

**AGREEMENT AMONG  
THE DEPARTMENT OF DEFENSE,  
THE DEPARTMENT OF THE AIR FORCE,  
AND  
HORIZON HILL WIND, LLC,  
ADDRESSING THE HORIZON HILL WIND PROJECT  
NEAR CRESCENT, OKLAHOMA**

This is an agreement among the Department of Defense (DoD), acting through the Military Aviation and Installation Assurance Siting Clearinghouse, the Department of the Air Force (DAF), acting through the Deputy Assistant Secretary of the Air Force for Installations (collectively, the “DoD parties”), and Horizon Hill Wind, LLC (Project Owner). Together, these three entities are referred to as “parties” and individually as a “party.” Any reference to “DoD parties” means both parties and does not indicate that one party acts for or on behalf of the other. In this agreement, DoD does not include the United States Army Corps of Engineers when engaged in its civil works program, including any permitting actions.

This agreement is entered into pursuant to section 183a of title 10, United States Code (U.S.C.), and part 211 of title 32, Code of Federal Regulations (CFR).

Attachments A, *Federal Aviation Administration Filings*; B, *Horizon Hill Wind Project Map and Project Area Coordinates*; and C, *Curtailment Communications Protocol*, are attached to this agreement and made a part hereof.

For good and valuable consideration, the receipt of which is hereby acknowledged, the parties agree as follows:

**SECTION 1. PURPOSE.**

**A. Objective.** The objective of this agreement is to mitigate any potential adverse impact and to minimize risks to national security while allowing the Horizon Hill Wind Project (Project) to proceed with development.

**B. De-confliction.** As the Project was originally filed, its spinning turbine blades would conflict with North American Aerospace Defense Command’s (NORAD) operation of the Vance Air Force Base (AFB) Airport Surveillance Radar (ASR-11) and Oklahoma City, Oklahoma Common Air Route Surveillance Radar (CARSR). The parties have focused on de-conflicting these activities and agree that the terms below will allow the mutual goals of the parties to be met, including the protection of the ASR-11 and CARSR, which promotes national security, and protection of the National Airspace System, while supporting military readiness.

## SECTION 2. DEFINITIONS.

**A. Access.** “Access” means either to enter a physical space or to remotely read, copy, edit, divert, release, alter the state of, or otherwise affect information technology systems (e.g., network, data, security, software, hardware).

**B. Actual Curtailment Hours.** [RESERVED]

**C. ASN.** Federal Aviation Administration Aeronautical Study Number.

**D. Banked Hours.** [RESERVED]

**E. CFIUS.** Committee on Foreign Investment in the United States.

**F. CFR.** Code of Federal Regulations.

**G. Curtailment.** The cessation of wind turbine operations when the wind turbine blades are not spinning and are locked. Curtailment requires that all of a turbine’s rotor blades be completely precluded from rotation about the rotor hub.

**H. DAF.** The Department of the Air Force, a military department of the United States.

**I. Day.** A calendar day unless indicated otherwise.

**J. DoD.** Department of Defense, an executive department of the United States.

**K. FAA.** Federal Aviation Administration, an agency of the United States Department of Transportation

**L. Fiscal Year.** [RESERVED]

**M. Hour.** [RESERVED]

**N. National Security or Defense Purpose.** An emergency circumstance where the President of the United States, the Secretary of Defense, or a combatant commander under 10 U.S.C. section 164 directs a change to the mission of NORAD in support of emergency circumstances. An emergency circumstance does not include routine changes to the mission of NORAD. A NORAD air defense event falls under this definition.

**O. Project.** The Horizon Hill Wind Project, which will consist of no more than 50 of the 62 wind turbines and no more than two (2) permanent meteorological evaluation towers (MET) identified on Attachment A by ASN or by substitute ASNs submitted in accordance with Section 10.A of this agreement. The two (2) Project METs are to be filed by the Project Owner within 24 months of the execution of this agreement.

**P. Project Owner.** Horizon Hill Wind, LLC, and its successors and assigns.

**Q. Radar Adverse-impact Management (RAM).** The technical process designed to minimize the adverse impact of obstruction interference on a radar system. Involves a visit to the radar site by technicians to adjust applicable radar parameters.

**R. Siting Clearinghouse.** The Military Aviation and Installation Assurance Siting Clearinghouse established pursuant to 10 U.S.C. section 183a.

