

Supplemental Information “Multiple Mortality Events in Bats: A Global Review”, *Mammal Review* 2016, O’Shea, Cryan, Hayman, Plowright, Streicker.

We provide summaries of pertinent details regarding multiple mortality events of bats in a series of nine appendices. Appendix S10 lists all references cited in Appendices S1-S9. Events are given by region alphabetically, then chronologically within regions. The number of events entered into tallies are given in parentheses under the “Description” column. We attempted to be conservative in designating numbers of events. Unfortunately not all sources provide enough information to allow accurate judgments in each case. Generally we considered events extending over multiple years as one event per year, and events observed at more than one dispersed location as separate events. We considered events impacting more than one species of bat as separate events for each species, unless there was insufficient information on numbers per species. Events with insufficient information for each species were treated as single events. Scientific names follow Simmons (2005) in Wilson and Reeder’s (2005) *Mammal Species of the World*, 3rd edition (<http://www.vertebrates.si.edu/msw/mswcfapp/msw/index.cfm>), with the exceptions of *Myotis escalerai* (Ibáñez *et al.* 2006), *Perimyotis subflavus*, and *Parastrellus hesperus* (Hooper *et al.* 2006).

Appendix S6. Reports of multiple bat deaths due to fatal interactions with the blades of industrial wind turbines. Events are tallied based on raw carcass counts. The higher estimated rates of mortality also are provided in many cases. These higher estimates are made after statistical corrections for detectability, carcass persistence rates, and observer bias by authors of original sources. These corrections have been based on different theoretical approaches and assumptions and may be subject to improvement (see, for example, Huso 2011, Bastos *et al.* 2013, Korner-Nievergelt *et al.* 2013, Peron *et al.* 2013, Santos *et al.* 2013, Huso *et al.* 2015).

Region and Species	Date	Description	Location	Source	Case
<i>Africa</i>					
<i>Neoromicia capensis</i> , <i>Tadarida aegyptiaca</i>	Mar 2011- Mar 2012	Found 18 bat carcasses under a single turbine. (1 event)	Nelson Mandela Bay Municipality, South Africa	Doty & Martin 2013	S6-1
<i>Australia</i>					
<i>Tadarida australis</i>	1967-1971	Found 22 bat carcasses beneath “Dunlite wind-driven generators”. (ca. 2 events)	Northwestern New South Wales, Australia	Hall & Richards 1974	S6-2
<i>Europe</i>					

Unspecified	Mar 2000- Mar 2001	Estimated mortality of 749 bats annually at 10 wind farms with 400 turbines. (0 events)	Navarre, Spain	Petri & Munilla 2002	S6-4
<i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>Nyctalus noctula</i>	2001-2003	Found 36 bat carcasses at 1 facility. (1 event)	Brandenburg, Germany	Dürr pers comm in Rodrigues <i>et al.</i> 2008	S6-5
<i>Eptesicus nilssonii</i> , <i>Vespertilio murinus</i> , <i>Nyctalus noctula</i> , <i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>P. pygmaeus</i>	Aug-Oct 2002	Found 17 bat carcasses beneath 160 wind turbines. (0 events)	Gotland, Öland, Blekinge and Skåne provinces in southeastern Sweden.	Ahlén 2002, 2003	S6-6
<i>Nyctalus leisleri</i> , <i>N. noctula</i> , <i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>others</i>	Aug-Oct 2002	Found 34 bat carcasses at a 10-turbine facility. (2 events).	Oberlausitz, Puschwitz, Sachsen, Germany	Trapp et al. 2002	S6-7
<i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>P. spp.</i> , <i>Eptesicus serotinus</i> , <i>Nyctalus noctula</i>	Jul-Sep 2003	Found 14 bat carcasses at a 4-turbine facility. (1 event)	Tralau, Schleswig-Holstein, Germany	Göttsche & Göbel 2007	S6-8
<i>Nyctalus noctula</i>	Sep 2003- Sep 2004	Found 13 bat carcasses at an 8-turbine facility. (1 event)	Prellenkirchen, Niederösterreich, Austria	Traxler et al. 2004	S6-9
<i>Pipistrellus kuhlii</i> , <i>P. pipistrellus</i> , <i>P. nathusii</i> , <i>P. spp.</i> , <i>Eptesicus serotinus</i> , <i>Nyctalus noctula</i>	2003-2006	Found 15 bat carcasses in 2003, 25 in 2004, 21 in 2005, and 16 in 2006 at an 8-turbine facility. Estimated mortality of 152 bats each year. (4 events)	Bouin, Vendée, France	Dulac 2008, 2010	S6-10

<i>Nyctalus noctula</i> , <i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>others</i>	Jun-Oct 2004	Estimated mortality of 46 deaths per year at 1 facility with 10 turbines. (0 events)	Puschwitz, Sachsen, Germany	Endl <i>et al.</i> 2004 unpublished report in Rydell <i>et al.</i> 2010	S6-11
<i>Nyctalus noctula</i> , <i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>others</i>	Jun-Oct 2004	Estimated mortality of 23 deaths per year at 1 facility with 5 turbines. (0 events)	Baeyerhöhe, Sachsen, Germany	Endl <i>et al.</i> 2004 unpublished report in Rydell <i>et al.</i> 2010	S6-12
<i>Nyctalus noctula</i> , <i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>others</i>	Jun-Oct 2004	Estimated mortality of 22 deaths per year at 1 facility with 17 turbines. (0 events)	Wendischbora, Sachsen, Germany	Endl <i>et al.</i> 2004 unpublished report in Rydell <i>et al.</i> 2010	S6-13
<i>Nyctalus noctula</i> , <i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>others</i>	Jun-Oct 2004	Estimated mortality of 20 deaths per year at 1 facility with 18 turbines. (0 events)	Ludwigsdorf, Sachsen, Germany	Endl <i>et al.</i> 2004 unpublished report in Rydell <i>et al.</i> 2010	S6-14
<i>Nyctalus noctula</i> , <i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>others</i>	Jun-Oct 2004	Estimated mortality of 18 deaths per year at 1 facility with 7 turbines. (0 events)	Melaune, Sachsen, Germany	Endl <i>et al.</i> 2004 unpublished report in Rydell <i>et al.</i> 2010	S6-15
<i>Nyctalus noctula</i> , <i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>others</i>	Jun-Oct 2004	Estimated mortality of 13 deaths per year at 1 facility with 7 turbines. (0 events)	Reichenbach, Sachsen, Germany	Endl <i>et al.</i> 2004 unpublished report in Rydell <i>et al.</i> 2010	S6-16
<i>Nyctalus noctula</i> <i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> <i>others</i>	Jun-Oct 2004	Estimated mortality of 13 deaths per year at 1 facility with 5 turbines. (0 events)	Eckardsberg, Sachsen, Germany	Endl <i>et al.</i> 2004 unpublished report in Rydell <i>et al.</i> 2010	S6-17
<i>Pipistrellus pipistrellus</i> , <i>Nyctalus leisleri</i>	Jul-Oct 2004	Found 11 bat carcasses at two nearby sites with total of 6 turbines. Estimated mortality of 87 bats per year at both facilities combined (1 event)	Ettenheim, Schwarzwald, Germany	Brinkmann <i>et al.</i> 2006	S6-18

