

WIND TURBINE ACCIDENT COMPILATION									
	Last updated at	01/04/2008		Compiled by	CWIF				
Accident type	Date	Site/area	State/Country	Turbine type	Details	Info source	Web reference/link	Alternate web reference/link	
1	Fatal	1975	Choteau, near Conrad, MT	USA	2kw	Tim McCartney, fall from tower while removing small turbine. Body found near tower.	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
2	Fatal	30/12/1981	Boulevard, CA	USA	40kw	Terry Mehrkam, atop nacelle, run-away rotor, no lanyard, fell from tower.	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
3	Fatal	1982	Bushland, TX	USA	40kw	Pat Acker, 28, rebar cage for foundation came in contact with overhead power lines, electrocuted.	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
4	Fatal	1982		Denmark	50kw	Jens Erik Madsen, during servicing of controller, electrocuted.	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
5	Fatal	1983	Palm Springs, CA	USA	500kw	Eric Wright on experimental VAWT - tower collapsed while he was on it.	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
6	Fatal	1984	Altamont Pass, CA	USA	65kw	J.A. Doucette, unloading towers from a truck, towers rolled off truck, crushing him.	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
7	Fatal	1984	Palm Springs, CA	USA	80kw	Art Gomez, servicing Dynergy crane	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
8	Fatal	1984	Iowa	USA	Jacobs 10kw	Ugene Stallhut, ground crew, driving tractor as tow vehicle, tractor flipped over crushing him	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
9	Fatal	1989	Palm Springs, CA	USA	65kw	John Donnelly, atop nacelle, servicing Nordtank nacelle, no brake, lanyard caught on main shaft protrusion, death attributed to "multiple amputations" as he was dragged into the machinery.	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
10	Fatal	1990		Holland	100kw	Dick Hozeman, atop nacelle, entered Polenko nacelle in storm, no brake, caught on spinning shaft.	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
11	Fatal (2 deaths)	1990	Island of Lolland	Denmark	400kw	Leif Thomsen, & Kaj Vadstrup, both killed servicing rotor, no locking pin on rotor, brake released accidentally, rotor began moving catching man basket & knocking it to the ground, third man clung to tower until rescued.	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
12	Fatal	1991	Tehachapi, CA	USA	90kw	Thomas Swan, crane operator, travelling, locking pin failed, boom swung downhill into 66 kV power line, electrocuting him.	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
13	Fatal	1991		Australia	Farm windmill	A 16 year old boy died of asphyxiation in a windmill accident on his family's farm. Apparently he climbed the windmill to retrieve a broken coupling, and in doing so he was caught by the rotating shaft, and strangled by his own clothing. His mother found him with his arms above his head and his clothing twisted up around his neck. His skivvy was twisted very tightly around the windmill shaft. His mother desperately tried to untangle him, or to lift him, but she was unable to do so. Despite her frantic efforts, she was aware that her son was already dead when she found him. The 1991 date is uncertain but hinted at by a pro-wind group.	Windmills sourced material by Farmsafe - a compilation of material sourced from range of websites (as identified within this document) Farmsafe WA Alliance 31/5/04 following an enquiry concerning sending workers out to maintain windmills.	http://www.farmsafewa.org/downloads/Windmills%20sourced%20material%20by%20Farmsafe.pdf	

14	Fatal	1991		Australia	7m high farm windmill	A farmer died after falling from a windmill while attempting to repair its tail section. The top of the windmill was approximately seven metres from the ground and the tail section of the windmill was broken and hanging down. The fan portion was not turning and several blades on the fan were missing. There was a steel ladder, constructed on one side of the windmill, which extended from the ground to the platform (five metres above the ground).	Farm-Related Fatalities in Australia, 1989-1992. Australian Centre for Agricultural Health and Safety and Rural Industries Research and Development Corporation. ISBN 1 87649196 5	http://www.rirdc.gov.au/reports/HCC/00-70.pdf	
15	Fatal	1992	Palm Springs, CA	USA	65kw	Richard Zawlocki, descending tower without lanyard, without fall restraint system in place, lanyard found holding nacelle cover open, found at base of tower, fell to death.	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
16	Blade failure	1992	Delabole, Cornwall, England	UK	Vestas 400kw	Blades damaged by lightning two weeks after opening	"Accidents", D Krämer, BLS, Dec. 2000.	http://www.bradworthy.com/user/nonIEbrowser/200103/local_wind_farm.html	
17	Environmental	1992	FloWind site, Tehachapi Pass, California	USA	Darrieus turbines	Accelerated, human-induced erosion caused by rain runoff from service roads and wind turbine pads in the Tehachapi Pass, CA. The site is now owned by Florida Power & Light and the eggbeater or Darrieus turbines have since been removed and several erosion control practices instituted. While these practices have reduced erosion in the gullies shown, new gullies have formed elsewhere along the ridge, hence erosion continues.	"Erosion Gullies in the Tehachapi Pass: An Example of Improper Wind Development" - article by Paul Gipe with photos. Originally written in 1996, the article has recently (2005) been brought up to date, saying that essentially nothing has changed since then	http://www.wind-works.org/articles/TehErosion.html	
18	Human injury	Mar-92	California	USA	Fayette turbine	Case Brenda Behrens (Plaintiff) vs Fayette Manufacturing Company Inc (defendants). C009749, Court of appeal, Third District, CA, March 31st 1992. Plaintiff worked for Fayette as a turbine technician. As part of her job she inspected, maintained, and performed repairs on wind turbines, windmills [4 Cal.App.4th 1570] used to generate electricity. She was injured on the job when she got her hand caught between the yaw pinion and the yaw gear of the wind turbine. At the time of the accident she was in the process of attempting to lock-off a wind turbine so it could be repaired. She climbed the tower of the wind turbine and entered the work cage; seeing the yaw motor pivoting towards her and fearing it would strike her legs, she swung her legs out of the way and pushed off with her right hand. In so doing, her hand was caught in the yaw gear. The turbine had broken it's mooring bolts.	Case Brenda Behrens (Plaintiff) vs Fayette Manufacturing Company Inc (defendants). C009749, Court of appeal, Third District, CA, March 31st 1992. Behrens v. Fayette Manufacturing Co., 7 Cal.Rptr.2d 264, 4 Cal.App.4th 1567 (Cal. App. 3 Dist., 1992)		
19	Fatal	1993	Illinois, IL	USA	2kw	Robert Skarski, erecting small wind turbine, tower collapsed with Skarski strapped to it, fell to death.	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	

20	Fire	02/07/1993	Antelope Valley, CA	USA		Antelope Valley. An overheated wind turbine triggered a fire Thursday that burned 220 acres of brush northeast of Cameron Road and Tehachapi-Willow Springs Road, firefighters said. Kern County firefighters from Tehachapi, Keene, and Edison and U.S. Bureau of Land Management firefighters responded to the 8:45 a.m. fire, and gained control of it about four hours later. About 45 firefighters, two helicopters and two bulldozers fought the blaze, Capt. Mike Cody said.	Published on July 2, 1993, Daily News of Los Angeles (CA)		
21	Blade failure	09/12/1993	Mynydd-y-Cemmaes, Powys, Wales	UK	WEG 300kw	Several turbines severely damaged during a storm, including a large blade part which was thrown over 400m. An independent witness estimated the blade piece to weigh 1 tonne and travel almost 500m.	Windpower Monthly January 1994.		
22	Structural failure	15/12/1993	Cold Northcott, Cornwall, England	UK	WEG MS-3 300kw	Complete blade and rotor broke away from tower during December 1993 only one month after opening. Date simply used as mid-point for the month	Windpower Monthly January 1994.		
23	Fatal - ice	1994	Minnesota, MN	USA	300kw	Mark (Eddie) Ketterling, inside Kennetech base tower section, winter, large chunk of ice fell, cutting him in half.	Wind Energy – The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe Also Windpower Monthly April 1994	http://www.wind-works.org/articles/BreathLife.html	
24	Human injury	15/03/1994	Mojave, CA	USA		"Big Blue not at fault, crane company's president says". An employee broke his left leg when a wind turbine control panel he was removing from a packing crate tipped over. The reference date given is simply "March 1994"	"Big Blue not at fault, crane company's president says". Published on JS Online, Milwaukee Journal Sentinel, last updated 21 July 1999.	http://www2.jsonline.com/news/metro/jul99/amp22072199.asp	
25	Miscellaneous	01/06/1994			Bonus 300kw	"Birds nest caused major failure". Date is of magazine publication	Windpower Monthly June 1994		
26	Lightning - blade failure	Not known. 1994 or after	Kirkby Moor, Cumbria, England	UK	Vestas 400kW	One of the turbines on Kirby Moor failed in spectacular fashion following a lightning strike, the blades disintegrated hurling debris across the moor. Tattered remains of the glassfibre coating are all that remained on the blade tips. The nose cone was also blown off by the lightning strike. Commissioned in 1994, the accident must have happened sometime later	MAIWEG web site with photos	http://www.windfarm.fsnet.co.uk/gallery.htm	
27	Blade failure	18/07/1995	Rüdersdorf, Branderburg	Germany		11m long piece of rotor blade landed adjacent to children's nursery. Date is of newspaper	Newspaper "Märkische Oder", 18/7/1995. Also "Accidents", D Krämer, BLS, Dec. 2000		
28	Fire	1995. Actual date not known	Mynydd-y-Cemmaes, Powys, Wales	UK	WEG 300kw	Turbine fire. It took firemen 2 and a half hours to control the blaze. No mains water supply so bowsers were used. Local MP Lembit Opik later called for an independent inquiry over the safety of turbines at Cemaes, and was "critical of the way the windfarm's owners Wind Energy Group had handled the situation".	Cambian News, 8 Jan 1998		
29	Blade failure	15/11/1995	Tarifa	Spain	Kenetech 90 kw S-33	Two separate occurrences of blades broken off during November 1995. Date simply used as mid-point for the month	Windpower Monthly, December 1995.		
30	Blade failure	01/12/1995		Greece	34 Windmaster 300kw	Cracks found in blades. Date is of magazine publication	Windpower Monthly December 1995		
31	Lightning	1992 to 1995		Germany		393 reports of lightning strikes from 1992 to 1995, 124 of those direct to the turbine, the rest are to electrical distribution network	Data from WMEP database: taken from report "External Conditions for Wind Turbine Operation – Results from the German '250 MW Wind' Programme", M Durstewitz, et al, European Union Wind Energy Conference, Goeteborg, May 20-24, 1996		

32	Fatal (unconfirmed)	1996		China		China, cleaning blades, unconfirmed	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
33	Fatal (unconfirmed)	1996		USA		US, boat operator decapitated by small machine, unconfirmed	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.wind-works.org/articles/BreathLife.html	
34	Ice throw	1996	Bensersiel, East Friesland/ Niedersachsen	Germany	AN Bonus	Thrown ice - Case before Crown Court in Oldenburg. Public injury	"Accidents", D Krämer, BLS, Dec. 2000		
35	Ice throw	1996	Borgholzhausen, Sauerland	Germany		30cm ice lumps landing on footpath, and damage to trees.	"Accidents", D Krämer, BLS, Dec. 2000		
36	Blade failure	22/02/1996	East Friesland, Niedersachsen	Germany		Parts of rotor blade reported landing in people's garden. Date is of newspaper	East Friesland daily newspaper, 22/2/1996. Also "Accidents", D Krämer, BLS, Dec. 2000		
37	Blade failure	15/09/1996	Eesmond	Holland	Kenetech	Second blade failure reported during September. Date simply used as mid-point for the month	Windpower Monthly January 1997		
38	Ice throw	29/10/1996	Krummendeich, Niedersachsen	Germany		"In winter the rotors sling ice lumps through the air -- we were cheated". Date is of newspaper	Interview regarding turbine planning permission, East Friesland newspaper 29/10/96. Also "Accidents", D Krämer, BLS, Dec. 2000		
39	Blade failure	30/10/1996	Satrup-Esmark to Haveltoft road, Schleswig-Flensburg County	Germany		Turbine blades broke and fell. Pieces landed on the road and damaged an adjacent turbine. Date is of newspaper	Newspaper "Schleswiger Nachrichten", 30/10/1996. Also "Accidents", D Krämer, BLS, Dec. 2000		
40	Ice throw	08/11/1996	Werdum/Buttforde, Kreis Wittmund/ Niedersachsen	Germany		Kg weight ice lumps landing in the street. Date is of newspaper	Interview with Werdum's Mayor, East Friesland newspaper 8/11/96. Also "Accidents", D Krämer, BLS, Dec. 2000		
41	Fatal	1997	Lemvig	Denmark	50kw	Ivan Sørensen, Vestas windsmith, repowering project, removing turbine, removed nacelle fixing bolts prematurely	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe Also Windpower Monthly December 1997 and February 1998	http://www.wind-works.org/articles/BreathLife.html	
42	Fatal - driver distraction - public fatality	1997	Erneuter Tödlicher Autounfall bei Ertstadt-Erp, Westphalia	Germany		First of three public fatalities at the same location put down to driver distraction. Accident spot is where turbines become visible to drivers - on circular road 33 (Kreisstraße 33)	Kölnischer Stadtanzeiger-Ertkreis from 8.3.2003	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
43	Ice throw	10/01/1997	Selbitz-Sellanger, Kreis Hof/Bayern	Germany		Ice documented as thrown up to 85m, weight up to 0.5kg, between 8th and 10th January. Photographs available	"Accidents", D Krämer, BLS, Dec. 2000. Reporter contact details available. Also	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm	
44	Ice throw	21/01/1997	Stein-Neukirch, Westerwald/Kreis/Theinland-Pfalz	Germany		Ice from Lichtenthäler turbine landed on road. Ice pieces "bigger than A4 paper" missed colleague by only 2m, travelled 80m	"Accidents", D Krämer, BLS, Dec. 2000. Letter from Mayor of Stein-Neukirch dated 22/1/1997	http://wilfriedheck.tripod.com/2unf.htm	
45	Blade failure	18/02/1997	Island of Nordstrand, Kreis North Friesland/Schleswig-Holstein	Germany	HSW-250	Blade parts flew over 300m across a road. Two of three blades came off.	Newspaper "Nordfriesland Tageblatt" 20/2/1997. Also "Accidents", D Krämer, BLS, Dec. 2000. Also Windpower Monthly May 1997	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm	
46	Blade failure	21/02/1997	Waldaubach, Westerwald/Hessen	Germany	Enercon	Rotor blade blown off. Blade parts found 400m to 500m away. Parts landed in summer house. Date is of newspaper	"Accidents", D Krämer, BLS, Dec. 2000. Eyewitness report -- contact details available.	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm	
47	Fatal - blade failure	04/04/1997	Kaiser-Wilhelm-Koog, Schleswig-Holstein	Germany	HSW 600KW prototype	Bernhard Saxen, 42, inside prototype turbine at KWK test field. Blade parts flew up to 500m. Part of turbine housing also blown off, killing Bernhard.	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe Also Windpower Monthly May 1997 and September 1997. Newspaper "Nordwest-Zeitung" 5/4/1997.	http://www.wind-works.org/articles/BreathLife.html	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm
48	Blade failure	12/04/1997	Großenwiehe /Wanderup, Schleswig-Holstein	Germany	Tacke	Large blade part (66%) travelled >50m. Road only 20m away.	"Accidents", D Krämer, BLS, Dec. 2000. Eyewitness report -- contact details available.	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm	
49	Fatal	01/08/1997	Sibley, Iowa	USA	500kw	Randy Bruce Crumrine, 36, crane operator, tower crane collapsed, crushed to death. August 1997 - actual day not known	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe Also Windpower Monthly August 1997	http://www.wind-works.org/articles/BreathLife.html	

50	Ice throw	29/11/1997	Willmandinger Alb/Himmelberg, Kreis Reutlingen/Baden-Württemberg	Germany		Damage to car on road by "tennis-ball" sized piece of ice. Date is of newspaper	Newspaper report – "Suuwest Presse", 29/11/1997, Reutlingen edition. Also "Accidents", D Krämer, BLS, Dec. 2000	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
51	Blade failure	15/12/1997	Taff Ely, Mid Glamorgan, Wales	UK		Blades damaged by lightning during December 1997. Date simply taken as mid-point for the month.	New Review, Issue 36, May 1998.	http://www.dti.gov.uk/NewReview/nr36/html/wind.html	
52	Blade failure	15/12/1997	Four Burrows, Cornwall, England	UK	Bonus 300kw	Blades damaged by lightning during December 1997. Date simply taken as mid-point for the month.	New Review, Issue 36, May 1998.	http://www.dti.gov.uk/NewReview/nr36/html/wind.html	
53	Miscellaneous	24/12/1997	Mynydd-y-Cemmaes, Powys, Wales	UK	WEG 300kw	Turbine had its transformer door blown off which left direct access to 660 volt machinery. Turbine remained operational with the door off for at least 3 days. Date confirmed by independent witnesses	Cambrian News 8 Jan 1998	http://www.dti.gov.uk/NewReview/nr36/html/wind.html	
54	Fire	24/12/1997	Mynydd-y-Cemmaes, Powys, Wales	UK	WEG 300kw	Turbine overheated then burnt out. Witnesses reported "balls of fire" coming from the turbine. Burning debris was thrown 150 meters, setting the hillside and a public right-of-way on fire. (Separate turbine to above)	Cambrian News 8 Jan 1998. Also Windpower Monthly February 1998	http://www.dti.gov.uk/NewReview/nr36/html/wind.html	
55	Miscellaneous	25/12/1997	Mynydd-y-Cemmaes, Powys, Wales	UK	WEG 300kw	Serious damage to most of the turbines observed following the storm and fire the previous day. Witnesses reported only 4-5 turbines operating out of 24. One witness finally reported the incident to Fire Brigade, Police and HSE on 29th December. None had been informed by the operators.	Private account. Also Cambrian News 8 Jan 1998.		
56	Blade failure	27/12/1997	Dollrodtfeld, Schleswig-Holstein	Germany	Tacke, 600 KW	Blade broken off. Road only 20m away. Photographs available. Date is of newspaper	Newspaper "Schleswiger Nachrichten" 27/12/1997. Also "Accidents", D Krämer, BLS, Dec. 2000.	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
57	Structural failure	05/03/1998	Simonsberg near Husum, Kreis North Friesland/Schleswig-Holstein	Germany	Enercon E40	Rotor and housing fell 42m off turbine tower. Date is newspaper date	Newspaper "Husumer Nachrichten" 5/3/1998. Also "Accidents", D Krämer, BLS, Dec. 2000. Also Windpower Monthly June 1998	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
58	Lightning	31/05/1998	Green Mountain Power Wind Power Project, Searsburg, Bennington, VT	USA	11 x Zond 550kW turbines, 40m diam, 40m tower	AWEO reports that in May 1998, lightning damaged 8 turbines. Confirmed by the EPRI report referenced. 2 suffered cracked blades, the remained suffered other damage. It took 4 months to replace the blade on Turbine 7.	American Wind Energy Association report - see URL. Also "Green Mountain Power Wind Power Project. First Year Operating Experience: 1997-1998, TR-111437, Final Report, December 1998, EPRI."	http://www.aweo.org/windsearsburg.html	http://epriweb.com/public/TR-111437.pdf
59	Structural failure	09/06/1998	Gujarat, Between Ahmadabad and Bombay	India	Various: e.g. Bonus, Vestas, Micon	129 of 315 turbines destroyed.	Various newspaper articles. This followed a major storm (cyclone). Also "Accidents", D Krämer, BLS, Dec. 2000. Also Windpower Monthly September 1998	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
60	Lightning	01/09/1998	Green Mountain Power Wind Power Project, Searsburg, Bennington, VT	USA	11 x Zond 550kW turbines, 40m diam, 40m tower	EPRI report states damage to SCADA equipment during September 1998, resulting in 12 hours downtime.	"Green Mountain Power Wind Power Project. Second Year Operating Experience: 1998-1999, TR-113917, Final Report, December 1999, EPRI."	http://epriweb.com/public/TR-113917.pdf	
61	Fire	20/09/1998	Saron, Kreis Demmin/Mecklenburg/Vorpommern	Germany		Turbine housing completely destroyed by fire. Public damage - car also destroyed.	Newspaper "Lübecker / Mecklenburger Nachrichten" 20/9/1998. Also "Accidents", D Krämer, BLS, Dec. 2000	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
62	Blade failure	18/10/1998	Goonhilly, Helston, Cornwall, England	UK		Blades hit by lightning – "considerable damage"	"Accidents", D Krämer, BLS, Dec. 2000. Photographs available.		
63	Structural failure	27/12/1998	Llangwryfon, Dyfed, Wales	UK	WEG MS-3 300kw	Two blades ripped from hub. Tower bent. Blade pieces travelled 500m.	"Winds blow turbine from tower" Windpower Monthly March 1999. Also "Accidents", D Krämer, BLS, Dec. 2000.		
64	Fatal - driver distraction - public fatality	1999	Erneuter Tödlicher Autounfall bei Ertstadt-Erp, Westphalia	Germany		Second of three public fatalities at the same location put down to driver distraction. Accident spot is where turbines become visible to drivers - on circular road 33 (Kreisstraße 33)	Kölnner Stadtanzeiger-Ertkreis from 8.3.2003	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
65	Ice throw	05/01/1999	Gebrannten Rücken, Bromskirchen, Frankenberg County, Hessen	Germany		Damage to car by ice. Approx. 20 pieces of ice from a turbine 100m away.	"Accidents", D Krämer, BLS, Dec. 2000. Eyewitness report – contact details available.	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	

