



T.J. BOYLE ASSOCIATES
LANDSCAPE ARCHITECTURE & PLANNING

SSE-JO-1

Jeremy B. Owens, PLA

Senior Landscape Architect

Education

1999-2003 Bachelor of Landscape Architecture, College of Environment and Design, University of Georgia, Athens, Georgia

Professional Registration

2011 – Present Licensed Landscape Architect, Vermont No. 81305

Professional Experience

2017-present Senior Landscape Architect, T.J. Boyle Associates, LLC, Burlington, Vermont
2004-2016 Associate Landscape Architect, T.J. Boyle Associates, LLC, Burlington, Vermont
2004 Byers Engineering Company, Atlanta, Georgia

Selected Project Experience

Green Mountain Power – Lowell Substation Rebuild, B20 and B22 Line Upgrades – Conducted the visual analysis for a proposed substation rebuild and 19.6 miles of line and structure upgrades in the towns of Lowell, Eden, Johnson and Morrisville, Vermont. Certificate of Public Good issued in May, 2020.

Green Mountain Power – Various Substation Projects – Conducted the visual analysis for proposed substations and substation rebuilds, including the GMP Airport Substation, GMP Barre North End Substation, GMP Barre South End Substation, GMP East St. Albans Substation, GMP North Brattleboro Substation, and GMP Websterville Substation.

Davenport Solar, LLC – Conducted the visual analysis for a 15 MW solar generation facility in the town of Brandon, Vermont. Photographic simulations, viewsheds and landscape planting plans were also prepared. Project is currently in the approval process with a CPG expected in 2020 or 2021.

VELCO - Lamoille County Project – Managed many aspects of a 115 kV transmission line project, including preparation of aesthetic analysis exhibits, simulations, GIS analysis, pre-filed testimony and aesthetic mitigation plans for and during the construction process.

VELCO - Southern Loop Project – Provided exhibits for the Vermont Public Service Board, including substation and transmission corridor simulations, GIS mapping, and aesthetic analysis. Prepared a 3D GIS model for visual analysis of the transmission corridor incorporating the transmission line design, surrounding buildings, trees, and other relative planning data.

VELCO - East Avenue Loop Project – Prepared a 3D GIS Model for the entire EAL 115 kV transmission line corridor for aesthetic analysis and presentations that incorporated the 3D transmission line design, 3D buildings, 3D trees, and other relative planning data into a movie derived from ESRI ArcScene. Conducted field visibility tests of the proposed structures using balloons and provided aesthetic analysis support.

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VELCO – Grand Isle PV-20 Project – Managed many aspects of a 115 kV transmission line project and associated substation relocation, including preparation of aesthetic analysis exhibits, simulations, GIS analysis, pre-filed testimony and aesthetic mitigation plans for and during the construction process.

VELCO – Various Substation Projects – Conducted the visual analysis for proposed substations and substation rebuilds, including the VELCO Sandbar Substation, VELCO East Avenue – Queen City Reactor Project.

Northern Pass Transmission Project – Environmental Impact Statement – Coordinator for the visualization and GIS viewshed analysis portion of an EIS for a 180-mile HVDC/AC transmission line extending from Canada to Deerfield, New Hampshire, including through the White Mountain National Forest. T.J. Boyle Associates was a sub consultant to SE Group, who coordinated the EIS for the US Department of Energy. Duties included complex GIS analysis, field visit and data collection, and leading the photographic simulation and GIS viewshed efforts.

Review of the Northern Pass Transmission Line Visual Impact Assessment – One of three principal reviewers of the Northern Pass Visual Impact Assessment for the New Hampshire Counsel for the Public. Duties included complex GIS analysis, field visit and data collection, methodology critique, report preparation and testimony before the New Hampshire Site Evaluation Committee.

Environmental Assessment for Wind Resources Offshore Georgia – Prepared 7 photographic simulations, 9 panoramic photomontages, and 1 night-time photographic animation as part of an Environmental Assessment for the Bureau of Ocean Energy Management. Additional duties included site visits, aesthetic report review, and helping prepare language for the aesthetics portion of the Draft & Final EA.

Red Hills Mine – Prepared 9 photographic simulations as part of a supplemental Visual Impact Assessment to a pre-existing Environmental Impact Assessment for the Red Hills Mine in Ackerman, Mississippi, owned by the North American Coal Corporation.

Visualization Study for Offshore North Carolina – Prepared 234 photographic simulations, 21 panoramic photomontages, 48 photographic animations, and 6 video simulations of offshore wind farms for the Bureau of Ocean Energy Management. The project included simulating more than 21,000 different wind turbine types/locations from 18 different viewpoints along North Carolina's Outer Banks.

New York State DOT Visual Impact Statement Short Course – One of four instructors to teach a Visual Impact Statement course to New York State's Department of Transportation's landscape architects. Focused on simulation and visualization technologies, including static simulation creation and review, viewpoint documentation, CAD modeling and image overlay, image sampling and exhibit creation. Additional items were discussed including simulation accuracy/credibility and emerging dynamic simulation technologies such as SketchUp, ArcScene and Google Earth Pro.

Deerfield Wind Project – Gathered field data and prepared various viewshed analysis maps depicting proposed wind turbines and their visibility throughout the surrounding area, as well as various other GIS maps included in the aesthetic report.

Beekmantown Wind Project – Conducted preliminary field visibility tests using balloons and prepared simulations and viewshed maps for 13 proposed wind turbines located in Beekmantown, New York.