conducting the noise modeling. The noise modeling results revealed that increases in future noise levels would be well below the NYSDEC noise impact criterion, and well below the noise ordinance limits in each Town.

Confidential Client, Winthrop Substation - Winthrop, Massachusetts

Conducted a noise assessment for the proposed upgrade of the existing Winthrop substation in Winthrop, Massachusetts. The substation is located in a residential area, and currently contains two transformers. A third transformer, that has already been procured, is proposed to be added. The client requested a noise modeling study to determine if the addition of the third transformer will be in compliance with the very strict noise standard of the Town of Winthrop and the State of Massachusetts noise standard. The analysis revealed that mitigation would be required. Provided conceptual noise designs for several potential noise barrier wall systems. Working with client engineers, evaluated potential replacement of the transformer fans with lower noise fans in order to provide further reductions in future noise levels.

Confidential Client, M29 Feeder Project - Yonkers, New York to Manhattan

Mr. Agresti conducted the detailed noise assessment of the M29 feeder project from Yonkers, NY to Manhattan, including the Sprainbrook and Academy substations. The project required horizontal directional drilling for a portion of the transmission line under the Harlem River, in close proximity to schools and residential housing. Conducted detailed noise measurements of an HDD site in order to obtain noise level data for the project's HDD noise analysis. Also provided expert witness testimony in support of client at State of New York Public Service Commission evidentiary hearings.

Confidential Client, Weld Shop - Astoria, New York

Mr. Agresti conducted an analysis of noise emissions from a welding shop at client's Astoria, New York facility. The weld shop operates on an emergency basis 24 hours per day. Complaints from nearby residences prompted client to request a study to evaluate potential noise control measures. The study included computer noise modeling of the facility and specifications for



several noise control measures. The study also included cost estimates and associated reductions with each measure.

Confidential Client, Melrose and Chandler Street Substations - Melrose, Massachusetts

Mr. Agresti evaluated the existing and proposed noise levels associated with the replacement of transformers at these two substations. The analyses included ambient fenceline and residential noise level measurements, close-in measurements of the transformers and computer modeling to determine future noise levels. Mitigation measures, including the specification of lower noise transformers and/or noise barrier walls were also prepared as part of the analyses.

Confidential Client, Shaft33B EIS - New York, New York

Mr. Agresti conducted extensive computer noise modeling of construction activities at four potential water shaft locations in Manhattan. The analyses considered numerous construction equipment and noise barrier wall alternatives. Modeling results were incorporated into an EIS for the project.

Confidential Client, Rochester Transmission Project - Rochester, New York

Mr. Agresti prepared a noise assessment of the existing and future noise levels at six substation sites along the route of the transmission line. The assessment included ambient noise level measurements at residential and substation fenceline locations and modeling to determine future levels at the substations where new transformers were proposed. Future levels were evaluated against the New York State Department of Environmental Conservation's Noise Policy guideline to determine if any impacts would occur.

Confidential Client, 115 kV Project - Rochester, New York

Mr. Agresti prepared the noise analyses for the Article VII application for 115 kV system reinforcements in Monroe and Wayne Counties, New York. The proposed facilities include: approximately 13.2 miles of new overhead 115 kV transmission lines along two alignments; a new 1.1-mile underground 115 kV cable parallel to existing underground lines; approximately 19 miles of rebuilt overhead 115 kV transmission lines; a new 115 kV substation; and various equipment upgrades and circuit relocations at several other existing substations. The Article VII application was prepared on a fast-track basis and filed on September 30, 2003, approximately 12 weeks following Notice to Proceed

Confidential Client, Urban Transitway EIS - Stamford, Connecticut

Mr. Agresti prepared the noise assessment for the proposed transit project. The assessment included ambient noise monitoring at selected residential areas along streets and at intersections were traffic analyses were conducted. Calculated noise levels associated with traffic volume changes and calculated impacts in accordance with Federal Highway Administration noise standards.



Industrial and Commercial

Confidential Client. - Eatontown, New Jersey

Mr. Agresti conducted sound level measurements of client's existing cooling tower units at a nearby residential property in order to determine if sound levels were in compliance with the NJDEP and Borough of Eatontown noise standards. Also conducted near-field measurements of the cooling towers and prepared recommendations for reducing cooling tower noise.