**S. U.S.C.** United States Code.

### **SECTION 3. MITIGATION WITH VOLUNTARY CONTRIBUTION.**

**A. In General.** This agreement is structured to ensure Project Owner may construct and operate the Project without adversely impacting military operations and readiness. Project Owner agrees to limit the total number of Project wind turbines to no more than 50 wind turbines with a maximum height of 660 feet above ground level (AGL). Project Owner agrees to build no more than two (2) permanent METs with a maximum height of 450 feet AGL. Project Owner agrees to restrict the construction of the wind turbines and METs to the Project area depicted in Attachment B. The specific geographic coordinates outlining the designated Project Area are also provided in Attachment B. Project Owner shall notify NORAD via email (n-nc.peterson.nj3.mbx.norad-j36r-omb@mail.mil) when the Project is within 30-60 days of completion (for RAM scheduling purposes) and again when the Project is complete and operational such that the RAM can actually be accomplished.

**B. Impact Analysis during Test Energy Phase.** [RESERVED]

**C. Voluntary Contribution.** Subject to the terms and conditions of this agreement, Project Owner shall pay to DoD, within 10 days of the operational date of the Project, the amount of \$160,000. DoD will use these funds to offset the cost of measures undertaken by DoD to mitigate adverse impacts of this Project or other energy projects within the meaning of 10 U.S.C. section 183a on military operations and readiness or to conduct studies of potential measures to mitigate such impacts. DoD will accept such payment as a voluntary contribution of funds pursuant to 10 U.S.C. section 183a. Such voluntary contribution may be in addition to voluntary contributions made by other project owners, and such other contributions may be in amounts different from that made by Project Owner. DoD will accept the voluntary contribution on behalf of the DoD parties and will transfer the funds to appropriate accounts. All voluntary contributions shall be paid electronically through Pay.gov.

1. Project Owner shall use one of the following two methods of making payment:

a. ACH Debit (preferred). ACH debit authorizes Pay.gov to request a payment immediately upon processing. Many institutions use ACH debit blocks as a precaution to prevent accidental withdrawals from unauthorized sources. In order to ensure the transaction is not blocked, Project Owner will use DoD's specified ID number as an exception for the debits authorized on the Pay.gov site. The ID for this specific

collection is 00008522Z4.

b. ACH Credit. ACH Credit is a promise to arrange a payment from the promisor's bank account to the agency being paid.

2. To complete a voluntary contribution transaction:

a. Visit the Pay.gov website: <https://www.pay.gov/public/form/start/579188704>.

b. Fill out the form provided on the site.

c. Once submitted, print a copy of the confirmation for your records.

3. Data to include on submittal:

a. Collection Number: 2021TransAltaHorizonHill

b. Description: \$160,000.00

c. For further assistance, visit Pay.gov Web Help section:  
<https://www.pay.gov/WebHelp/HTML/about.html>

DoD Primary POC for voluntary contribution settlement:

Krishna Nekkhalapudi

WHS Financial Management Directorate

4800 Mark Center Drive

Alexandria, VA 22350

Office: 703-545-0048

Email: [krishnachaitanya.nekkhalapudi.civ@mail.mil](mailto:krishnachaitanya.nekkhalapudi.civ@mail.mil)

DoD Alternate POC for voluntary contribution settlement:

Antonio King

WHS Financial Management Directorate

4800 Mark Center Drive

Alexandria, VA 22350

Office: 703-545-0028

Email: [antonio.d.king10.civ@mail.mil](mailto:antonio.d.king10.civ@mail.mil)

The DoD parties agree to provide any information reasonably required by Project Owner to process the payment such that external auditors may verify the payment. Project Owners will notify the Clearinghouse when the contribution has been transmitted.

**D. Amendment of Applications. [RESERVED]**

## **E. Withdrawal of Objections.**

1. Within 10 calendar days of the execution of this agreement, the DoD parties shall deliver to the FAA “No Objections with Provisions” for the ASNs corresponding to the wind turbine locations listed in Attachment A. The “Provisions” will incorporate by reference this agreement, referring to it by its title, the date executed, and its signatories.

2. Project Owner may apply to the FAA for two (2) additional ASNs for METs within 24 months of the execution of this agreement. The DoD parties shall deliver to the FAA “No Objections with Provisions” for the ASNs corresponding to the METs, provided that the total number of METs does not exceed two (2), that the proposed height of the METs does not exceed 450 feet AGL, and a statement is incorporated into FAA’s OE/AAA system into the MET ASNs referencing this agreement, referring to it by its title, the date executed and its signatories. The “Provisions” will incorporate by reference this agreement, referring to it by its title, the date executed, and its signatories.

3. All parties agree that, if Project Owner requests to extend the effective period of FAA’s Determination of No Hazard to Air Navigation in accordance with 14 CFR section 77.35, then the DoD parties agree to deliver to the FAA “No Objections with Provisions” to such an extension as requested, provided that the affected ASNs are listed on Attachment A (as amended, if applicable, in accordance with Section 10.A), do not exceed the maximum heights specified in Section 3.A, and are located within the siting parameters of the Project area specified in Attachment B of this agreement or any amendments to this agreement, that the total number of structures for the Project still does not exceed 50 wind turbines and two (2) METs, and a statement is incorporated into FAA’s OE/AAA system referencing this agreement, referring to it by its title, the date executed and its signatories.