<i>Pipistrellus pipistrellus</i> , <i>Nyctalus leisleri</i> , <i>Pipistrellus sp.</i>	Apr-Oct 2005	Found 31 bat carcasses at 1 facility with 4 turbines. Estimated annual mortality of 104 bats. (1 event)	Rosskopf, Schwarzwald, Germany	Behr & von Helversen 2006 in Rodrigues <i>et al.</i> 2008 and in Rydell <i>et al.</i> 2010	S6-19
<i>Pipistrellus pipistrellus</i> , <i>Nyctalus sp.</i> , <i>Hypsugo savii</i> , <i>Tadarida teniotis</i>	Mar-Oct 2006	Found 29 bat carcasses at a 20-turbine facility. Estimated mortality of 120 bats during the study period. (1 event)	Candal/Coelheira, Portugal	Alves <i>et al.</i> 2007 in Rodrigues <i>et al.</i> 2014; Instituto da Conservação da Natureza e da Biodiversidade 2010	S6-20
Identifications not confirmed	Mar-Dec 2006	Found 12 bat carcasses at a 15-turbine facility. (1 event)	Outeiro, Portugal	Instituto da Conservação da Natureza e da Biodiversidade 2010	S6-21
<i>Pipistrellus pipistrellus</i> , <i>Pipistrellus sp.</i> , <i>Nyctalus leisleri</i>	Mar-Oct 2006	Found 15 bat carcasses at a 5-turbine facility. Estimated mortality of 60 bats during the study period.(1 event)	S. Pedro, Portugal	Alves <i>et al.</i> 2007 in Rodrigues <i>et al.</i> 2014	S6-22
<i>P. pipistrellus</i> , <i>Nyctalus leisleri</i> , <i>N. noctula</i> , <i>Unidentified</i>	Apr-Oct 2006	Found 47 bat carcasses at 13-25 turbines in region. (3 events)	Caramulo, Portugal	Instituto da Conservação da Natureza e da Biodiversidade 2010	S6-23
<i>Nyctalus sp.</i> , <i>Pipistrellus nathusii</i> , <i>P. pygmaeus</i> , <i>Vespertilio murinus</i>	May-Sep 2006	Found 32 bat carcasses at a 5-turbine facility. (1 event)	Windpark A4, Muskauer Heide, Sachsen, Germany	Seiche <i>et al.</i> 2007, 2008	S6-24

<i>Nyctalus sp.</i> <i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>P. pygmaeus</i>	May-Sep 2006	Found 29 bat carcasses at a 10-turbine facility. (1 event)	Windpark A11, Oberlausitzer Gefilde, Sachsen, Germany	Seiche et al. 2007, 2008	S6-25
<i>Eptesicus serotinus</i> , <i>Nyctalus sp.</i> , <i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>P. pygmaeus</i>	May-Sep 2006	Found 15 bat carcasses at a 10-turbine facility. (1 event)	Windpark A10, Östliche Oberlausitz, Sachsen, Germany	Seiche et al. 2007, 2008	S6-26
<i>Nyctalus leisleri</i> , <i>Pipistrellus pipistrellus</i> , <i>Pipistrellus sp.</i> , <i>Hypsugo savii</i>	2007	Found 48 bat carcasses at a 20-turbine facility. Estimated 191 bats killed annually (most in late summer). (2 events)	Candal/Coelheira, Portugal	Amorim et al. 2012; Amorim 2009 in Rodrigues et al. 2014.	S6-27
<i>Pipistrellus kuhlii</i> , <i>P. pipistrellus</i> , <i>P. pygmaeus</i> , <i>Pipistrellus spp.</i> , <i>Hypsugo savii</i> , <i>Nyctalus lasiopterus</i> , <i>N. leisleri</i> , <i>Eptesicus serotinus</i> , Unidentified	Mar-Oct 2007	Found 81 bat carcasses at 3-17 turbines in region. (3 events)	Caramulo, Portugal	Instituto da Conservação da Natureza e da Biodiversidade 2010; Silva et al. 2008 in Rodrigues et al. 2014	S6-28
Identifications not confirmed	May-Oct 2007	Found 15 bat carcasses at a 14-turbine facility. (1 event)	Lousã, Portugal	Instituto da Conservação da Natureza e da Biodiversidade 2010	S6-29
Identifications not confirmed	Mar-Oct 2008	Found 20 bat carcasses at a 15-turbine facility. (2 events)	Outeiro, Portugal	Instituto da Conservação da Natureza e da	S6-30