Confidential Client - Flushing, New York

Mr. Agresti conducted noise compliance testing of the facility's outdoor compressors. Compliance testing was required by the City of New York under a Notice of Objection. Noise complaints due to the compressors were being received and the City required client to install sound barrier walls to reduce noise levels. The compliance testing was conducted after installation of the sound barriers.

Confidential Client - Cedar Knolls, New Jersey

Mr. Agresti completed a study to evaluate future noise levels associated with operation of proposed mechanical equipment at the facility site. Equipment included a chiller, new exhaust and ventilation fans, and a replacement emergency generator. As part of the study, conducted an ambient noise measurement program at the nearest residential location in order to establish baseline conditions. In addition to evaluating proposed equipment, conducted near field measurements of the existing rooftop HVACs and vents and incorporated data into the Soundplan model in order to determine expected noise levels with all equipment in operation. Developed noise control measures for the chiller and an exhaust fan, and prepared noise specifications for the proposed emergency generator.

Confidential Client - Eatontown, New Jersey

Mr. Agresti conducted the acoustical assessment for this proposed residential development project on a portion of the existing Monmouth Mall. The project would include over 1,000 rooftop HVAC units and garage ventilation fans. The assessment included acoustical modeling to determine expected sound levels at nearby residential locations with all project sources in operation. Provided expert witness testimony to the Eatontown planning board.

Confidential Client, Woodbury Casino, LLC - Woodbury, New York

Contracted by client to prepare the noise assessment for the SEQRA EIS for the proposed Woodbury Casino project in the Village of Woodbury, New York. The Project is proposed to include a Casino complex, a 300 room multi-story hotel, a ten story parking garage, and an outdoor amphitheater that will be used for periodic entertainment performances. The noise assessment consisted of an ambient noise measurement program conducted at nearby residential locations, and a noise modeling and impact assessment of the operational noise sources and the outdoor amphitheater. The noise assessment also included an evaluation of potential noise impacts associated with increased vehicular traffic associated with the Project and construction related noise. Expected project sound levels were assessed against existing ambient levels and evaluated against the New York State Department of Environmental Conservation's Noise Policy.



Confidential Client, Resilient Electric Grid Project at Dunwoodie Substation - Yonkers, New York

Mr. Agresti conducted a detailed noise impact assessment and noise mitigation analysis of this proposed superconducting cable project at clients' Dunwoodie Substation site in Yonkers, New York. The project will include a superconducting cable, a refrigeration plant and three chillers. An ambient noise monitoring program was conducted by clients' staff at nearby residential uses to quantify the background sound levels. American Superconductor's engineers provided OEM noise data for the refrigeration plant interior sources and exterior chillers, and a description of the refrigeration plant building material and ventilation louvers. Determined the noise emissions expected through the building walls and louvers, and utilized the CadnaA noise model in order to calculate operational noise at offsite residential locations. Also assisted in the refrigeration plant design process by providing noise specifications required for the building walls and ventilation louvers that would be required to achieve compliance with the Yonkers noise ordinance limits.

Confidential Client, Former Otay Skeet and Trap Shooting Range Remediation Project -Chula Vista, California

Mr. Agresti conducted a detailed noise assessment for the proposed remediation of this former skeet and trap shooting range. A multiple species conservation area borders the site, and the presence of endangered species required that a noise assessment be conducted to prevent any impacts during the nesting season. The assessment consisted of ambient noise measurements to quantify the existing noise environment, in particular at the conservation boundary with the remediation site. Multiple iterations of detailed noise modeling were conducted to determine the area of extent that construction could occur in while maintaining construction noise levels below the criteria limits at the conservation boundary.

Wholesale Store - Yorktown, New York

Mr. Agresti conducted the noise assessment as part of the EIS for the proposed wholesale store in Yorktown, New York. Noise impacts could be associated with demolition of the existing buildings, construction of the project, and, for operational impacts, delivery trucks and increased vehicular traffic in the area. Conducted the ambient monitoring program and assessed potential noise impacts.