4. The DoD parties agree not to object to the construction and operation of the Project before any federal, state, or local regulatory entity with jurisdiction over the Project (except as provided in sections 6.B and 10.H of this agreement), provided that Project Owner is in material compliance with the terms of this agreement and that Project Owner has disclosed to the DoD parties in writing all material facts necessary to fully assess potential adverse impacts and all material facts relevant to other federal, state, or local regulatory entity jurisdictional matters.

**F. Other Regulatory Actions.** This agreement shall not prevent or limit the DoD parties from communicating in any form with any regulatory body or agency with jurisdiction or possible jurisdiction over matters affecting NORAD or the Vance AFB ASR-11 and Oklahoma City, Oklahoma CARSR beyond the Project.

## **SECTION 4. CURTAILMENT.**

**A. Curtailment for Test Purposes.** [RESERVED]

**B. Curtailment for Training Purposes.** [RESERVED]

**C. Curtailment for a National Security or Defense Purpose.** Upon request by NORAD, Project Owner agrees to immediately curtail wind turbine operations for a national security or defense purpose utilizing the communication protocol set out in Attachment C. Such curtailment may not be requested except for a national security or defense purpose. Curtailment for a national security or defense purpose will be temporary in nature and extend only so long as is absolutely necessary to meet the discrete, temporary, and stated national security or defense purpose. This agreement in no way precludes Project Owner from seeking any available legal remedies for any curtailment associated with a national security emergency other than challenging the curtailment itself. Any request for curtailment under this subsection will be communicated by either DoD party or applicable NORAD Air Defense Sector (ADS) to Project Owner and will include the releasable portions of the President's, the Secretary's, or the combatant commander's mission order.

**D. Curtailment for Establishing Baselines.** [RESERVED]

**E. Wear and Tear.** It is a fundamental premise of this agreement that the limited curtailment expected to be required from this agreement will not cause excess wear and tear on the Project. Project Owner agrees that it is responsible for any damage or wear and tear to the turbines as a result of curtailment (as defined in Section 2.G) pursuant to this agreement.

**F. Disclosure of Curtailment Request.** Project Owner acknowledges that there may be national security considerations associated with any request by NORAD for curtailment in accordance with the terms of this agreement and any curtailment resulting therefrom. Project Owner therefore agrees not to disclose any such request or any curtailment resulting therefrom without the prior consent of DAF, and the DAF agrees that consent to disclose to a business entity with which a non-disclosure agreement is in place will not be unreasonably withheld.

## SECTION 5. REVIEW OF BUSINESS ENTITIES.

**A. Protection of Defense Capabilities.** It is a priority for the DAF to protect national defense capabilities and military operations, including military installations, research, development, test and evaluation activities, and military readiness activities from compromise and exploitation that may occur due to an activity under foreign control operating in the vicinity of those national defense capabilities and military operations.

### **B. Advance Notice.**

1. Project Owner shall provide advance written notice to the DAF of the following:
  - a. The names of entities or persons having a direct ownership interest in the Project.
  - b. The names of the material vendors, entities, and persons with which Project Owner will potentially execute contracts to perform construction, supply turbines, or conduct operations activities at the location of the Project.

c. The names of any foreign entities or persons being allowed to access the wind turbine structures and associated data systems.

2. For those entities or persons identified under paragraph 5.B.1.a and 5.B.1.b, the DAF agrees to identify to Project Owner, no later than 30 days after the effective date of this agreement, any entity or person posing a security concern. For those entities or persons identified under paragraph 5.B.1.c, the DAF agrees to identify to Project Owner, no later than 30 days after the receipt of the name of any foreign entity or person being allowed to access the wind turbines and associated data systems, any entity or person posing a security concern. Project Owner agrees to enter into negotiations with the DoD parties in order to mitigate any such concern. Any such security concern must be resolved prior to allowing access to the site by such persons or representatives of such entities or the use of wind turbines or other permanent on-site equipment manufactured by such entity.

3. Project Owner agrees to provide advance written notice to the DAF of Project Owner's use of any material vendor not previously screened pursuant to this section. The term "material" used in this subsection means "significant, influential, or relevant." Project Owner shall allow the DAF 30 days following such a notice to conduct a security review and assess any security concern. Project Owner will provide advance written notice of a potential new material vendor but need not wait 30 days if an unexpected situation arises for which employing services or vendors immediately is prudent for the operation of the Project.