66	Structural failure	16/01/1999	Rebgeshain, Vogelsbergkreis, Hessen	Germany	Enercon E-40	Blade and turbine fell 63m off turbine tower. Attributed to failure of securing "kingpin" bolt. Same failure as 1/3/99 incident below	Windpower Monthly March 1999, May 1999 and July 1999. Also "Accidents", D Krämer, BLS, Dec. 2000. Letter to building inspection authorities in Nordrhein-Westfalen, 12/3/99. Also press release by BLS 25/3/99. Also Newspaper "Ostfreisische Nachrichten", Aurich, 26/3/99 and report by Enercon to Harlingerland 8/4/99, plus newspaper "Jeverisches Wochenblatt" 8/4/99.	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
67	Blade failure	05/02/1999	Renkenberge, Kreis Emsland /Niedersachsen, Lower Saxony	Germany	Micon 64/1500 1.5MW	Blade parts blown off. Parts found 100m away	"Accidents", D Krämer, BLS, Dec. 2000. Also newspaper "Meppener Tagespost" 4/3/1999. Photos	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
68	Blade failure	05/02/1999	Wilsickow, Kreis Uckermark/ Brandenburg	Germany	AN Bonus, 1MW	At least 20 separate blade parts up to 1m recorded – blown to greater than 300m	"Accidents", D Krämer, BLS, Dec. 2000.	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
69	Blade failure	05/02/1999	Hachenburg, Westerwald-Kreis/Rheinland-Pfalz	Germany	Fuhrländer, 250 KW	Blade parts flew almost 40m and fell near heavily used footpath. Possible lightning cause.	Newspaper "Rhein-Zeitung", Westerwälder Zeitung edition, 6/2/99 – article title "How dangerous are wind turbines?" Also "Accidents", D Krämer, BLS, Dec. 2000.	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	http://wilfriedheck.tripod.com/2unf.htm
70	Blade failure	05/02/1999	Burmönken, Kreis Wittmund/ Niedersachsen	Germany	Tacke 600 KW	Blade broken off. Blade parts flew off	"Accidents", D Krämer, BLS, Dec. 2000. Photos.	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
71	Blade failure	05/02/1999	Lathen, Ems County, Lower Saxony	Germany	NEC Micon64, 1.5kW	Frozen rotor blade detached from main rotor and disintegrated. Parts flew 100m	Meppen's Daily Mail of 4/4/99. Also Gerd Jansen.	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
72	Blade failure	05/02/1999	Wijnaldum	Holland	Vestas, V 39/500	Lightning strike destroyed turbine blades	WSH-WINDNIEUWS. Also "Accidents", D Krämer, BLS, Dec. 2000.	http://home.wxs.nl/~windsh/nieuws.html	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm
73	Blade failure	05/02/1999	Lelystad	Holland	4 x Windmaster 43/750	Blade parts of 4 turbines badly damaged by lightning.	WSH-WINDNIEUWS. Also "Accidents", D Krämer, BLS, Dec. 2000.	http://home.wxs.nl/~windsh/nieuws.html	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm
74	Blade failure	05/02/1999	Saglæra in Halland	Sweden	Vestas	Blade part flew almost 150m	Newspaper "Hallandsposten" 12/3/1999. Also "Accidents", D Krämer, BLS, Dec. 2000.	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
75	Blade failure	16/02/1999	Sustrum, Kreis Emsland/ Niedersachsen	Germany	Micon 64/1500 1.5MW	7m to 8m long blade part flew >200m. More than 10 other pieces up to 1m long were recovered. 32 similar turbines at two sites shut down by manufacturer due to safety reasons	"Accidents", D Krämer, BLS, Dec. 2000. Also newspaper "Meppener Tagespost" 4/3/1999.	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
76	Blade failure	01/03/1999	Allstedt/Nienstedt (Galgenberg), Kreis Sangerhausen/ Sachsen-Anhalt	Germany	GET 41	Two blade parts >20m long blown off and travelled >150m. Photos.	Newspapers "Mitteldeutsche Zeitung" 2/3/1999 and "Volksstimme" 3/3/1999. Also "Accidents", D Krämer, BLS, Dec. 2000	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
77	Structural failure	01/03/1999	Helpershain, Vogelsbergkreis, Hessen	Germany	Enercon E-40	Blade and turbine fell off turbine tower. 63m drop. Attributed to failure of securing "kingpin" bolt. Same failure as 16/1/99 incident above. 17 identical turbines shut down.	Windpower Monthly March 1999, May 1999 and July 1999. Also "Accidents", D Krämer, BLS, Dec. 2000. Letter to building inspection authorities in Nordrhein-Westfalen, 12/3/99. Also press release by BLS 25/3/99. Also Newspaper "Ostfreisische Nachrichten", Aurich, 26/3/99 and report by Enercon to Harlingerland 8/4/99, plus newspaper "Jeverisches Wochenblatt" 8/4/99.	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
78	Fire	01/03/1999	Eemmerdijk	Holland		"Turbine fire at Eemmerdijk" Date is for magazine publication	Windpower Monthly March 1999		
79	Blade failure	12/04/1999	Blankenheim, Kreis Sangerhausen/ Sachsen-Anhalt	Germany	Tacke TW 600	Blade fell to ground.	Newspaper "Mitteldeutsche Zeitung" 13/4/1999. Also "Accidents", D Krämer, BLS Dec. 2000.	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
80	Ice throw	27/04/1999	Grebenhain, Lauterbach	Germany		Pieces of ice thrown 70 to 80m from turbine during the week prior to 27 April.	Newspaper report "Lauterbacher Anzeiger" 27/4/1999. Also "Accidents", D Krämer, BLS Dec. 2000		
81	Ice throw	27/04/1999	Engelrod Helpersheim with Grebenhain/ Vogelsbergkreis, Hessen	Germany		Ice thrown 80m between Engelrod and Helpersheim. Large ice plates	Source: forest officer Jurgen Fornof. Grebenhain	http://members.aol.com/fswemedien/ZZUnf/alldatei_97_99.htm	
82	Blade failure	01/05/1999		Germany	NEG Micon 1.5MW	Lightning damaged wood epoxy blades. Date is for magazine publication	Windpower Monthly May 1999. Also "Accidents", D Krämer, BLS, Dec. 2000		

83	Lightning	01/07/1999	Green Mountain Power Wind Power Project, Searsburg, Bennington, VT	USA	11 x Zond 550kW turbines, 40m diam, 40m tower	4 turbines damaged. EPRI report states considerable control system damage to turbines 1 & 10 and further damage to turbines 7 & 9 by two lightning storms during July 1999.	"Green Mountain Power Wind Power Project. Second Year Operating Experience: 1998-1999, TR-113917, Final Report, December 1999, EPRI."	http://epriweb.com/public/TR-113917.pdf	
84	Fire	20/9/1999	Zielenser Weg, Grafenschaft Kreis Friesland / Niedersachsen, Lower Saxony	Germany	GET 600kW	Turbine completely burnt out. Fire crew could do nothing due to height of fire and danger from falling debris. Turbine 4 years 4 months old	Newspaper "Jeversches Wochenblatt" 21/2/99. Also "Accidents", D Krämer, BLS, Dec. 2000	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm	
85	Miscellaneous	07/10/1999	Spieka-Neufeld, Gemeinde Nordholz, Landkreis Cuxhaven	Germany		Weather ring 1.3m diameter fell 53m off the turbine. Poor maintenance blamed. Photos.	Newspaper "Nordsee-Zeitung", local Landkreis edition 13/10/99. Also "Accidents", D Krämer, BLS, Dec. 2000	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm	
86	Human injury / Structural failure	23/10/1999	Lake Isabella, Bakersfield, CA	USA	STS was installing a Bergey Excel on an 80-foot (24-meter) guyed lattice tower near Lake Isabella for Buckeye Farms	Cause not determined. Turbine toppled while being erected - on to operator. Operator suffered spinal injuries and is wheelchair bound. Another fell 15 feet and suffered minor injuries.	Newspaper "Bakersfield Californian" 23/10/1999. Also Aagaard web page. Web article quotes 19 deaths from working on wind turbines over 25 years	http://www.wind-works.org/articles/Aagaard.html	
87	Blade failure	07/11/1999	Heath/ Schleswig-Holstein	Germany		Brake system failure. 25m blades turning 4x normal speed. 60 residents within 500m evacuated between 6th and 7th November	Reuters 7.11.99	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm	
88	Blade failure	03/12/1999	Sievern-Langden, Kreis Cuxhaven	Germany	AN Bonus 1MW/54	Blade blown off. Parts travelled 200m.	Newspaper "Nordsee-Zeitung" 6/12/1999. Also "Accidents", D Krämer, BLS, Dec. 2000.	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm	
89	Structural failure	03/12/1999	Bocholt-Hemden, Bocholt-Hemden	Germany		The 15kg turbine tip flew off and travelled more than 50m. Flew over road.	"Accidents", D Krämer, BLS, Dec. 2000. Eyewitness account – contact details available. Photos.	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm	
90	Structural failure	03/12/1999	Jutland	Denmark	Various, including Windmatic, Wincon, Bonus, Vestas, Nordtank & Kuriant	Storm destroyed 8 turbines. Commonest accident - brake failure, rapid rotation followed by fire	On line report from Dutch website. Reporter details also available. Also "Accidents", D Krämer, BLS, Dec. 2000	http://home.wxs.nl/~hzwarber/wind/welkom.html	
91	Blade failure	03/12/1999	Zennhusen	Germany		Two turbines damaged by lightning – one lost a blade and two others were shattered.	Newspaper "Dithmarscher Landeszeitung" 4/12/99. Also "Accidents", D Krämer, BLS, Dec. 2000	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm	
92	Blade failure	04/12/1999	Westermarsch II, Norddeich, Lower Saxony	Germany	Enercon E33	Rotor blade destroyed by lightning strike. Photos.	Newspaper "Emder Zeitung", Aurich, 8/12/1999. Also "Accidents", D Krämer, BLS Dec. 2000	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm	
93	Structural failure	09/12/1999	Eemshaven	Holland	Kenetech (US)	Two rotor blades fell off in a period of weeks. 94 turbines shut down.	On line report from Dutch website. Reporter details also available. Also "Accidents", D Krämer, BLS, Dec. 2000. Also newspaper "Ostfriesen-Zeitung" 11/12/1999. Photos.	http://home.wxs.nl/~hzwarber/wind/welkom.html	
94	Structural failure	12/12/1999	Lichtenau-Asseln, Paderborn, Nordrhein-Westfalen	Germany	Sudwind S 46/600 kw	60m high turbine tower broke 10m above the ground. Rotor parts and parts of the 46m blades travelled up to 200m.	Newspaper "Westfalenblatt", Paterborn, 13/12/1999. Photos. Also Newspaper "Westfalenblatt", Paterborn, 18/12/1999. Also Weekly paper "Landwirtschaftliche Wochenblatt" No. 52/99, p29-30. Also FOCUS 18/12/1999, p13 "Low pressure in first half of December converted many wind turbines into dangerous metal centrifuges". Also "Accidents", D Krämer, BLS, Dec. 2000.	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm	
95	Blade failure	19/12/1999	Stöffin, Neuruppin	Germany	Südwind	Blade bend, hit tower and shattered. Pieces over a circle of about 50m diameter	Newspaper "Berliner Morgenpost" 22/12/1999. Also Newspaper "Gransr-Zeitung" 4/1/2000. Also "Accidents", D Krämer, BLS, Dec. 2000.	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm	http://home.wxs.nl/~windsh/nieuws.html
96	Blade failure	22/12/1999	Leewarden	Holland	NEDWIND NW 46/3/500	Serious damage to rotor blades after lightning strike	Newspaper "Leewarden Courant" 23/12/1999. Also "Accidents", D Krämer, BLS, Dec. 2000	http://home.wxs.nl/~windsh/nieuws.html	http://members.aol.com/fswemedien/ZZUnfalldatei_97_99.htm

97	Structural failure	2000	Port la Nouvelle, Aude	France		Turbine mast broke during a storm. No further details. There are 5 turbines on the site - 4 x 500kW constructed in September 1993, and 1 x 200kW constructed in 1991. No details of which type was destroyed. The first of several such French incidents which led to a formal investigation of wind turbine safety	"Rapport sur la sécurité des installations éoliennes", Conseil général des Mines, N° 04-5. Ministère de l'économie des finances et de l'industrie, République Française, July 2004.		
98	Fire	04/01/2000	Dörpen, Papenburg, Lower Saxony	Germany	Tacke TW 600a	Turbine fire - cordoned off by police. Blades could not be shut down and continued to turn. Turbine head totally destroyed. 21m 3.8Te blades rotated uncontrollably at speed and on fire for many hours	Newspaper "Ems-Zeitung", Papenburg, 6/1/2000. Photos. Also "Accidents", D Krämer, BLS, Dec. 2000	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
99	Public injury - ice throw	10/01/2000	St Hülfe / Heede, Niedersachsen	Germany		Local vet Dr. Victoria Roloff injured on shoulder by thrown ice, 50m from turbine. Public injury. Also reports of damaged cars - holes in roof	Newspaper "Diepholzer Kreisblatt", Niedersachsen, 12/1/2000. Eyewitness account and contact details available. Photo. Also "Accidents", D Krämer, BLS, Dec. 2000	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://wilfriedheck.tripod.com/2unf.htm
100	Lightning	11/01/2000	Green Mountain Power Wind Power Project, Searsburg, Bennington, VT	USA	11 x Zond 550kW turbines, 40m diam, 40m tower	AWEO reports that in January 2000, lightning damaged a turbine which could not be repaired until the following April. The EPRI report provides more detail - the date was January 11th and the turbine lost a blade as a result.	American Wind Energy Association report - see URL. Also "Green Mountain Wind Power Project. Third Year Operating Experience 1999-2000", US DOE, EPRI	http://www.aweo.org/windsearsburg.html	http://epriweb.com/public/0000000000100960.pdf
101	Fire followed by structural failure	20/01/2000	Lichtenau Kreis Paderborn, Westphalia	Germany	Sudwind S 46/600 kw	Lightning strike, followed by fire. Mast then split approx 10m above base. Total loss.	Developer's website: http://erneuerbareenergien.de/0200/blitzschlag.html	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://www.jbendfeld.de/crash.htm
102	Blade failure	21/01/2000	Samsø, Aalborg, Jutland	Denmark	55 kW Nordtank	Complete rotor and housing with blades broken. One of the blade pieces went through a window and landed in a swimming pool at 200 metres distance; another piece was thrown 600 metres.	On line report at Dutch website. Also Paul Gipe "Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates". Also Stichting Windhoek 21/1/00	http://home.wxs.nl/~hzwarber/wind/welkom.html	http://www.wind-works.org/articles/BreathLife.html
103	Structural failure	29/01/2000	Jutland	Denmark	Various	Storm destroyed three turbines. Commonest accident - brake failure, rapid rotation followed by fire	On line report from Dutch website. Reporter details also available. Also "Accidents", D Krämer, BLS, Dec. 2000	http://home.wxs.nl/~hzwarber/wind/welkom.html	
104	Structural failure	10/02/2000	Wittmund, Harlingerland	Germany	Enercon E32	Sudden and total collapse of turbine. Spokesman quoted "concrete damage". Reported to be the "fourth turbine break within 8 weeks". 44 similar turbines shut down	Press statement by Joachim Schmidt, Enercon, via Reports for Harlingerland, 20/4/2000. Also "Accidents", D Krämer, BLS, Dec. 2000	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
105	Structural failure	15/02/2000	Wehe den Hoorn bei Groningen	Holland	Lagerwey	Tower collapsed during storm. Total loss. All 44 Lagerwey turbines in Holland stopped from 15 February and were still stopped at 8 April 2000.	Groninger Dagblad 8.4.2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
106	Structural failure	11/03/2000	Wieringerwaard/Kolhorn in West-Friesland	Holland	Newinco in Rhene, 30m tower	Between 10 and 11 March, turbine destroyed by storm. Tower collapse. Total loss.	Dagblad voor West-Friesland 13.3.2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
107	Electrical failure	13/03/2000	Groetpolder, Niedorp	Holland	Micon 600kW	19 turbines shut down due to short-circuit. Melting insulation on wiring reported. Date is of newspaper article	Dagblad voor West-Friesland 13.3.2002	http://home.wxs.nl/~hzwarber/wind/welkom.html	
108	Human injury	01/04/2000	Palm Springs, CA	USA	Seawest Windpower Inc	Operator suffered severe burns from electrical fault in fuse holder. Hospitalised for 10 days with second and third degree burns.	From US Safety (OSHA) database.	http://www.osha.gov/pls/imis/accidentsearch.accident_detail?id=119947315	
109	Structural failure	15/04/2000	Cold Northcott, Cornwall, England	UK	WEG MS-3 300kw	Entire wind power station (22 turbines) closed during April due to metal fatigue. Date simply used as mid-point for the month	"Accidents", D Krämer, BLS, Dec. 2000. Also "Review of MS3 Turbines at Cemmaes, Cold Northcott and Llangwryfon, Part 3: Structural/mechanical audit", WS Atkins report L4104.003/R03		
110	Structural failure	15/04/2000	Mynydd-y-Cemmaes, Powys, Wales	UK	WEG MS-3 300kw	Entire wind power station closed during April due to metal fatigue. Date simply used as mid-point for the month	"Accidents", D Krämer, BLS, Dec. 2000. Also "Review of MS3 Turbines at Cemmaes, Cold Northcott and Llangwryfon, Part 3: Structural/mechanical audit", WS Atkins report L4104.003/R03		

111	Structural failure	15/04/2000	Llangwryfyon, Dyfed, Wales	UK	WEG MS-3 300kw	Entire wind power station closed during April due to metal fatigue. Date simply used as mid-point for the month	"Accidents", D Krämer, BLS, Dec. 2000. Also "Review of MS3 Turbines at Cemmaes, Cold Northcott and Llangwryfyon, Part 3: Structural/mechanical audit", WS Atkins report L4104.003/R03		
112	Fire	02/05/2000	Zurndorf bei Eisenstadt/Burgenland	Austria		Fire destroyed turbine - cause unknown, suspected lightning strike or mechanical source. 2 blazing rotors blades fell to ground. Over 100 firemen watched over night - could do nothing else due to fire height. Total loss.	Austrian report on internet	http://members.aol.com/fswemedien/ZZUnfaldatei_00_02.htm	
113	Fatal	27/05/2000	Lenkenfeld, Fehmarn, Schleswig-Holstein	Germany	Enercon 500kw	23 year-old parachutist on first solo jump drifts into turbine. Public fatality. She jumped at 1200m and the parachute opened normally at 1100m. Turbine was 4km from the intended landing site	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe Also Windpower Monthly July 2000. Also Schweriner newspaper 31.5.2000	http://www.wind-works.org/articles/BreathLife.html	http://members.aol.com/fswemedien/ZZUnfaldatei_00_02.htm
114	Blade failure	28/05/2000	Insel Norderney / Niedersachsen, Lower Saxony	Germany	Enercon E15	Storm tore the rotor nacelle and cover off. One blade travelled between 100m and 150m, landing on a factory and private house (family Zilles). It pierced a 24cm thick stone wall, timber floor and roof of the house. Luckily, the factory was closed due to holidays, and the family were absent on vacation. Turbine was constructed in 1986. The turbines were subsequently shut down on 30 August 2000 following a court ruling on safety grounds and that they were too close to housing.	Anzeiger für Harlingerland, 29.5.2000	http://members.aol.com/fswemedien/ZZUnfaldatei_00_02.htm	http://wilfriedheck.tripod.com/2unf.htm
115	Lightning	01/06/2000	Green Mountain Power Wind Power Project, Searsburg, Bennington, VT	USA	11 x Zond 550kW turbines, 40m diam, 40m tower	The EPRI report confirms that 2 turbines suffered extensive control system damage following a lightning strike in June 2000.	"Green Mountain Wind Power Project. Third Year Operating Experience 1999-2000", US DOE, EPRI	http://epriweb.com/public/00000000000100960.pdf	
116	Component failure	10/07/2000	Limburg-Offheim im Kreis Limburg-Weilburg/Hessen	Germany	DeWind	Problems with transformer at the wind park causes major power fluctuations in the nearby towns. Reports of computers, TVs and fridges damaged. Eventual mains failure which was restored some time later.	Nassauische Neue Presse from 11.7.2000	http://members.aol.com/fswemedien/ZZUnfaldatei_00_02.htm	
117	Fatal (4 deaths)	29/07/2000	Baraboo, WI	USA	150 foot high turbine	"Plane crash kills 4 men SW of Baraboo". The plane was flying in fog and hit a wind turbine. Authorities found marks on a 150-foot wind generator pole.	Milwaukee Journal Sentinel JOnline, 29th July 2000	http://www2.jsonline.com/news/state/jul00/crash29072800a.asp	
118	Driver distraction	29/07/2000	Hamm-Sieg	Germany		Road "L290 to be defused" article in local newspaper. On a 4km stretch of the L290 road where wind turbines are clearly visible, 73 accidents reported over 4 years. Four accidents very serious but none fatal. Components and ice reported thrown over 400m, onto and over the road. Date is of newspaper article	"Rhein-Zeitung", Lokalteil Westerwald-Sieg, 29 July 2000	http://wilfriedheck.tripod.com/2unf.htm	
119	Blade failure	30/10/2000	Utgast in Ostfriesland / Niedersachsen, Lower Saxony	Germany	Tacke 600 KW	21m long blade section weighing 2 tonnes flew approx 100m. Turbine had passed an inspection only 4 weeks before. Constructed in 1996	Anzeiger für Harlingerland, 31.11.2000	http://members.aol.com/fswemedien/ZZUnfaldatei_00_02.htm	http://wilfriedheck.tripod.com/2unf.htm
120	Component failure	06/11/2000	Barth bei Heide, Kreis Dithmarschen / Schleswig-Holstein	Germany		Failed hydraulic valve - turbine running at 100rpm - over twice normal speed. Could not be shut down in the wind. 20 houses evacuated overnight until turbine was shut down.	Dithmarschener Landeszeitung / Brunsbütteler Zeitung	http://members.aol.com/fswemedien/ZZUnfaldatei_00_02.htm	
121	Component failure	01/12/2000			Nordtank 600kw	Gearbox failure warning - 270 turbines guaranteed to fail within 5 years Date is of magazine publication	Windpower Monthly December 2000		
122	Structural failure	09/12/2000	Burgos, Merindales	Spain	GamesaEólica G-47 660kw	Tower fractured after being struck by blade on 9 December 2000. According to the online article, blade parts travelled almost 1000m	Windpower Monthly February 2001. Also online photos (see right)	http://ventdubocage.net/accident4.htm	