				Biodiversidade 2010	
<i>Pipistrellus pipistrellus</i> , <i>P. kuhlii</i> , <i>Pipistrellus</i> sp., <i>Unidentified</i>	Jun-Oct 2008	Found 10 bat carcasses at a 6-turbine facility. (1 event)	Unspecified, France	Beucher & Puech 2008 in Rodrigues et al. 2014	S6-31
<i>Pipistrellus kuhlii</i> , <i>Nyctalus leisleri</i> , <i>Eptesicus</i> sp.	Jan-Dec 2009	Found 10 bat carcasses at a 14-turbine facility. (1 event)	Serra do Mú, Portugal	Bio3 (2010) in Rodrigues et al. 2014	S6-32
<i>Hypsugo savii</i> , <i>Pipistrellus pipistrellus</i> , <i>P. kuhlii</i> , <i>P. nathusii</i> , <i>P. pygmaeus</i> , <i>Nyctalus leisleri</i> , <i>N. lasiopterus</i> , <i>Eptesicus serotinus</i> , <i>Unidentified</i>	Jun-Oct 2008 May-Sep 2009	Found 73 bat carcasses at a 13-turbine facility in 2008, 98 carcasses in 2009. (4 events)	Castelnau-Pegayrols, Aveyron, France	Beucher et al. 2013 in Rodrigues 2014, LPO 12, 2008 EXEN & KJM (Y. Beucher) 2011 in Rodrigues et al. 2014, Trille et al. 2008 in Rodrigues et al 2014	S6-33
<i>Myotis emarginatus</i> , <i>Pipistrellus</i> sp., <i>Tadarida teniotis</i> , <i>Unidentified</i>	Mar-Nov 2009	Found 103 bat carcasses at a 9-turbine facility. (1 event)	Mas de Leuze, St-Martin-de-Crau, France	Rico & Lagrange 2012; Aves Environnement & GCP 2009 in Rodrigues et al. 2014	S6-34
<i>Pipistrellus pipistrellus</i> , <i>Nyctalus leisleri</i> , <i>Hypsugo savii</i> , <i>Unidentified</i>	Aug-Oct 2009	Found 20 bat carcasses at a 7-turbine facility. (1 event)	Lou Paou, Lozère, France	F. Sané, pers. com., in Rodrigues et al. 2014	S6-35

<i>Nyctalus leisleri</i> , <i>P. pipistrellus/pygmaeus</i> , <i>Pipistrellus nathusii</i> , <i>Hypsugo savii</i> , <i>Nyctalus noctula</i>	Aug 2009- Jul 2010	Found 183 bat carcasses during searches of 88 turbines at 9 wind energy facilities. (8 events)	Northeastern Greece	Georgiakakis <i>et al.</i> 2012	S6-36
<i>Pipistrellus pipistrellus</i> , <i>Pipistrellus kuhlii</i> <i>Nyctalus leisleri</i> , <i>Hypsugo savii</i> , <i>Eptesicus serotinus</i>	Apr-Oct 2010	Found 13 bat carcasses at a 25-turbine facility. (1 event)	Terra Fria-Montalegre, Portugal	Bio3 (2011b) in Rodrigues <i>et al.</i> 2014	S6-37
<i>Pipistrellus pipistrellus</i> , <i>P. kuhlii</i> , <i>P. nathusii</i> , <i>P. pygmaeus</i> , <i>Miniopterus schreibersii</i> , <i>Nyctalus leisleri</i> , <i>N. noctula</i> , <i>Hypsugo savii</i> , <i>Eptesicus serotinus</i> , Unidentified	May-Oct 2010	Found 42 bats at a 2-turbine facility. Estimated mortality rate of 120-261 bats annually. (1 event)	La Répara-Auriples, Drôme, France	GCRA-LPO 26 (J. Cornut) 2011 in Rodrigues <i>et al.</i> 2014; Cornut and Vincent 2010	S6-38
<i>Pipistrellus pipistrellus</i> , <i>Pipistrellus sp.</i> , <i>Nyctalus leisleri</i>	Jun-Sep 2010	Found 10 bat carcasses at an 18-turbine facility. (1 event)	Terra Fria - Facho-Colmeia, Portugal	Bio3 (2011a) in Rodrigues <i>et al.</i> 2014	S6-39
Unspecified	ca. 2010, 4-months	Found 48 bat carcasses at a 5-turbine facility. (1 event)	Loire Atlantique 1, France	Unpublished data in Rodrigues <i>et al.</i> 2014	S6-40
Unspecified	ca. 2010, 4-months	Found 28 bats at a 3-turbine facility. (1 event)	Loire Atlantique 2, France	Unpublished data in Rodrigues <i>et al.</i> 2014	S6-41
Unspecified	ca. 2011, 7-months	Found 15 bat carcasses at a 5-turbine facility. (1 event)	Loire Atlantique 1, France	Unpublished data in	S6-42

				Rodrigues et al. 2014	
Unspecified	ca. 2011, 7 months	Found 25 bat carcasses at a 3-turbine facility. (1 event)	Loire Atlantique 2, France	Unpublished data in Rodrigues et al. 2014	S6-43
Unspecified	12 Jul-1 Oct 2011	Found 54 bat carcasses at a 9-turbine facility. (1 event)	Mas de Leuze, St-Martin-de-Crau, France	Rico & Lagrange 2012	S6-44
Unspecified	ca. 2011	Found 13 bat carcasses at a 6-turbine facility. (1 event)	Morbihan 1, France	Unpublished data in Rodrigues et al. 2014	S6-45
<i>Pipistrellus kuhlii</i> , <i>P. pygmaeus</i> , <i>Miniopterus schreibersii</i> <i>Nyctalus leisleri</i> , <i>Tadarida teniotis</i> , Unidentified	Apr-Nov 2011	Found 12 bat carcasses at a 7-turbine facility. (1 event)	Serra de Alvaiázere, Portugal.	Procesl 2012 in Rodrigues et al. 2014.	S6-46
<i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>Pipistrellus</i> sp., <i>Nyctalus noctula</i> , <i>N. leisleri</i>	Apr-Oct 2012	Found 12 bat carcasses at a 2-turbine facility. Estimated mortality of 17 bats during the study period (1 event)	Belum, Cuxhaven, Germany	Bach & Tillmann 2012 in Rodrigues et al. 2014	S6-47
<i>Nyctalus leisleri</i> , <i>N. noctula</i> , <i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>Vespertilio murinus</i> , Unidentified	May-Oct 2012	Found 27 bat carcasses at a 6-turbine facility. (2 events)	Sudete Foothills, southwestern Poland	Gottfried & Gottfried 2012 in Rodrigues et al 2014	S6-48
Unspecified	Apr-Oct 2013	Found 10 bat carcasses at a 5-turbine facility. (1 event)	Southern Belgium	Pewez, CSD Ingenieurs	S6-49