Port Chester Gateway EIS - Port Chester, New York

Mr. Agresti prepared the noise assessment sections of the EIS for this proposed mixed use residential and commercial project. The project would be constructed on the site of a former hospital. Noise impacts could be associated with demolition of the former hospital, construction of the project, and, for operational impacts, increased vehicular traffic in the area. Conducted the ambient monitoring program and assessed potential noise impacts and continues to support the project through preparation of the FEIS.

Confidential Client, Holbrook Superconducting Cable Demonstration Project - Holbrook, New York

Mr. Agresti conducted a detailed noise impact assessment and noise mitigation analysis of this installed but not yet operational superconductor refrigeration plant in Holbrook, New York. An



ambient noise monitoring program was conducted at nearby residential uses to quantify the background sound levels. Client provided OEM noise data for the refrigeration plant interior sources, and a description of the refrigeration plant building material and ventilation louvers.

Determined the noise emissions expected through the building walls and louvers, and utilized the CadnaA noise model in order to calculate operational noise at offsite residential locations. The modeling analysis indicated that in its present conditions, the refrigeration plant would likely exceed the local noise ordinance limits.

After the refrigeration plant was put into operation, returned to conduct detailed measurements of the refrigeration plant, including close in measurements of all building ventilation louvers. These data was used to calibrate the noise model. Noise level measurements were also conducted at the residential locations and confirmed that noise levels were in excess of the local ordinance. Utilized the noise model as a design tool, and provided Air Liquide with several options for reducing noise to acceptable limits. Noise control measures were installed following my recommendations. Subsequent field measurements confirmed that the noise control measures were very effective in reducing noise to well below the applicable noise ordinance limit.

Lighthouse Landing EIS - Sleepy Hollow, New York

Mr. Agresti prepared the noise section of the DEIS for this major residential/commercial development proposed for a former General Motors manufacturing site in Sleepy Hollow New York. Conducted the ambient noise monitoring program and prepared all noise analyses for the project, including noise associated with increased vehicular traffic, demolition, construction, and railway noise. The project team is currently responding to comments in anticipation of an FEIS filing.

Windsor Landfill - Windsor, Connecticut

Assisted client in evaluating potential measures available to reduce noise impacts to nearby residential uses at an existing landfill operation. Impacts are currently experienced due to backup beepers on construction equipment and other sources at the landfill.

Confidential Client - White Plains, New York

Mr. Agresti conducted a noise study in support of a local special use permit for a proposed motorcycle sales and service center in White Plains. The study consisted of conducting a simulation of scenarios with various types and numbers of motorcycles and concurrently conducting noise level measurements. The study results were evaluated against the town noise standard and existing ambient noise levels. Provided expert witness testimony to the town zoning board. The application was subsequently approved.

Confidential Client, Golf Course - Westchester County, New York

Mr. Agresti prepared the EIS noise assessment for the construction and operation of a proposed country club and associated residential housing development in Westchester County, New York. The assessment consisted of performing noise monitoring in order to determine the existing noise



environment. Traffic data for each of the build and no-build scenarios were then incorporated into a computer noise model in order to determine future noise levels at sensitive receptors. Modeling was also performed in order to determine site average noise levels from construction activities and facility maintenance. An impact analysis was then performed. Practical noise abatement measures were recommended as appropriate.

Confidential Client - Bermuda

Mr. Agresti performed a noise assessment for client for a quarry operation in Bermuda. The quarry is located in a residential area and noise from facility operations, including a rock crusher, screening machines, concrete block making plant, and truck movements are resulting in significant impacts to area residents. Collected background noise level data and developed sound level data for each of the facility sources in order to perform computer noise modeling. The quarry was proposing to relocate equipment and the client requested that various modeling scenarios be run in order to determine the scenario which results in the least impact. Noise mitigation measures were also incorporated.

Confidential University Client - Westchester County, New York

Mr. Agresti performed the noise assessment for future expansion scenarios at client's university campus. The assessment consisted of performing noise monitoring in order to determine the existing noise environment. Traffic data for each of the build and no-build scenarios were then incorporated into a computer noise model in order to determine future noise levels at sensitive receptors. An impact analysis was then performed. Practical noise abatement measures were recommended as appropriate.