123	Transport (fatal)	19/12/2000	Erwitte - Westfalen	Germany		20-year old car driver killed in accident with loaded turbine transporter. The transporter was turning and blocking the entire road. No warnings were given and the 20-year old driver could not stop in time. Operators considered the use of police escort unnecessary. Public fatality.	Lippstädter Zeitung - Der Patriot vom 20.12.2000	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://wilfriedheck.tripod.com/2unf.htm
124	Component failure	05/01/2001	Windpark Opitzhöhe bei Groß-Opitz bei Dresden / Sachsen, Saxony	Germany	Sudwind N3127	Failed pin between gearbox and turbine. Turbine dates from 1995.	Operators own website	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://www.windfang-sachsen.de
125	Structural failure	15/01/2001	Castile	Spain	GamesaEólica G-47 660kw	Nacelle rotor toppled from tower during January. Date simply used as mid-point for the month	Windpower Monthly February 2001		
126	Structural failure	15/01/2001	León	Spain	GamesaEólica G-47 660kw	Tower damaged during January. Date simply used as mid-point for the month	Windpower Monthly February 2001		
127	Environmental damage	08/03/2001	Martinshöhe bei Kaiserslautern / Rheinland-Pfalz	Germany		Leak of hydraulic oil into the surrounding ground. Had to be cleaned up by a specialist firm.	Die Rheinpfalz 10.3.01	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
128	Blade failure	15/03/2001	Oederquart bei Stade / Niedersachsen, Lower Saxony	Germany	Vestas V66	33m blade piece broke off and travelled 100m. Cause - pin breaking. Turbine only 2 years old. Investigation by Vestas into 200 other V66 turbines in Germany found similar defects at Emden.	Stader Tageblatt	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://www.tageblatt.de/db/main.cfm?DID=37532
129	Fire	19/03/2001	Goldenstedt im Kreis Vechta / Niedersachsen, Lower Saxony	Germany	GET 600	Technical defect quoted as source of fire. Fire brigade could not fight the fire at 75m height so it was left to burn out. Total loss. Turbine constructed in 1997. Also it could have been worse (near miss) - a natural gas plant is only 200m from the turbine. For this reason, the turbine has never been replaced. Charred remains still stood in October 2002	Oldenburger Volkszeitung (Vechta) from 20.3.2001	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
130	Human injury - member of public	09/10/2001	Brithdir Mawr eco-commune, Newport, Wales	UK	African Air Corporation turbine	"Film crewman hurt in turbine accident". Injury to UK member of public. A BBC film crew member was airlifted to a Cardiff hospital after being hit by part of a wind turbine at the Brithdir Mawr eco-commune near Newport. The man, a sound recorder, was working on a series of educational programmes called Made in Wales. The turbine was being dismantled for inspection after the blades had stopped turning. The cameraman and the sound recorder were both under the turbine as it was lowered. The entire head of the turbine fell and hit the sound recorder on the back. The incident has been blamed on a sheared drive shaft. The injured man was taken to Worthybush Hospital under police escort, and was later confirmed to have spinal injuries. In June 2007, it was confirmed that the man is now wheelchair bound. He was awarded damages from the BBC.	Preported in the Western Telegraph, Tuesday 9th October 2001. Follow up article on damages award from BBC website 22 June 2007.	http://archive.westerntelegraph.co.uk/2001/10/9/7757.html	http://news.bbc.co.uk/1/hi/wales/6231084.stm
131	Blade failure	22/11/2001	Wybelsum, Stadt Emden / Niedersachsen, Lower Saxony	Germany	Enercon E66	33m long blade part weighing 4 Tonnes broke off and fell to the ground. Turbine only 2 years old.	Bid am Sonntag 16.12.2001	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
132	Blade failure	06/12/2001	Dirlammen bei Lauterbach/Vogelsberg kreis / Hessen	Germany	AT Bonus 1.3MW/62	Large blade part 4m x 1m broke off and travelled 150m. Landed only 50m from a road	Landratsamt Lauterbach + Lauterbacher Anzeiger from 7.12.2001	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
133	Blade failure	21/12/2001	Bad Doberan / Mecklenburg-Vorpommern (unter Vorbehalt)	Germany		Preliminary details only. Turbine blade broke off. Nearby motorway A20 closed off.	Ingrid Lange, Rostock and internet	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	

134	Component failure	24/12/2001	Windpark Opitzhöhe bei Groß-Opitz bei Dresden / Sachsen, Saxony	Germany	Sudwind N3127	Failed pin between gearbox and turbine. Second occurrence. Turbine dates from 1995.	Operators own website	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://www.windfang-sachsen.de
135	Lightning	1999 - 2001	Lincoln Township, WI	USA	Vestas V-47 660kW	Reports of turbine blade failure and also damage to nearby homes and property	Excerpts from the Final Report of the Township of Lincoln Wind Turbine Moratorium Committee	http://www.glebe-mountaingroup.org/Articles/Lincoln120403.doc	
136	Blade failure	22/01/2002	Blyth, Northumberland, England	UK	Vestas, operated by Amec	Broken blade on first UK offshore turbine. Broke in 70mph wind. Photos	"Wind farm closed after blade snaps", BBC news on-line. Also Windpower Monthly February 2002	http://news.bbc.co.uk/1/hi/england/1777268.stm	
137	Component failure	25/01/2002	Windpark Opitzhöhe bei Groß-Opitz bei Dresden / Sachsen, Saxony	Germany	Sudwind N3127	Failed pin between gearbox and turbine. Third occurrence. Turbine dates from 1995.	Operators own website	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://www.windfang-sachsen.de
138	Fire	27/01/2002	Westernieland, Groningen	Holland		Fire at night - cause unknown. Total loss.	Groninger Dagblad 28.1.2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
139	Structural failure	28/01/2002	Husum / Schleswig-Holstein	Germany	Windrad HSW 250	Turbine completely destroyed during storm. 28m tower. 25 Tonnes.	Husumer Nachrichten, 30.1.02. Also Weisbaden news online 29/1/2002. Photos	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://www.wiesbaden-online.de/on/02/01/29/topnews/sturm2.html
140	Blade failure	28/01/2002	Remlingen bei Wolfenbüttel / Niedersachsen, Lower Saxony	Germany	Enercon	Blade shattered with an audible "crack". Pieces scattered across the surrounding fields	Wolfenbütteler Zeitung 29.1.02 + Bürgermeister Siegbert Pfeifer (eyewitness)	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
141	Blade failure	01/02/2002	Wormhout (Nord)	France	400kW	A blade was torn off during a storm. Date uncertain - quoted as February 2002. Only one turbine detailed for the site - 400kW - constructed in October 1997.	"Rapport sur la sécurité des installations éoliennes", Conseil général des Mines, N° 04-5. Ministère de l'économie des finances et de l'industrie, République Française, July 2004.	http://ventdubocage.net/accident.htm	http://www.suivi-eolien.com/francais/SUIVI/SVD/statistiques.htm
142	Component failure	09/02/2002	Windpark Opitzhöhe bei Groß-Opitz bei Dresden / Sachsen, Saxony	Germany	Sudwind N3127	Failed pin between gearbox and turbine. Fourth occurrence. Turbine dates from 1995.	Operators own website	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://www.windfang-sachsen.de
143	Structural failure	19/02/2002	Javenloch bei Carolinensiel / Niedersachsen, Lower Saxony	Germany	Lagerwey 250kW	Blades and turbine blown off tower. Blades were 27m long - large parts travelled 235m. Photos show this. The turbine housing fell onto a transformer and also destroyed it.	Nordwest-Zeitung, Jever. Photos available online	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://wilfriedheck.tripod.com/javenh.htm
144	Blade failure	22/02/2002	Huppelbroich, Gem. Simmerath bei Aachen, Westphalia	Germany		Turbine blade torn off during snow storm. 7.5m blade part reported to travel 40m. Turbine 10 years old.	Ingenbroich-Nachrichten, 26.2.2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
145	Fire	23/02/2002	Großhabersdorf-Vincenzenbronn bei Fürth / Bayern, Bavaria	Germany		Lightning strike set turbine blade ablaze. Fire brigade could do nothing due to the 70m height. Left to burn out. Burning blade parts reported travelling several hundred meters. Confirmed the following morning. Burning parts not extinguished by driving sleet.	Nürnberger Nachrichten, Sackaktuell Vogstreichenbach and CSU Ammendorf. Spectacular photos of blazing turbine at night	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://mitglied.lycos.de/radiosack/Sackaktuell/ackuell.html
146	Fire	23/02/2002	Oostburg, South West Holland	Holland	NedWind 500kW	Lightning strike suspected as source. Complete loss. Turbine 9 years old. Burning debris also destroyed a nearby transformer. Nearby towns without power.	BN/De Stem 25 febr 2002, Dagblad voor Zuidwest - Nederland. Also Windpower monthly, April 2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
147	Ice throw	26/02/2002	Sefferweich bei Bitburg / Rheinland-Pfalz	Germany		Ice thrown during a meeting of CDU state parliament delegates with the site operator. No-one hurt. No further details	Trierischer Volksfreund - online	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
148	Fire	09/03/2002	Heiden in Kreis Borken, Westphalia	Germany		Fire in connecting substation at foot of turbine. Extinguished successfully.	Fire brigade report 9/3/2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://www.feuerwehr-heiden.de/wehr/einsatz/2002/einsatz.htm
149	Blade failure	13/03/2002	Dörenhagen bei Paderborn, Westphalia	Germany	NEG Micon 750kW	Loss of blade at night during storm. One blade section 30m long weighing 5.5 Te fell off. Smaller blade parts covered an area 400m from the turbine. Turbine only 2.5 years old	Neue Westfälische, Ausgabe OWL, and www.nw-news.de 13/3/2002. Photos	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://members.aol.com/hieronimusbosch2/rotorblattschaden_30cmbreit.jpg
150	Public injury	13/03/2000	Rio Vista, CA	USA		Pilot was flying in an area cluttered with wind turbines and powerlines. He hit a line and plunged 120 feet. Lucky to be alive but should not have been flying in the area in the first place.	AERIAL GUNNING CRASH REPORT, USDA/APHIS/WILDLIFE SERVICES, Wendy Keefover-Ring Sinapu, 1989-2005, Accident and Injury Summary	http://www.goagro.org/crash.htm	

151	Fire	15/03/2002	Yttre Stengrund	Sweden	NEG Micon	Fire burnt out turbine in March 2002. Replaced in May 2002. Offshore. Date simply used as mid-point for the month	Windpower Monthly, May 2002		
152	Fire	19/03/2002	Strocken im Landkreis Döbeln / Sachsen, Saxony	Germany	Vestas V66	Fire started 5pm and could not be fought by the fire brigade due to the height. Left to burn out. Total loss. One of 5 x V66 fires in Germany during 2002	Döbeler Anzeiger, 20.3.2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://members.aol.com/fswemedien/doebel.jpg
153	Blade failure / lightning	20/03/2002	Nettetal-Oirlich im Kreis Viersen, Westphalia	Germany	DeWind 46	Lightning strike removed 1m of blade. Constructed in 1999	Westdeutsche Zeitung, 17.5.2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
154	Transport	01/03/2002	Fargo, North Dakota	USA		Reported in November 2007 "In March 2002, one hit the underside of the west and eastbound I-94 overpass as it was traveling on I-29 through Fargo."	Reported in The Forum by Associated Press 24 November 2007	http://www.windaction.org/news/12847	
155	Blade failure	08/04/2002	Großröhrsdorf im Landkreis Kamenz / Sachsen, Saxony	Germany		"Technical defect" led to blade damage. Turbine shut down and blade had to be replaced	Sächsische Zeitung 9/4/2002 and SP-online 9/4/2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://mitglied.lycos.de/WilfriedHeck/defekt.htm
156	Fire	20/04/2002	Bad Wünnenberg-Haaren (Helmer) bei Paderborn, Westphalia	Germany	Vestas 1.5MW 108m overall height (V80?)	Turbine fire 300m from A44 motorway. No wind that day so luckily no debris scattered over wide area. Fire brigade could not fight the fire at 78m height - was left to burn out. Burning debris around periphery of turbine. Motorway closed for over 12 hours. Turbine constructed in 2000. Total loss	Lots of coverage - www.nw-news.de Neue Westfälische, Ausgabe OWL / WDR Studio Bielefeld - Fernsehen and Radio. Photos available.	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
157	Blade failure	29/04/2002	Lohe bei Lippstadt im Kreis Soest, Westphalia	Germany	Enercon	Blade broke off during storm	Lippstadter newspaper - Der Patriot, 30.4.2002. Photos	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://members.aol.com/hieronymusbosch2/loherotorbruch.jpg
158	Structural failure	15/05/2002	Colorado, CO	USA	WTC	Crack from first accident led to blade striking tower in second accident. First accident in May 2002. An electronic device failure and a control system software glitch caused a blade to strike the tower. Date simply used as mid-point for the month	Info from developers own website	http://www.windturbinecompany.com/milestones/	
159	Fire	12/06/2002	Holzheim bei Diez im Rhein-Lahn-Kreis (Bad Ems) / Rheinland-Pfalz	Germany		Fire spread from blazing car to neighbouring wind turbine and destroyed parts and cables in the lower part of the tower. Further spread stopped by fast action of the Fire Brigade.	Nassauische Neue Presse, 14.6.2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
160	Environmental	30/06/2002	Navarra	Spain		"Bird Death Claims Cloud Positive Poll". Environmentalists accused the Navarro government of a cover up after unearthing information indicating that over sixty times as many birds deaths occurred as a result of wind turbines than was previously admitted. Environmental group Gureler found the data in an official report which was not made public, and are questioning the results of a recent opinion poll carried out by Spains biggest wind developer, Energia Hidroelectrica de Navarra (EVN), which claimed extremely favourable pro-wind results.	Wind Power Monthly, June 2002		
161	Human injury	01/07/2002	Sigean, Aude	France	660KW	Mechanic electrocuted after metal tool contacted a live transformer connection. The survived but was badly burned and shocked. He facility was closed for 4 months during accident investigation. Turbines operational from May 2000	"Rapport sur la sécurité des installations éoliennes", Conseil général des Mines, N° 04-5. Ministère de l'économie des finances et de l'industrie, République Française, July 2004.		
162	Fatal	10/07/2002	Eemmeerdijk, Zeewolde, Flevoland	Holland	1MW	Two men reported to fall 10m within the turbine tower. The one above fell on his fellow worker and was killed on the spot. The survivor had serious head and neck injuries. No names or ages given.	Wind Energy - The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe. Updated May 2005. Also newspapers Trouw 11 July 2002, Veluwsch Dagblad 10 July 2002, and Veluws Dagblad, 11 July 2002 "Man dies after fall from windmill".	http://www.traumahelikopter.nl/load.htm?Kanten/2002/juli.htm	

163	Fire	04/08/2002	Katzenberg bei Meißen / Sachsen, Saxony	Germany	Vestas V66	SZ-online reports fire on a brand-new turbine still undergoing commissioning. Total loss. No thunder or lightning recorded. The developers website records a light thunderstorm. Turbine had zero operational hours. Vestas investigated but no report was made public. One of 5 x V66 fires in Germany during 2002	SZ-online 5/8/2002 and local information. Also "Spectacular damage with MW plants" Developer's website	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://www.iqwindkraft.at/aktuell/a_archiv2.htm
164	Human injury	05/08/2002	Heidenheim, Kreis Weißenburg-Gunzenhausen, Bavaria	Germany		53 year old member of public severely injured during accompanied visit to 100m tower. Failed safety device. He fell 10m then ended up hanging by his legs with his ear torn off. Emergency surgery required to get the man removed from the tower. Public injury.	Nürnberger Nachrichten, 6/8/2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
165	Lightning	06/08/2002	Limburg-Offheim im Kreis Limburg-Weilburg, Hessen	Germany	DeWind 600kW	Lightning strike hit turbine. No obvious outward damage. Shut down until sometime between 22 August and 19 October when repair was completed. Constructed July 2000	Eye witness report	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
166	Lightning	07/08/2002	Windpark Extertal im Landkreis Lippe, Westphalia	Germany	Jacobs MD-77	Lightning strike led to complete loss of plant. Constructed December 2001. No further details	Developers web site	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://www.wind7.de
167	Fire	08/08/2002	Brokstedt, Schleswig-Holstein	Germany	Vesta V66	Lightning struck the tower and caused a fire. Fire brigade unable to do anything due to the height - had to let it burn out. Debris from burning blades dropping over local environment. Turbines operational since December 1999. One of 5 x V66 fires in Germany during 2002	"Lightning burns out nacelle" - Windpower Monthly October 2002. Also Nordfriesland news sheet dated Friday 9 Aug 2002. Also local radio.	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://www.iqwindkraft.at/aktuell/a_archiv2.htm
168	Fire	15/08/2002	Schleswig-Holstein	Germany	Vesta V66	Heavy thunderstorm and substantial lightning reported. Total loss. August 2002 (mid-point date assumed). One of 5 x V66 fires in Germany during 2002	"Spectacular damage with MW plants" Developer's website		http://www.iqwindkraft.at/aktuell/a_archiv2.htm
169	Fire	01/09/2002		Denmark	Elsam 2MW	"Elsam 2MW fire" Date is for magazine publication	Windpower Monthly September 2002		
170	Structural failure	09/09/2002	Ulrichstein Hershain	Germany	NEG Micon M1500	Rotor broke off completely at the hub. Weighing several tonnes and with a diameter of 44m, it fell from 50m height on to a local track. Six identical turbines shut down for safety checks. Turbine in place since 1996.	Windpower Monthly October 2002. Local TV coverage (video and photos available) and various press releases	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
171	Fire	24/09/2002	Elm bei Schlüchtern im Main-Kinzig-Kreis, Hessen	Germany	ENRON (ex Tacke)	Transformer at the foot of the turbine went on fire due to "technical defect"	Kinzigtal message of 25/9/2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
172	Fire	01/10/2002		Holland	Vestas	"Fire in Vestas turbine prompts wind farm retrofit". Date is for magazine publication	Windpower Monthly October 2002		
173	Fire	03/10/2002	Sillenstede-Grafschaft bei Jever im Kreis Friesland, Lower Saxony	Germany	GET 600kW	Fire brigade could not fight fire due to height, so left to burn out. Flaming debris ignited nearby hay. Constructed 1995/96	Jever weekly newspaper 11/10/2002. Photos available online	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://members.aol.com/hieronymbosch2/grafschaft1.jpg
174	Fire	22/10/2002	Kell am See bei Hermeskeil im Kreis Trier-Saarburg / Rheinland-Pfalz	Germany	Grogmann	Police alerted by passing driver. Fire brigade could not fight fire due to height. Left to burn out, but in the strong wind flying sparks and broken rotor parts were reaching the main road (distance unknown). Main road closed for 11 hours. Constructed 1988	Local radio broadcast 23/10/2002. Also Trierer newspaper 24/10/2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
175	Blade failure	26/10/2002	Erkelenz-Holzweiler im Kreis Heinsberg, Westphalia	Germany	NEG Micon	Rotor blade bent and fell to ground. Nearby farm evacuated. Constructed in 2000.	Aachener messenger newspaper 27/10/2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
176	Blade failure	27/10/2002	Kaiserslautern	Germany		Storm damage to blade - blade broke off. It was later admitted by operators that there was a known defect in the blade prior to storm but they had ignored it.	Rheinpfalz of 28/10/2002 and 30/10/2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	

177	Blade failure	27/10/2002	Loehme, Werneuchen, Brandenburg	Germany		Storm tore off two of three blades on a turbine at Loehme (Barnim). Pieces hurled "far" but no distance data.	Berlin newspaper of 28/10/2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
178	Blade failure	27/10/2002	Duelken, Viersen, Westphalia	Germany	NEG Micon	Blade bent then broke in storm	Rheini Post 28/10/2002 and CR Viersen 28/10/2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
179	Structural failure	27/10/2002	Goldenstedt Ellenstedt, Lower Saxony	Germany	GET 41a 600KW. Hub height 70m, rotor diameter 41m	Turbine completely toppled in storm - concrete base pulled out of ground. Operational since 1/1/1997. Weights: rotor = 10.3Te, hub = 26Te, tower 80Te.	TV news NDR 27/10 and 28/10. Also Oldenburg newspaper. Extensive photos available.	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://members.aol.com/hieronymusbosch2/ellenstedtpresse.jpg
180	Blade failure	28/10/2002	Tauernwindpark Oberzeiring, Steiermark	Austria	Vesta V66	Turbine blades on turbine being installed damaged during storm. Winds reported at 130 km/hr.	Developer's website	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://www.iqwindkraft.at/aktuell/a_archiv2.htm
181	Structural failure	29/10/2002	Navøygavlén	Norway	Nordex	Nacelle and rotor severed from the tower following problems with control system. Operators appear to have over-riden the safety system on the turbine brakes	Nordex AG statement dated 5 Nov 2002. Also Ventus Vigor wind energy portal online. Also "Accidents", D Krämer, BLS, Dec. 2000	http://www.ventusvigor.com/modules.php?name=News&file=article&sid=121	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm
182	Blade failure	04/11/2002	Tjaereborg, Esbjerg	Denmark	Vestas V80 2.0 MW	All three blades damaged. Turbine still being commissioned. Wind speed only 5-8 m/s (Force 4)	Nordfriesland paper of 6.11.2002. Ventus Vigor wind energy portal online. Also Windpower Monthly December 2002	http://www.ventusvigor.com/modules.php?name=News&file=print&sid=122	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm
183	Lightning	05/11/2002	Laubuseschbach, Limburg, Hessen	Germany	Fuhrländer	Lightning strike paralysed turbines and knocked out a rotor blade for brand new turbines not yet commissioned. The site has a high lightning strike rate and the development was rushed through by the local authority	Weilburger daily newspaper 13/11/2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
184	Transport	15/11/2002	Hersfeld/Huenfeld, Hessen	Germany	Not applicable	56 tonne turbine section fell off overnight from transporter on public road	Darmstaedter Echo 16/11/2002. Also Weilburger Daily 16/11/2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://mitglied.lycos.de/WilfriedHeck/unfall2.htm
185	Transport	19/11/2002	Dahlenburg, Lueneburger	Germany	Not applicable	Transporter sagged but fortunately did not fully tilt. Main road to Dahlenburg Tosterglope closed until the following morning	Lueneburger newspaper of 20/11/2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
186	Structural failure	19/11/2002	Wachusett Wind Site, Princeton, MA	USA	Anemometer	Anemometer tower 130 feet high collapsed following an ice storm. The tower had been installed in July 2000. It was only 110 feet from a public trail.	Brief on the dangers of ice and structural failure at the proposed Wachusett reservation windfarm, presented to: The Joint Committee on Bonding, Capital Expenditures and State Assets at a public hearing on Bill S.40, Tuesday, July 5, 2005. With photos.	http://www.princetonwindfarm.com/Wachusett%20Mountain%20Wind%20Farm%20Danager%20Brief.pdf	
187	Transport	03/12/2002	Oberlieck, Heinsberg	Germany	Not applicable	"Turbine transport causes substantial damage". Road, roundabout and housing badly damaged after turbine transporter slid on roundabout. Road between Breberen and Saeffelen closed for 3 hours.	Aachener messenger newspaper 4 Dec 2002	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	
188	Ice throw	08/12/2002	Muensingen, Reutlingen, Wuerttemberg	Germany		Ice throws observed and photographed up to 130m from turbine on Dec 7th and 8th 2002. Pieces weighing up to 1.6kg	Private website with photographs and records	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm	http://mitglied.lycos.de/WilfriedHeck/eiswurf7.htm
189	Structural failure	18/12/2002	Schneeberg, Kirchheimbolanden	Germany	Vestas V80 2.0MW	Complete collapse of tower during commissioning. Turbine had been up for 2 weeks. Put down to faulty welding	Press release by Vestas (see online). Also Windpower Monthly January 2003. Also Rheinpalz 19.12.2002. Photos	http://www.vestas.com/nyheder/presse/2002/UK/pres20021220uk.html	http://members.aol.com/fswemedien/ZZUnfalldatei_00_02.htm
190	Blade failure - structural failure	28/12/2002	Nevian, Aude	France	600KW, 75m total height	Blade torn off during storm followed by collapse of the turbine mast. The turbine was being installed at the time. The second of several such French incidents which led to a formal investigation of wind turbine safety	"Rapport sur la sécurité des installations éoliennes", Conseil général des Mines, N° 04-5. Ministère de l'économie des finances et de l'industrie, République Française, July 2004.	http://ventdubocage.net/accident.htm	http://ventdubocage.net/accident10.htm
191	Construction	31/12/2002	Horns Rev offshore wind park	Denmark	Vestas	Horns Rev was constructed during 2002. A presentation by the contractors reports zero fatalities, one lost time accident (therefore worker injury), six lost time accidents, and 39 near misses during the construction project.	"The Horns Rev Offshore Contractors" presentation to BWEA, safety section by Esbjerg Safety Consultants, page 16.	http://www.owen.eru.rl.ac.uk/documents/BWEA24/Nielsen31_Pres.pdf	
192	Fire	2002	Bonnerup	Denmark	NEG Micon	No details of incident. Provision of analysis and advice to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20%20Solutions/Wind%20turbines/index.html	

