

**BEFORE
THE OHIO POWER SITING BOARD**

In the Matter of the Application of Wild)
Grains Solar, LLC for a Certificate of)
Environmental Compatibility and Public Need)
a Solar Facility Located in Van Wert County,)
Ohio.

Case No. 21-0823-EL-BGN

DIRECT TESTIMONY OF

**Douglas J. Pippin, PhD, RPA
Environmental Design & Research, Landscape Architecture, Engineering &
Environmental Services, D.P.C.**

On behalf of

Wild Grains Solar, LLC

May 13, 2022

Q.1 Please state your name, title, and business address.

A.1 My name is Douglas J. Pippin. I am a Senior Archaeology Project Manager for Environmental Design & Research, Landscape, Architecture, Engineering & Environmental Services, D.P.C. (EDR), located at 274 North Goodman Street, Suite B260, Rochester, NY 14607.

Q.2 What is your education and professional background?

A.2 I received an MA and PhD in Anthropology from the Maxwell School of Citizenship and Public Affairs at Syracuse University. I was anthropology professor for the State University of New York for over 20 years, where, in addition to teaching, I directed cultural resources consultation on behalf of SUNY. I joined EDR in 2018 as a Project Manager and was promoted to my current position—Senior Project Manager—in 2020. A copy of my resume is attached to my testimony.

Q.3 Have you testified previously before the Ohio Power Siting Board?

A.3 Yes

Q.4 On whose behalf are you offering testimony?

A.4 I am testifying on behalf of the Applicant, Wild Grains Solar, LLC, in support of its Application filed in Case No. 21-0823-EL-BGN.

Q.5 What is the purpose of your testimony?

A.5 The purpose of my testimony is to support the Phase I Archaeological Survey Report, which was filed under seal as Exhibit U to the Wild Grains Solar Project Application. I am prepared to testify regarding archaeological resources as they may pertain to the Project.

Q.6 Please describe your involvement with the Project.

A.6 I oversaw the planning, implementation, analysis, and reporting of the Wild Grains Solar Project Phase I Archaeological Survey.

Q.7 What is the role of you and your firm in regards to the Report set forth in Exhibit U to the Application?

A.7 In 2021, EDR was contracted to complete a Cultural Resources Work Plan, an Historic Resources Survey, and a Phase I Archaeological Survey for the Wild Grains Solar Project. Our desktop research also included field investigations, per the commitments made in the Cultural Resources Work Plan, to aid in analysis and reporting.

Q.8 What were the conclusions of the Phase I Archaeological Survey Report?

A.8 A Phase I archaeological survey was completed in accordance with the methodology presented in the Cultural Resources Work Plan. The results of the Phase I Archaeological Survey are provided in the report attached as Exhibit U, which has been submitted under seal in this proceeding. The total archaeological field work involved the excavation of 2,333 shovel tests and pedestrian surface survey (i.e. walkover survey) of approximately 2,114 acres. The parts of the Project Area that were not surveyed are comprised of heavily wooded areas and areas directly adjacent to existing turbines that were avoided in all Facility design. In total, 52 archaeological sites and 46 isolated finds were identified during the Phase I Archaeological Survey. These identified resources consisted of 17 Euro-American sites and one isolated find, one multicomponent site, and 34 sites and 45 isolated finds of Native American origin. Cultural material from four, previously recorded Ohio Archaeological Inventory sites (33-VW-071, 33-VW-074, 33-VW-290, and 33-VW-295) was also identified and collected in the field. In total, 2,473 Euro-American artifacts and 214 Native American artifacts were collected during the survey. Twenty of the 52 sites identified in the Phase I Archaeological Survey are considered potentially eligible for the National Register of Historic Places. It is anticipated that all 20 sites will be avoided by facility impacts. The Applicant has provided the full results of the Phase I Archaeological survey to the Ohio History Connection (acting as the Ohio State Historic Preservation Office) for concurrence. SHPO provided its concurrence with the Phase I Archaeological Survey recommendations on November 19, 2021.

Q.9 Please explain what, if any, additional testing needs to be performed prior to construction.