## SECTION 6. ASSIGNMENT.

**A. Right to Assign.** This agreement shall be binding upon Project Owner and its successors and assigns. If Project Owner and its successors or assigns (assignors) elect to sell, convey, mortgage, assign, or otherwise transfer all or any part of its interests and obligations in the assets comprising the Project (assignment) to any third party (assignee), assignor shall cause such assignee to expressly acknowledge the existence of this agreement. The assignor shall provide a copy of this agreement to the assignee. The assignee shall provide new point of contact information (as in Section 8) to the DoD parties.

**B. Notice of Assignment to CFIUS.** If the prospective assignee is a foreign national or foreign-owned or -controlled business entity, assignor and the proposed assignee shall jointly provide notice of the proposed transaction to CFIUS in accordance with applicable regulations (subpart D of 31 CFR part 800) and provide a copy of the notice to the DAF. Nothing in this agreement shall prohibit or limit DoD from objecting to the transaction before CFIUS, nor limit communications with CFIUS during national security reviews and investigations, and, should mitigation result, during mitigation, tracking, and post-consummation monitoring and enforcement, pursuant to applicable statutes and regulations.

**C. Effect of Assignment.** Upon an assignment, assignor shall be relieved of any obligations or liabilities under this agreement to the extent that the assignee has assumed in writing such

obligations or liabilities and provided that Project Owner has provided a copy of the assignment, including the assumption of obligations and liabilities, to the DoD parties.

## SECTION 7. EFFECTIVE DATE AND EXPIRATION.

**A. Effective Date.** This agreement becomes effective on the date when all parties have signed it.

**B. Expiration.** This agreement shall expire and have no further force and effect upon the occurrence of the earlier of the following:

1. Construction of the Project has not commenced within the time prescribed under 14 CFR sections 77.33 and 77.35.
2. The Project is decommissioned.
3. Vance AFB ASR-11 and Oklahoma City, Oklahoma CARSR permanently cease operations. However, if the current radars are replaced with a radar system that has similar needs for mitigation, then this agreement shall not expire.
4. Termination of the agreement by written mutual agreement of the parties.

**C. Actions Prior to Expiration.** Any activities engaged in by the parties (including the expenditure of part or all of any voluntary contribution) that occurred prior to expiration of this agreement shall remain valid and continue in effect, notwithstanding the expiration of the agreement.

## SECTION 8. POINTS OF CONTACT AND NOTIFICATION.

**A. Points of Contact (POCs).** The following persons shall be the primary POCs for the parties for purposes of this agreement. Any notice, request, or other communication to be provided pursuant to this agreement shall be delivered to the POCs. Any party may change its POC by providing written notification of the change to the other parties at least 30 days in advance of the change taking effect.

1. DoD.
  - a. Executive Director, Military Aviation and Installation Assurance Siting Clearinghouse, 3400 Defense Pentagon, Room 5C646, Washington, DC 20301-3400
  - b. Headquarters NORAD Radar Analysis Branch, 250 Vandenberg Street, Ste B016, Peterson AFB, CO, 80914, n-nc.peterson.nj3.mbx.norad-j36r-omb@mail.mil
2. DAF. Director, Air Force Mission Sustainment, Office of the Assistant Secretary of



the Air Force for Energy, Installations, and Environment, 1665 Air Force Pentagon, Room 4B941, Washington, DC 20330-1665, SAF.IEI.Encroachment@us.af.mil

3. Project Owner. TransAlta Corporation, 110 12th Avenue Southwest, PO Box 1900, Station "M" Calgary, Alberta T2P 2M1, Attention: Chad Macy, Chad\_Macy@transalta.com

**B. Notification.** Any written notice shall be sent by registered or certified mail, postage prepaid, sent by a nationally recognized overnight delivery service that provides a receipt for delivery, or hand delivered. A notice shall be deemed received when delivered to the recipient's address.

### **SECTION 9. BREACH AND DISPUTE RESOLUTION.**

If a party believes that another party has breached this agreement, it shall provide written notice of the breach within 30 days of discovery of the breach to all other parties and provide the breaching party a reasonable opportunity (but in all cases at least 30 days from delivery of such notice) to cure the breach. Failure to provide notice within such 30-day period only waives the rights with respect to the periods from after the expiration of such 30-day period and until the date when the notice was given. If there is a dispute between the involved parties as to whether a breach occurred, the involved parties agree to attempt to resolve the dispute beginning with Project Owner and representatives of the DAF and NORAD. Disputes may be elevated, on the part of the DoD parties, to the DAF headquarters and then to the Executive Director of the Siting Clearinghouse. If the breach is not cured or resolved after this initial dispute resolution process, any party may seek to enforce this agreement. Each party specifically reserves any and all rights or causes of action it may have either at law or in equity to require compliance with any provision of this agreement. Each party reserves the right to enforce or refrain from enforcing against another party the terms of this agreement as it sees fit and failure to enforce does not act to excuse future breaches.

