

From: Pries, Alex <alex.pries@stantec.com>
Sent: Wednesday, August 5, 2020 12:38 PM
To: Henderson, Carol; Jean-Francois Latour; Gravel, Adam
Cc: Houghton, Sandra
Subject: RE: 8/4/2020: Fatality Reporting: Antrim Wind Energy

EXTERNAL EMAIL:

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Hi Carol,

Yes, to date there have been a total of 3 fatalities of NH-listed bat species. My records show:

- 1) 6/15/2020 @ Turbine 9: Eastern small-footed bat
- 2) 6/26/2020 @ Turbine 1: Little brown bat
- 3) 8/4/2020 @ Turbine 9: Little brown bat

As you know, and per the BBCS, Antrim Wind Energy (AWE) began their bat curtailment evaluation study on July 15th. Per the BBCS, 5 of the 9 turbines are curtailed at cut-in speeds of 5.0 m/s (Turbines 1, 2, 5, 7, 8), with the remaining functioning as the control group (Turbines 3, 4, 6, 9) operating at normal cut-in speeds of 3.5 m/s.

We (Stantec) are actively tracking fatality information, along with data from nacelle-height bat detectors, weather data, and turbine operations, to complete the baseline evaluation. Weather data includes temperature, wind, and major weather event information. After the monitoring season ends (October 15th), the goal is to use these data in a scientific manner to identify the Project's risk factors for bats and develop effective avoidance and minimization measures. The results from this evaluation will be shared with NHFGD and guide discussions. At this point, in 2021 AWE is contemplating bat curtailment below certain nightly wind speeds at all turbines. However, before committing to this, the completion of the smart curtailment evaluation study as initially planned is required.

I hope this context is useful and provides NHFGD with assurance that the Project is taking biological monitoring and risk assessment seriously.

Best,
Alex

-----Original Message-----

From: Henderson, Carol <Carol.Henderson@wildlife.nh.gov>
Sent: Wednesday, August 5, 2020 8:37 AM
To: Pries, Alex <Alex.Pries@stantec.com>
Subject: Re: 8/4/2020: Fatality Reporting: Antrim Wind Energy

thank you Alex. I believe that is a total of 3 bat mortalities to date, correct? Were they all at Turbine 9? I could check my files but I figured it would be fresh in your mind. Thanks, Carol

From: Pries, Alex <Alex.Pries@stantec.com>
Sent: Tuesday, August 4, 2020 7:26 PM
To: Henderson, Carol; Houghton, Sandra

Cc: Gravel, Adam; Jean-Francois Latour (JeanFrancois_Latour@transalta.com)
Subject: RE: 8/4/2020: Fatality Reporting: Antrim Wind Energy

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Please note the error in the date stamp of the original email in the timeline below. Now corrected with red text.

Apologies!

From: Pries, Alex
Sent: Tuesday, August 4, 2020 7:23 PM
To: Henderson, Carol <Carol.Henderson@wildlife.nh.gov>; Houghton, Sandra <Sandra.Houghton@wildlife.nh.gov>
Cc: Gravel, Adam <adam.gravel@stantec.com>; Jean-Francois Latour (JeanFrancois_Latour@transalta.com) <jeanfrancois_latour@transalta.com>
Subject: 8/4/2020: Fatality Reporting: Antrim Wind Energy

Carol and Sandra,

Per the language of Antrim Wind Energy's Bird and Bat Conservation Strategy (BBCS), reporting of a fatality of a state and/or federally listed species is required within 48 hours of discovery. This email provides notification to NHFGD of a discovery in compliance with the BBCS.

Species: Little Brown Bat (*Myotis lucifugus*; NH-endangered). Species ID was based on current field photos, forearm measurements, presence of an unkeeled calcar, and presence of toe hairs that extend past the toenails. Adult of unknown sex/reproductive status (unable to determine due to level of scavenging)

General Location: Turbine 9 (43.0431; -72.0240)

Specific Location: Found 6m E (84 degrees) of T9 in straw near base of turbine.

When: Tuesday, August 4, 2020, 8:35 AM

Incident Timeline:

- * Field technician emailed PM with discovery: 6/26/2020 8/4/2020 at 11:37AM
- * PM forwarded email with photographs and measurements to Senior Biologists for ID at 11:43AM
- * Senior Biologists made request for more photos to confirm ID at 11:55AM and 12:37PM.
- * Senior Biologists made final ID based on photos, forearm measures, unkeeled calcar, and toe hairs at 1:11PM.

Key Observations: Forearm length of 38mm, unkeeled calcar, and observation of long hairs on toes.

Current Location: At O&M Facility within locked freezer.

Best,
Alex

Alex Pries

Environmental Scientist

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