A.9 Based upon the results described above, no additional archaeological investigations for the Wild Grains Solar Project are needed prior to construction.

1 **Q.10** Are your opinions and conclusions in your testimony made with a reasonable degree
2 of scientific certainty?

3 **A.10** Yes.

4 **Q.11** Does this conclude your testimony?

5 **A.11** Yes. However, I reserve the right to update this testimony to respond to any further
6 testimony, reports, and/or evidence submitted in this case.

CERTIFICATE OF SERVICE

The undersigned hereby certifies that a true and correct copy of the foregoing Direct Testimony of Douglas J. Pippin was served via electronic mail upon the parties of record listed below this 13th day of May 2022:



Kara H. Herrnstein

Werner Margard
Robert Eubanks
Sarah Feldkamp
Assistant Attorneys General
Public Utilities Section
30 East Broad St., 16th Floor
Columbus, OH 43215
robert.eubanks@ohioAGO.gov
werner.margard@ohioAGO.gov
sarah.feldkamp@ohioAGO.gov

Counsel for Ohio Power Siting Board Staff

Chad A. Endsley
Leah F. Curtis
Amy M. Milam
Ohio Farm Bureau Federation
280 North High Street
Columbus, OH 43218-2383
cendsley@ofbf.org
lcurtis@ofbf.org
amilam@ofbf.org

Counsel for Ohio Farm Bureau Federation



Douglas is an Archaeology Project Manager at EDR. Dr. Pippin has over 20 years of professional experience as an archaeologist and was previously a professor in the Department of Anthropology at SUNY Oswego. On behalf of the college, he directed compliance efforts for the Native American Graves Protection and Repatriation Act (NAGPRA). In addition, he has published numerous peer-reviewed articles and makes regular presentations at academic and professional conferences. Doug's areas of expertise include historic-period archaeology, NAGPRA, State Historic Preservation Office and Tribal consultation, archaeological collections management, and Colonial-period military history in the northeastern United States and Canada.

Education

- Doctorate, Anthropology, Maxwell School of Citizenship & Public Affairs, Syracuse University, Syracuse, NY
- Master of Arts, Anthropology, Maxwell School of Citizenship & Public Affairs, Syracuse University, Syracuse, NY
- Bachelor of Science, Photojournalism, University of Maryland

Registration

- Registered Professional Archaeologist #17571

Professional Affiliations

- President, Lewis Henry Morgan Chapter (Rochester), NYS Archaeological Association
- New York Archaeology Council
- Society for Historical Archaeology

Employment History

- Senior Project Manager, Archaeology, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., Syracuse, NY, 2021-present
- Archaeology Project Manager, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., Syracuse, NY, 2018-2021

As an Archaeology Project Manager, Doug directs cultural resources surveys and develops strategies for the identification, protection, and/or mitigation of archaeological and historic resources.

Project Experience

Sunrise Wind, Onshore Transmission Line, Suffolk County, NY – Project Manager for a Phase I archaeological survey of the onshore interconnection cable route and substation for a proposed 880-MW offshore wind farm located off the coast of Southern New England. EDR's services were in support of a New York State Public Service Commission Article VII Application.

Willowbrook Solar, Highland and Brown Counties, Ohio – Project manager for Phase IB archaeological survey in support of an OPSB Application for a proposed solar energy project that will be sited on an approximately 2,200-acre area.

Clearview Solar, Champaign County, Ohio - Project manager for Phase IB archaeological survey in support of an OPSB Application for a proposed solar energy project that will be sited on an approximately 1,196-acre area.

Powell Creek Solar, Putnam County, Ohio - Project manager for Phase IB archaeological survey in support of an OPSB Application for a proposed solar energy project that will be sited on an approximately 2,013-acre area.

Prattsburgh Wind Farm, Steuben County, New York - Project manager for Phase IB archaeological survey in support of a DPS Article 10 application for a proposed wind farm energy project.

Morris Ridge Solar Energy Center, Livingston County, NY – Project Manager for a Phase I archaeological survey at a proposed 177-MW solar facility. Services provided in support of the New York State Department of Public Service Article 10 Application review.