### **SECTION 10. GENERAL PROVISIONS.**

**A. Amendments.** Any party to this agreement may request that it be amended, whereupon the parties agree to consult to consider such amendments. Any amendment to this agreement shall become effective when signed by all of the parties unless its terms provide for a different effective date. Amendments only providing substitute ASNs within the Project boundary, with no change to height or total numbers of Project wind turbines and METs as set forth in Section 3.A of this agreement, need only be signed by the DAF's and Project Owner's designated Project officers if filed with FAA within 12 months of the effective date of this agreement.

**B. Integration.** This agreement contains the entire agreement and understanding between the parties with respect to all of the subject matter contained herein, thereby merging and superseding all prior agreements and representations by the parties with respect to such subject matter.

**C. Governing Law.** This agreement shall be governed by and construed in accordance with the laws of the United States and the State of Oklahoma, as may be applicable.

**D. Interpretation.** In the event an ambiguity or question of intent or interpretation arises, this agreement shall be construed as if drafted jointly by the parties and no presumption or burden of proof shall arise favoring or disfavoring any party by virtue of authorship of any of the provisions of this agreement. Any reference to any Federal, state, interstate, local, or foreign statute or law shall be deemed also to refer to all rules and regulations promulgated thereunder, as they may have been amended from time to time, unless the context requires otherwise.

**E. Headings and Titles.** The headings or section titles contained in this agreement are inserted solely for convenience and do not constitute a part of this agreement between the parties, nor should they be used to aid in any manner in the construction of this agreement.

**F. Severability.** If any term, provision, or condition of this agreement is held to be invalid, void, or unenforceable by a governmental authority and such holding is not or cannot be appealed further, then such invalid, void, or unenforceable term, provision, or condition shall be deemed severed from this agreement and all remaining terms, provisions, and conditions of this agreement shall continue in full force and effect. The parties shall endeavor in good faith to replace such invalid, void, or unenforceable term, provision, or condition with valid and enforceable terms, provisions, or conditions that achieve the purpose intended by the parties to the greatest extent permitted by law.

**G. Waivers; Remedies Cumulative.** There is no implied waiver of rights under this agreement. No failure or delay on the part of a party in exercising any of its rights under this agreement or in insisting upon strict performance of provisions of this agreement, no partial exercise by either party of any of its rights under this agreement, and no course of dealing between the parties shall constitute a waiver of the rights of any party under this agreement, other than the requirement to raise a matter of breach within 30 days of discovery. Any waiver shall be effective only by a written instrument signed by the party granting such waiver, and such waiver shall not operate as a waiver of, or estoppel with respect to, any subsequent failure to comply with this agreement. The remedies provided in this agreement are cumulative and not exclusive of any remedies provided by law.

**H. CFIUS.** Nothing in this agreement shall relieve Project Owner or its successors or assigns from complying with 31 CFR part 800 (Mergers, Acquisitions, and Takeovers by Foreign Persons) nor prevent or limit the parties from communicating in any form with CFIUS.

**I. Anti-Deficiency.** For the DoD parties, this agreement is subject to the availability of appropriated funds and sufficient resources. No provision in this agreement shall be interpreted to require obligation or payment of funds in violation of the Anti-Deficiency Act, 31 U.S.C. section 1341.

**J. Disclosure.** The parties may freely disclose this agreement with any person or entity. DoD will post the agreement on the Siting Clearinghouse website. Project Owner may mark any part of any document it believes to be proprietary or competition sensitive and that it wants DoD

or the DAF to exempt from disclosure. The DoD parties will only disclose any such marked information in accordance with the provisions of 5 U.S.C. section 552 (the Freedom of Information Act).

**K. No Third-Party Beneficiaries.** Nothing in this agreement, express or implied, is intended to give to, or shall be construed to confer upon, any person not a party any remedy or claim under or by reason of this agreement. This agreement shall be for the sole and exclusive benefit of the parties and their respective successors and assigns.

**L. Full and Complete Satisfaction.** The completion of the obligations of each of the parties under this agreement constitute the full and complete satisfaction of those obligations.

**M. Other Federal Agencies.** This agreement does not bind any Federal agency, other than the DoD parties, nor waive required compliance with any law or regulation.

**N. Completion of Construction.** Within 60 days of the completion of construction of the Project, Project Owner shall deliver to DoD copies of the FAA form 7460-2 for each ASN, including the final coordinates for each turbine erected.

**O. Grid Operator Protocols.** Project Owner shall disclose this curtailment requirement to the grid operator and shall comply with the mitigation agreement's curtailment provisions, including requesting waivers from the grid operator if grid protocols would interfere with this mitigation agreement.

*[Continued on the following page]*

**P. Signature/Counterparts.** The parties represent and warrant that the signatories below have authority to sign on behalf of and bind each respective party, and that no other signature is required to bind that party. This agreement may be executed in several counterparts, each of which shall be deemed an original, all of which shall constitute but one and the same instrument.