193	Fire	2002	Silkeborg	Denmark	DMP Molleservice	No details of incident. Restoration of analysis and advice to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20olutions/Wind%20turbines/index.html	
194	Fire	2002	Silkeborg	Denmark	DMP Molleservice	No details of incident. Provision of analysis and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20olutions/Wind%20turbines/index.html	
195	Fire	2002	Silkeborg	Denmark	Bonus Energy	No details of incident. Provision of analysis and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20olutions/Wind%20turbines/index.html	
196	Fire	2002	Lindesnes	Norway	NEG Micon	No details of incident. Provision of analysis, advice and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20olutions/Wind%20turbines/index.html	
197	Fire	2002	Silkeborg	Denmark	Bonus Energy	No details of incident. Restoration of analysis and advice to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20olutions/Wind%20turbines/index.html	
198	Fire	2002	Hejnsvig	Denmark	NEG Micon	No details of incident. Provision of analysis, advice and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20olutions/Wind%20turbines/index.html	
199	Fire	2002	Silkeborg	Denmark	Bonus Energy	No details of incident. Provision of analysis, advice and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20olutions/Wind%20turbines/index.html	
200	Miscellaneous	2003	Bouin en Vendée	France	2MW	Turbine bases found to have cracks and breaks. Constructed in 2002, operational from June 2003.	Internet		
201	Environmental damage	27/01/2003	Ober-Flörsheim bei Alzey im Kreis Alzey-Worms / Rheinland-Pfalz	Germany		Turbine constructed in December 2002 and leaking oil into the surrounding land. Attempts to capture the oil with granules failed. Quantity of oil not known. Local newspaper reported the leak which had been ongoing for over 1 month when discovered	Rhein-Mainer from 29.1.2003 + http://huegelland.tripod.com/	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
202	Component failure	01/02/2003		Canada	Nordex 1.3MW	"Gearbox failure damages turbine". Date is of magazine publication	Windpower Monthly February 2003		
203	Fire	02/02/2003	Geesthacht im Kreis Herzogtum Lauenburg / Schleswig-Holstein	Germany	Enercon	Total destruction of 40m tower and turbine by fire. Fire was un-noticed and the fire brigade were not called out. Total loss.	TAZ Hamburg, 3.2.2003	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
204	Blade failure	25/02/2003	Salles-Limousin, Aude	France	750kW	Three blades broke off during storm - from three separate turbines. Turbines were constructed in July 1998. Following the incident, 7 out of the 10 turbines on this site were shut down and were eventually dismantled	<i>"Rapport sur la sécurité des installations éoliennes", Conseil général des Mines, N° 04-5. Ministère de l'économie des finances et de l'industrie, République Française, July 2004. Also La Dépêche of 26 February 2003</i>	http://translate.google.com/translate?hl=en&sl=fr&u=http://www.juracretes.ch/centre1.asp/1-3-1301-145-83-1/0-0-884-147-70-0/&prev=/search%3Fq%3DSaill%25C3%25A8les%2Bpales%2Bbris%25C3%25A9es%26hl%3Den%26lr%3D%26sa%3DG	http://ventdubocage.net/accident.htm
205	Structural failure	01/03/2003	Wachusett Wind Site, Princeton, MA	USA	Anemometer	Anemometer tower 165 feet high collapsed. The tower had been installed two months previously. Date uncertain - simply says "March 2003"	Brief on the dangers of ice and structural failure at the proposed Wachusett reservation windfarm, presented to: The Joint Committee on Bonding, Capital Expenditures and State Assets at a public hearing on Bill S.40, Tuesday, July 5, 2005. With photos.	http://www.princetonwindfarm.com/Wachusett%20Mountain%20Wind%20Farm%20Danager%20Brief.pdf	
206	Fatal - driver distraction - public fatality	07/03/2003	Erneuter Tödlicher Autounfall bei Ertstadt-Erp, Westphalia	Germany		Third of three public fatalities at the same location put down to driver distraction. 25 year old driver of red Audi. Accident spot is where turbines become visible to drivers - on circular road 33 (Kreisstraße 33)	Kölnner Stadtanzeiger-Erftkreis from 8.3.2003	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	

207	Structural failure	05/04/2003	Reinsberg im Kreis Freiberg / Sachsen, Saxony	Germany	Tacke 600a, 600kW, hub 70m, rotor diameter 46m	A spring storm totally destroyed a turbine. Automatic shut down failed and it ran out of control prior to destruction. Rotor blade points computed to reach speeds of 800km/hr. Blade pieces were found 500m away from the turbine. Houses are situated 400m from the turbine - luckily in the opposite direction. Surrounding roads were closed off. Year of construction 1999. Oil also spilled into the surrounding ground (see separate entry)	MDR-Radionachrichten of 5.4.2002. Also internet http://www.freiepresse.de/TEXTE/NACHRICHTEN/REGIONAL/ERZGEBIRGE/FREIBERG/TEXTE/590200.html and http://www.sz-online.de/nachrichten/artikel.asp?id=468790 Also see detailed internet report with photos (second right)	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	http://www.gemeinde-reinsberg.de/tipps/aktuell_2.htm
208	Environmental damage	05/04/2003	Reinsberg im Kreis Freiberg / Sachsen, Saxony	Germany	Tacke 600a, 600kW, hub 70m, rotor diameter 46m	Turbine destroyed by storm spilled oil over a wide area. This is in a protected area for drinking water supply. Possible prosecution threatened (no information on whether it was carried out)	MDR-Radionachrichten of 5.4.2002. Also internet http://www.freiepresse.de/TEXTE/NACHRICHTEN/REGIONAL/ERZGEBIRGE/FREIBERG/TEXTE/590200.html and http://www.sz-online.de/nachrichten/artikel.asp?id=468790 Also see detailed internet report with photos (second right)	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	http://www.gemeinde-reinsberg.de/tipps/aktuell_2.htm
209	Fire	15/04/2003	Greußen im Kyffhäuserkreis / Thüringen	Germany	RePower 1.5 MW	The first of 2 fires at the same turbine within 3 weeks. This one was in the switchgear housing within the tower. Year of construction 2003	Thüringer Allgemeine, 12.5.2003. Photos.	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
210	Component failure	21/04/2003	Iven im Kreis Ostvorpommern / Mecklenburg-Vorpommern	Germany		Rotor exchange required due to mechanical problems	Nordkurier, 30.7.2003	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
211	Environmental damage	04/05/2003	Dortmund-Eichlinghofen, Westphalia	Germany	General Electric 1.5MW, 100m hub, 77m rotor diameter	Oil leak into surrounding ground reported over several days	Homepage from 8.5.03 http://www.eichlinghofen-online.de/Aktuelles/aktuelles.html#Wind	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
212	Fire	11/05/2003	Greußen im Kyffhäuserkreis / Thüringen	Germany	RePower 1.5 MW	Lightning strike assumed - loud "bang" reported at 0500. Fire brigade called out but could do nothing because of the height. 4m piece of blazing blade reported to fall off. Year of construction 2003. Earlier fire at same turbine on 15/4/2003	Thüringer Allgemeine, 12.5.2003. Photos.	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	http://members.aol.com/hieronymusbosch2/Greussen.htm
213	Blade failure	08/06/2003	Damme im Landkreis Vechta / Niedersachsen, Lower Saxony	Germany	Vestas V80	Lightning dame to turbine blades. Blade parts scattered over approx 150m area from the turbine. Blade pieces collected by operators who denied damage. Turbine built in 2001	Eyewitness reports and local newspaper Photos	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
214	Blade failure	23/06/2003	Wöhrden im Kreis Dithmarschen / Schleswig-Holstein	Germany	WKN - Windkraft Nord KG, Hedwigenkoog	Damage reported to windpark following local tornado on evening of June 23rd 2003	Reported in national newspaper Dithmarschener Landeszeitung / Brunsbütteler Zeitung from 25.6.03	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
215	Structural failure	15/06/2003	Colorado, CO	USA	WTC	The May 2002 accident caused an undetected crack in the turbine's rotorshaft and led to a second accident in June 2003. Date simply used as mid-point for the month	Info from developers own website	http://www.windturbinecompany.com/milestones/	
216	Blade failure	14/07/2003	Köstorf im Kreis Lüneburg / Niedersachsen, Lower Saxony	Germany		Despite being fitted with lightning conductors, a lightning strike damaged turbine blades. Blade tips were broken off. Witnesses report a very loud "bang" when the lightning hit.	Lüneburger Zeitung, 15.7.2003	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
217	Blade damage	15/07/2003	Kirburg bei Bad Marienberg / Rheinland Pfalz	Germany		Lightning strike to two turbines - damage to multiple blades on each.	Eyewitness reports and 65594 Runkel. Photos	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
218	Environmental damage	18/07/2003	Lemgo Kreis Lippe, Westphalia	Germany	DeWind	Leak of 160 litres of hydraulic fluid into the surrounding ground. It ran down the mast and also to the end of each blade and so was distributed over a wide area. The area is a protected area used for drinking water supply.	Eyewitness, police and fire brigade reports	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	

219	Construction	28/07/2003	Windpark Fiebig/Ostfriesland	Germany		80 tonne, 25m crane fell over during turbine assembly	Ostfriesische Nachrichten 1.8.2003	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
220	Fire and human injury	30/07/2003	Castilla y León	Spain		Two workers badly burned following a fire in the windfarm control room. A 26 year old worker had first and second degree burns on 91% of his body - 30% on his face and neck. A second 30 year old worker suffered first and second degree burns on 60% of his body - 20% on his face and neck. The report says that the fire cause is unknown and that the second worker was burned trying to help the first.	Reported in Libertad Digital in January 2008	http://libertaddigital.com/index.php?action=asesanoti&cpn=1275767476	
221	Fire	14/08/2003	Feineburg bei St. Joost	Germany		Headline in newspaper reads "Fire at Wind Turbine". Fire reported at St Joost windpark, close to many hay bales. The fire brigade has to hose down the surrounding bales and ground to stop the fire spreading.	Jeversches Wochenblatt vom 15.8.03	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
222	Fire and explosion	15/08/2003	Schwochel bei Ahrensböök im Kreis Ostholstein / Schleswig Holstein	Germany	Vestas V62 850KW	Three mechanics were working on the turbine when they noticed a fire. They escaped but had to undergo hospital treatment for fume inhalation. An explosion followed which destroyed the turbine housing. This was later put down to brake failure (the turbine was spinning out of control).	Lübecker Nachrichten, 22.8.03. Also see http://members.aol.com/hieronymusbosch2/LuebeckerNachrichten2.GIF	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	http://members.aol.com/hieronymusbosch2/LuebeckerNachrichten1.GIF
223	Blade failure	23/08/2003	Opitzhöhe nahe Groß-Opitz bei Dresden / Sachsen, Saxony	Germany		Lightning damage to blade tip. Turbine safely shut down. Blade eventually replaced	Sächsische Zeitung, 29.8.03	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
224	Fatal - explosion - fire	18/09/2003	Tres Vaqueros Wind Farm, Byron, Alamont Pass, CA	USA	Howden 330 kW, built in 1985	Marty Evans, 34. At the time of the accident the employee was performing a manual switching operation on a pad-mounted electrical transformer. An explosion occurred during the switching operation. The employee died the following day from injuries sustained in the explosion. The explosion ignited a fire at the base of the turbine, for which the California Department of Forestry (CDF) was immediately notified.	Kititas County, Desert Claim Wind Power Project, Final EIS, Chapter 3, page 3-165. Also Wind Energy - The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe	http://www.co.kittitas.wa.us/cds/feis/FEIS/Chapter3/3.8Health.pdf	http://www.wind-works.org/articles/BreathLife.html
225	Fatal	15/10/2003	Neuruppen, Brandenburg	Germany	Enercon E66	Un-named, 25-year old man, working on ladder rail, disconnected rail, fell 30m through platform, hit head on lower platform rail.	Wind Energy - The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe. Also Prinztiger Zeitung newspaper 16/10/2003, message broadcast 15/10/2003 and newspaper death notice	http://www.wind-works.org/articles/FallfromE66.html	http://members.aol.com/fswemedien/ZZUnfalldatei.htm
226	Environmental damage - property damage	16/10/2003	Derrybrian, County Galway	Ireland		In October 2003, a major landslide involving more than a half million cubic metres of peat took place over a distance of two kilometres at Derrybrian, County Galway, damaging property and killing an estimated 50,000 fish. The landslide was caused by work on Ireland's largest wind-farm project. The EC are taking Ireland's government to the European Court of Justice over the incident, which the EC describes as an "environmental disaster" Ref EIH 14-April 2005 - see http://www.eihp.hr/english/detailnije.php?id=126	RTE News 17 Oct 2003. See: http://www.rte.ie/news/2003/1017/landslide.html . Also photos in North Atlantic news	http://www.monasette.com/archive/000252.html	http://www.revolt.co.uk/new/news179.php

227	Environmental	31/10/2003	Eastern US states (general)	USA		"Alarming Evidence of Bat Kills in Eastern US - serious levels of bat mortality at wind turbine sites". Scientists have called for the wind industry to help reduce serious bat mortality rates after it emerged that bat kills are a major and unexpected problem at wind turbine sites in Eastern US. Th issue came to a head after the death of what was described as an "alarming" number of bats at a single wind farm over a four week period.	Wind Power Monthly, October 2003.		
228	Blade failure	01/11/2003	Wachusett Wind Site, Princeton, MA	USA	120 foot tower	All three blades disintegrated on existing wind tower generator. An anchoring pin gave way, allowing the tower to tilt forward until the rotating blades struck the tower. The blades disintegrated showering the area with debris - some up to 5 feet long. Date uncertain - simply refers to "November 2003"	Brief on the dangers of ice and structural failure at the proposed Wachusett reservation windfarm, presented to: The Joint Committee on Bonding, Capital Expenditures and State Assets at a public hearing on Bill S.40, Tuesday, July 5, 2005. With photos.	http://www.princetonwindfarm.com/Wachusett%20Mountain%20Wind%20Farm%20Danager%20Brief.pdf	
229	Fire	08/11/2003	Sitzerath bei Nonnweiler im Kreis St. Wendel / Saarland	Germany		Turbine fire at 80m height. Mechanical source quoted "probably the engine overheated" said police. Fire brigade could do nothing due to the height of the fire. Surrounding districts closed off until the fire burned itself out.	Saarbrücker Zeitung, 10.11.03	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
230	Blade failure	15/11/2003	Salles-Limousis, Aude	France	750kW	Three turbines with broken blades, 48m high, 43m diameter blades. 21.7m blade piece weighing 2 tonnes thrown. Smaller pieces thrown as far as 100m from turbine.	Midi Libre, Saturday 15 Nov 2003	http://ventdubocage.net/accident9.htm	
231	Blade failure	15/12/2003	Windpark Klein-Wassens bei Jever, im Kreis Friesland / Niedersachsen, Lower Saxony	Germany	Vestas V80	Damage to rotor blade by lightning. Residents informed police. Turbine safely shut down with blade remaining attached.	Anzeiger für Harlingerland 16.12.2003 (front page) and Jeverisches Wochenblatt 16.12.2003	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
232	Blade failure	16/12/2003	Windpark Grevenbroich bei Neuss, Westphalia	Germany		37m long blade section bent in storm. Turbine safely shut down. Blade did not fall off.	Rheinische Post and the Westdeutsche Zeitung, 17.12.2003	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
233	Blade failure	21/12/2003	Borkum offshore windpark	Holland		Navigation warning NR 94 210605UTC broadcast to warn shipping of four turbine blades which had been lost from the Borkum offshore windpark and were floating in the shipping lanes. Blades were 21 x of 1.5 meters; position 52-37.1N 003-17.5E - classified as dangerously for navigation	Emergency broadcast from Netherland Coastguard 21-12-2003	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
234	Blade failure / fire	23/12/2003	Zobes, Gemeinde Neuenstanz im Vogtlandkreis / Sachsen, Saxony	Germany	NED WIND 40m high	Lightning strike destroyed a blade and started a fire which destroyed part of the turbine housing. One blade badly bent, remained on the turbine. A second blade fell off. Constructed in 1994	"Freie Presse" and "Vogtlandanzeiger" from 27 and 28.12.2003. Photos.	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
235	Environmental	23/12/2003	Woolnorth Farm, Tasmania	Australia		"Bird death sparks Hydro Tas monitoring". An endangered wedge-tailed eagle was killed last week after colliding with a wind turbine. Site operators Hydro released a list of birds and bats killed since the turbines began operation in October 2002. In 14 months, 20 birds and 11 bats have died. The eagle killed last week was the only threatened species listed.	ABC News online, Tuesday Dec 23rd 2003	http://www.abc.net.au/news/newsitems/200312/s1015065.htm	
236	Fire	26/12/2003	Bad Wünnenberg bei Paderborn, Westphalia	Germany	Enercon E66 1.8MW	Fire started in the turbine housing and eventually two blazing blades fell off. Burning debris reported to travel several hundred meters. Fire brigade could do nothing because of the height.	"Neue Westfälische", "Westfalenblatt" and other local media from 27 and 28.12.2003. Photos	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	

237	Blade failure	29/12/2003	Windpark Boulogne-sur-Mer	France	Lagerwey 750kw	Blade parts weighing several tonnes fell onto an area used by local fishermen and walkers. "Pure luck" that no-one was injured. Area closed off to public. Boulogne prosecutors office undertaking investigation. Another French incidents which led to a formal investigation of wind turbine safety	Local newspapers in Boulogne-sur-Mer and internet site "www.eoliennes.net"	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	http://www.eoliennes.net/article.php?sid=1098
238	Fire	2003	Nakskov	Denmark	Bonus Energy	No details of incident. Restoration of fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
239	Fire	2003	Silkeborg	Denmark	Bonus Energy	No details of incident. Restoration of fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
240	Fire	2003	Middelgrunden, Copenhagen	Denmark	Bonus Energy	No details of incident. Provision of analysis, advice and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
241	Fire	2003	Silkeborg	Denmark	DMP Molleservice	No details of incident. Restoration of fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
242	Corrosion	2003	Middelgrunden, Copenhagen	Denmark	Bonus Energy	No details of incident. Provision of analysis and advice to corroded components on three wind turbines. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
243	Fire	2003	Tjaereborg, Esbjerg	Denmark	NEG Micon	No details of incident. Provision of analysis, advice and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
244	Fire	2003	Gedser	Denmark	Bonus Energy	No details of incident. Provision of analysis, advice and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
245	Fire	2003	Silkeborg	Denmark	Bonus Energy	No details of incident. Restoration of fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
246	Fire	2003	Nysted Havmøllepark, Gedser	Denmark	Bonus Energy	No details of incident. Provision of analysis, advice and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
247	Fire	2003	Hokkerup/Rinkenaes	Denmark	ESS	No details of incident. Provision of analysis, advice and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
248	Ice throw	1990 to 2003		Germany		880 cases of reported icing events from 1990 to 2003, 33% on the coastline and lowlands, 67% in the mountains	"A Statistical Evaluation of Icing Failures in Germany's '250 MW Wind' Programme – Update 2003, M Durstwitz, BOREAS VI 9-11 April 2003 Pyhänturi, Finland.		
249	Fatal	2004		Sweden	Vestas	"In 2004, Vestas Northern Europe experienced a fatal accident in Sweden. The cause of the incident has been investigated, and the investigation concluded that the wind turbine, the documentation of the working procedure and the training supplied were all in accordance with current demands. The accident occurred because safety regulations had been disregarded." Quote from Annual Report	Vestas 2004 Annual Report	http://www.vestas.com/pdf/miljoe/anlaegso mraader_uk/2004/48964%20VES%20Bla%20Videbaek%20UK.pdf	

250	Structural failure	01/01/2004	Portal, Boulogne-sur-Mer	France	Lagerwey 750kw	30m turbine collapsed during a storm. Two blade first broke off (2 days earlier?), followed by collapse of the turbine mast. Total loss. The third of several such French incidents which led to a formal investigation of wind turbine safety. Local newspaper reports 80 tonnes fell to ground.	Windpower Monthly May 2004. Also Dunkerque - Voix de Nord 2/2/2004. Also "Rapport sur la sécurité des installations éoliennes", Conseil général des Mines, N° 04-5. Ministère de l'économie des finances et de l'industrie, République Française, July 2004.	http://www.espace-eolien.fr/lille/centrportal.htm	http://ventdubocage.net/accident3.htm
251	Blade failure	09/01/2004	Windpark Roderhöhe bei Eupen, East Belgium	Belgium	Vestas V80 2MW	Lightning strike led to exploding blade. Also lightning damage reported to generator	Grenz-Echo ("Border Echo" - German language Belgian newspaper), 27.1.2004	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	
252	Lightning	15/01/2004	Windpark Oberstrahlbach	Austria	WEB Windenergie AG	25,000 euro damage reported after lightning damaged a turbine.	Web reference (on right)	http://www.igwindkraft.at/aktuell/a_archiv3.htm	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm
253	Blade failure	15/01/2004	Windpark Sas, Wilhelmindorp in der Provinz Zeeland	Holland		Three blades lost after lightning strike. Akl three blades exploded due to the heat of the strike.	Zeeland Local Radio of 16/1/2004	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	http://wilfriedheck.tripod.com/
254	Mechanical failure	06/02/2004	Haverlah - Samtgemeinde Schöppenstedt im Kreis Wolfenbüttel / Niedersachsen	Germany	Enercon	200,000 euro damage reported following failure of gondola turning mechanism on tower.	Reported in newspaper Salzgitter Zeitung from 13.2.2004	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	
255	Blade failure	09/02/2004	Oederquart bei Stade / Niedersachsen, Lower Saxony	Germany	Vestas V66	2 tonne piece of blade broke off and travelled 66m. Cause - pin breaking. Identical accident to one of 15/3/2001	Stader Tageblatt, 10.2.2004	http://members.aol.com/fswemedien/ZZUnf/alldatei_00_02.htm	http://www.tageblatt.de/db/main.cfm?DID=146283
256	Blade failure	09/02/2004	Groß Bieberau-Hippelsbach im Kreis Darmstadt-Dieburg / Hessen	Germany		Blades torn off during storm. Small 5kW turbine only, initially constructed as a pilot project in 1995	Darmstädter Echo, 10.2.2004	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	
257	Blade failure	22/02/2004	Puschwitz bei Bautzen / Sachsen, Saxony	Germany	Vestas V80	10m section of blade broken off by the wind, travelled 20m. A further 6m piece travelled 40m. Pieces confirmed to 200m from turbine. Constructed in 2001. A similar (almost identical) incident took place at the same site on 5/4/2004. Lightning damage in mid-February suspected to have weakened the blades.	Sächsische Zeitung, 24.2.2004	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	http://www.sz-online.de/nachrichten/artikel.asp?id=577567
258	Ice throw	26/02/2004	Lankern bei Dingden, nahe Hamminkeln Kreis Wesel, Westphalia	Germany		Four out of five turbines closed down because of danger to people from thrown ice. Up to 0.5m pieces reported but no distance data. Residents informed police who insisted on shutdown. Shutdown between 2 and 3 days	Bocholt-Borkener Volksblatt, 28.2.2004	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	
259	Structural failure	20/03/2004	Loon Plage, Port de Dunkerque	France	Lagerwey 300kw	30m high turbine collapsed during a storm on March 20. The third incident since the turbines were built in 1997. The turbines were later dismantled for safety reasons. Previous incidents include turbine collapse on January 1 and the breaking of a blade in February 2002 at Wormhout. Following this incident, the French carried out a formal investigation of wind turbine safety, published in July 2004	Windpower Monthly May 2004. Also Dunkerque - Voix de Nord 20/3/2004 and 21/3/2004. Also Rapport sur la sécurité des installations éoliennes. Conseil général des Mines, N° 04-5. Ministère de l'économie des finances et de l'industrie, République Française, July 2004.	http://ventdubocage.net/accident5.htm	http://www.espace-eolien.fr/lille/VDN_dunk.htm#Edition%20du%20Dimanche%2021%20Mars%202004
260	Blade failure	21/03/2004	Carolinensiel in Ostfriesland / Niedersachsen, Saxony	Germany	Tacke TW-600	Rotor blade bent during storm. Some pieces flew off. No further data.	Jeversches Wochenblatt 22.03.2004	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	
261	Blade failure	05/04/2004	Puschwitz bei Bautzen / Sachsen, Saxony	Germany	Vestas V80	10m section of blade broken off by the wind. TV pictures showed blade part hanging from the rotor. Constructed in 2001. Second such accident at the same site - previous one on 22/2/2004	MDR-Fernsehbericht with pictures from Tag, 6.4.2004	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	
262	Blade failure	01/05/2004	Bassen bei Oyten im Kreis Verden / Aller / Niedersachsen, Lower Saxony	Germany	Vestas V66	Lightning strike destroyed the blades, close to motorway A1.	Verdener Allerzeitung, 28.5.2004	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	

