

**APPENDIX A. CURTAILMENT STRATEGY FOR OPTION 1 BY LOCATION AND DATE.** Depicts the curtailment wind speeds in miles per hour (mph; meters per second (m/s)) described under Option 1 of the Land-based Wind Energy Avoidance Guidance for Tricolored Bat (*Perimyotis subflavus*) by state, part of the range (if applicable), date, and whether the project has summer risk<sup>1</sup> (highlighted in gray). Turbines should be feathered below the curtailment wind speeds starting 30 minutes before sunset to 30 minutes after sunrise when temperatures are above 40°F<sup>2</sup>. If no curtailment is described during a time (e.g., N/A) no curtailment is required<sup>3</sup>. Projects may choose to operate at a more streamlined approach<sup>4</sup>, if project(s) want to reduce the number of curtailment threshold modifications implemented over a given year.

State	Jan 1 - Mar 14	Mar 15- 31	Apr 1 - 14	Apr 15 - 30	May 1-14	May 15- 31 <sup>1</sup>	Jun 1 - Jul 14 <sup>1</sup>	Jul 15 - 31	Aug 1 - Sept 30	Oct 1 - 31	Nov 1 - 15	Nov 16 - Dec 31
Alabama: Hibernating Range	N/A	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Alabama: Year-round Active Range (Zone 1 and 2)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		15.4 mph (6.9 m/s)
Arkansas	N/A	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Colorado	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Connecticut	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	
Delaware	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
District of Columbia	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A

<sup>1</sup> If the project does not have summer risk (i.e., did not detect or capture tricolored bats during a P/A survey), the project should feather turbines below the manufacturer's cut-in speeds during this period (i.e., May 15 – July 14). If the project has summer risk, turbines should be feathered below the cut-in speeds provided in the table.

<sup>2</sup> Temperature should be measured at the nacelle.

<sup>3</sup> A facility may operate at either the manufacturer's cut-in speed or uncurtailed (i.e., turbine blades can rotate freely at any windspeed and are not feathered).

<sup>4</sup> The streamlined approach would require projects to feather turbines below 12.3 mph (5.5 m/s) from March 15 – July 14, 15.4 mph (6.9 m/s) from July 15 – September 30, and 5.0 m/s from October 1 – November 15. The specific timing of curtailment will be dependent on the project location (see below). If a project does not have summer risk, it can operate at manufacturers cut-in speeds from May 15 – July 14. Year-round active zones will need to use a curtailment speed of 6.9 m/s from November 16 – March 14.

State	Jan 1 - Mar 14	Mar 15- 31	Apr 1 - 14	Apr 15 - 30	May 1-14	May 15- 31 <sup>1</sup>	Jun 1 - Jul 14 <sup>1</sup>	Jul 15 - 31	Aug 1 - Sept 30	Oct 1 – 31	Nov 1 - 15	Nov 16 - Dec 31
Florida	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		15.4 mph (6.9 m/s)
Georgia: Hibernating Range	N/A	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Georgia: Year-round Active Range (Zone 1 and 2)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		15.4 mph (6.9 m/s)
Illinois	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Indiana	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Iowa	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Kansas	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Kentucky	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Louisiana: Year-round Active Range (Zone 1 and 2)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		15.4 mph (6.9 m/s)
Maine	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	
Maryland	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Massachusetts	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	

State	Jan 1 - Mar 14	Mar 15- 31	Apr 1 - 14	Apr 15 - 30	May 1-14	May 15- 31 <sup>1</sup>	Jun 1 - Jul 14 <sup>1</sup>	Jul 15 - 31	Aug 1 - Sept 30	Oct 1 – 31	Nov 1 - 15	Nov 16 - Dec 31
Michigan (Outside Indiana Bat Range)	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	
Michigan (Within Indiana Bat Range)	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Minnesota	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	
Mississippi: Hibernating Range	N/A	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Mississippi: Year- round Active Range (Zone 1 and 2)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		15.4 mph (6.9 m/s)
Missouri	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Montana	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	
Nebraska	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
New Hampshire	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	
New Jersey	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
New Mexico: Hibernating Range	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
New Mexico: Year- round Active Range (Zone 1 and 2)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		15.4 mph (6.9 m/s)

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New York	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	
North Carolina: Hibernating Range	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
North Carolina: Year- round Active Range (Zone 1)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		15.4 mph (6.9 m/s)
North Dakota	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	
Ohio	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Oklahoma	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Pennsylvania	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Rhode Island	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	
South Carolina: Hibernating Range	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
South Carolina: Year- round Active Range (Zone 1)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		15.4 mph (6.9 m/s)
South Dakota (Black Hills)	N/A				12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	N/A		
South Dakota (Plains)	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	

State	Jan 1 - Mar 14	Mar 15- 31	Apr 1 - 14	Apr 15 - 30	May 1-14	May 15- 31 <sup>1</sup>	Jun 1 - Jul 14 <sup>1</sup>	Jul 15 - 31	Aug 1 - Sept 30	Oct 1 – 31	Nov 1 - 15	Nov 16 - Dec 31
Tennessee	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Texas: Hibernating Range	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Texas: Year-round Active Range (Zone 1 and 2)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		15.4 mph (6.9 m/s)
Vermont	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	
Virginia: Hibernating Range	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Virginia: Year-round Active Range (Zone 1)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)			12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		15.4 mph (6.9 m/s)
West Virginia	N/A		11.2 mph (5.0 m/s)		12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)		N/A
Wisconsin	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	
Wyoming (Black Hills)	N/A				12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	N/A		
Wyoming (Plains)	N/A			11.2 mph (5.0 m/s)	12.3 mph (5.5 m/s)	12.3 mph (5.5 m/s)	11.2 mph (5.0 m/s)	13.4 mph (6.0 m/s)	15.4 mph (6.9 m/s)	11.2 mph (5.0 m/s)	N/A	