



CULTURAL  
RESOURCE  
CONSULTANTS

# RGA

CULTURAL RESOURCES SERVICES  
TRANSMISSION LINE AND SUBSTATION UPGRADES  
NORTHEASTERN, NORTH CENTRAL, AND SOUTHWESTERN NEW JERSEY

**CLIENT:**

Major Utility Company

**PROJECT SPONSOR:**

Major Utility Company

**REVIEW AGENCY:**

NJ Historic Preservation Office

**PROJECT STAFF:**

Paul McEachen

*Principal Senior Archaeologist*

Damon Tvaryanas

*Principal Senior Historian*

Sharon White and

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*Senior Archaeologists*

Jennifer Leynes and

Virginia Brounce Overberger

*Senior Architectural Historians*

Philip Hayden and

Michael Tomkins

*Senior Historians*



Since 2010, RGA has been providing cultural resources services to a major utility company for projects involving nearly 120 miles of transmission line upgrades and multiple substation improvements throughout northeastern, north-central, and southwestern New Jersey. RGA's extensive experience with the NJ Historic Preservation Office (HPO) and the myriad of cultural resource regulations enforced by that agency facilitate the completion of the projects within aggressive timeframes.

RGA is completing various archaeological and architectural surveys in compliance with various federal and state permitting requirements. To facilitate the most efficient approach, protocols for the implementation of the surveys were developed in consultation with the HPO. The work has included Phase I-III archaeological surveys undertaken to identify historic and archaeological resources within archaeologically sensitive portions of Area of Potential Effects. Utilizing ArcGIS 3D Analyst, RGA has developed digital viewsheds of existing and proposed transmission lines by integrating topographic and land use data from the New Jersey Geographic Information Network with pole and line configurations. The resulting maps facilitate objective analyses of the project viewshed and potential effects on architectural resources.