263	Blade failure	18/05/2004	Dautenheim bei Alzey im Kreis Alzey-Worms / Rheinland-Pfalz	Germany	54m rotor	Broken rotor reported. Turbines constructed in 2000.	Main-Rheiner from 18.6.2004	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
264	Fire	09/06/2004	Wulfshagen/Tüttendorf im Kreis Rendsburg-Eckernförde / Schleswig-Holstein	Germany	NEC MICON 2MW	Lightning strike caused the Tüttendorf turbine fire, despite lightning "protection" fitted to turbine. At 64m high, the fire brigade could do nothing but seal the area and watch. Federal highway 73 was closed for some time. Photos clearly show burning debris being spread across the area.	Spiegel Online, www.tagesschau.de and others	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
265	Mechanical failure	17/06/2004	Horns Rev offshore wind park	Denmark	Vestas	Report that all 80 offshore turbines at Horns Rev need to be taken ashore for repair due to transformer and generator failure.	Die Zeit from 17.6.2004 (supplement)	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
266	Blade failure	28/06/2004	St. Thegonnec, Pleyber Christ, Finistere, Brittany	France	300kW	Turbine blade bent and damaged its mast. First of two incidents in ten days. Safety concerns.	Ouest France, vendredi 9 juillet 2004. Also: Rapport sur la sécurité des installations éoliennes. Conseil général des Mines, N° 04-5. Ministère de l'économie des finances et de l'industrie, République Française, July 2004.	http://ade62.net/breve.php3?id_breve=9	
267	Mechanical failure	30/06/2004	Windy Hill wind farm, Ravenshoe, Cairns, Queensland	Australia	600kW Enercon, installed 1999-2000	Windy Hill Wind Farm turbines were found to have a type fault related to its main carrier bearing. The plant supplier replaced all affected parts and is working with Stanwell on a long-term solution to this issue. Date uncertain - sometime between July 2003 and June 2004	Stanwell Corporation 2004 Annual Report, July 2003-June 2004	http://www.stanwell.com/PDF/SCL_ANNUAL_REPORT_2004.pdf	
268	Blade failure	08/07/2004	St. Thegonnec, Pleyber Christ, Finistere, Brittany	France	300kW	Three pieces of blade from one of the five turbines were found in a field. Two pieces 2.5m long, the third piece 1.5m long. Second such incident in ten days. Safety concerns.	Ouest France, vendredi 9 juillet 2004. Also: Rapport sur la sécurité des installations éoliennes. Conseil général des Mines, N° 04-5. Ministère de l'économie des finances et de l'industrie, République Française, July 2004.	http://ade62.net/breve.php3?id_breve=9	
269	Fatal	16/07/2004	Wittmund in Ostfriesland / Niedersachsen, Lower Saxony	Germany	Enercon E66	34-year old Enercon service technician Alwin K. fell from the turbine to his death	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe. Updated May 2005. Also Death notice in Anzeiger für Harlingerland Wittmund and supplemental information	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
270	Human injury	28/07/2004	Windpark Schwirzheim nahe Büdesheim bei Prüm im Kreis Bitburg-Prüm / Rheinland-Pfalz	Germany		Blade part fell from a crane, injuring a 42-year old worker. He was on a platform 12m up at the time - knocked down to a height of 4m during the accident. He had to be rescued by fire brigade, and later underwent emergency surgery at Trier.	Polizeiinspektion Prüm and Trierischer Volksfreund from 29.7.2004	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
271	Fire	09/08/2004	Isselburg im Kreis Borken, Westphalia	Germany		Fire at 96m height in Isselburg. Cause unknown. Fire brigade could do nothing due to height. Surrounding area closed off until fire burned out. No injuries	Polizei Borken, Borkener Zeitung, Westdeutscher Rundfunk from 9.8.2004 and 10.8.2004	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	http://www.wdr.de/themen/panorama/brand01/windkraftanlage/index.jhtml
272	Fire	10/08/2004	Borkum offshore windpark	Holland		Fire in ship "Kingfisher" reported while undertaking geological investigations for the Borkum offshore windpark. 35 crew members reported safe	Reported in Jeversches Wochenblatt http://www.jewo-online.de/ from 11.8.2004	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
273	Blade failure	31/08/2004	Zeebrugge	Belgium		The three tonne propeller blade became detached and was blown 100 metres through the air. It landed not far from the nearby natural gas terminal. Date is of newspaper article	Het Gazet van Antwerpen 31 August 2004. Also Wind Farm Monthly, October 2004	http://www.expatica.com/source/site_article.asp?subchannel_id=48&story_id=11261	
274	Blade failure	01/09/2004	Helmshagen bei Greifswald / Mecklenburg-Vorpommern	Germany	Vestas	Blade thrown from turbine. No further details	Ostsee-Zeitung Greifswald from 3.9.2004	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	

275	Environmental	1/8/2004 to 13/9/2004	Charleston, WV	USA	Various	A study of wind farms in West Virginia and Pennsylvania estimates as many as 2,600 bats were killed by the whirling blades during a six-week period during 2004. Researchers estimate that between 13-hundred and nearly two-thousand bats were actually killed in that period at the Mountaineer Wind Energy site in Tucker County. The study estimates another 400 to 600 were killed at the Meyersdale Wind Energy Center in Pennsylvania. The site has 20 wind towers. Between August First and September 13th, 2004, researchers with the Bats and Wind Energy Cooperative found 765 dead bats on the ground at the Mountaineer site, which has 44 wind towers.	Eyewitness News, June 6 2005	http://www.wchstv.com/newsroom/wv/news/11.shtml	
276	Fatal	14/09/2004	Meyersdale, Somerset, PA	USA	1.6MW, probably Vestas, FPL site	52 year old Dane Niels Otto Andersen Sjolander was killed after falling 60 feet to his death. He had completed maintenance on the turbine and was being lowered to the ground when the turbine started turning and broke the arm of the crane. He was knocked out of the basket and fell to his death. Date given is of Associated Press report (see "Phillyburbs" weblink)	Wind Energy -- The Breath of Life or the Kiss of Death: Contemporary Wind Mortality Rates, by Paul Gipe. Updated May 2005. Also Wind Power Monthly, October 2004. Also Associated Press report 14/9/2004	http://www.phillyburbs.com/pb-dyn/news/103-09142004-365282.html	
277	Fire	26/09/2004	Klein Bennebeck, im Kreis Schleswig-Flensburg / Schleswig-Holstein	Germany		Fire during the night in turbine atop a 70m tower. Due to height, fire crews could only watch it burn out.	Source is url (see right)	http://www.fw-klein-bennebek.de/wbb2/thread.php?postid=201#post201	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm
278	Ice throw	14/11/2004	Carzig im Kreis Märkisch Oderland / Brandenburg	Germany		30cm pieces of ice reported thrown 75m to nearby road. No injuries. Ice thrown at turbine start up following shut-down due to ice formation!	Märkische Oderzeitung, 17.11.04	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	
279	Transport - public damage	25/11/2004	Niederkirchen bei St. Wendel / Saarland	Germany		45m turbine section rammed a house, causing significant damage. House had to be supported due to structural damage caused. Road closed for considerable time. Danish truck and driver.	Saarbrücker Zeitung-Ausgabe St. Wendeler Zeitung from 26.11.2004	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	http://members.aol.com/hieronymusbosch2/Niederkirchen_bericht.jpg
280	Fire	07/12/2004	Schaller, near Storm Lake, IA	USA	MidAmerican Energy	Firemen climb 213 feet tower to rescue two electrical workers following a fire. Fire started following refit and testing of components	"Firemen climb 213-ft Tower In Rescue", Dec 7 2004, Zwire news	http://www.zwire.com/site/news.cfm?newsid=13505645&BRD=1304&PAG=461&dept_id=180485&rfl=6	
281	Ice throw	12/12/2004	Rhede, Kreis Borken, Westphalia	Germany		30cm long and several cm thick pieces of ice reported thrown onto road and cycle tracks during weekend. Turbine shut down. Police report is available. No injuries	Borkener Zeitung, 14.12.2004. Also police report	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	
282	Ice throw	12/12/2004	Lankern bei Dingden, nahe Hamminkeln Kreis Wesel, Westphalia	Germany		All five turbines on site reported to throw ice despite being fitted with ice sensors. Up to 50 pieces of ice found by reporter, to 100m from turbines and across the B473 road. Some sharp pieces of ice reported "rammed into the ground". What would it have done to a person?	Rheinische Post Wesel, 13.12.2004. Photos	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	
283	Transport	18/12/2004	BAB A 5 bei Alsfeld, Vogelsbergkreis / Hessen	Germany		Turbine section fell of transporter and blocked motorway A5 for 14 hours in both driving directions. Accident put down to excessive speed. No-one hurt	Bild am Sonntag 19.12.2004, Frankfurter Neue Presse from 20.12.04 u.a. Zeitungen	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	

284	Blade failure	22/12/2004	Windparks Montjoyer/Rochefort-en-Valdaine	France		Three blades lost from turbine only 15 days after startup. Following maintenance, the turbine gave out more noise than normal and this got worse over several days. A fire then started. A blade came off approx 1 hour after that, then the second and third blades fell off. Police and fire brigade were called. No-one hurt. A brake fault has been acknowledged - turbine was turning at 50rpm (2 times normal speed).	La Tribune Montelimar 30 Dec 2004	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	http://ventdubocage.net/accident2.htm
285	Mechanical failure	30/12/2004	Pattensen bei Hannover / Niedersachsen, Lower Saxony	Germany	AT Bonus 1300	Rotor cap reported to fall off the turbine onto the surrounding ground sometime between 30 and 31 December	Allgemeinen Zeitung from 31.12.2004	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
286	Superheating	2004	Aalborg	Denmark	Bonus Energy	No details of incident. Provision of analysis and advice on damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20&%20Solutions/Wind%20turbines/index.html	
287	Fire	2004	Hovsore, Bovlingbjerg	Denmark	NEG Micon	No details of incident. Provision of analysis, advice and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20&%20Solutions/Wind%20turbines/index.html	
288	Fire & Explosion	2004	Brystrup	Denmark	NEG Micon	No details of incident. Provision of analysis, advice and restoration to fire and explosion damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20&%20Solutions/Wind%20turbines/index.html	
289	Short-circuit	2004	Horup	Germany	Bonus Energy	No details of incident. Provision of analysis, advice and restoration to short-circuited component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20&%20Solutions/Wind%20turbines/index.html	
290	Fire	2004	Hedwigenkoog	Germany	Bonus Energy	No details of incident. Provision of analysis, advice and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20&%20Solutions/Wind%20turbines/index.html	
291	Fire	2004	Silkeborg	Denmark	NEG Micon	No details of incident. Restoration of fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20&%20Solutions/Wind%20turbines/index.html	
292	Fire	2004	Hobro	Denmark	Vestas	No details of incident. Provision of analysis, advice and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20&%20Solutions/Wind%20turbines/index.html	
293	Fire	2004	Skaerbaek	Denmark	Vestas	No details of incident. Provision of analysis, advice and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20&%20Solutions/Wind%20turbines/index.html	
294	Fire	2004	Rosnaes	Denmark	Alternative Wind Technology	No details of incident. Restoration of fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20&%20Solutions/Wind%20turbines/index.html	
295	Fire	2004	Silkeborg	Denmark	Alternative Wind Technology	No details of incident. Restoration of fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20&%20Solutions/Wind%20turbines/index.html	
296	Fire	2004	Silkeborg	Denmark	Bonus Energy	No details of incident. Restoration of fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20&%20Solutions/Wind%20turbines/index.html	
297	Water damage	2004	Meenycat	Ireland	Bonus Energy	No details of incident. Provision of analysis and advice on water damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20&%20Solutions/Wind%20turbines/index.html	
298	Fire	2004	Silkeborg	Denmark	DMP Molleservice	No details of incident. Restoration of fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20&%20Solutions/Wind%20turbines/index.html	

299	Environmental damage	17/01/2005	Schluetchern Hohenzell in the Main Kinzig circle/Hessen	Germany	3 x WindWorld 600kW	Loss of hydraulic fluid into surrounding ground. Serious concerns over environmental pollution from all three turbines - which have been in place since 1998. Local environmental regulator considering prosecution. (Outcome not known)	Detailed local reports and photos from adjoining owners	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
300	Blade failure	20/01/2005	Udby, north of Vordingborg	Denmark	100 foot turbine	Turbine running out of control (braking failure) – the three 30m blades broke off with pieces thrown over a large area. Residents evacuated from homes. Luckily no injuries or property damage.	Danish TV article - online report. Also second TV report online	http://www.tv2regionerne.dk/Default.asp?r=3&id=225094	http://ventdubocage.net/accident6.htm
301	Ice throw	30/01/2005	Bölling bei Dahl, Stadtgebiet Hagen/Westf. im Kreis Hagen, Westphalia	Germany		Three members of the public heard four "bangs" from the Bölling turbines while walking near them. They also observed snow thrown up near them. Thinking gun shots, they informed the police. It was discovered to be ice thrown from the turbines. They were shut down.	Westfalenpost from 1 Feb 2005 and Hagener Stadtanzeiger from 2 Feb 2005.	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
302	Ice throw	01/02/2005	Schlüchtern-Hohenzell im Main-Kinzig-Kreis / Hessen	Germany	WindWorld 600kW	Ice throw on January 31st and February 1st. Pieces approx 1.5m x 0.45m thrown 140m. Landed on local road. Traffic now banned which means large detours and loss of amenity.	Report from city administration and report plus photos from neighbours	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
303	Mechanical failure	01/02/2005	Dorsten-Lembeck bei Marl, Westphalia	Germany	GE 1.5 MW	Rotor damage and replacement after only 14 months of operation.	Detailed private report and photos.	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
304	Human injury	02/02/2005	Voigtstedt / Thüringen	Germany		30-year old mechanic from Helbra injured doing repair work. Injury crushed his foot, he then fell off the turbine top. His life was saved by a safety harness. Arterner fire brigade eventually retrieved him.	Thüringer Allgemeine from 3.2.2005	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
305	Mechanical failure	02/02/2005	Dorsten-Lembeck bei Marl, Westphalia	Germany	GE 1.5 MW	Complete rotor replacement following problems with Actuators. Turbine only 14 months old	Detailed operator reports plus reports and photos from neighbours	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
306	Blade failure	24/02/2005	Kamaishi, Iwate	Japan	Nagasaki Shipyard made, 68m tower, 29.5m blade	Turbine blades on three separate turbines snapped off in gale. Winds reached 31.7m/s, turbines and blades rated to 60m/s.	Mainichi Interactive – Top News, Feb 25 2005. Photo.	http://mdn.mainichi.co.jp/news/archive/2005/02/25/20050225p2a00m0dm002000c.html	
307	Fire	26/02/2005	Friedrich-Wilhelm-Lübkekoog - Kreis Nordfriesland/Schleswig-Holstein	Germany	Enercon E66	Major fire with total loss. Pieces of burning blades scattered over wide area. Fire brigade told local residents to stay indoors and close windows due to poisonous fumes. Fire brigade unable to fight fire due to height, so was allowed to burn out. Mechanics had been working on the turbine before the fire started.	Husumer Nachrichten + Nordwest-Zeitung from 28.2.2005 + Nordclick	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	http://www.nordclick.de/news/archiv/?id=1597717&dbci=2&search=Lübkekoog
308	Blade failure	10/03/2005	Gebbies Pass, Banks Peninsula, near Christchurch	New Zealand	Windflow Technologies prototype	Gearbox and main rotor assembly ripped from mountings during a storm. Total loss. Developers "thankful; none of our staff were injured". This is a test turbine for a proposed 104 turbine development. Two blades were first torn off - the rest followed.	Manawatu Standard, 11/3/2005 and New Zealand Herald, 12/3/2005	http://www.nzherald.co.nz/index.cfm?ObjectID=10114869	http://www.nzherald.co.nz/index.cfm?ObjectID=10118931
309	Blade failure	07/04/2005	Crystal Rig, Berwickshire, Scotland	UK	Nordex tower, 40m blade, 2.5MW	40m blade shattered – parts thrown hundreds of meters. Turbines only operational since August 2004.	BBC news online 14/4/05. Plus "The Berwickshire News" 14 April 2005. Photos on both.	http://www.berwickshiretoday.co.uk/ViewArticle.aspx?sectionid=972&articleid=997456	http://news.bbc.co.uk/1/hi/scotland/4446223.stm
310	Structural failure	06/05/2005	Weatherford, Oklahoma	USA	GE Wind 1.5 MW	A 300-foot turbine snapped in half and collapsed at a wind farm in Weatherford on Friday. Video coverage reports very light winds at the time. There are 71 x 1.5MW turbines and was only declared operational on April 30 2005 - 6 days before the tower collapse.	Channel Oklahoma News, 6 May 2005. With video.	http://www.channeloklahoma.com/news/4459503/detail.html	http://www.kotv.com/main/home/stories.asp?whichpage=1&id=82744

311	Fatal	07/05/2005	Marsberg-Erlingshausen - Hochsauerlandkreis, Westphalia	Germany		35 year-old male mechanic killed while fixing rotor transmission. He and a fellow worker secured the rotor and began working on it when the rotor turned. He was fatally injured and his colleague also injured. The Dortmund fire brigade rescue helicopter was used as they were at 65m height. The man killed was from Paderborn.	Westfalenpost from 9.5.2005	http://www.rp-online.de/public/article/nachrichten/journal/katastrophe/deutschland/nrw/88675	http://members.aol.com/fswemedien/ZZUnfalldatei.htm
312	Fire	14/05/2005	Sörup bei Schleswig - Kreis Schleswig-Flensburg/Schleswig-Holstein	Germany		Fire-brigade unable to fight fire at wind turbine on Saturday evening - due to the height of the fire. The fire was allowed to burn out. The surrounding areas was sealed off to allow burning debris to fall to the ground. The cause of fire as well as the extent of the damage are still unknown.	NDR-Online from 15.5.2005	http://www1.ndr.de/ndr_pages_newsdetail/02984.NID20050515122053 NTBNDR_SP M870.00.html	http://members.aol.com/fswemedien/ZZUnfalldatei.htm
313	Fire	16/05/2005	Wulfshagen/Tüttendorf im Kreis Rendsburg-Eckernförde / Schleswig-Holstein	Germany	NEC - Micon 2MW	A burning wind turbine caused two million Euro damage on Monday afternoon in Wulfshagen. The cause is not known. Nobody was hurt. The fire brigade could do nothing due to the height of the tower - they sealed the area off to allow burning debris to fall while the fire burned out. A lightning strike at the same site caused a similar fire last year (9.6.2004). Photos are available of both incidents	Kieler Nachrichten from 17.5.2005	http://www.kn-online.de/news/archiv/?id=1643325	http://members.aol.com/fswemedien/ZZUnfalldatei.htm
314	Fatal	19/05/2005	Crosby County, TX	USA	Anemometer	Local newspaper reports death of crop dusting pilot who flew into an anemometer for a wind farm development. The 400 foot structure had only been recently installed (4 weeks old), and was not fitted with any warning devices. The plane hit a guy rope which sheared off a piece of the wing. The pilot, 55 year old Bill Wade Tidewell, was pronounced dead at the scene. FAA is investigating.	Lubbock Avalanche-Journal, 20 May 2005 Also mentioned in the July/August "Agricultural Aviation" magazine	http://www.lubbockonline.com/stories/052005/reg_052005054.shtml	http://www.agaviation.org/towerreport.htm
315	Blade failure	23/05/2005	Herzfelde im Kreis Märkisch-Oderland/ Brandenburg	Germany	Vestas	Article in Nordkurier showing Vestas workers at Märkisch Oderland on a lifting platform at 70m height repairing small tears in rotor blades. The article says "They eliminate small tears in the rotor blades formed by weather effects" However - these tears are usually formed by production defects.	Nordkurier, 24.5.2005	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
316	Environmental	02/06/2005	Beinhausen bei Kelburg im Kreis Daun, Rheinland-Pfalz	Germany	DeWind	Significant contamination of the site and surrounding ground from leaking oil. Transmission oil leak down the tower and also out across the blades - thrown over a wide area. Leak reported to be 160m from the tower - without taking the scattered oil from the blades into account.	Eifelzeitung Daun from 1 July 2005, with photos	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
317	Blade failure	04/06/2005	Eggstedt im Kreis Dithmarschen / Schleswig-Holstein	Germany	Jacobs 43/600kW	Turbine blade was broken off during a storm at Eggstedt. Further report will follow. One turbine only in place - operational since April 1998	Sylter Rundschau from 6.6.2005	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
318	Environmental	06/06/2005	Scroby Sands, Norfolk	UK		Staff at the wildlife hospital at Winterton, Norfolk, say hundreds of seals on Scroby Sands off Great Yarmouth have been so disturbed by the 300-foot turbines there that it is affecting their breeding. Many pups are born dead or abandoned by frightened mums. Jaime Allison, a biologist at the hospital, said: "A definite pattern is emerging. It's hard not to conclude the wind farm is responsible."	Daily Mirror, 6 June 2005	http://www.mirror.co.uk/news/tm_objectid=15595416&method=full&siteid=94762&headline=windfarm-seal-alert-name_page.html	

