



## T.J. BOYLE ASSOCIATES

LANDSCAPE ARCHITECTURE & PLANNING

### Michael J. Buscher, PLA, ASLA

Principal Landscape Architect | Owner

#### Education

- 1992-1998 Bachelor of Landscape Architecture, College of Arts and Architecture, The Pennsylvania State University, State College, Pennsylvania.
- Spring 1996 Roman Urban Studies, Penn State Department of Landscape Architecture, Rome, Italy.

#### Professional Registration

- 2011 – Present Licensed Landscape Architect, Vermont No. 81719

#### Professional Experience

- 2007-present Owner / Landscape Architect, T.J. Boyle Associates, LLC, Burlington, Vermont
- 2001- 2007 Senior Landscape Architect, T.J. Boyle and Associates, Burlington, Vermont.
- 1998-2001 Landscape Architect, Greenhorne & O'Mara Engineers & Planners, Inc., Germantown, Maryland

#### Related Project Experience

**NextEra Energy: Chinook Solar Project** – Managed the visual analysis for a 30-MW solar electric generation facility in Fitzwilliam, NH. T.J. Boyle Associates was a subconsultant to TRC Companies, Inc. to address requirements concerning visual impacts per the NH Site Evaluation Committee. T.J. Boyle Associates work included conducting a visual assessment intercept survey on the Mount Mondanock Summit.

**NextEra Energy: Winslow Solar Project** – Managed the visual analysis for a 20-MW solar electric generation facility in Clinton, ME. T.J. Boyle Associates was a subconsultant to TetraTech Inc. to address Maine's regulatory requirements concerning scenic impacts.

**NextEra Energy: Hinckley Solar Project** – Managed the visual analysis for a 20-MW solar electric generation facility in Hinckley, ME. T.J. Boyle Associates was a subconsultant to TetraTech Inc. to address Maine's regulatory requirements concerning scenic impacts.

**Northern Pass Transmission: NH Counsel for the Public** – Manager for the review of the visual impact assessment on behalf of the New Hampshire Office of the Attorney General. Responsibilities included critical review of applicants VIA, facilitation of public engagement, and providing expert testimony in review of a 180 mile proposed 300 HVDC transmission line in New Hampshire.

**Northern Pass Transmission: Environmental Impact Statement** – Co-manager for the visual impact assessment portion of the EIS for a 180 mile proposed 300 HVDC transmission line in New Hampshire. T. J. Boyle is a sub-consultant to SE Group to provide EIS services for the U.S. Department of Energy and the White Mountain National Forest.

**Encore Renewable Energy** – Managed the visual analysis for the development of multiple solar electric generation facilities, ranging in size from 150 kW to 5 MW, totaling in the development of over 40 MW of renewable electric generation.

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*Coolidge Solar I, LLC* – Managed the visual analysis for a 20-MW solar electric generation facility in Ludlow, Vermont. When constructed, this project will be approximately four times larger than the next largest solar project in the state of Vermont. The Project received a Certificate of Public Good from the Vermont Public Service Board in 2017 and construction was completed in 2019.

*New England Clean Power Link* – Managed the visual impact assessment of a 1,000 MW (300 to 320 kV) HVDC transmission line and converter station. The VIA addressed aesthetic impact requirements for permitting within the state of Vermont and for the EIS. The NECPL received its certificate from public good from the Vermont Public Service Board in 2016. Construction has not yet started.

*Green Lantern Capital Solar Development* – Manager for the visual analysis for the development of over 10-MW or solar electric generation facilities, broken into 500 to 1,000 kW net metered Projects. Many of these projects will be co-owned by the towns in which they are located.

*Technology Drive Solar Project* – Managed the visual analysis for a 2.2-MW solar electric generation facility in Brattleboro, Vermont. The Project received a Certificate of Public Good from the Vermont Public Service Board in 2013 and completed construction in 2015.

*Whitcomb Solar Project* – Managed the visual analysis for a 2.2-MW solar electric generation facility in Essex Junction, Vermont. The Project received a Certificate of Public Good from the Vermont Public Service Board in 2013 and completed construction in 2014.