				Conseils 2013 in Rodrigues et al. 2014	
<i>Pipistrellus nathusii</i> , <i>P. pipistrellus</i> , <i>P. pygmaeus</i> , <i>Nyctalus noctula</i>	Jul-Oct 2013	Found 21 bat carcasses at a 12- turbine facility. (1 event)	Walsrode, Germany	Bach et al. 2014 in Rodrigues et al 2014	S6-50
Islands					
<i>Chalinolobus gouldii</i> <i>Vespadelus darlingtoni</i> <i>Vespadelus spp.</i>	2002-2010	Found 75 bat carcasses beneath 62 turbines at two wind facilities. (ca. 2 events)	Bluff Point and Studland Bay, Northwestern Tasmania, Australia	Hull & Cawthen 2013	S6-3
North America					
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Perimyotis subflavus</i> , <i>Myotis lucifugus</i> , <i>Eptesicus fuscus</i>	Mar-Nov 1998, 1999	Found 184 carcasses (primarily <i>L. cinereus</i> and <i>L. borealis</i>) in searches of 91 turbines at a 354- turbine facility. Estimated mortality of up to 578 bats annually. (4 events)	Lincoln and Pipestone counties, Minnesota, USA	Johnson et al. 2003a	S6-51
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis lucifugus</i> , <i>Unidentified</i>	1999	Found 10 carcasses at one 38- turbine facility Estimated mortality of 28 bats annually. (1 event)	Vansycle Wind Project, Umatilla County, Oregon USA	Erickson et al 2000	S6-52
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Eptesicus fuscus</i> , <i>Myotis lucifugus</i> , <i>Unidentified</i>	1999, 2000, Jun 2001 to Jun 2002	Found 47 bat carcasses (primarily <i>L. cinereus</i>) in 1999, 19 in 2000, and 14 in 2001-2002 at one 69-turbine facility. Estimated mortality of 90 bats annually. (3 events)	Foote Creek Rim, Carbon County, Wyoming	Young et al. 2003; Gruver 2002	S6-53

<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Eptesicus fuscus</i> , <i>Myotis lucifugus</i> , <i>Myotis</i> sp.	Jul 1999 to Jul 2001	Found 72 bat carcasses at a 31-turbine facility. Estimated mortality of 132 bats annually. (3 events)	Kewaunee County, Wisconsin, USA	Howe et al. 2002	S6-54
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Eptesicus fuscus</i>	Jul-Oct 2000	Found 71 bat carcasses in searches of 68 turbines at a 281-turbine sampling area. Estimated mortality of 528 bats during the study period. (2 events)	Lincoln and Pipestone counties, Minnesota, USA	Krenz & McMillan 2000	S6-55
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis lucifugus</i>	Apr 2001-Jan 2002	Found 52 bat carcasses (primarily <i>L. noctivagans</i> and <i>L. cinereus</i>) beneath 60 turbines at 1 facility. (2 events)	Pincher Creek, southern Alberta, Canada	Brown & Hamilton 2006a	S6-56
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis lucifugus</i> , <i>Eptesicus fuscus</i>	Jun-Sep 2001, 2002	Found 151 carcasses (primarily <i>L. cinereus</i> and <i>L. borealis</i>) in searches of 83-103 turbines at a 409-turbine facility. Estimated mortality of up to 849 bats annually. (4 events)	Lincoln and Pipestone counties, Minnesota, USA	Johnson et al. 2004	S6-57
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis lucifugus</i>	Jul-Sep 2001, Jun- Nov 2002	Found 39 bat carcasses (primarily <i>L. cinereus</i>) at a 60-turbine facility in 2001, and 13 carcasses in 2002 (3 events)	Castle River, southern Alberta, Canada	Brown & Hamilton 2002	S6-58
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> <i>Lasiurus cinereus</i> , <i>Lasiurus seminolus</i> , <i>Lasionycteris noctivagans</i> , <i>Perimyotis subflavus</i>	2001-2003	Found 118 bat carcasses (primarily <i>L. borealis</i> , <i>P. subflavus</i> , and <i>L. cinereus</i>) at a three-turbine facility. Estimated mortality of 62 bats annually. (4 events)	Buffalo Mountain Wind Farm, Anderson County, Tennessee, USA	Fiedler 2004	S6-59
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> ,	Jul-Dec 2001	Found ~177 bat carcasses (primarily <i>L. cinereus</i> and <i>L.</i>	Stateline site, Umatilla County,	Erickson et al. 2004	S6-60

<i>Myotis lucifugus</i> , <i>Eptesicus fuscus</i> , <i>Unidentified</i>	Jan-Dec 2002, Jan- Dec 2003	<i>noctivagans</i>) in searches of 124 turbines in one 454-turbine facility in 2001-2002, and 153 in 2003. Estimated mortality of 500 bats annually. (6 events)	Oregon and Walla Walla County, Washington, USA		
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis sp.</i>	2002-2003	Estimated mortality of 19 bats annually at one 16-turbine facility. (0 events)	Sherman County, Oregon, USA	Johnson et al. 2003b	S6-61
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i>	2002-2003	Found 27 bat carcasses at one 37-turbine facility. Estimated mortality of 119 bats annually. (2 events)	Nine Canyon site, Benton County, Washington	Erickson et al. 2003	S6-62
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis lucifugus</i> , <i>Myotis septentrionalis</i> , <i>Perimyotis subflavus</i> , <i>Unidentified</i>	Apr-Nov 2003	Found 475 bat carcasses (primarily <i>L. cinereus</i> , <i>L. borealis</i> , <i>P. subflavus</i>) at one facility with 44 turbines. Provisional estimated mortality of 2,092 bats during the 7.5 month study period. (5 events)	Mountaineer Site, near Thomas, West Virginia	Kerns & Kerlinger 2004	S6-63
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Eptesicus fuscus</i> , <i>Myotis lucifugus</i>	Apr-Dec 2003	Found 31 bat carcasses during searches of 26 turbines at an 89-turbine facility. Estimated mortality of 167 bats during the study period. (1 event)	Worth County, Iowa, USA	Koford et al. 2004	S6-64
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis lucifugus</i> , <i>Eptesicus fuscus</i>	Jul 2003-Jun 2004	Found 54 bat carcasses (primarily <i>L. cinereus</i>) beneath 114 turbines at 1 facility. (1 event)	McBride Lake, southern Alberta, Canada	Brown & Hamilton 2006b	S6-65
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> ,	Apr-Dec 2003, Apr-Dec 2004	Found 35 bat carcasses in 2003 and 45 bat carcasses in 2004 (primarily <i>L. cinereus</i> , <i>L. borealis</i>) in searches of 26	Worth County, Iowa	Jain 2005, Jain et al. 2011	S6-66