319	Structural failure	20/06/2005	Saskatchewan	Canada		"Twister wrecks wind power equipment". Cranes and turbine blades damaged by storm at a site in Saskatchewan. The site is under construction and no turbines are yet erected. The Saskpower project is located about 25km south of Swift Current. A 350-tonne, 300 foot crane was toppled. The site was closed at the time of the storm - so no-one was hurt.	CBC Saskatchewan report, 20 June 2005. With photos and realplayer video	http://sask.cbc.ca/regional/servlet/View?file_name=wind-power050620	
320	Lightning	30/06/2005	Cathedral Rocks Wind Farm, Port Lincoln, South Australia	Australia	60m towers	Lightning destroyed a blade on tower 6 in June 2005. Turbines still undergoing construction/commissioning. Construction started in February 2005 - a 33 turbine development. Date in June uncertain.	Port Lincoln Times, 23 August 2005	http://portlincoln.yourguide.com.au/detail.asp?class=news&subclass=local&category=general%20news&story_id=418188&y=2005&m=8	
321	Blade failure	29/07/2005	Windy Hill wind farm, Ravenshoe, Cairns, Queensland	Australia	600kW Enercon, installed 1999-2000	"Wind power a lot of hot air". This week another problem came to light when Stanwell Corporation's Windy Hill wind farm had a nasty accident. Fortunately, no-one was injured when a massive 22m turbine blade on one of the 20 huge wind turbines spectacularly sheared off. But it must have been extraordinary to see a glass fibre reinforced epoxy blade perched 44m above the ground go for an excursion. Stanwell	Herald Sun, 29 July 2005	http://heraldsun.news.com.au/	
322	Transport	25/08/2005	Portland, Oregon	USA	Vestas V80, 1.8MW	"Wind turbine still stuck in Portland, Ore tunnel". An 80-ton wind generator remained stuck Thursday in a heavily used freeway tunnel in North Portland, confounding worn-out work crews that suspended efforts to move it after more than 24 hours of trying. The tower slipped off a trailer late Wednesday afternoon as it was being trucked to a wind farm in Eastern Washington, blocking one lane in the tunnel that connects southbound Interstate 205 to eastbound Interstate 84. The tower was manufactured by Denmark's Vestas Wind Systems, which is assembling 83 wind towers on a farm at Hopkins Ridge in Eastern Washington.	The Oregonian, 26 August 2005	http://www.accessmylibrary.com/coms2/summary_0286-9571178_ITM	
323	Transport	18/10/2005	A' Chleit, Kintyre, Scotland	UK	Vestas	A serious accident was avoided last week when a section of wind turbine at least 50 feet long rolled off a lorry that was heading north on the A83 near A' Chleit on Kintyre's west coast. The incident happened as the driver in a convoy of two lorries under escort swerved to avoid an oncoming vehicle. Anti wind power campaigners say the incident is the worst in a series of mishaps involving lorries in the area and has highlighted local concerns about the transportation of huge sections of wind turbine from the Vestas factory in Campbeltown along Argyll's narrow roads.	Rural Community Gateway. Reported on Oct 18th - incident happened the previous week (actual date unknown).	http://www.ruralgateway.org.uk/cgi-bin/item.cgi?id=1069	
324	Environmental	01/11/2005	Near Aberystwyth, Wales	UK		Wind Turbine Kills Red Kite. Injured bird had been observed in the morning and handed in to vet in afternoon. Collision with turbine confirmed by vet.	The Welsh Red Kite Trust website	http://www.gigrin.co.uk/w/wind_turbine_kills_kite.html	

325	Transport	05/11/2005	Wells Fargo, ND	USA	Xcel	A truck hauling a wind-turbine platform struck a power pole here, leaving 3,700 residents without electricity, most of them for about two hours. The accident happened after 7 a.m. Saturday Nov 5th at the intersection of Main Avenue and Ninth Street East, knocking out traffic signals at several intersections. Electrical lines were down on Main Avenue and Ninth Street, until a repair crew for Xcel Energy arrived, he said. No injuries were reported. The truck, from DMI Industries of West Fargo, was carrying a wind-turbine tower that protruded from the trailer, striking the utility pole as the truck turned west onto Main Avenue.	Grand Forks Herald, ND, November 7th 2005		
326	Fatal	11/11/2005	East Ridge Wind Farm, Chandler, Minnesota	USA	Suzlon	"Man Dies In Wind Tower Fire". Slayton, Minn. A South Dakota man died and two people were injured Friday in a wind tower fire in southwestern Minnesota. The Murray County sheriff's office received a call just before 10 a.m. reporting the fire at a wind tower east of Chandler, Minn., and that one person had fallen. Benjamin James Thovson, 26, of Sioux Falls, S.D., died at the scene. He fell about 210 feet, Deputy Randy Donahue said. The other two were able to climb down and escape, but were taken to a local hospital. When help arrived, Donahue said, "the wind generator was engulfed in flames." The tower is owned by Dean DeGreeff, of Chandler, who is part of an eight-person private ownership group called East Ridge Wind Farm. The three	WCCO-TV - Minnesota's Breaking News, 11 November, 2005	http://wcco.com/local/local_story_315152455.html	
327	Transport	29/11/2005	A941 Elgin-Rothes road at Drumbain, less than a mile from Rothes, Moray, Scotland	UK	Olsen Renewables	A huge lorry carrying a section of turbine for a Moray windfarm shed its load in spectacular style. The metal section - around 100ft long and 15ft in diameter - fell from the lorry and rolled down an embankment and 200 yards into a field after the vehicle mounted the verge on the A941 Elgin-Rothes road at Drumbain, less than a mile from Rothes. The lorry toppled on to its side on the roadway, with part of the articulated bogie coming to rest upside down, 20ft down the embankment. The Danish lorry, which was accompanied by escort vehicles at the front and rear, was on its way to the site of a windfarm which is under development on Paul's Hill at Ballindalloch. The driver of the lorry, a Dane, escaped unhurt.	"Lorry Sheds 50-Tonne Load After Accident", Press and Journal, 30 November 2005. Photo.		
328	Fire	07/12/2005	Schaller, Iowa	USA		"Firemen climb 213-ft tower in rescue". Two electrical workers were treated and released at Buena Vista Regional Medical Center last week after they were rescued following a fire at one of the MidAmerican Energy turbines just south of Schaller.	Reported on December 7, 2005 in Storm Lake Pilot Tribune	http://www.zwire.com/site/news.cfm?newsid=13505645&BRD=1304&PAG=461&dept_id=180485&rfi=6	http://www.windaction.org/news/934
329	Fire	16/12/2005	Simonsberg bei Husum im Kreis Norfreisland, Schleswig-Holstein	Germany	Enercon, 40m hub	Turbine housing fire, 40m above ground. Completely burned out. 20m fell off. Reported to "rain blade pieces". Nine fire crews in attendance, but could do nothing at the height. Damage estimated at 0.5M euro	Sylter Rundschau from 17 December 2005. Also local news on line -see www.kn-online.de link (right).	http://members.aol.com/bswemedien/ZZUnfalldatei.htm	http://www.kn-online.de/news/archiv/?id=1768278

330	Structural failure	16/12/2005	Delmenhorst nahe Bremen, Niedersachsen	Germany	Small private turbine, 15m high	Private turbine 15m high completely destroyed in storm. The turbine fell into the owner's garden. Rotor blades were torn off and "flew through the air". Parts pierced a garage roof and destroyed a car within. Another rotor blade ended in a neighbour's garden. The turbine had been in place for 20 years.	Nonstop news von Borgmeier media from 16 December 2005 (see online link right), with photo	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	http://www.nonstopnews.borgmeier-media.de/meldung.php?ID=3079&JG=0
331	Blade failure	16/12/2005	Sefferweich im Kreis Bitburg-Oprum, Rheinland-Pfalz	Germany	NORDEX N90 or N80	One of three blades broke off turbine following a minor storm. Blade travelled several meters only and landed close to the tower. Other turbines on site were shut down.	Trierischer Volksfreund from 19 December 2005	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
332	Component failure	16/12/2005	Gagzow bei Neuburg im Kreis Nordwestmecklenburg	Germany		Transformer exploded.	Ostsee-Zeitung online from 16 December 2005 (see online link right).	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	http://www.ostsee-zeitung.de/archiv_phtml?Param=DB-Artikel&ID=2106928&Stichwort=Windkraft&Pre=DB-Artikel&Typ=Artikel&Card=0
333	Ice throw	17/12/2005	Lankern bei Dingen, nahe Hamminkeln Kreis Wesel, Westfalen	Germany		Ice throw reported from each of the five turbines in the community windfarm Loikum at Lankern. This has happened each year of operation.	Rheinische Post Wesel plus local administration and statements from adjoining owners. Photos online (see link right). Photographed piece 38cm in length. Pieces reported to be thrown over 80m.	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	http://mitglied.lycos.de/nature2000/Eiswurf.htm
334	Human injury (not fatal)	22/12/2005	Woolnorth Windfarm, Tasmania	Australia		Two workers reported to be in hospital - injured but stable - following an accident at the Woolnorth Wind Farm, Tasmania, on Thursday Dec 22nd. Reported on Dec 24th. No circumstances of accident or details provided, other than that the two men were working on a wind monitoring tower when the accident happened.	ABC News online 24 December 2005	http://www.abc.net.au/news/newsitems/200512/s1537653.htm	
335	Fire	23/12/2005	Nissan Car Factory, Sunderland, Tyne and Wear, England	UK	Six x Vestas	Turbine fire adjacent to A19 and A1231 roads. 55m high turbine caught fire after work to investigate an oil leak. Both A19 and A1231 roads closed. Fears that the turbine would fall onto the road however luckily it fell into a nearby field. Locals reported to be "terrified" (27/12/05 report). All three blades burned and fell off. Fire reported in the national press with photos and video. Seven fire engines were in attendance. Operators Nissan quoted as saying "as far as we're aware nothing like this has happened before". Construction started in September 2005 using second-hand Vestas turbines.	National ITV and BBC television and radio news. Also Sunderland Echo 24/12/05 and 27/12/2005	http://news.bbc.co.uk/1/hi/england/wear/4556640.stm	http://www.sunderlandtoday.co.uk/viewArticle2.aspx?SectionID=1107&ArticleID=1295769
336	Fire	29/12/2005	Oldside, near Workington, Cumbria, England	UK	VESTAS V42, 600KW, 40m tower, 42m blade diameter	Safety experts were called in to assess damage to a wind turbine which caught fire this morning. The giant structure at Oldside, on the Workington coast, had to be deemed safe by construction specialists. The fire spread from a nearby car, a Ford Fiesta, which had been burnt out. It affected the base of the turbine. Owned and run by E.On.	News and Star, 29 December 2005. Also Western Morning News, 7 January 2006	http://www.newsandstar.co.uk/news/viewarticle.aspx?id=316168	
337	Fire	2005	Donegal	Ireland	Siemens	No details of incident. Provision of analysis and advice on fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20%20Solutions/Wind%20turbines/index.html	
338	Water damage	2005	Silkeborg	Denmark	Siemens	No details of incident. Restoration of water damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20%20Solutions/Wind%20turbines/index.html	
339	Fire	2005	Tjaereborg, Esbjerg	Denmark	Vestas	No details of incident. Provision of analysis, advice and restoration to fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20%20Solutions/Wind%20turbines/index.html	

340	Fire	2005	Windpark Olerese	Germany	Bonus	No details of incident. Provision of analysis and restoration of fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
341	Environmental	2005	Silkeborg	Denmark	Vestas	No details of incident. Provision of advice following contamination of hydraulic oil and damper liquid from the blades. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
342	Fire	2005	Silkeborg	Denmark	Vestas	No details of incident. Restoration of fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
343	Fire	2005	Brande	Denmark	Siemens	No details of incident. Restoration of fire damaged wind turbine from Japan. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
344	Water damage	2005	Silkeborg	Denmark	Vestas	No details of incident. Restoration of moisture damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
345	Fire and lightning	2005	Silkeborg	Denmark	Decowicon	No details of incident. Provision of advice and restoration of fire and lightning damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
346	Fire	2005	Thisted	Denmark	Ebbe Hvelpund Kloster	No details of incident. Provision of analysis and advice on of fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
347	Water damage	2005	Silkeborg	Denmark	Vestas	No details of incident. Restoration of moisture damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arena.com/Products%20%20Solutions/Wind%20turbines/index.html	
348	Ice throw	08/01/2006	Filsumer Wind Park, Filsum bei Leer im Kreis Leer, Lower Saxony	Germany	Enercon E66/18.70, hub height 65 m	Ice thrown by turbines reported, pieces 20cm thick travelling across and beyond walkways. This was observed by someone who regularly walks in the area. Constructed 2002.	Newspaper: Ostfriesen Zeitung in Leer, 10.1.2006	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
349	Fatal	10/01/2006	Bording and Karup	Denmark	NM52-900kW	Service engineer Brian Østrup Nielsen, 34, was killed during routine maintenance. The service technicians found that the internal crane used for lifting tools etc. was defective. The technicians chose to use the coupling between the gearbox and the generator as lifting device by fixing a rope to the coupling. The result was that Nielsen was killed on the spot.	Source: Danish Regional News websites and Paul Gipe's wind energy fatalities database	http://www.dr.dk/Regioner/Aarhus/Nyheder/Krimi/2006/01/11/111158.htm	http://www.wind-works.org/articles/BreathLife.html
350	Blade failure	13/01/2006	Cold Northcott, Cornwall, England	UK	WEG MS-3 300kw	"BIG CHUNK OF TURBINE BLADE SHEARS OFF". Part of a wind turbine blade weighing more than half a ton snapped off and crashed into a field during high winds. A chunk of the 18 metre long blade sheared off at the Cold Northcott windfarm on Bodmin Moor at about 9am yesterday. The 21 turbine development straddles a main road - luckily no-one was injured. Blade parts found over 100m away.	Western Morning News, 14 January 2006. Photos also available.		
351	Blade failure	14/01/2006	Wolverine Creek wind farm, Idaho Falls, ID	USA		"TWO TURBINE BLADES SNAP AT WIND FARM" Blades on two turbines at the Wolverine Creek wind farm have snapped, forcing crews to shut them down for repairs. The farm just went into operation a month ago. 122 foot blades. Run by Invenegy	Associated Press, 14 January 2006, 1814 local time. Also Local News 8, ABC (see hyperlink), Jan 15th	http://www.localnews8.com/home/2204517.html	

352	Fire	22/01/2006	Lake Bonney wind farm, Tantanoola, South East Australia	Australia	Vestas	\$3 million fire at the Lake Bonney wind farm. "Yesterday afternoon's blaze began in a turbine located near Tantanoola. While the flames were initially contained at the top of the structure, falling debris caused the fire to spread to the grass below." A subsequent investigation, Feb 12th "Wind farm fire caused blackout", reported that the fire was too high to fight (67m) despite 6 fire trucks in attendance. A lack of wind combined with a very hot spell resulted in power cuts to 63000 homes just when they needed it for their air conditioning. "The Border Match" reports that 80,000 hectares of the National Park were destroyed.	ABC website, plus the 4 pm news on 891 radio, with the addition of an short interview with spokesperson from Babcock & Brown. Follow up reported Feb 12 on http://theadvertiser.com.au . Also "The Border Match" Tues Jan 24 2006.	http://www.abc.net.au/news/items/200601/1553257.htm?southeast	http://ventdubocage.net/accident17.htm
353	Fatal	23/01/2006	Port Burwell, Ontario	Canada	Construction accident	Accident during transport/construction. Michael Hipson, 42, a crane operator, was drowned near Port Burwell when a road collapsed and the crane he was driving rolled into a ditch. Ontario's Labour Ministry has confirmed.	Local Union newspaper 703Operator, Issue 119, March 2006. Also Paul Gipe's wind turbine fatalities database. Details also available in "Embedding safety into Wind Projects Delivery Process", Mike Boyce, GE BWEA H&S 07, 26 April 2007, Glasgow UK	http://www.iuolocal793.org/Downloads/March2006Op.pdf	http://www.wind-works.org/articles/BreathLife.html
354	Fire	24/01/2006	Grömitz im Kreis Ostholstein, Schleswig-Holstein	Germany		Turbine caught fire and burned to the ground on Tuesday Jan 24. The turbine house of the 65 meters of high plant burned completely, and a rotor blade fell down. The fire-brigade had no choice but to let the turbine burn down (according to police data). The police estimate the damage to property is approx. two million euro. The cause of fire is unknown.	Lübeck Police Headquarters and Lübecker Nachrichten from 24.1.2006. The URL reference has photos.	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
355	Blade failure	17/02/2006	Searsburg, Bennington, VT	USA	11 x 550kW turbines	Half of one 63-foot blade lost during a storm. No comment on how far blade pieces travelled. Operational since 1997. A spokesperson for Green Mountain energy confirmed that "since 1997 lightning has destroyed at least one other blade". We know that 9 other blades have been replaced due to lightning damage - 8 during May 1998 and one damaged in January 2000.	"Turbine blade flies off the handle", Bennington Banner, Tuesday, Feb 21st 2006	http://www.benningtonbanner.com/localnews/ci_3530796	
356	Human injury	18/02/2006	Buchbrunn, Würzburg, Bavaria	Germany	107 m height	A technician was badly injured on Feb 18 th in an accident at the top of a turbine tower. Cause unknown. He had to be attended to in the tower then lowered 107m to the ground by the local Fire Brigade. The emergency services call was made at 1900. The rescue took over 2.5 hours. It was after 2100 when the injured man eventually reached the ground. He was then hospitalised.	"Mainpost Kitzingen" dated 20.2.2006	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
357	Structural failure	21/02/2006	Wachusett Wind Site, Princeton, MA	USA	120 foot tower	"Windmill topples on Wachusett Mountain - Remaining turbines to be removed" "I drove by Westminster Road and counted only six towers, so I walked up to the site to look and that's when I discovered one of the towers had fallen over and landed on our storage garage," said the man who found the accident. Previous topples reported in 2002 and 2003	Reported on March 30, 2006 by Phyllis Booth in The Landmark	http://www.thelandmark.com/news/2006/03/02/Front_page/001.html	http://www.windaction.org/news/2287

358	Environmental	31/03/2006	Smola	Norway		"Concern Over Eagle Kills In Norway" - Discovery by British bird group. The discovery of four mangled white-tailed eagles over a four-month period at Norway's largest wind power station at Smola is causing international concern among bird protection groups worried about future wind power developments and the fate of sensitive bird populations.	Wind Power Monthly, March 2006		
359	Fire	10/04/2006	Galicia	Spain		"Fire destroys wind generator at A Capelada". (in Spanish)	La Voz de Galicia, 10 April 2006	http://www.lavozdeg Galicia.es/hemeroteca/2006/04/10/4680345.shtml	
360	Blade failure	24/06/2006	Lake Benton, MN	USA		High winds caused the blade of a wind turbine to snap west of Lake Benton, Minn.	Rapid City Journal, dated weds June 26th 2006	http://www.rapidcityjournal.com/articles/2006/06/26/news/state/state04.tx	
361	Fire	26/05/2006	Tehachapi, CA	USA		"Flames lap Creek Pass". The fire was caused by burning debris from a wind turbine that caught fire due to a malfunction. Flames that marched across the hills of Oak Creek Pass on May 26 brought firefighters from several jurisdictions to battle the area's first large-scale fire of the season. They fought the fire until May 28, when it was eventually defeated, destroying 787 acres.	Reported on June 3, 2006 in Tehachapi News	http://www.windaction.org/news/3306	
362	Fatal	01/06/2006	Palm Springs, CA	USA		Operator/technician was found hanging inside the wind tower sometime during 2006 - before April 17th 2006 (Gipe database date). Apparent suicide. No further details.	Paul Gipe's wind industry deaths database	http://www.wind-works.org/articles/BreathLife.html	
363	Fire	18/06/2006	Madurai, Chettikulam	India		"Fire in Chettikulam wind-power unit". A "big" fire broke out at a 2MW wind-power unit at Chettikulam in Tirunelveli district, reportedly the biggest in Asia. Police said the wind turbine generator of the unit exploded and caught fire. The splinters from the turbine, located a few kms from the Koodankulam Nuclear Power project site, spread over one sq km after the explosion.	Reported on June 19, 2006 in newKerala.com	http://www.windaction.org/news/3531	
364	Blade failure	02/07/2006	Oldside, near Workington, Cumbria, England	UK		THE blade of a wind turbine disintegrated and fell 200ft after being struck by lightning near Workington. Police cordoned off the area after the incident amid fears that more debris could fall from the turbine at Oldside. A member of the public, who witnessed the spectacular lightning strike earlier this month, alerted police. Sgt Peter Garforth said: "The blade was made of fibre glass. If anyone had been underneath it, they could have been sliced into pieces. "There were some bits that fell off that were a couple of feet across. We put a cordon around to make sure no one walked under the turbine." The windfarm is on an isolated piece of ground often used by dog walkers during the day. The 21-metre long blade was struck at around 11pm on July 2.	Evening News & Star, 27 July 2006	http://www.newsandstar.co.uk/news/viewarticle.aspx?id=394062	
365	Environmental	21/07/2006	Berkshire, MA	USA		"Wind project cited for erosion". The Berkshire Wind Power Project has been cited, but not fined, by the state Department of Environmental Protection for failure to maintain erosion controls at the project site.	July 21, 2006 by Shaw Israel Izikson, North Adams Transcript in Berkshire Eagle	http://www.berkshireeagle.com/localnews/ci4077779	http://www.windaction.org/news/4061