*Claire Solar Project* – Managed the visual analysis for a 2.2-MW solar electric generation facility in South Burlington, Vermont. The Project received a Certificate of Public Good from the Vermont Public Service Board in 2013 and completed construction in 2015.

*Chester Solar Project* – Managed the visual analysis for a 2.2-MW solar electric generation facility in Chester, Vermont. The Project received a Certificate of Public Good from the Vermont Public Service Board in 2013 and is currently under construction.

*Environmental Assessment for Wind Resources Offshore Georgia* – Provided project management for the visual impact assessment of the Draft and Final EA to install meteorological measurement towers and buoys on the outer continental shelf, near Tybee Island, GA.

*Harbor View Solar Project* – Evaluated potential visual impacts for a proposed 2.2-MW solar electric generation facility in St. Albans, Vermont. The Project received a Certificate of Public Good from the Vermont Public Service Board in November 2012 and completed construction in 2015.

*Visualization Study for Offshore North Carolina* – Managed the creation of multiple high-quality visualizations including: 234 single-frame photographic simulations, 21 panoramic simulations, 48 animated videos and six simulated movies for potential offshore wind development. The visualizations were used by the **Bureau of Ocean Energy Management** to assess aesthetic impacts and finalize the federal offshore lease program for renewable energy projects on the Outer Continental Shelf.

*VELCO: Bennington Substation* – Managed the visual analysis of a proposed electrical transmission substation in Bennington, Vermont including public outreach efforts of several alternatives to gain support from local officials. The analysis included the preparation of testimony, a report, and exhibits including photo simulations of several different design alternatives. The Project received a Certificate of Public Good from the VT Public Service Board in August of 2012 and completed construction in 2014.

*Lamoille County Sheriff Public Safety Project* – Provided aesthetic assessment services, including review under the Quechee Analysis, for the replacement of an existing wireless communication tower in the town of Hyde Park. Several emergency service communication networks will be collocated on the new tower. The project received its Certification of Public Good in 2011 under Section 248a of the Vermont State Statutes

**VELCO: Ascutney Substation** – Managed all aspects for the visual analysis of a proposed electrical substation located in Weathersfield, Vermont. Responsibilities included preparation of testimony and report, and oversight of exhibit preparation including photo simulations, for inclusion with the Section 248 petition to the Vermont Public Service Board. The Project received a Certificate of Public Good in April of 2012 and completed construction in 2013.

**“SunGen Sharon I” Solar Farm Project – VT Department of Public Service** – Reviewed the applicant’s petition for a Certificate of Public Good and performed an evaluation of potential aesthetic impacts on behalf of the Vermont Department of Public Service. Responsibilities included preparation of testimony, an aesthetic analysis report, and exhibits for inclusion with the Section 248 filings to the Vermont Public Service Board. This project received a Certificate of Public Good in 2011 and completed construction in 2012.

**VELCO: Jay Substation** – Evaluated potential visual impacts that would result from a proposed electrical transmission substation in Jay, Vermont. Responsibilities included preparation of testimony, report, and exhibits for inclusion with the Section 248 petition to the Vermont Public Service Board. This project received a Certificate of Public Good in 2011 and construction was completed in 2012.

**Williamstown Solar Farm** – Evaluated potential visual impacts for a proposed 2.0-MW solar electric generation facility in Williamstown, Vermont. The Project received a Certificate of Public Good from the Vermont Public Service Board in November 2010 and went on line in December 2012.

**FairPoint Communications Wireless Broadband** – Provided aesthetic assessment services for the permitting of multiple wireless towers throughout the State of Vermont. An initial three-tower project, including coordination of archaeological and historic resources was approved. Studies for several other sites were completed, but FairPoint discontinued the project.

**Vermont Community Wind** – Conducted a visual resource study in preparation of filing testimony and exhibits to the Vermont Public Service Board for a proposed 85 MW industrial wind turbine project in Ira, Vermont. Responsibilities included assessment of 60 potential turbine locations, coordination and quality control of GIS data for multiple consultants, coordination on public outreach events and the creation of project visualizations. This project is currently on hold.