South Fork Wind, Onshore Transmission Line, Suffolk County, NY – Project Manager for a Phase I archaeological survey of the onshore interconnection cable route for a proposed 132-MW offshore wind farm located off the coast of Southern New England. EDR's services were in support of a New York State Public Service Commission Article VII Application.

Flint Mine Solar, Greene County, NY – Project Manager for a Phase I archaeological survey at a proposed 100-MW solar facility. Services provided in support of the New York State Department of Public Service Article 10 Application review.

Heritage Wind Project, Orleans County, NY – Project Manager for a Phase I archaeological survey at a proposed 200-MW solar facility. Services provided in support of the New York State Department of Public Service Article 10 Application review.

Riverhead Solar 2, Suffolk County, NY – Project Manager for a Phase I archaeological survey at a proposed 36-MW solar facility. Co-author of final report, submitted to New York State Historic Preservation Office (SHPO). Services provided in support of the New York State Department of Public Service Article 10 Application review.

Alamo Solar, Preble County, OH – Project Manager for the Phase I archaeological survey and co-author of the archaeological research design, in consultation with the Ohio Historic Preservation Office (OHPO). Services provided in support of an Application to the Ohio Power Siting Board (OPSB) for the proposed 70-MW solar energy project sited on approximately 1,002-acres.

Angelina Solar, Preble County, OH – Project Manager for the Phase I archaeological survey and co-author of the archaeological research design, in consultation with OHPO. Services provided in support of an Application to the OPSB for the proposed 80-MW solar energy project sited on approximately 934-acres.

Willowbrook Solar Project, Brown and Highland Counties, OH – Conducted an onsite archaeological assessment and co-author of the archaeological research design, in consultation with OHPO. Services provided in support of an Application to the OPSB for the proposed 150-MW solar energy project.

Coxsackie Correctional Facility, Greene County, NY – Co-authored the Phase III archaeological survey report for a Pre-Contact Native American archaeological site identified and excavated pursuant to Section 14.09 of the New York State Historic Preservation Act and Section 106 of the National Historic Preservation Act. Directed laboratory analysis of approximately 7,000 artifacts.

Hillcrest Solar Project, Brown County, OH – Project Manager for the Phase I archaeological survey at a proposed 125-MW solar energy project sited on approximately 1,400-acres. Cultural resources survey conducted in consultation with the OHPO pursuant to conditions of Certificate approved by the OPSB.

Cassadaga Wind Project, Chautauqua County, NY – Co-authored a Phase II documentary research report for three historic-period sites identified during the previous Phase IB archaeological survey, related to layout changes to a proposed 126-MW wind farm. Services provided in support of the New York State Department of Public Service Article 10 Application review.

Johnson Hall State Historic Site, Fulton County, NY – Project Manager for Phase I archaeological survey at the eighteenth century colonial mansion of Sir William Johnson. Services were in support of building improvements for drainage around the foundation walls. Co-author of the final report submitted to SHPO.

Lake Road Improvement Project, Monroe County, NY – Project Manager for Phase II archaeological survey in support of a roadway improvement project. Responsible for overseeing the survey in a DOT right-of-way, developing a Phase II investigation strategy, and contributing to the final report for a pre-contact Native American site.

Timber Road IV, Paulding County, OH – Assisted in the revision of the Phase I archaeological survey report for the 100-MW wind farm in the Great black Swamp region.

Village of Mohawk Water Wells, Herkimer County, NY – Assisted in the report for the archaeological monitoring of excavation/construction of water wells within a 1.2-acre parcel being redeveloped with storm-resilient municipal and utility infrastructure. Monitoring was conducted as part of Section 106 of the National Historic Preservation Act consultation for the New York Governor's Office of Storm Recovery (GOSR) and Federal Emergency Management Agency (FEMA).

project experience prior to joining EDR

Native American Graves Protection and Repatriation Act Compliance Director, State University of New York (SUNY) at Oswego- Coordinated tribal and agency consultation along with federal regulatory compliance for the inventory of SUNY Oswego's archaeological collections. Managed a collection of over 150,000 artifacts from more than 125 archaeological sites. Prepared grant applications, managed grant funding, directed student laboratory assistants, and prepared comprehensive

inventory of archaeological collections. Consulted with law enforcement agencies, the Oneida Indian Nation of New York, the Onondaga Nation, the Mohawk Nation at Akwesasne, the U.S. Department of the Army, the National Park Service, the New York State Museum and the New York State Historic Preservation Office to coordinate the reparation of sacred/ceremonial objects and human remains to Nations. 2005-2018.

