

Archaeological Survey Report Summary

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| To | Burke Wind, LLC |
| Subject | Burke Wind Transmission Line Class III: Intensive Archaeological Resources Inventory Summary Burke County, North Dakota |
| From | AECOM |
| Date | February 4, 2019 |

Introduction and Purpose

Burke Wind, LLC (Burke Wind), a wholly-owned, indirect subsidiary of NextEra Energy Resources, LLC, proposes to construct the Burke Wind Transmission Line (Project). The Project consists of approximately 37 miles (mi) of new 345-kilovolt (kV) overhead transmission line to be located on private property in Burke and Mountrail counties, North Dakota. The Project will connect to an associated substation that will be constructed at the northern terminus of the transmission line and connect to the existing Tande Substation owned by Basin Electric Power Cooperative.

The Project will require a Certificate of Site Compatibility from the North Dakota Public Service Commission (Commission) (Case No.: PU-18-302); therefore, the Project is subject to review by the State Historical Society of North Dakota (SHSND) under North Dakota Century Code (NDCC) Section 49-22-09 – Factors to be considered in evaluating application and designations of sites, corridors, and routes. The purpose of this investigation is to provide the necessary information for the SHSND review by confirming the presence or absence of archaeological sites within the survey corridor, which included a 200 foot (ft) or 60.96 meter (m) wide corridor around the proposed transmission line route, a 400 ft or 121.92 m diameter around proposed pole locations, and a 30 acre (ac) or 12.14 hectare (ha) parcels to serve as a substation and switch yard (Survey Corridor). The Survey Corridor is shown in **Figure 1**.

Results

A Class I: Literature Review was performed by Atwell, LLC in February 2017 and an updated review was completed by AECOM in December 2018. The literature reviews identified 21 previously recorded site leads within the Survey Corridor.

During the Phase I Intensive Cultural Resource Survey, AECOM documented 32 archaeological sites including 10 Native American sites and 15 Native American isolated finds; two historic Euro-American abandoned farmstead, three Euro-American artifact scatters, one abandoned railroad crossing, and one Euro-American isolated find. A total of 312 shovel test probes were completed in medium to high probability areas of the Survey Corridor with low ground surface visibility.

A survey for Sites of Religious and Cultural Significance to Tribes (SRCSTT) was also undertaken for the Project by Traditional Cultural Surveyors (TCS) from the Rosebud Sioux, Spirit Lake of Fort Totten, Turtle Mountain Band of Chippewa, and Northern Cheyenne Tribes. Sixty-four SRCSTT were

documented and recorded on North Dakota State Historic Preservation Office's (ND SHPO) Cultural Heritage Forms by AECOM on behalf of the participating tribes.

AECOM is not recommending avoidance for all 15 Native American isolated finds (**Table 1**), one historic Euro-American isolated find (**Table 2**). Five of the historic Euro-American sites which were documented are also not recommended for avoidance (**Table 3**). These include two historic Euro-American farmstead, two historic Euro-American scatters, and one section of abandoned railroad. It was determined through pedestrian survey and shovel test probes that these areas contained low artifact density with little to no potential for intact, stratified subsurface deposits and the sites were determined not eligible for the National Register of Historic Places.

Table 1: Native American Isolated Finds Not Recommended for Avoidance

| | | | |
|-----------|-----------|-----------|-----------|
| 32BKX1012 | 32BKX1015 | 32MNX1020 | 32MNX1021 |
| 32MNX1022 | 32MNX1024 | 32MNX1025 | 32MNX1026 |
| 32MNX1027 | 32MNX1028 | 32MNX1029 | 32MNX1030 |
| 32MNX1031 | 32MNX1032 | 32BKX1040 | |

Table 2: Historic Isolated Finds Not Recommended for Avoidance

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| 32MNX1023 |
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Table 3: Historic Sites Not Recommended for Avoidance

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|---------|----------|-----------|---------|----------|
| 32BK262 | 32MN1520 | 32MIN1531 | 32BK264 | 32MN1530 |
|---------|----------|-----------|---------|----------|

AECOM recommends a 30-foot buffer on one Native American site and one historic Euro-American site (**Table 4**).

Table 4: Sites Recommended for a 30-foot Avoidance Buffer

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|---------|----------|
| 32BK244 | 32MN1529 |
|---------|----------|

AECOM is also recommending a 50-foot buffer on eight Native American sites (**Table 5**).

Table 5: Native American Sites Recommended for a 50-foot Avoidance Buffer

| | | | |
|----------|----------|----------|----------|
| 32BK243 | 32MN1522 | 32MN1523 | 32MN1524 |
| 32MN1525 | 32MN1526 | 32MN1527 | 32MN1528 |

AECOM is recommending a 100-foot buffer on one Native American site (**Table 6**).

Table 6: Native American Site Recommended for a 100-foot Avoidance Buffer

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| 32BK255 |
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Per the recommendation of the participating tribes, all 64 SRCSTT should be considered eligible for the NRHP, and avoidance is recommended (**Table 7**).

Table 7: SRCSTT Recommended for Avoidance

| | | | | | | | |
|--------|---------|---------|---------|----------|---------|---------|---------|
| CHFBK1 | CHFBK9 | CHFBK17 | CHFBK65 | CHFBK97 | CHFMN6 | CHFMN14 | CHFMN22 |
| CHFBK2 | CHFBK10 | CHFBK18 | CHFBK66 | CHFBK98 | CHFMN7 | CHFMN15 | CHFMN23 |
| CHFBK3 | CHFBK11 | CHFBK19 | CHFBK67 | CHFBK99 | CHFMN8 | CHFMN16 | CHFMN24 |
| CHFBK4 | CHFBK12 | CHFBK20 | CHFBK68 | CHFBK100 | CHFMN9 | CHFMN17 | CHFMN25 |
| CHFBK5 | CHFBK13 | CHFBK57 | CHFBK69 | CHFBK101 | CHFMN10 | CHFMN18 | CHFMN26 |
| CHFBK6 | CHFBK14 | CHFBK62 | CHFBK81 | CHFBK102 | CHFMN11 | CHFMN19 | CHFMN27 |
| CHFBK7 | CHFBK15 | CHFBK63 | CHFBK95 | CHFMN4 | CHFMN12 | CHFMN20 | CHFMN28 |
| CHFBK8 | CHFBK16 | CHFBK64 | CHFBK96 | CHFMN5 | CHFMN13 | CHFMN21 | CHFMN29 |

Recommendations

AECOM recommends avoidance of all cultural resources that are potentially eligible for listing on the NRHP, sites deemed culturally sensitive, or sites that have not been evaluated for eligibility following the guidelines outlined by the North Dakota State Historic Preservation Office (ND SHPO). For this investigation, Burke Wind has committed to avoiding effects to archaeological resources that could be considered archaeologically or culturally significant.

If the above listed sites and their associated avoidance buffers can be avoided during construction, then AECOM recommends a determination of *No Historic Properties Affected* as documented and mapped in the Class III: Cultural Resources Inventory report. If areas beyond the Survey Corridor are to be used during construction, AECOM recommends completion of an addendum Class III cultural resources survey to determine the presence or absence of any cultural resources within these areas. The Class III report will be submitted to ND SHPO and concurrence will be obtained prior to commencing construction of the Project in these areas. Once the ND SHPO concurrence letter is received it will be submitted to the Commission.