**IN WITNESS WHEREOF**, the parties have executed and delivered this agreement.

**FOR THE DEPARTMENT OF DEFENSE**

\_\_\_\_\_  
Michael McAndrew  
Performing the Duties of Assistant Secretary of  
Defense (Sustainment)

\_\_\_\_\_  
Date

**FOR THE DEPARTMENT OF THE AIR FORCE**


MORIARTY.ROB  
ERT.E.10132675  
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ROBERT E. MORIARTY, P.E.  
Deputy Assistant Secretary of the Air Force  
(Installations)

Digitally signed by  
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Date

**FOR HORIZON HILL WIND, LLC**

  
\_\_\_\_\_  
Kelly Wist  
Managing Director, Renewable Development

28 July 2021

\_\_\_\_\_  
Date

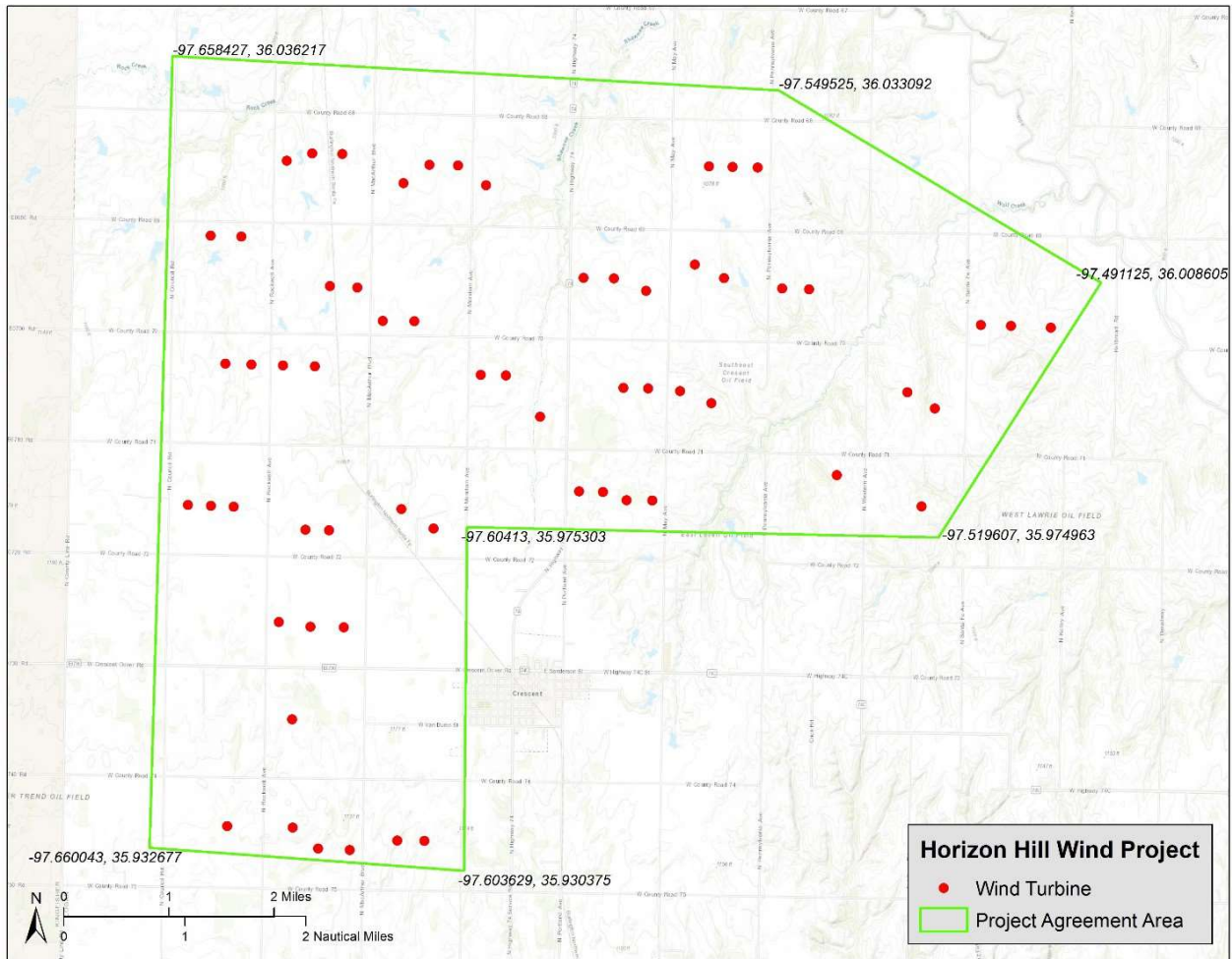
**ATTACHMENT A**  
Federal Aviation Administration Filings