<i>Myotis lucifugus</i> , <i>Perimyotis subflavus</i>		turbines at one 89-turbine facility. Estimated annual mortality of 588 bats in 2003 and 786 bats in 2004. (3 events)			
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i>	Jun-Nov 2004	Found 21 dead bats at a 41-turbine facility. Estimated mortality of 77 bats over the study period. (1 event)	Eurus Hills, Umatilla County, Oregon USA	Young et al. 2006	S6-67
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis lucifugus</i> , <i>Perimyotis subflavus</i> , <i>Unidentified</i>	Jul-Sep 2004	Found 466 bat carcasses over a 6-week period in searches (primarily <i>L. cinereus</i> , <i>L. borealis</i> , <i>P. subflavus</i>) at one facility with 44 turbines. Estimated mortality of 1,672 bats during 6-week period. (6 events)	Mountaineer Site, near Thomas, West Virginia	Kerns et al. 2005	S6-68
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis lucifugus</i> , <i>Myotis septentrionalis</i> , <i>Perimyotis subflavus</i> , <i>Unidentified</i>	Aug-Sep 2004	Found 299 bat carcasses over a 6-week period (primarily <i>L. cinereus</i> , <i>L. borealis</i>) in searches at facility with 20 turbines. Estimated mortality of 480 bats during 6-week period. (5 events)	Meyersdale Site, Pennsylvania, USA	Kerns et al. 2005	S6-69
<i>Tadarida brasiliensis</i> , <i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Perimyotis subflavus</i> , <i>Myotis velifer</i>	May-Jul 2004, 2005	Found 111 bat carcasses (primarily <i>T. brasiliensis</i>) at a 68-turbine facility. Estimated mortality of 81-108 bats annually. (3 events)	Northwestern Oklahoma, USA	Piorkowski 2006, Piorkowski and O'Connell 2010	S6-70
<i>Lasiurus cinereus</i> ,	Aug 2003-Jul 2004, Aug	Found 70 bat carcasses in 2003-2004, 47 in 2004-2005	Solano County, California, USA	Kerlinger et al. 2006	S6-71

<i>L. blossevillii</i> , <i>Lasionycteris noctivagans</i> , <i>Tadarida brasiliensis</i>	2004-Jul 2005	(primarily <i>L. cinereus</i> and <i>T. brasiliensis</i>) in searches of 90 turbines at 1 facility. Estimated annual mortality of 373 bats in year 1 and 245 in year 2. (4 events)			
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasiurus seminolus</i> , <i>Lasionycteris noctivagans</i> , <i>Perimyotis subflavus</i> , Unknown	2005	Found 243 bat carcasses (primarily <i>L. borealis</i> , <i>P. subflavus</i> , and <i>L. cinereus</i>) in 40 searches at an 18-turbine facility. Estimated mortality of 1,149 bats annually.(4 events)	Buffalo Mountain Wind Farm, Anderson County, Tennessee	Fiedler et al. 2007	S6-72
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Myotis lucifugus</i> , <i>Lasionycteris noctivagans</i>	Jan 2005-Jan 2006	Found 532 bat carcasses (primarily <i>L. noctivagans</i> and <i>L. cinereus</i>) in 66 searches of 39 turbines at 1 facility. Estimated mortality of 720 bats per year. (2 events)	Summerview near Pincher Creek, southern Alberta, Canada	Brown & Hamilton 2006c	S6-73
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i>	Sep-Nov 2005, Mar- May, Aug 2006	Found 21 dead bats at searches of all turbines at a 33-turbine facility. Estimated mortality of 93 bats during study period. (1 event)	Crescent Ridge, Bureau County, Illinois, USA	Kerlinger et al 2007	S6-74
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis lucifugus</i> , <i>Eptesicus fuscus</i>	Apr-Oct 2006	Found 19 dead bats at an 83-turbine facility. Estimated mortality of 94 bats per year. (1 event)	Hopkins Ridge, Columbia County, Washington USA	Young et al. 2007	S6-75
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Eptesicus fuscus</i> , Unidentified	May-Sep 2006	Found 16 dead bats (primarily <i>L. cinereus</i>) at a 36-turbine facility. Estimated mortality of 69 bats over the study period. (1 event)	Brown County, Nebraska, USA	Derby et al. 2007	S6-76

<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis lucifugus</i>	Jun-Nov 2006	Found 326 bat carcasses (primarily <i>L. cinereus</i> , <i>L. borealis</i> , <i>L. noctivagans</i>) in searches of 50 turbines at one 195-turbine facility. Estimated mortality up to 2,963 bats annually. (5 events)	Lowville, New York	Jain et al. 2007	S6-77
<i>Tadarida brasiliensis</i> , <i>Lasiurus cinereus</i> , <i>Lasiurus borealis</i> , <i>Parastrellus hesperus</i>	Sep 2006 - Sep 2007	Found 56 bat carcasses (primarily <i>T. brasiliensis</i>) at 1 facility while searching 28 turbines. Estimated mortality rate of 37 bats per MW each active season at a facility with fifty-six 1.5 MW turbines. (1 event)	Southeast of Lubbock, Texas, USA	Miller 2008	S6-78
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Myotis lucifugus</i> , <i>Myotis volans</i> , <i>Lasionycteris noctivagans</i> , Unknown	15 Jul - 30 Sep 2006 and 2007	Found 993 bats (primarily <i>L. cinereus</i> and <i>L. noctivagans</i>) dead beneath turbines at 1 facility with 39 turbines. Estimated fatality rate of 21 bats per turbine per year. (5 events)	Site 3, Southwestern Alberta, Canada	Baerwald & Barclay 2011; Baerwald et al. 2008	S6-79
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , Unidentified	Aug-Oct 2006, Feb- May 2007	Found 36 bat carcasses (primarily <i>L. cinereus</i>) in searches of a subset of 20 turbines at a 90-turbine facility. Estimated mortality of 1,201 bats during study period. (1 event)	Judith Gap, Wheatland County, Montana, USA	Poulton and Erickson 2010, TRC Environmental 2008	S6-80
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i>	Warm seasons 2006, 2007	Estimated mortality of ~27 bats per turbine per year at facility with 35 turbines. (0 events)	Site 4, Southwestern Alberta, Canada	Baerwald & Barclay 2009	S6-81