366	Environmental	01/08/2006	Woolnorth Farm, Tasmania	Australia		"Eagle put down after wind farm accident". A wedge-tailed eagle was put down after colliding with a wind turbine. Confirmed by the turbine owners "Roaring 40s", who also confirmed that this was the third endangered eagle this year to be killed by one of their turbines.	ABC News online, Tuesday Aug 15th 2006		
367	Fire	17/08/2006	Anorias in Pétrola, Albacete	Spain		"Eighty hectares burn". A wind turbine at Anorias in Pétrola began to burn at 4pm, causing a forest fire in the place known as the Cord. Apparently this is the second such incident.	August 17, 2006 in THE VERDAD/ALBACETE	http://www.laverdad.es/albacete/pg060813/prensa/noticias/Albacete/200608/13/ALB-REG-220.html	http://www.windaction.org/news/4479
368	Human injury	25/08/2006	Beatrice Oil Field, Highlands, Scotland	UK	5MW prototype	"Windfarm project worker loses leg after accident". A British man in his 40's has had his leg amputated after suffering serious leg injuries in an accident on a barge towing a giant wind turbine to a North Sea oilfield on August 25. He was working on the Talisman/SSE project at the Beatrice field. Talisman is helping HSE with inquiries. The man was airlifted to Raigmore Hospital Inverness after the incident.	Press & Journal, 9 September 2006 and previously Press & Journal 26 August 2006.		
369	Blade failure	03/09/2006	Herzogenrath-Merkstein in Kreis Aachen, Aachen, NRW	Germany	Nordex N90, 2.3MW, 100m hub, 90m diam rotor, 145m total height	The original police message reported a loose turbine blade around 1520. The turbine is located very close to federal highway 221 between the villages of Alsdorf and Boscheln (Übach-Palenberg). The loose blade struck the tower, showering highway 221 with debris up to 100m. The road and area around the damaged turbine were closed. The operator did not shut down the turbine until 1700, after which the highway was cleared and reopened. Why the blade became loose remains unknown.	Original message from Aachen police. Also various local newspapers	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
370	Transport	11/09/2006	Beatrice Oil Field, Highlands, Scotland	UK	5MW prototype	"Giant Turbine Blade Is Damaged". An accident involving a crane damaged the blade of one of the two giant turbines being assembled at Nigg in Easter Ross, Highland. A spokesman for Talisman Energy claimed that it was superficial damage only and that no delay to the project had occurred. Talisman also blamed the weather - a statement they later retracted as it occurred on a very calm day. To date (January 2007) the second turbine remains at Nigg, unoperational.	Press and Journal, 13 September 2006	http://www.pressandjournal.co.uk/displayNode.jsp?nodeId=149235&command=displayContent&sourceNode=149218&contentPK=15410477&moduleName=InternalSearch&formname=sidebarsearch	
371	Fire	21/09/2006	Pedregal Hills, Esteiro, Muros, Galice	Spain		Turbine failure started a forest fire about 4pm. High winds resulted in destruction of between 80 and 100 hectares of scrub forest, oak and pine.	La Voz de Galicia, 21 September 2006. Also La Voz de Galicia, Friday, 27 October 2006	http://www.lavozdeg Galicia.es/se_galicia/noticia.jsp?CAT=102&TEXTO=5125652	http://ventdubocage.net/accident19.htm
372	Fire	03/10/2006	Wybelsum Polder by Emden in Ostfriesland/ Niedersachsen	Germany	Enercon E66, 1.5MW, 65m hub, 60m diam rotor	Fire fighters arrived at 230 am but could do nothing. Two of the blades fell burning to the ground. Fire brigade sealed off the site and allowed it to burn out.	Ostfriesen-Zeitung from 4 October 2006	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
373	Blade failure	06/10/2006	St. Thegonnec, Pleyber Christ, Finistere, Brittany	France	300kW	Whole blade detached and fell in windless conditions between Friday night and Saturday morning. The third incident here - two previous incidents in 2004. Blade measures 10m and weighs 2-3 Tonnes. A second blade was damaged by the falling blade. The public prosecutor of the court of Morlaix, Laurent Fichot, has opened a criminal investigation for "endangering the lives of others".	Ouest France, 8 and 9 Oct 2006. Movie is also available online from FR3.	http://ventdubocage.net/accident.htm	

374	Transport	06/10/2006	Scroby Sands, Norfolk, England	UK	Vestas	"Barge smashes into wind turbine". Vital maintenance work on Scroby Sands windfarm, off the Norfolk coast, has been interrupted after an accident involving the giant jack-up barge Sea Energy. While manoeuvring off the Yarmouth coast on Friday, one of the vessel's huge legs, which provides a stable working platform by anchoring itself to the seabed, clipped a blade on one of the 30 turbines. Windfarm owner E.ON UK and the Health and Safety Executive immediately launched a full investigation into the incident that has put the turbine out of action. Company spokesman Jamee Majid said: "It was only a light touch but about 20cm was broken off the tip of the 40m blade.	October 6, 2006 by Stephen Pullinger in EDP24	http://new.edp24.co.uk/content/news/story.aspx?brand=EDPOnline&category=News&brand=edp24online&Category=news&itemid=NOED05%20Oct%202006%2019%3A24%3A09%3A423	http://www.windaction.org/news/5585
375	Fire	16/10/2006	Hsinchu County, west coast of Taiwan.	Taiwan	Gamsea, 67m tower	"Taiwan Power Co seeks investigation of wind-turbine fire". The Taiwan Power Co (Taipower) has asked Spain's Gamesa to investigate the cause of a fire that destroyed a Gamesa-built wind turbine. " We have asked Gamesa to send technicians to Taiwan to investigate the cause of the fire," Chen Wu-hsiung, director of Taipower's Wind Power Department, told reporters after Monday's blaze. "Preliminary investigation points to the generator's overheating as the cause of the fire." Six turbines are located at the site - they were still undergoing commissioning.	German Press Agency, 17 October 2006.	http://www.wind-watch.org/news/2006/10/17/taiwan-power-co-seeks-investigation-of-wind-turbine-fire/	
376	Fatal	22/10/2006	Gemeinde Schlangen in Kreis Lippe, North Rhine/Westphalia	Germany		A mechanic died during maintenance. No further details known	Newspaper "Neue Westfalische" 23 October 2006	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
377	Transport	26/10/2006	North Sea, off Scotland	UK	Parts for 3 x 1.3MW turbines	"Wind Turbine tower lost overboard". Parts of a tower were lost overboard from a ship in the North Sea, on its way from Denmark to Lewis on the German-registered "Lass Moon".	BBC News online 26/10/2006	http://news.bbc.co.uk/1/hi/scotland/highlands_and_islands/6083664.stm	
378	Fire	31/10/2006	Wolf Windenergie, Heerenveen	Holland	Vestas NM 48/750	Turbine on fire photographed on 31 Oct 2006. Gondola completely burned out. Tower damaged.	Confirmed on Vestas WINDNIEUWS NEDERLAND - 2006 website. Photograph available via weblinks.	http://home.planet.nl/~windsh/N-06NL.html	http://members.aol.com/fswemedien/ZZUnfalldatei.htm
379	Blade failure	01/11/2006	Aschenstedt in Landkreis Oldenburg/ Niedersachsen	Germany	Vestas	"Village of Aschenstedt in Oldenburg has a luck escape". During a storm a 10m long piece of rotor blade was torn off. The main piece of blade travelled approx 200m before landing in a field. Very lucky escape for the village. Vestas claim that the accident was "unexplainable" and the "first time". Photograph available online	Nordwest-Zeitung 4 November 2006	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
380	Structural failure	20/11/2006	Black Mountain, Dresden, Washington County, NY	USA	Small turbine	"Topped Turbine raises concerns". Hikers on Black Mountain reached the fire tower at the summit earlier this month to find a 60-foot wind turbine lying in the snow. The State Police own the turbine. Spokeswoman Maureen Tuffey said it fell because a guy wire gave way when a bolt sheered off. She said it might be spring before the turbine is fixed.	Reported in Times Union on Nov 20th 2006	http://timesunion.com/AspStories/story.asp?newsdate=11/20/2006&navigation=nextprior&category=REGIONOTHER&BCCode=LOCAL&storyID=537012	http://www.windaction.org/news/6421

381	Human injury	27/11/2006	Scroby Sands, Norfolk, England	UK		Scroby Sands windfarm was shut down following electrocution of a worker. A spokesman for the East of England Ambulance Service said they were called to North Denes Road, Yarmouth, at 9.53am on Monday, November 27 after the 22-year-old engineer suffered an electric shock. He was taken to the James Paget University Hospital in Gorleston. The problem at Scroby is the latest setback to hit the £75m windfarm, which became one of the UK's first commercial offshore wind farms when it was built in 2004, but the government's first annual report painted a very different picture with the turbines generating only a fraction of the power they were meant to. The DTI report showed the wind farm was riddled with mechanical problems which lowered production.	Reported on December 9th by Norwich Evening News 24.	http://www.eveningnews24.co.uk/content/news/story.aspx?brand=ENOnline&category=News&Brand=ENOnline&Category=news&Itemid=NOED09%20Dec%202006%2011%3A40%3A08%3A107	
382	Blade failure	01/12/2006	Pavillion, Genesee County, NY	USA	140 foot domestic tower	All three fibreglass blades ripped off by winds. Windspeed estimated to be 89mph. Officials reported that residential wind turbines are supposed to withstand winds up to 90 miles an hour, and speculated that Steve Rigoni's turbine blades might have had some kind of manufacturing defect. Blade pieces scattered well outside owner's property.	Confirmed on WIVB News 4 on December 4th, reported online on Dec 5th	http://www.wivb.com/Global/story.asp?S=5768221	
383	Structural failure	04/12/2006	Bondues, Lille	France		Complete collapse of 30m high turbine tower in approx 90km/hr wind, luckily in a car park which was unoccupied at the time. This was in the industrial park of Bondues close to Lille in NW France. Photographs available online.	Confirmed on French television	http://ventdubocage.net/normandie12.htm	http://nord-pas-de-calais-picardie.france3.fr/info/26432638-fr.php
384	Blade failure	08/12/2006	Mehring in Kreis Trier-Saarburg, Rheinland-Pfalz	Germany	Enercon E70, 2.0MW, 113m high	Message: a 35m long piece of rotor blade broke in strong wind. Mehring circle and adjacent road was closed. The police communicated that the blade splintered into many parts, which were scattered over a wide area. Luckily no-one was hurt. A later message confirmed that a driver informed the police that the turbine had been turning very fast prior to the accident. Extent of property damage unknown.	Police broadcast message from SWR4 at 1100 on 8 Dec 2006	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
385	Structural failure	08/12/2006	Clarion, North Iowa	USA	School turbine 150kW	CLARION: The school's wind turbine collapsed December 8 about 7 a.m., knocking down a power line and causing school to be cancelled for the day. A school official said the likely cause was a broken brake which allowed the giant propeller to turn too fast. Then, a tip broke off one blade causing the generator to run out of balance. This stressed the tower and the structure eventually came down. No injuries. "Even at 7 in the morning, we have a number of kids in school," said Robert Olson, superintendent for the Clarion-Goldfield Community School district. "There were some students that were weight-lifting (and) they were close...."	Reported by Belmont Independent News, Dec 21st. Also the Fort Dodge Messenger	http://www.zwire.com/site/news.cfm?newsid=17616297&BRD=1907&PAG=461&deptid=133418&rfi=6	http://www.messengernews.net/News/articles.asp?articleID=5648

386	Blade failure	10/12/2006	Deanburn Primary School, Bo'ness, West Lothian, Scotland	UK	15kW, Proven Energy light industrial turbine.	"Alert After Turbine Breakdown". Heavy Part drops from above school grounds. A Scots wind turbine firm has put out an alert after part of a turbine fell off at a school. Proven Energy has ordered the shutdown of 30 of its latest turbine type at locations as far afield as Italy and Orkney. Gordon Proven, managing director of the manufacturer in Stewarton, Ayreshire, says the action follows an incident at Deanburn Primary in Bo'ness. Last month the revolutionary eco-friendly school lost its green energy supply after a damper, used to control the blades, came off when bolts broke. The three-inch-square part, weighing several kilos, plunged to the ground, luckily outside school hours when there were no children around. The three bladed 15 kilowatt turbine is in use in various other places, around eight in Scotland. Locations include a school in Yorkshire, farmland in Orkney and Cornwall, and an estate in the Stranraer area. The actual event happened in November.	The Sunday Post, 10th December 2006	http://ventdubocage.net/ecosse5.htm	
387	Construction	18/12/2006	Lee/LaSalle County windfarm, IL	USA	2MW Gamesa	"Crane crashlands at windfarm". A crane was lifting a turbine off a truck when the boom folded over. "It was an unfortunate accident," GSG Wind Energy vice president Bruce Papiech said. There were no injuries. Part of a 40-turbine, 80WM development.	Reported by NewsTribune online Dec 20th, and also by Industrial Wind Action Group Dec 21st	http://www.windaction.org/news/7030	http://www.newstrib.com/display.asp?article=4FD037B2A015FC4CC6C08ADD2ADAD952AC00431B0610801A
388	Human injury	19/12/2006	Johnstown, Cambria County, PA	USA	Gamesa	"Man rescued from Cambria County Wind Turbine accident". Federal inspectors are to be in Cambria County Wednesday to investigate Tuesday's accident at a wind turbine farm. A worker was severely hurt at a Gamesa wind farm after being trapped more than 200 feet atop a wind turbine. Emergency officials said the employee was airlifted to Memorial Medical Center. A subsequent report "OSHA investigating construction accident" reported that construction worker Jeff Davis suffered a cut so severe that his ankle was dislocated. Officials said Davis is an employee of White Construction, a company hired by Gamesa to construct windmills. Another source says that the man's leg was severed from the knee down.	Industrial Wind Action Group Dec 19 and 20, plus WJAC TV. Additional source at http://www.wind-watch.org/news/2007/01/04/windmill-workers-leg-severed/	http://www.wiactv.com/news/10568105/deta il.html	http://www.windaction.org/news/7029
389	Ice throw	28/12/2006	Schaenburg-Martinshagen im Landkreis Kassel, Hessen, Lower Saxony	Germany		Ice throw reported from new turbines approx 100m high. Ice sensors were not working properly, and pieces of ice 3-4cm in size were reported being thrown, distance not reported.	Source of information was the wind power station managing director, Hans Heinrich Berghofer. Report on Baunatal online, dated 30 Dec 2006.	http://www.hna.de/baunatalstart/00_20061229173018_Eisstuecke_fielen_von_Rotoren_ab.html	http://members.aol.com/Iswemedien/ZZJnfalldatei.htm
390	Water damage	2006	South Ayrshire, Scotland	UK	Siemens	No details of incident. Provision of analysis, advice and restoration of water damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20%20Solutions/Wind%20turbines/index.html	
391	Coolant damage	2006	Silkeborg	Denmark	Siemens	No details of incident. Provision of advice and restoration of coolant damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20%20Solutions/Wind%20turbines/index.html	
392	Fire	2006	Smola	Norway	Siemens	No details of incident. Provision of analysis, advice and restoration of fire damaged component. Location likely to be of AREPA's work	AREPA Group reference list of tasks regarding wind turbines	http://www.arepa.com/Products%20%20Solutions/Wind%20turbines/index.html	

393	Fire	01/01/2007	Melle-Riemsloh im Landkreis Osnabrück, North Rhein, Westphalia	Germany	Sudwind S-77, 1.5MW	A lightning strike caused a fire which completely destroyed the turbine and scattered burning debris over a wide area, causing secondary fires. These were reported by over 50 people. Fire fighters were not able to fight the fire due to the turbine height, so the area was sealed off to allow the fire to burn out. Police estimate damage at 1M Euro. A photo showing the scatter of burning debris is available via the url (right).	Reported in newspaper Neue Osnabrücker Zeitung 02.01.07. Also reported by police (Polizeikommissariat Melle)	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	
394	Structural failure	08/01/2007	Iwaya Wind Farm, Higashidori	Japan	Vestas	"Wind turbine topples over: Question is why?" HIGASHIDORI, Aomori Prefecture—The industry ministry Wednesday said it is trying to determine what caused a 68-meter-high wind turbine to collapse earlier this week since strong winds apparently were not blowing at the time. The incident at the Iwaya Wind Farm in the Iwaya district of Higashidori in this northern prefecture is thought to have occurred late Monday, according to officials of Eurus Energy Holdings Corp., which manages the wind farm. While no one was injured, the incident resulted in temporary power outages to homes in the area because power lines were severed.	Reported on January 11, 2007 in Herald Tribune/Asahi	http://www.asahi.com/english/Herald-asahi/TKY200701100418.html	http://www.windaction.org/news/7298
395	Fire	09/01/2007	Ketin bei Falkenrehde im Landkreis Märkisch Havelland, Brandenburg	Germany		Fire at Ketin I wind park. Cause unknown. Fire crew could not fight the fire due to the height, and sealed the area off. No one injured, wind tower destroyed.	Reported in newspaper Märkische Allgemeine, 10.1.2007	http://www.maerkischeallgemeine.de/cms/beitrag/10850427/61759/	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm
396	Blade failure	11/01/2007	Walpole Cross Keys, Norfolk, England	UK	5 foot blade - small turbine	"Too windy for a turbine". Winds blew a wind turbine blade into the conservatory of a West Norfolk home on Thursday. Torrential rain storms and gale-force winds caused havoc across the country, but in Walpole Cross Keys one couple were stunned when a five-foot blade from a wind turbine smashed into their conservatory.	Reported in Kings Lynn Today News, January 12 2007	http://www.lynnnews.co.uk/ViewArticle2.aspx?SectionID=991&ArticleID=1968999	
397	Structural failure	13/01/2007	Windpark Raden in Besdorf im Kreis Steinburg, Schleswig-Holstein	Germany	HSW 100	Police message reads: A 70m high wind turbine completely collapsed tonight (13.1.2007) in the Raaden windpark at 25584 Besdorf. A nocturnal storm may be to blame. The tower fell in a northeast direction. The turbine was completely destroyed. No-one was injured, but there was spillage of a large quantity of transmission oil, which had to be specially treated and cleaned up. The Besdorf fire-brigade and the Wilster police managed the incident. (Approx translation)	Information from police headquarters at Itzehoe.	http://members.aol.com/fswemedien/ZZUnf/alldatei.htm	

398	Blade failure	19/01/2007	Sutton Elms, South Leicestershire, England	UK	3-blade turbine, 1.4m rotor diameter, 5m tower on top of 2m portacabin. Installed and operational from July 2006.	All three blades ripped from test turbine during storm. Pieces of turbine blade found 36m away. The turbine sits atop a portacabin-type office, which was hit by several pieces of turbine. "One fragment six inches long weighing about a pound had gone through the roof of our outside office - through the outer and inner aluminium skin (plates an eighth of an inch thick with honeycomb insulation between) and embedded itself in the wall (three-quarter inch ply). Imagine if the roof was plastic, with people sitting underneath. They would have had no chance." Owners plan to install a new turbine in summer.	Information from turbine owner's website, with photographs. Additional details from email with owner.	http://www.habitat21.co.uk/wind30.htm	
399	Blade failure	20/01/2007	Scheid bei Kronenburg im Kreis Daun, Rheinland-Pfalz	Germany		During a storm a rotor blade broke off. Parts were thrown about 100m. The turbine stands directly beside an access road used by walkers, the post office, milkman and garbage disposal.	Source is an eye witness account from two individual neighbours	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	
400	Environmental	24/01/2007	Forss, Caithness, Scotland	UK	Bonus A/S 1MW	"Buzzard killed by wind-turbine blade" A busload of shocked nuclear workers witnessed the death of a buzzard after it flew into one of the wind turbines at Forss on Wednesday. The loss of the adult bird, which is a protected species, has been notified to the Royal Society for the Protection of Birds. The demise of the buzzard was seen by a group of workers travelling between New Park business park at Forss and the neighbouring site at Dounreay at lunchtime on Wednesday. The buzzard was one of a pair, with its local nest also including a nine-month-old fledgling. No-one from Renewable Energy Systems, which runs the Forss site, was available for comment.	Reported in John O'Groats Journal, 26th Jan 2007, plus the Aberdeen Press and Journal	http://www.johnogroat-journal.co.uk/news/fullstory.php/aid/1502/Buzzard_killed_by_wind-turbine_blade.html	
401	Blade failure	28/01/2007	Fenner Wind Farm, Madison County, NY	USA	20 x GE Wind Energy 1.5MW turbines, operational from Nov 2001	Photograph only available (see url). The photo is taken at Fenner Wind Farm on Sunday, January 28th at 2 p.m. during snow. The tower was on the left side of Mile South (?) Road. Eyewitness account states "Half the wind turbines were turning, the rest were not. The only thing that drew my attention to the site was the crane. As I looked closer, the blade at 6 o'clock is sheared off, what appears to be either material failure, lightning, I don't know. But I did a quick search on the web for any news on it and found none."	Reported on Industrial Wind Action Group website, see url to right for reference.	http://www.windaction.org/articles/7709	
402	Blade failure	28/01/2007	Testorf im Kreis Nordwestmecklenburg, Mecklenburg-Vorpommern	Germany	Enercon	Storm reported to have destroyed the three blades on one of the Lutuschka turbines. One of four installed and operational since 1998.	Reported in newspaper SVZ / Gadebusch-Renaher Zeitung, published 31.1.2007	http://www.svz.de/newsrwl/gad/31.01.07/23-15803495/23-15803495.html	http://members.aol.com/fswemedien/ZZUnfalldatei.htm

403	Mechanical failure	29/01/2007	Herne Bay, Kent, England	UK	Vestas V90/3.0, 70m tower, 90m diam, operational since August 2005	"Gearbox fault halts wind turbines" Repair work is due to begin this week on a wind farm off the coast of Kent which has seen a third of its turbines grind to a halt since early December. Of the 36 turbines erected off Herne Bay - on the Kentish Flats - 12 have experienced gearbox problems. Four have been repaired but the others have been running at reduced efficiency pending a break in the weather. The Danish firm Vestas, which owns and maintains them, said the high failure rate was unusual.	Reported on BBC online 29 Jan 2007	http://news.bbc.co.uk/1/hi/england/kent/6309013.stm	
404	Fire	23/02/2007	Dodge Center, Rochester, MN	USA	NEC Micon	"Lightning hits wind turbine, starts fire". A wind turbine near Dodge Center lost one of its blades Friday night when lightning struck it and started a fire. The Rochester Fire Department was called to the fire because it had the closest long-ladder truck. Its 100-foot ladder was used to help extinguish the fire at 11:15 p.m. One rotor blade was lost, but fire officials were uncertain if the fire reached the generator portion of the device, which could compound the loss.	Reported on postbulletin.com, 27 Feb 2007, 3:58pm	http://www.postbulletin.com/newsmanager/templates/localnews_story.asp?a=285716&z=2	http://www.windaction.org/news/8140
405	Fire	23/02/2007	Sorne Hill, Bunrana, Inishowen, Donegal, Ireland	Ireland	2MW Enercon E77, 60m tower, 70m diam, operational since May 2006	"Wind turbine fire in Inishowen Feb 23, 5:29 am" The ESB says the destruction of one of its wind turbines in Bunrana over night was due to an overheating generator which caught fire. Emergency services attended the scene and put out the fire. No-one was injured as the windfarm was unmanned at the time of the blaze. The 10 turbine farm at Sorne Hill in Bunrana has been shut down for the time being.	Reported on Ireland's Highland Radio station, Feb 23rd 2007	http://www.highlandradio.com/news.php?articleid=000000138	
406	Human injury	25/02/2007	Lake Bonney wind farm, Tantanoola, South East Australia	Australia	Vestas	"SA man gets electric shock at wind farm". A Mount Gambier man is in hospital after suffering an electric shock at a wind farm in the state's south-east. Police say the contractor had been working on a turbine at the Lake Bonney Wind Farm near Tantanoola when he was injured. A quick-thinking workmate activated a safety switch and performed CPR on the 27-year-old, before helping him back to ground level before ambulance crews arrived. SafeWork SA will investigate the incident tomorrow.	Reported on ABC News Online, Feb 25th 2007, 1145am	http://www.abc.net.au/80/news/newsitems/200702/s1856503.htm	
407	Blade failure	25/02/2007	Parc Cynog, Llanmiloe, Carmarthen, Wales	UK	NEG Micon 720kW	"Wind farm shutdown as probe into accident is launched". An investigation has been launched after the blade of a wind turbine above Llanmiloe snapped. Fortunately, no-one was hurt in the incident at Parc Cynog at around 5pm on Sunday afternoon. Although the blade was still attached to the turbine, debris was strewn across a 10m radius around the column. The site has five turbines standing at more than 60m, with a blade diameter of 48m. Bosses at Nuon Renewables, which owns the site, have launched an investigation and shut down the remaining turbines.	Reported in Carmarthen Journal, 28 February 2007	http://www.wind-watch.org/news/2007/03/06/wind-farm-shutdown-as-probe-into-accident-is-launched/	