Carleton Island, Cape Vincent, NY- Ph.D. Dissertation Research Project. Archaeological survey and excavation at the site of Fort Haldimand, a late-eighteenth century British military fortification located in the Thousand Islands. Excavations at both soldiers' and officers' barracks to better understand living conditions in the eighteenth century upper St. Lawrence Valley. 1998-2002, 2011–Present.

Tram Site, Livonia, NY- Supervised the public excavation conducted through the Lewis Henry Morgan Chapter, New York State Archaeological Association. Goals include mapping the extent of the Tram Site settlement area, outside of that protected by the Archaeological Conservancy. Survey and testing of approximately 5 acres. 2016-Present

Burning Springs Site, Bristol, NY- Supervised the public excavation conducted through the Lewis Henry Morgan Chapter, New York State Archaeological Association. A multi-component seventeenth century site visited by the explorer LaSalle while he was in the Seneca territory before moving westward. As a result, the site appears on some of the earliest maps of North America. Archaeological testing of approximately 6 acres to investigate any long-term use of the springs area by the Haudenosaunee, and early historic-period residents of the Bristol Valley. 2010-2013.

Warderwick Wells, Exuma Cay Land & Sea Park, Bahamas- Worked within the Exuma Cays Land and Sea Park to map and survey archaeological sites believed to be associated American Loyalist refugee settlements. Six activity areas mapped and recorded, including potential burial ground. Archival investigations completed at the Bahamas National Archives, Nassau and the National Archives, UK. 2010-2012.

John Brown Hall at the Harriet Tubman Home, Auburn, NY- Field Supervisor for the Syracuse University archaeological field school at the site of the home that Harriet Tubman built for elderly, former slaves. 1998.

Chittenango Landing Canal Boat Museum, Chittenango, NY- Field Supervisor for the Syracuse University archaeological field school at a nineteenth century worker's house at an Erie Canal dry dock complex. 1994.

publications and reports

"A very laborious task:" British colonial policy and Fort Haldimand on Carleton Island, New York (1778-1784). In *British Forts and Their Communities: Archaeological and Historical Perspectives*, Christopher R. DeCorse and Zachary James Beier, eds. Gainesville: University Press of Florida, 2018.

NAGPRA Consultation/Documentation Grant Final Project Report, Grant # 36—12—GP—583. Submitted to National NAGPRA, United States Department of the Interior on behalf of the Research Foundation for the State University of New York. 2016

NAGPRA Consultation/Documentation Grant Final Project Report, Grant # 36—11—GP—553. Submitted to National NAGPRA, United States Department of the Interior on behalf of the Research Foundation for the State University of New York. 2016

Summary of archaeological investigations at the Chittenango Landing Canal Boat Museum. In *Chittenango Landing Canal Boat Museum Cultural Landscape Report*. Patrick Heaton, ed. Prepared by EDR, Syracuse, NY, 2014.

NAGPRA Consultation/Documentation Grant Final Project Report, Grant # 36—08—GP—488. Submitted to National NAGPRA, United States Department of the Interior on behalf of the Research Foundation for the State University of New York. 2011

"Distressed for want of provision:" Supplying the British soldier on Carleton Island (1778-1784). In *Soldiers, Cities and Landscapes: Papers in honor of Charles L. Fisher*. Penelope Drooker and John Hart, eds. Albany: New York State Museum Bulletin 513, 2010.

For want of provisions: an archaeological and historical investigation of the British soldier at Fort Haldimand, 1778–84. Dissertation produced for Doctor of Philosophy degree in anthropology. Maxwell School of Citizenship and Public Affairs, Syracuse University. 2010.