<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i>	Warm seasons 2006, 2007	Estimated mortality of ~26 bats per turbine per year at facility with 1 turbine. (0 events)	Site 6, Southwestern Alberta, Canada	Baerwald & Barclay 2009	S6-82
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i>	Warm season 2007	Estimated mortality of ~32 bats per turbine per year at facility with 2 turbines. (0 events)	Site 2, Southwestern Alberta, Canada	Baerwald & Barclay 2009	S6-83
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis lucifugus</i>	Jan-Dec 2007	Found 17 dead bats beneath 64 searched turbines at a 127 turbine facility. Estimated mortality of 89 bats annually. (1 event)	Wild Horse facility, Kittitas County, Washington, USA	Erickson et al. 2008	S6-84
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Myotis lucifugus</i> , <i>Lasionycteris noctivagans</i>	Apr-Jun, Jul-Aug, Aug-Sep 2007	Found 24 bat carcasses (primarily <i>L. cinereus</i> and <i>L. noctivagans</i>) in searches of a 28-turbine facility. Estimated fatality rate of 122 bats during the study period. (1 event)	Mars Hill Wind Farm, Aroostook County, Maine, USA	Stantec Consulting 2008a	S6-85
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> <i>Lasiurus cinereus</i> , <i>Myotis lucifugus</i> , <i>Lasionycteris noctivagans</i> , Unidentified	Apr-Nov 2007	Found 283 bat carcasses (primarily <i>L. cinereus</i>) during searches of 64 turbines at a 195-turbine facility. Estimated mortality of 2,086 to 2,704 bats (depending on estimation method) during the study period. (5 events)	Maple Ridge Wind Power Project, Lewis County, New York, USA	Jain et al. 2009a	S6-86
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i>	Aug-Sep 2007	Found 27 bat carcasses at a 5-turbine facility. (1 event)	Near Atlantic City, New Jersey, USA	Péron et al. 2013	S6-87
<i>Lasionycteris noctivagans</i> , <i>Lasiurus cinereus</i> , <i>Lasiurus borealis</i> , <i>Myotis lucifugus</i>	Aug-Sep 2007	Found 98 bat carcasses (primarily <i>L. noctivagans</i> and <i>L. cinereus</i>) beneath 29 turbines searched at 1 facility with 63	St. Léon, Manitoba, Canada	Jameson & Willis 2012	S6-88

		turbines. Estimated fatality rate of 819 bats annually. (2 events)			
Unspecified, 19 species	2007-early 2008	Reported 123 bat carcasses of 19 species at a 98 turbine facility. (1 event)	La Venta II, Oaxaca, Mexico	Ledec et al. 2011	S6-89
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Myotis lucifugus</i> , <i>Lasionycteris noctivagans</i> , Unidentified	Apr-Nov 2008	Found 216 bat carcasses (primarily <i>L. cinereus</i>) during searches of 64 turbines at a 195-turbine facility. Estimated mortality of 1,595 to 1,739 bats (depending on estimation method) annually. (5 events)	Maple Ridge Wind Power Project, Lewis County, New York, USA	Jain et al. 2009b	S6-90
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Myotis lucifugus</i> , <i>Perimyotis subflavus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis septentrionalis</i>	Jul-Oct 2008	Found 209 bat carcasses (primarily <i>L. borealis</i> and <i>L. cinereus</i>) in searches of 27 turbines at an 82-turbine facility. Estimated mortality of 1,985 bats during the study period. (6 events)	Mount Storm, Grant County, West Virginia, USA	Young et al. 2009	S6-91
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Myotis lucifugus</i> , <i>Perimyotis subflavus</i> , <i>Lasionycteris noctivagans</i>	27 Jul - 9 Oct 2008, 26 Jul - 8 Oct 2009	Found 39 bat carcasses (primarily <i>Lasiurus borealis</i> , <i>L. cinereus</i> , <i>Lasionycteris noctivagans</i>) beneath 12 wind turbines in a 23-turbine facility searched in 2008, and 31 in 2009 during an experiment to determine the efficacy of reducing bat fatalities by altering turbine blade speeds. (4 events)	Somerset County, Pennsylvania, USA	Arnett et al. 2011	S6-92

<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Myotis lucifugus</i> , <i>Perimyotis subflavus</i> , <i>Lasionycteris noctivagans</i> , Unidentified	Apr-Nov 2008	Found 149 bat carcasses (primarily <i>Lasiurus borealis</i> , <i>L. cinereus</i> , <i>Lasionycteris noctivagans</i>) at a 23-turbine facility. Estimated mortality of up to 784 bats annually. (5 events)	Casselman site, Somerset County, Pennsylvania, USA	Arnett et al. 2009	S6-93
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Myotis lucifugus</i> , <i>Lasionycteris noctivagans</i> , Unidentified	Jul-Oct 2008	Found 241 bat carcasses (primarily <i>M. lucifugus</i>) beneath 30 turbines at an 88-turbine facility. (5 events)	Fond du Lac County, Wisconsin	Gruver et al. 2009	S6-94
<i>Lasiurus cinereus</i> , <i>Myotis lucifugus</i> , <i>Lasiurus borealis</i> , <i>Eptesicus fuscus</i>	2008	Found 10 bat carcasses at a 23-turbine facility. Estimated mortality of 67 bats annually. (1 event)	Munnsville Farm, Madison and Oneida Counties, New York, USA	Stantec Consulting 2009b	S6-95
<i>Lasionycteris noctivagans</i> , <i>Lasiurus cinereus</i>	2008	Found 50 bat carcasses in searches of 50 turbines at a 76-turbine facility. Estimated mortality of 249 bats annually. (2 events)	Biglow Canyon, Wasco, Sherman County, Oregon USA	Jeffrey et al. 2009	S6-96
<i>Lasionycteris noctivagans</i> , <i>Lasiurus cinereus</i> , <i>Myotis leibii</i> , <i>Myotis lucifugus</i> , <i>Myotis septentrionalis</i> , <i>Perimyotis subflavus</i> , <i>Lasiurus borealis</i> , <i>Eptesicus fuscus</i> , <i>Myotis</i> spp., Unknown	Jul-Oct 2008	Found 116 bat carcasses in searches of all turbines at a 38-turbine facility. Estimated mortality of 487 bats during the study period. (3 events)	Ripley, Bruce County, Ontario, Canada	Jacques Whitford Stantech Ltd 2009	S6-97

