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December 8, 2016

Mr. Darrell Nitschke
Executive Director
North Dakota Public Service Commission
600 E. Boulevard Avenue, Dept. 408
Bismarck, ND 58505-0480

Submitted via email to ndpsc@nd.gov

Re: Glacier Ridge Wind Farm Application for Certificate of Site Compatibility, **Case No. PU-16-539**

Dear Mr. Nitschke:

Attached please find correspondence from the North Dakota State Historical Society to be added to the docket for Case No. PU-16-539. This letter documents that the requested mitigation for visual effects from the Project has been completed.

A hard copy of the document will be sent via mail as well.

Please do not hesitate to contact me with any questions at 512-213-8501 or anne-marie.griger@res-group.com.

Sincerely,

Anne-Marie Griger
Permitting Specialist

100 **PU-16-539** Filed: 12/8/2016 Pages: 5
Letter enclosing SHPO correspondence

Glacier Ridge Wind Farm, LLC

Anne-Marie Griger, Permitting Specialist



**STATE
HISTORICAL
SOCIETY
OF NORTH DAKOTA**

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December 1, 2016

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Mr. Adam Holven
Senior Archaeologist/Project Manager
Tetra Tech Inc.
2001 Killebrew Drive, Suite 141
Bloomington, MN 55425

ND SHPO REF: 16-1190B ND PSC PU-15-690 Visual Effect mitigation for Glacier Ridge
Wind Farm, Barnes County, North Dakota

Dear Mr. Holven,

We reviewed the blog submission about ACO Silos in Barnes County and find it acceptable. There has been a good faith effort to identify and avoid visual impacts to "Significant Sites," provided the project remains as described in your previous report dated October 7, 2016.

Thank you for the opportunity to review. If you have any questions please contact Susan Quinnell, Review and Compliance Coordinator at (701) 328-3576, e-mail squinnell@nd.gov

Sincerely,

Claudia J. Berg
Director State Historical Society of North Dakota

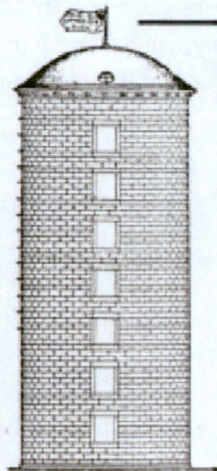
A.C.O. Silos in Barnes County

Occasionally, when evaluating farmsteads for historical significance and eligibility of listing on the National Register of Historic Places, even an ordinary farmstead will have a unique or unusual feature. Such is the case in northeast Barnes County, where there are at least two A.C.O. Company brick silos seen on two separate farmsteads in Noltmier Township. It's easy to distinguish the silos because the brand name A.C.O. is stamped on the exterior, just under the roof. These silos have roofs of domed sheet-metal with a prominent metal ventilator, are accessed by a single door, and have metal ladders that lead to a round opening. They were commonly constructed in the Midwest from approximately 1910 to 1945.

A.C.O. Silo Company began when Adolph Casmir Ochs, known as "A.C." Ochs, opened the Ochs Brick and Tile Company in Springfield, Minnesota in 1891. Ochs and his company began making smooth face brick in 1910 and 1911, supplying face brick for many of the buildings in Minnesota and some in South Dakota. After World War I, the demand for smooth brick for use as vertical siding increased, and Ochs' plant met the demand by opening a plant in Minneapolis where his brick was used to build several buildings on the University of Minnesota campuses of St. Paul and Minneapolis.

When the Great Depression hit the country, Ochs' company turned to making brick silos entirely of burnt clay, iron, and cement and completely without wood. Bricks were curved and radial-cut in an angle so the silos were smooth on both the interior and the exterior with few air spaces to retain heat: a unique method of construction for that period. The silos in Barnes County appear to be of this style, constructed after the Great Depression.

A.C.O. silos became common throughout Minnesota and other portions of the Upper Midwest. Ochs' silos were also built in Wisconsin, Iowa and the Dakotas as Ochs hired laborers to construct his silos in other areas where the need arose. It is likely that the bricks were transported by rail if the customer was not located in Minneapolis or Springfield. Advertisements for the A.C.O. silos touted they were as "cheap" as a wood stave silo, but would not rot.



"We build it for You"

**The A. C. O.
SILO**

The "A. C. O." Silo is built entirely of burnt clay, iron and cement and does not contain a stick of wood. It is as cheap as a good wood stave silo. Our blocks are *Curved* and are cut angular, so the silo will be perfectly smooth on the inside and on outside.

We have the "BEST SILO ON EARTH."

Write for our literature.

**The A. C. Ochs Brick & Tile Co.,
Springfield, Minn.**



Photo taken at L. E. Potter Farm, Springfield, Minn.

The A. C. OCHS BRICK & TILE CO.
SPRINGFIELD :: :: MINN.

The A. C. O. SILO

The "A. C. O." Silo is built entirely of burnt clay, iron and cement and does not contain a stick of wood. It is as cheap as a good wood stave silo. Our blocks are **curved** and are cut angular, so the silo will be perfectly smooth on inside and on outside.

We have the "BEST SILO ON EARTH." Write for our literature.

Advertisement, date unknown, source: City of Springfield: Historic Context Study

Advertisement, date unknown, source: MNBrick.com

The silos in Barnes County are historically significant as pristine examples of brick silos constructed by A.C.O. Company. Although the silos were common in Minnesota for three decades, examples of these silos are not prevalent in Barnes County, where many historic-age silos like these are removed from farmsteads to be replaced by modern steel corrugated grain bins.



Photo by Julia Mates/Chelsea Stark, July 20, 2016 SHSND SITS 32BA298, A.C.O Silo.



Photo by Julia Mates/Chelsea Stark, July 20, 2016 SHSND SITS 32BA299, A.C.O Silo.

Sources: Minnesota Bricks, A.C.O. Silos in Eastern North Dakota, website: [http:// www.mnbricks.com/aco-silos-in-eastern-north-dakota](http://www.mnbricks.com/aco-silos-in-eastern-north-dakota); The Clay Worker, Volumes LIX-LX, T.A. Randall & Co., Publishers, Indianapolis, Indiana, January — June, 1913; City of Springfield: Historic Context Study, Prepared for the City of Springfield, MN, June 11, 2011.