ASN	Str. Type	City	State	AGL	Latitude	Longitude
2021-WTW-1519-OE	Wind Turbine	Crescent	OK	660'	35.9776	-97.6542
2021-WTW-1520-OE	Wind Turbine	Crescent	OK	660'	35.9775	-97.6501
2021-WTW-1521-OE	Wind Turbine	Crescent	OK	660'	35.9775	-97.6460
2021-WTW-1522-OE	Wind Turbine	Crescent	OK	660'	35.9746	-97.6331
2021-WTW-1523-OE	Wind Turbine	Crescent	OK	660'	35.9746	-97.6288
2021-WTW-1524-OE	Wind Turbine	Crescent	OK	660'	35.9961	-97.6479
2021-WTW-1525-OE	Wind Turbine	Crescent	OK	660'	35.9961	-97.6432
2021-WTW-1526-OE	Wind Turbine	Crescent	OK	660'	35.9960	-97.6376
2021-WTW-1527-OE	Wind Turbine	Crescent	OK	660'	35.9960	-97.6319
2021-WTW-1528-OE	Wind Turbine	Crescent	OK	660'	36.0065	-97.6294
2021-WTW-1529-OE	Wind Turbine	Crescent	OK	660'	36.0064	-97.6245
2021-WTW-1530-OE	Wind Turbine	Crescent	OK	660'	36.0021	-97.6198
2021-WTW-1531-OE	Wind Turbine	Crescent	OK	660'	36.0021	-97.6141
2021-WTW-1532-OE	Wind Turbine	Crescent	OK	660'	36.0128	-97.6509
2021-WTW-1533-OE	Wind Turbine	Crescent	OK	660'	36.0128	-97.6455
2021-WTW-1534-OE	Wind Turbine	Crescent	OK	660'	36.0228	-97.6375
2021-WTW-1535-OE	Wind Turbine	Crescent	OK	660'	36.0238	-97.6330
2021-WTW-1536-OE	Wind Turbine	Crescent	OK	660'	36.0201	-97.6166
2021-WTW-1537-OE	Wind Turbine	Crescent	OK	660'	36.0226	-97.6119
2021-WTW-1538-OE	Wind Turbine	Crescent	OK	660'	36.0225	-97.6068
2021-WTW-1539-OE	Wind Turbine	Crescent	OK	660'	36.0238	-97.6276
2021-WTW-1540-OE	Wind Turbine	Crescent	OK	660'	36.0200	-97.6017
2021-WTW-1541-OE	Wind Turbine	Crescent	OK	660'	36.0071	-97.5435
2021-WTW-1542-OE	Wind Turbine	Crescent	OK	660'	36.0072	-97.5483
2021-WTW-1543-OE	Wind Turbine	Crescent	OK	660'	36.0084	-97.5587
2021-WTW-1544-OE	Wind Turbine	Crescent	OK	660'	36.0066	-97.5727
2021-WTW-1545-OE	Wind Turbine	Crescent	OK	660'	36.0081	-97.5839
2021-WTW-1546-OE	Wind Turbine	Crescent	OK	660'	36.0101	-97.5640
2021-WTW-1547-OE	Wind Turbine	Crescent	OK	660'	36.0081	-97.5785
2021-WTW-1548-OE	Wind Turbine	Crescent	OK	660'	35.9920	-97.5606
2021-WTW-1549-OE	Wind Turbine	Crescent	OK	660'	35.9935	-97.5663
2021-WTW-1550-OE	Wind Turbine	Crescent	OK	660'	35.9938	-97.5765
2021-WTW-1551-OE	Wind Turbine	Crescent	OK	660'	35.9952	-97.5976
2021-WTW-1552-OE	Wind Turbine	Crescent	OK	660'	35.9952	-97.6021
2021-WTW-1553-OE	Wind Turbine	Crescent	OK	660'	35.9938	-97.5720
2021-WTW-1554-OE	Wind Turbine	Crescent	OK	660'	35.9792	-97.5709