<i>Lasionycteris noctivagans</i> , <i>Lasiurus cinereus</i> , <i>Myotis lucifugus</i> , <i>Lasiurus borealis</i> , <i>Eptesicus fuscus</i> , <i>Myotis</i> spp., Unknown	Jul- Oct 2008 and 2009, Apr-May 2009 and 2010	Found 122 bat carcasses (primarily <i>L. cinereus</i> , <i>Lasionycteris noctivagans</i>) beneath 29 searched wind turbines at 1 facility with 86 turbines. Estimated annual mortality of 2,227 bats. (5 events)	Southeastern Wisconsin, USA	Grodsky <i>et al.</i> 2012	S6-98
<i>Lasiurus cinereus</i> , <i>Eptesicus fuscus</i> , <i>Myotis lucifugus</i> ,	May-Jun 2009	Estimated mortality of 45 bats at an 86-turbine facility during the study period. (0 events)	Wolfe Island, Frontenac County, Province of Ontario, Canada	Stantec Consulting 2010a	S6-99
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Eptesicus fuscus</i> , <i>Myotis lucifugus</i> , Unidentified	Jul-Dec 2009	Found 180 bat carcasses (primarily <i>L. borealis</i> , <i>L.</i> <i>cinereus</i> , <i>L. noctivagans</i>) during searches of 86-turbine facility. Estimated 1,270 bat fatalities during the study period. (5 events)	Wolfe Island, Frontenac County, Ontario, Canada	Stantec Consulting 2010b	S6-100
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , Unidentified	Jun-Oct 2009	Found 24 bat carcasses (primarily <i>L. cinereus</i>) in searches of a subset of 30 turbines at a 90-turbine facility. Estimated mortality of 648 bats during study period. (1 event)	Judith Gap Wind Farm, Wheatland County, Montana, USA	Poulton and Erickson 2010	S6-101
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Eptesicus fuscus</i> , <i>Myotis lucifugus</i>	Apr-Oct 2009	Estimated mortality of 80 bats at 38-turbine facility during study period. (0 events)	Stetson Mountain, Penobscot and Washington Counties, Maine USA	Stantec Consulting 2009a	S6-102
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> ,	Mar-May, Jul-Nov 2009	Found 89 bat carcasses (primarily <i>L. cinereus</i>) during searches of 20 turbines at a 41-	Cedar Ridge, Fond du Lac County, Wisconsin, USA	BHE 2011	S6-103

<i>Myotis lucifugus</i> , <i>Lasionycteris noctivagans</i>		turbine facility. Estimated 2,072 bat fatalities during the study period. (5 events)			
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Myotis lucifugus</i> , <i>Perimyotis subflavus</i> , <i>Lasionycteris noctivagans</i>	Apr–Nov 2009, May-Jul 2010, Jul-Aug 2010	Found 194 dead bats in 2009 and 282 in 2010 (primarily beneath 25 wind turbines) during an experiment to determine the efficacy of an ultrasonic deterrent. (12 events)	Columbia and Schuylkill Counties, Pennsylvania, USA	Arnett <i>et al.</i> 2013	S6-104
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Myotis sp.</i>	Sep 2009-Sep 2010	Found 17 dead bats in searches of 50 turbines at a 65-turbine facility. Estimated mortality of 405 bats annually. (1 event)	Biglow Canyon Phase II, Sherman County, Oregon USA	Enk et al. 2011	S6-105
Unspecified	Sep 2009-Nov 2010	Searched all turbines at a 30-turbine facility. Mean estimated mortality of 216 bats annually. (1 event)	Dry Lake, Navajo County, Arizona USA	Thompson and Bay 2012	S6-106
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Myotis lucifugus</i> , <i>Lasionycteris noctivagans</i>	Mar-May, Jul-Oct 2010	Found 155 bat carcasses (primarily <i>L. borealis</i>) during searches of 20 turbines at a 41-turbine facility. Estimated 1,633 bat fatalities during the study period. (5 events)	Cedar Ridge, Fond du Lac County, Wisconsin, USA	BHE 2011	S6-107
<i>Lasiurus borealis</i> , <i>Lasionycteris noctivagans</i> , <i>Eptesicus fuscus</i>	Jan-Jun 2010	Found 34 bat carcasses (primarily <i>L. noctivagans</i>) during searches of 86-turbine facility. Estimated 450 bat fatalities during the study period. (1 event)	Wolfe Island, Frontenac County, Ontario, Canada	Stantec Consulting 2011b	S6-108
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Eptesicus fuscus</i>	Jul-Dec 2010	Found 111 bat carcasses (primarily <i>L. borealis</i> , <i>L. cinereus</i> , <i>L. noctivagans</i>) during searches of 86-turbine facility.	Wolfe Island, Frontenac County, Ontario, Canada	Stantec Consulting 2011c	S6-109

		Estimated 1,878 bat fatalities during the study period. (4 events)			
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Perimyotis subflavus</i> , <i>Eptesicus fuscus</i> , <i>Myotis lucifugus</i> , <i>Myotis sodalis</i>	Apr-Oct 2010	Found 845 bat carcasses (primarily <i>L. borealis</i> , <i>L. cinereus</i> , <i>L. noctivagans</i>) in searches of a subset of 136 turbines at a 355-turbine facility (includes incidental findings). Mean estimated mortality of 5,889 to 7,881 bats (depending on estimation method) during the study period. (4 events)	Fowler Ridge Wind Energy Facility, Benton County, Indiana, USA	Good et al. 2011	S6-110
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Eptesicus fuscus</i> , <i>Myotis lucifugus</i> , <i>Myotis septentrionalis</i>	Apr-Oct 2010	Found 63 bats at 17 searched turbines at two nearby facilities with a total of 50 turbines. Estimated mortality of 2,055 bats during study period. (3 events)	Cohocton and Dutch Hill, Steuben County, New York, USA	Stantec Consulting 2011a	S6-111
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Lasiurus seminolus</i> , <i>Perimyotis subflavus</i> , <i>Eptesicus fuscus</i> , <i>Myotis lucifugus</i>	Jul-Oct 2010	Found 381 bat carcasses (primarily <i>L. borealis</i> and <i>L. cinereus</i>) in searches of 24-25 turbines at a 132-turbine facility. Mean estimated mortality of 2,955 bats during the study period. (5 events)	Mount Storm, Grant County, West Virginia, USA	Young et al. 2011a	S6-112
<i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i>	Sep 2010- Sep 2011	Found six dead bats in searches of 50 turbines at a 65-turbine facility. Estimated mortality of 246 bats annually. (0 events)	Biglow Canyon Phase II, Sherman County, Oregon USA	Enk et al. 2012	S6-113