The British soldier on Carleton Island: an archaeological perspective. *Historic Kingston* 53 (1). 2005. century worker's house at an Erie Canal dry dock complex. 1994.

conference presentations

Reforming the Collection: Documentation, Fieldwork and the NAGPRA Process at SUNY Oswego. Poster presentation for the annual meeting of the Society for Historical Archaeology, New Orleans, 2018.

The British on Lake Ontario During the American Revolution: an Archaeological Perspective. Paper presented at the Fort Ontario Conference on Military History and Archaeology, Oswego, NY, 2017.

Archaeological Review of New York's British & American Revolutionary War Fortifications. Presentation at the second annual Conference on the American Revolution in the Mohawk Valley, Fort Plain, NY, 2016.

On the Border, in Between Two Wars: Carleton Island in Canadian and American Identity. Paper presented at the annual meeting of the Council for Northeast Historical Archaeology, Ottawa, Ontario, 2016

(Aericka Pawlikowski and Kyle Honness, co-authors) Class and Status in the British Army at Fort Haldimand, Carleton Island, New York. Poster presentation for the annual meeting of the Society for Historical Archaeology, Seattle, 2015.

The Officers' Barracks and Current Archaeological Investigations at Fort Haldimand, Carleton Island, New York. Poster presentation at the annual meeting of the Society for Historical Archaeology, Quebec City, Quebec, 2014

"It is promised to them:" Loyalist refugees' adaptation in the Exuma Cays, Bahamas (1784-1810). Paper presented at the annual meeting of the Society for Historical Archaeology, Leicester, UK, 2013.

"A very laborious task:" British colonial policy and the establishment of Fort Haldimand on Carleton Island (1778-1784). Paper presented at the annual meeting of the Society for American Archaeology, Honolulu, HI, 2013.

The SUNY Oswego NAGPRA Compliance Project. Progress report delivered to the NAGPRA Review Committee, National Museum of the American Indian, Washington, D.C., 2012.

grants and awards

Faculty Scholarly and Creative Activity Grant. Awarded by SUNY Oswego to support archival research in London, 2016-17.

President's Award for Excellence in Academic Advisement. State University of New York, College at Oswego, 2012.

NAGPRA Consultation and Documentation Grant. Project director & co-recipient with Paul Tomascak and Kathleen Blake. Awarded \$49,500 from the National Park Service for the acquisition of a portable, x-ray fluorescence analyzer for the NAGPRA archaeology lab, The Research Foundation for the State University of New York, SUNY Oswego, 2012.

NAGPRA Consultation and Documentation Grant. Project director. Awarded \$90,000 from the National Park Service to support collections management at SUNY Oswego, The Research Foundation for the State University of New York, 2011.

NAGPRA Consultation and Documentation Grant. Project director. Awarded \$75,000 from the National Park Service to support collections management at SUNY Oswego, 2008.

Award for Meritorious Service. Given by the New York State Archaeological Association for service to the Lewis Henry Morgan Chapter, Rochester, 2006.

public archaeology and invited presentations

Panel Discussant, Oswego in the French and Indian War and the War of 1812. Plenary session. The Fort Ontario Conference on Military History and Archaeology, Oswego, NY, 2017.

Plates, Buttons and Bowls: The Domestic Life of the British Soldier on Carleton Island 1778-1784. Invited presentation at the Cape Vincent Historical Weekend Celebration, Cape Vincent, NY, 2016.

TILT Trek. On-site archaeological presentation, activities, and tour of Fort Haldimand, Carleton Island, NY. Organized by the Thousand Islands Land Trust, Clayton, NY, 2015.

Archaeological Investigation of the Royal Highland Emigrants on Carleton Island, 1778–1784. Invited presentation at the International Archaeology Day Symposium, Fort Stanwix National Monument, Rome, NY, 2014.

**This foregoing document was electronically filed with the Public Utilities
Commission of Ohio Docketing Information System on**

5/13/2022 5:08:27 PM

in

Case No(s). 21-0823-EL-BGN

Summary: Testimony of Douglas J. Pippin on behalf of Wild Grains Solar, LLC
electronically filed by Teresa Orahoad on behalf of Herrnstein, Kara