**Southern Loop Project** – Evaluated potential visual impacts as the result of proposed transmission upgrades including the addition of a second 345 kV transmission line within an existing corridor, new and expanded substations and a new 345 kV loop. Responsibilities included preparation of testimony, reports, and exhibits for inclusion with the 248 petition to the Vermont Public Service Board. This project received a Certificate of Public Good in February 2009 and construction was completed in 2011.

**East Avenue Loop Project** – Managed all aspects of the visual analysis for a proposed 115 kV transmission line upgrade between Williston and Burlington, Vermont, including preparation of a visual analysis report, exhibits, and testimony. This project involved the creation of a highly detailed 3-D model that was presented at several key stakeholder meetings and public open house sessions to help inform the public of the visual characteristics of the proposed upgrades. The Certificate of Public Good for this project was issued in May, 2008. Construction was completed 2009.

**Deerfield Wind Project** – Co-authored a report, created exhibits, prepared joint pre-filed testimony and testified at a technical hearing before the Vermont Public Service Board to evaluate aesthetic impacts of a seventeen 2.0-MW wind turbine project within the Green Mountain National Forest in southern Vermont. This project has received a Certificate of Public Good and is awaiting construction. Co-authored separate report for the EIS.

**Beekmantown Wind Project** – Conducted a visual resource assessment for a proposed thirteen-turbine industrial wind farm in Beekmantown, NY. Findings were presented in a Visual Impact Assessment Report, along with maps, photo simulations, sections and other exhibits, and filed as attachment D of the Full Environmental Impact Assessment.

**Middlebury Spur Environmental Impact Statement** – Prepared a visual assessment for inclusion with an Environment Impact Statement of proposed alternates of a railroad spur and loading facilities in Middlebury, VT. Several photo simulations were prepared in order to evaluate alternate proposals, including at-grade and grade-separated crossings of public roads.

**East Haven Windfarm** – Completed a report summarizing the visual analysis of a four-turbine industrial wind project in East Haven, Vermont, and provided testimony to the Vermont Public Service Board. This project was denied a Certificate of Public Good due to inadequate avian impact studies.

**Independent Wireless One – Pritchard Mt. Telecommunication Facility Expansion** – Prepared exhibits, including several photographic simulations, in support of testimony submitted to Act 250 District Commission #4 for approval of substantial changes to a pre-existing telecommunication tower.

**Northwest Vermont Reliability Project** – Prepared exhibits in support of testimony submitted to the Vermont Public Service Board for approval of electrical transmission line upgrades from West Rutland to South Burlington to ensure the reliability of Vermont’s transmission system. Construction of this project was completed in 2009.

**Rensselaer Greens** – Provided aesthetic assessment in opposition to a 550-MW cogeneration facility and a recycled newsprint facility, and testified before a joint hearing of the New York State DEC and DPS.

## Memberships and Affiliations

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|-------------------------|---|
| 1998-present            | Member, American Society of Landscape Architects  |
| 2002-present            | Member, Vermont Chapter of the American Society of Landscape Architects   |
| 2003-2010               | Member, Vermont Landscape Architecture Licensure Committee  |
| 2003-2011, 2018-present | Treasurer, Vermont Chapter of the American Society of Landscape Architects                                      |
| 2007-2010               | Member, Outdoor Lighting Advisory Board – State of Vermont  |
| 2010-present            | Advisory Board Member, Vermont Technical College – Architectural and Building Engineering Technology Department |
| 2010-present            | Member, Village Steering Committee, Town of Hinesburg   |

## Awards and Recognition

- 2013 Vermont Chapter ASLA – Honor Award: Visualization Study of Offshore North Carolina
- 2011 Vermont Chapter ASLA – President’s Award
- 2009 VPA Plan of the Year Award: Neshobe Farm Planned Unit Development
- 2009 Vermont Chapter ASLA - Honor Award: Neshobe Farm Planned Unit Development
- 2007 Vermont Public Space Awards - Honorable Mention: Lake & College Project
- Spring 1999, Greenhorne & O’Mara Award of Merit
- Grant recipient, City of Gary, Indiana, for nomination of the Lincoln Street Historic Neighborhood to National Register of Historic Places - 1998
- 1st Place, 1996 ASLA Undergraduate Team Research Award