<i>Lasiurus cinereus</i> , <i>Eptesicus fuscus</i>	Jan-Jun 2011	Estimated 41 bat fatalities during the study period. (0 events)	Wolfe Island, Frontenac County, Ontario, Canada	Stantec Consulting 2011d	S6-114
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Lasiurus seminolus</i> , <i>Perimyotis subflavus</i> , <i>Eptesicus fuscus</i> , <i>Myotis lucifugus</i> , <i>Nycticeius humeralis</i>	Apr-Oct 2011	Found 573 bat carcasses (primarily <i>L. borealis</i> , <i>L. cinereus</i> , <i>L. noctivagans</i>) in searches of a subset of 177 turbines at a 355-turbine facility (includes incidental findings). Mean estimated mortality of 9,152 to 12,106 bats (depending on estimation method) annually. (4 events)	Fowler Ridge Wind Energy Facility, Benton County, Indiana, USA	Good et al. 2012	S6-115
<i>Eptesicus fuscus</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Nyctinomops macrotis</i> , <i>Tadarida brasiliensis</i>	Feb 2011-Feb 2012	Found 29 bat carcasses in searches of all turbines at a 31-turbine facility. Mean estimated mortality of 188 bats annually. (1 event)	Dry Lake, Navajo County, Arizona USA	Thompson & Bay 2012	S6-116
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Perimyotis subflavus</i> , <i>Eptesicus fuscus</i>	Apr-Jul 2011	Found 62 bat carcasses (primarily <i>L. borealis</i> and <i>L. cinereus</i>) in searches of 24 turbines at a 132-turbine facility. Mean estimated mortality of 185 bats during the study period. (2 events)	Mount Storm, Grant County, West Virginia, USA	Young et al. 2011b	S6-117
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Perimyotis subflavus</i> , <i>Eptesicus fuscus</i>	Jul-Oct 2011	Found 121 bat carcasses (primarily <i>L. borealis</i> and <i>L. cinereus</i>) in searches of 24 turbines at a 132-turbine facility. Mean estimated mortality of 1,201 bats during the study period. (3 events)	Mount Storm, Grant County, West Virginia, USA	Young et al. 2012b	S6-118

<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Lasiurus seminolus</i> , <i>Perimyotis subflavus</i> , <i>Eptesicus fuscus</i> , <i>Myotis lucifugus</i>	Apr-Nov 2011	Found 706 bat carcasses (primarily <i>L. borealis</i> , <i>L. cinereus</i>) in searches of a subset of 14 turbines at a 28-turbine facility. Mean estimated mortality of 1,093 bats during study period. (6 events)	Criterion, Garrett County, Maryland, USA	Young et al. 2012a	S6-119
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Eptesicus fuscus</i>	Jul-Dec 2011	Found 52 bat carcasses (primarily <i>L. borealis</i> , <i>L. cinereus</i> , <i>L. noctivagans</i>) during searches of 86-turbine facility. Estimated 493 bat fatalities during the study period, 534 bats annually. (1 event)	Wolfe Island, Frontenac County, Ontario, Canada	Stantec Consulting 2012	S6-120
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Perimyotis subflavus</i>	Apr-Oct 2012	Found 53 bat carcasses (primarily <i>L. borealis</i>) during searches of a 67-turbine facility. Estimated 204 bat fatalities annually. (2 events)	Beech Ridge, Greenbrier County, West Virginia USA	Tidhar et al. 2013	S6-121
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Perimyotis subflavus</i> , <i>Eptesicus fuscus</i>	Apr–Nov 2012	Found 82 bat carcasses (primarily <i>L. borealis</i> , <i>L. cinereus</i>) in searches of a subset of 14 turbines at a 28-turbine facility. Mean estimated mortality of 546 bats during study period. (2 events)	Criterion, Garrett County, Maryland, USA	Young et al. 2013	S6-122
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Lasiurus seminolus</i> , <i>Eptesicus fuscus</i> , <i>Nycticeius humeralis</i>	Aug-Oct 2012	Found 81 bat carcasses (primarily <i>L. borealis</i> , <i>L. cinereus</i> , <i>L. noctivagans</i>) in searches of a subset of 118 turbines at a 355-turbine facility (includes incidental findings).	Fowler Ridge Wind Energy Facility, Benton County, Indiana, USA	Good et al. 2013	S6-123

		Mean estimated mortality of 1,755 bats annually. (3 events)			
<i>Eptesicus fuscus</i> , <i>Lasiurus borealis</i> , <i>Lasiurus seminolus</i> , <i>Lasionycteris noctivagans</i>	Jul–Oct 2012	Found 12 bat carcasses (primarily <i>L. borealis</i>) in 163 nights monitoring of 3 turbines at one facility. (1 event)	Fowler, Indiana	Cryan et al. 2014	S6-124
<i>Lasiurus borealis</i> , <i>Lasiurus cinereus</i> , <i>Lasionycteris noctivagans</i> , <i>Perimyotis subflavus</i> , <i>Nycticeius humeralis</i> , <i>Tadarida brasiliensis</i> , Unknown	Jul-Oct 2009 to 2013	Found 916 bat carcasses (primarily <i>Lasiurus borealis</i> and <i>L. cinereus</i>) beneath 75 turbines at 1 facility during 13,604 standardized searches. (10 events)	North-central Texas, USA	Bennett & Hale 2014 See also Korstian et al. 2013	S6-125
South America					
<i>Lasiurus ega</i> <i>Lasiurus blossevillii</i> <i>Molossus molossus</i> <i>Molossus rufus</i> <i>Nyctinomops laticaudatus</i> <i>Promops nasutus</i> <i>Tadarida brasiliensis</i> , <i>Lasiurus cinereus</i> , Unidentified	Jul 2006-Jun 2009	336 dead bats found in searches at a 75 turbine facility carried out during 3 years (4 events)	Osório Wind Farm, Rio Grande de Sul, Brazil	Barros et al. 2015	S6-126