<b>ASN</b>	<b>Str. Type</b>	<b>City</b>	<b>State</b>	<b>AGL</b>	<b>Latitude</b>	<b>Longitude</b>
2021-WTW-1555-OE	Wind Turbine	Crescent	OK	660'	35.9792	-97.5756
2021-WTW-1556-OE	Wind Turbine	Crescent	OK	660'	35.9802	-97.5798
2021-WTW-1557-OE	Wind Turbine	Crescent	OK	660'	35.9802	-97.5841
2021-WTW-1558-OE	Wind Turbine	Crescent	OK	660'	35.9899	-97.5913
2021-WTW-1559-OE	Wind Turbine	Crescent	OK	660'	35.9750	-97.6101
2021-WTW-1560-OE	Wind Turbine	Crescent	OK	660'	35.9775	-97.6159
2021-WTW-1561-OE	Wind Turbine	Crescent	OK	660'	35.9619	-97.6259
2021-WTW-1562-OE	Wind Turbine	Crescent	OK	660'	35.9619	-97.6319
2021-WTW-1563-OE	Wind Turbine	Crescent	OK	660'	35.9625	-97.6375
2021-WTW-1564-OE	Wind Turbine	Crescent	OK	660'	35.9498	-97.6348
2021-WTW-1565-OE	Wind Turbine	Crescent	OK	660'	35.9356	-97.6344
2021-WTW-1566-OE	Wind Turbine	Crescent	OK	660'	35.9329	-97.6298
2021-WTW-1567-OE	Wind Turbine	Crescent	OK	660'	35.9328	-97.6241
2021-WTW-1568-OE	Wind Turbine	Crescent	OK	660'	35.9342	-97.6156
2021-WTW-1569-OE	Wind Turbine	Crescent	OK	660'	35.9342	-97.6108
2021-WTW-1570-OE	Wind Turbine	Crescent	OK	660'	35.9357	-97.6462
2021-WTW-1571-OE	Wind Turbine	Crescent	OK	660'	36.0026	-97.4999
2021-WTW-1572-OE	Wind Turbine	Crescent	OK	660'	36.0028	-97.5071
2021-WTW-1573-OE	Wind Turbine	Crescent	OK	660'	36.0028	-97.5125
2021-WTW-1574-OE	Wind Turbine	Crescent	OK	660'	35.9918	-97.5206
2021-WTW-1575-OE	Wind Turbine	Crescent	OK	660'	35.9939	-97.5255
2021-WTW-1576-OE	Wind Turbine	Crescent	OK	660'	35.9829	-97.5379
2021-WTW-1577-OE	Wind Turbine	Crescent	OK	660'	35.9790	-97.5227
2021-WTW-1578-OE	Wind Turbine	Crescent	OK	660'	36.0229	-97.5530
2021-WTW-1579-OE	Wind Turbine	Crescent	OK	660'	36.0230	-97.5575
2021-WTW-1580-OE	Wind Turbine	Crescent	OK	660'	36.0230	-97.5618
<i>To Be Filed</i>	MET	Crescent	OK	450'	<i>TBD</i>	<i>TBD</i>
<i>To Be Filed</i>	MET	Crescent	OK	450'	<i>TBD</i>	<i>TBD</i>

## ATTACHMENT B

### Horizon Hill Wind Project Map and Project Area Coordinates



### Project Area Coordinates

Point	Latitude	Longitude
1	35.9304	-97.6036
2	35.9327	-97.6600
3	36.0362	-97.6584
4	36.0331	-97.5495
5	36.0086	-97.4911
6	35.9750	-97.5196
7	35.9753	-97.6041

**ATTACHMENT C**  
Curtailed Communications Protocol

**Section 1. Notices.** The following persons shall be the primary points of contact (POCs) for the parties for purposes of administering this agreement. Any party may change its POC by providing written notification of the change to the other parties at least 30 days in advance of the change taking effect.

A. DoD.

1. Executive Director, Military Aviation and Installation Assurance Siting Clearinghouse, 3400 Defense Pentagon, Room 5C646, Washington, DC 20301-3400

2. Headquarters NORAD Radar Analysis Branch, 250 Vandenberg Street, Ste B016, Peterson AFB, CO, 80914, n-nc.peterson.nj3.mbx.norad-j36r-omb@mail.mil

B. DAF. Director, Air Force Mission Sustainment, Office of the Assistant Secretary of the Air Force for Energy, Installations, and Environment, 1665 Air Force Pentagon, Room 4B941, Washington, DC 20330-1665, SAF.IEI.Encroachment@us.af.mil

C. Project Owner. TransAlta Corporation, 110 12th Avenue Southwest, PO Box 1900, Station "M" Calgary, Alberta T2P 2M1, Attention: Chad Macy, Chad\_Macy@transalta.com

**Section 2. Criteria for Curtailment.** The parties agree that the following protocol will be used for communication between Project Owner and NORAD in the event curtailment of wind turbine operations will occur under circumstances delineated in Section 4 of the main agreement.

**Section 3. Communications Protocol for a National Security or Defense Purpose.** Under circumstances described in Section 4.C of the main agreement, the applicable NORAD Air Defense Sector (ADS) will call the Project operations center (TransAlta Wind Control Centre) at (403) 899-5701 or (403) 627-2742 and request immediate curtailment. Advance notification is unlikely due to the unpredictable and dynamic nature of NORAD air defense events. The applicable NORAD ADS will call the Project operations center as soon as possible after the air defense event is terminated and curtailment is no longer required.