408	Structural failure	08/03/2007	Fairfield, Herkimer County, New York	USA		<p>Collapse of two anemometer masts: "Falling test towers leave residents concerned". A subject voiced at the March 8 Fairfield Town Council meeting was that a wind test tower located off Davis Road was beginning to fall apart, according to Jim Salamone, a resident living close by. Salamone said since the last meeting and within the last few days, another tower, which was put up about two years ago near Davis Road, also began to fall apart. A large portion of it is hanging by a mere cable, close to 100 feet above ground. "If that falls down when someone's over there," he said,</p>	Reported in The Evening Times, April 6th 2007	http://www.windaction.org/news/8827	http://www.littlefallstimes.com/articles/2007/04/0...
409	Blade failure	31/03/2007	Allegheny Ridge Wind Farm, Cambria County, Pennsylvania	USA	Gamesa Eolica G87, 2MW, rotor diameter 87m, 67m-100m hub	<p>"Problems at wind farm could delay acquisition". An Australian company that wants to buy a Cambria County wind farm might walk away if it's not determined what caused seven turbine blades to crack and large pieces of two blades to fly off. The problems at the Allegheny Ridge wind farm are a serious concern, said Neal Emmerton, regional asset manager for Sydney-based Babcock & Brown. The largest piece of fiberglass sheathing to fly off a blade was 143 feet long, according to Alberto Gros, manager of the Gamesa plant in Ebensburg. A full blade weighs 6.3 tons. The large piece, made of quarter-inch thick fiberglass, weighed far less than that, but it still required a crane to lift, he said. All of the pieces landed within a 300-foot safety zone around the turbines. No houses are close to the safety zone. Emmerton said the blades were turning at the time they cracked. All of the approximately 360 blades that were produced at the Ebensburg plant since it opened last summer are being checked for cracking, Emmerton and Gros said. Some have gone to wind farms in Texas, others to Illinois. All turbines with the blades have been shut down until they can</p>	Reported in The Patriot-News, April 5th 2007. An earlier report in NEPA NEWS March 22nd reported cracks in the blades "Cracks discovered in Cambria wind farm turbine blades"	http://www.windaction.org/news/8818	http://www.pennlive.com/business/patriotnews/index.ssf?base/business/1175733613137790.xml&coll=1&thispage=1
410	Structural failure	16/04/2007	Dartmouth, Massachusetts	USA	Home turbine, 35 feet high	<p>"Dartmouth windmill toppled by storm" One of the many casualties of this weekend's storm was a windmill installed by former state Rep. Mark A. Howland. Arthur Larrivee paid Mr. Howland \$16,000 for a windmill and solar panel system for his home at 620 Tucker Road and received everything he asked for: two windmills atop 35-foot-high poles, four solar panels and electrical equipment to convert the power generated into electricity. But on Monday morning, he woke to find that the steel poles of one windmill had snapped clean off about 4 feet above the ground, leaving the windmill lying on the ground. "I honestly couldn't believe it," said Mr. Larrivee.</p>	Reported in South Coast Today, April 19th 2007 (with photo)	http://www.windaction.org/news/9037	http://www.southcoasttoday.com/apps/pbcs.dll/article?AID=/20070419/NEWS/704190350

411	Structural failure	26/04/2007	Diss, Norfolk, England	UK	Swift roof top turbine, 2.1m diameter, 1.5kW	"Where have those turbines gone". Article in Diss Mercury highlighting that Tesco have removed 5 Swift turbines from their flagship Diss store. "Last week it emerged that the five turbines, used to great effect during recent power cuts in Diss when the rest of the town lost electricity, had been removed. A spokesman for Tesco said: "The turbines have been removed from the Diss store. Another customer with the same model of turbine, not Tesco, has reported a problem with one of the turbines. "I don't know what the problem was, but as a precaution we've removed all the turbines for health and safety reasons. We'll keep them down until they've found out the cause of the fault." She could not say when the turbines were removed, or when they are expected to be returned." Subsequent investigation found that a decision to remove the turbines was taken following a Swift turbine incident in Scotland where the turbine arms fell off during a storm. This incident remains unsubstantiated by any referable source.	Reported in Diss Mercury April 26th 2007	http://www.dissmercury.co.uk/content/dissmercury/news/story.aspx?brand=DMAOnline&category=news&tBrand=DMAonline&tCategory=news&itemid=NOED26%20Apr%202007%2018%3A45%3A16%3A947	http://www.windaction.org/news/9189
412	Blade failure	26/04/2007	Erie Shores Wind Farm, near Port Burwell, Ontario	Canada	GE 1.5MW, 77m diameter, 80m tower	"Lightning damage to turbine covered". A lightning strike bent one of the blades of a turbine on April 26 at 11:30 p.m. The turbine is located south of Nova Scotia Line and west of Port Burwell. David Price of Clean Power Income Fund, which owns the wind farm, said the machines are designed to withstand lightning, but only to a certain extent. "If the lightning hits the machine itself, it's not a problem," he said. "If it hits the blade, it can't withstand that kind of energy." Mike Crawley, president and CEO of AIM PowerGen told the News "The blade took a direct hit from lightning and buckled, but did not separate from the rest of the turbine," he said "And the turbine itself stopped working as soon as it detected an imbalance." Cost of replacement estimated at C\$200,000.	Reported in the Tillsonburg News, May 4th 2007	http://www.windaction.org/news/9367	
413	Environmental	07/05/2007	Smøla wind farm, Norway	Norway		"Sea eagles in collision with wind turbines at Smøla". Since Phase 2 of the Smøla Wind Farm opened in September 2005, nine sea eagles have died after colliding with turbine rotor blades. Confirmed through Statkraft (operators) website.	Reported on operators own website, May 7th 2007	http://www.statkraft.com/pub/wind_power/feature_articles/sea_eagles_in_collision_with_wind_turbines_at_smola.asp	

414	Structural failure	11/05/2007	Voe, Shetland, Scotland	UK		<p>"Wind test mast found in pieces on remote hill" A test mast designed to measure wind velocity for a proposed windfarm has blown down. The 40-metre mast on a hill north of Voe belongs to utilities giant Scottish and Southern Energy and is believed to have been installed on the top of Cunnigill Hill, between Swinning and Quhamm, at some point in the last two years. An SSE employee said that it looked like the mast had fallen over because one of the four guy wires holding it in place had corroded and that the top section of the mast had broken off and broken into pieces. The employee said that the structure was safe but said he had no knowledge of when the mast blew down. SSE is now considering relocating the mast on a different hill as planning permissions for test masts are only granted</p>	<p>Reported in The Shetland Times, May 11th 2007. Also Shetlandtoday.co.uk (see url - with photos)</p>	<p>http://www.wind-watch.org/news/2007/05/11/wind-test-mast-found-in-pieces-on-remote-hill/</p>	<p>http://www.shetlandtoday.co.uk/Shetlandtimes/content_details.asp?ContentID=22257</p>
415	Human injury	15/05/2007	Dalswinton, Dumfries and Galloway, Scotland	UK		<p>"Wind farm accident victim rescued". A man was airlifted to hospital after a dumper truck overturned at a wind farm construction site in Dumfriesshire. Fire crews used hydraulic cutting equipment to free the casualty from the cab of the truck. He was transferred by air ambulance to Dumfries Infirmary. Yesterday (May 17th), the man, believed to be local but who has not been named, was said to be "stable with multiple fractures". The accident happened around 4pm on Tuesday (May 15th) at the Dalswinton windfarm site near Auldgrith. A spokesman for Dalswinton project manager Airtricity said: "We can confirm there was an accident on site at Dalswinton involving a truck which is used by our contractor Carillion. "The driver was seriously injured and taken to Dumfries and Galloway Royal Infirmary." A spokesman for Carillion said: "A dump truck veered off the road at speed but the vehicle remained upright. "The driver suffered chest, back and head injuries."</p>	<p>Reported on BBC Scotland news May 15th 2007. Also in the "Dumfries & Galloway Standard", May 18th 2007.</p>	<p>http://news.bbc.co.uk/1/hi/scotland/south_of_scotland/6659159.stm</p>	
416	Fatal	21/05/2007	Kings Lynn, Norfolk, England	UK		<p>"Farmer kills himself after opposition to wind turbines on his land". The UK's first public fatality regarding wind turbines. A farmer killed himself after facing bitter opposition from villagers over plans for a multi-million pound wind farm on his land, his family said. The body of Richard Herbert, a 47-year-old father of three, was found in a water-filled drain near his home at St John's Fen End, near King's Lynn, on Monday evening. Mr Herbert, who had been receiving treatment for mental health problems, had been a member of a consortium of Fenland farmers around the village of Marshland St James whose plans to build a £40 million wind farm with 26 huge turbines had created fury among locals. A fortnight ago, half of the 14 farmers abruptly dropped out of the scheme in the face of local opinion.</p>	<p>Reported in Telegraph Online May 24th 2007. Similar story in Norfolk Eastern Daily Press May 24th 2007.</p>	<p>http://www.telegraph.co.uk/news/main.jhtml?xml=/news/2007/05/23/nwind123.xml</p>	

417	Fatal	22/05/2007	Earlsburn windfarm, Stirling, Scotland	UK	Nordex N80, 2.5Mw, rotor diameter 80m, hub height 70m	<p>"Man dies after 100ft turbine fall". The UK's first wind turbine operator fatality. A 19-year-old construction worker was killed after falling down the shaft of a wind turbine. The man, thought to be Brazilian, was inside the turbine which was under construction at the Earlsburn windfarm in Touch Hills, near Stirling. The accident happened at about 1730 BST on Tuesday.</p> <p>It is understood he was killed instantly and firefighters later removed his body. The Health and Safety Executive are investigating. A spokesman said a report would be submitted to the procurator fiscal, who would decide whether a fatal accident inquiry or any criminal charges should follow.</p>	Reported on the BBC News Scotland May 23rd 2007.	http://news.bbc.co.uk/1/hi/scotland/tayside_and_central/6685447.stm	
418	Transport	24/05/2007	Menomonee Falls, Wausheka County, Wisconsin	USA		<p>"Lost load snarls traffic in Falls". A 62-ton section of a wind turbine tower fell from a semitrailer truck that was turning west at Main St. and Appleton Ave. in Menomonee Falls on Thursday. The trailer was hauling the tower section to Joyce, Iowa, from Manitowoc. The accident closed the intersection all day; it was cleared around 9:25 p.m. This has prompted state officials to halt all such future shipments. No-one was injured.</p>	Reported in Milwaukee Journal Sentinel, May 25th 2007	http://www.jsonline.com/story/index.aspx?id=610480	http://www.wind-watch.org/news/2007/05/25/windmill-topples-while-traveling-through-downtown-falls-62-ton-cylinder-falls-ties-up-traffic-for-hours/
419	Environment	30/05/2007	Maple Ridge Wind Power Project, Albany, New York	USA	Vestas 1.65MW, 80m tower, 83m blade diameter	<p>"Study shows hundreds of dead birds, bats at wind turbines". A consultants' report for PPM Energy and Horizon Energy identified 123 birds, mostly night migrants, and 326 bats found dead over the course of five months last year beneath 50 wind turbines on the plateau between Lake Ontario and the western Adirondacks. "It's hard to justify this kind of bird and bat slaughter for the amount of electricity we're generating here," council spokesman John Sheehan said. "Ultimately we think there are good places to put windmills and wind turbines, but we need to do some study before we start putting them up, and that wasn't done here."</p>	Reported in Associated Press, May 30th 2007. Actual report available via second url on the right.	http://www.newsday.com/news/local/wire/newyork/ny-bc-ny--windmillfallout0530may30.0.3816255_story?coll=ny-region-apnewyork	http://www.windaction.org/documents/8533
420	Blade failure	30/05/2007	Springview, Norfolk, Nebraska	USA	750kW, 79 feet long blades.	<p>"Obsolescence of wind turbines worries Springview ". Report confirms blade cracking, though the turbines are still operating. "The turbines have been plagued with repair and maintenance issues". Report also mentions concerns regarding final decommissioning. The turbines are only 9 years old - less than half their expected operating age.</p>	Reported in Norfolk Daily News, May 30th 2007.	http://www.norfolkdailynews.com/main.asp?SectionID=3&SubSectionID=104&ArticleID=4295	
421	Environmental	07/06/2007	Barrow, Cumbria, England	UK	Swift roof top turbine, 2.1m diameter, 1.5kW	<p>"Seagulls beware". Report confirmed seagull deaths at Tesco's Barrow store. Eyewitness splattered with remains of dead seagull after collision.</p>	Reported in North West Evening Mail, June 7th 2007	http://www.nwemail.co.uk/news/viewarticle.aspx?id=506914	

422	Blade throw	15/06/2007	Cham de Chamlonge (Saint Etienne de Lugdaires), Ardèche	France	1.5MW turbine	Blade thrown from a turbine at Cham de Chamlonge (Saint Etienne de Lugdaires) windfarm in the Ardèche. Announcement on local radio but no follow up in local papers. Locals suspect a cover up. Details from http://ventdubocage.net	Announcement on radio station France Bleu Ardèche, June 15th 2007		
423	Fire	23/06/2007	Palm Springs, California	USA		Eyewitness account from a driver in the I-10, with video posted to the internet.	Eyewitness account	http://www.noticias.info/video/video_play_ES.asp?id=4N4HQv-UyUo	
424	Fire/explosion	04/07/2007	Maple Ridge Wind Power Project, Albany, New York	USA		"Wind farm oil taints West Martinsburg well". A mineral oil spill caused by an Independence Day transformer explosion at the Maple Ridge Wind Farm has contaminated a residential well. The July 4 explosion at the wind farm substation up the	Reported on December 29, 2007 by Steve Virkler in Watertown Daily Times	http://www.windaction.org/news/13367	
425	Fatal	04/07/2007	Altamont Pass, Livermore, Alameda County, CA	USA		"Man electrocuted in wind turbine". A shirtless and shoeless man was found deceased inside a wind turbine along the Altamont Pass near Livermore early Wednesday. It appeared that he was electrocuted by 480 volts of power from one of the electrical component boxes, according to the Alameda County Sheriff's Department. Shortly after midnight Wednesday, the owner had been alerted when the windmill suddenly lost power. He and other personnel found the man while investigating the power outage, according to the sheriff's department. Deceased appears to be a member of the public.	Reported in San Jose Mercury News, July 4th 2007.	http://www.mercurynews.com/breakingnews/ci_6299696?click_check=1	
426	Blade failure	06/07/2007	Wankum Kreis Kleve (Niederrhein), North Rhein/Westfalia	Germany		Eyewitness and photographer Ralf Handtke Rieso reported half a blade broken off a turbine at Wankum on 7/7/2007. It was photographed by Mr. Handtke Handtke-Rieso. Photographs show a blade half broken off, the broken off half lay completely destroyed below the hub. The ad hoc-news reports that the police confirmed the accident, confirmed that no-one was hurt, and that the blade piece which fell was 20m in length.	Eyewitness report with photographs, backed up by article on July 8 in www.ad-hoc-news.de/Aktuelle-Nachrichten	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	http://www.ad-hoc-news.de/Aktuelle-Nachrichten/de/12417393/(Wiederholung-vom-Samstag)-Windbe-reit-Rotorflgel-einer
427	Environmental	10/07/2007	Braes of Doune, Stirling, Scotland	UK	Vestas V80 2MW	"Rare bird killed by wide turbine" (sic). A rare bird was been killed after getting hit by the blade of a wind turbine in Stirlingshire. The red kite, one of the rarest birds in the UK, was discovered at the Braes of Doune wind farm near Stirling. The 36 turbine wind farm had only been operational since February 2007.	Reported in Press & Journal, 10 July 2007	http://news.bbc.co.uk/1/hi/scotland/tayside_and_central/6287932.stm	http://www.thisisnorthscotland.co.uk/displayNode.jsp?nodeId=149807&command=displayContent&sourceNode=149800&contentPK=17790708&folderPK=85908&pNodeId=149795
428	Blade failure	30/07/2007	Uelvesbüll bei Husum, Landkreis Nordfriesland / Schleswig-Holstein	Germany	HSW 250 250KW	Rotor blade lost from a turbine in Nordfriesland. The most probable cause is a storm. The turbine was 17 years old. The blade was lost on the Monday morning (30 July) in Uelvesbuell following a loud cracking noise, as the police communicated. There were no injuries. The police closed off the approach road to the plant.	Reported by Husum Police and in Adhoc news.de of 31 August 2007	http://members.aol.com/fswemedien/ZZUnfalldatei.htm	http://www.ad-hoc-news.de/Aktuelle-Nachricht

429	Fatal	25/08/2007	Klondike III Wind Project, Wasco, Oregon	USA	Siemens 2.3MW	THE DALLES, Ore. (AP) - A wind turbine tower crashed to the ground at a wind farm east of The Dalles, killing one worker and injuring another, Sherman County authorities said. Sheriff's Deputy Jeremy Shull said the collapse occurred Saturday afternoon. The deceased worker was later named as 35-year-old Chadd Mitchell of Goldendale, Washington. Shull said the cause of the collapse had not been determined. Officials from the Occupational Safety and Health Administration were investigating Sunday. Portland-based PPM Energy owns the wind farm, but Siemens manufactures and owns the wind turbine tower that collapsed. The turbine was undergoing 500 hour maintenance tests. It was later reported (February 2008) that Siemens were fined \$10,000 for safety violations.	Reported by Associated Press, 26th August 2006	http://www.oregonlive.com/newsflash/regional/index.ssf?/base/news-21/118817099111750.xml&storylist=orlocal	http://www.windaction.org/news/11539
430	Fire	26/08/2007	Windpark Schütting, Gem. Butjadingen Kr. Wesermarsch/ Niedersachsen	Germany		At 1100 on the Sunday morning all 8 turbines came to a halt following a transformer fire. A "technical defect" is being blamed.	Reported at NWZ online (url to the right)	http://www.nwzonline.de/index_regionalausgaben_kreis_wesermarsch_butjadingen_artikel.php?id=1418019	http://members.aol.com/fswemedien/ZZUnfalldatei.htm
431	Fire	09/09/2007	Forss, Caithness, Scotland	UK	Bonus A/S 1MW	Based on personal local account. The area had a power cut in good weather conditions early on Sunday morning. When I telephoned the hydro board to report the fault, I was told that there had been a fire at the Forss windfarm and that emergency services were on site. Several hours later I drove past. The access track had been reopened, but fire brigade and SSE personnel were still working - replacing a still smouldering telegraph pole. At this point four of the six turbines (the four new ones under Forss II) remained shut down.	Personal account, DR Craig, 9/9/07		
432	Fire	14/09/2007	Whitewater Canyon, CA	USA		"Whitewater Canyon blaze blamed on wind turbine". Firefighters have fully contained a 68-acre wildfire in the Whitewater Canyon area about 1.5 miles north of Interstate 10, according to CAL FIRE. Fire officials expect to have the blaze under control by 8 a.m. Saturday. Whitewater Canyon Road was closed but reopened to traffic. The fire was caused by an undetermined problem with a wind turbine, according to CAL FIRE. One inmate firefighter was taken to a local hospital for heat related injuries. Fifteen engines, four hand crews and four aircraft are battling the blaze.	Reported by The Desert Sun, 14 September 2007	http://www.wind-watch.org/news/2007/09/15/whitewater-canyon-blaze-blamed-on-windmill/	http://www.mydesert.com/apps/pbcs.dll/article?AID=/20070914/NEWS0806/70914010

433	Miscellaneous	16/09/2007	Robin Rigg off-shore wind farm, Solway Firth, Dumfries & Galloway, Scotland	UK	420 foot high off-shore turbines	"Windfarm workers rescued from barge". 38 workers were rescued from a barge in the Solway Firth last night after it began to capsize. One of the biggest rescue operations ever in the area got under way just after 7.50pm when the Coastguard received a distress call saying the jack-up barge Lisa, working on the controversial Robin Rigg wind farm, developed a list of between 30 and 35 degrees. Two rescue helicopters from HMS Gannet at Prestwick in Ayrshire and RAF Boulmer in Northumberland were scrambled to the scene. Liverpool Coastguard said RNLI lifeboats from Workington and Silloth were also despatched to join two tugs that were working in the area to help evacuate all personnel on board. The Rotterdam-based barge arrived on the Solway last week. It was to install foundations for 60 420ft-high wind turbines. The spokesman said E.ON had told him that the legs of the jack-up barge appeared to have punctured the sea bed, causing them to bend and the vessel to list badly. A safety enquiry is under way and all work has halted.	Reported in The Herald, 17 September 2007	http://www.wind-watch.org/news/2007/09/17/wind-farm-workers-rescued-from-barge/	http://www.theherald.co.uk/news/news/display.var.1692295.0.0.php
434	Transport	19/09/2007	A87 Kyle to Portree road, Skye, Highland, Scotland	UK	2.3MW	"LORRY BLOCKS SKYE ROAD". Skye's first windfarm caused serious disruption to traffic yesterday (19/9/07) when a lorry carrying part of a turbine tower left the road blocking a major route west. Chief Inspector Paul Eddington said the accident occurred north of Sligachan, on the A87 Kyle to Portree road, at about 11am. He added that the lorry had been transporting the extremely large bottom section of a tower and a heavy lift crane was needed to move it. The chief inspector last night said he expected the road to be blocked until about 1am today (20/9/07). In the meantime, motorists faced a lengthy diversion via the A863 through Dunvegan. The tower section had been on its way to Ben Aketil, where the first two of 10 turbines, each capable of generating 2.3MW, have been assembled on site.	Reported in the Press and Journal, 20th September 2007	http://www.thisisnorthscotland.co.uk/displayNode.jsp?nodeId=149235&command=displayContent&sourceNode=149218&contentPK=18442802&moduleName=InternalSearch&formname=sidebarsearch	

435	Mechanical failure	25/09/2007	Various offshore locations	Various offshore locations	Vestas V90	"Vestas develops replacement for damaged offshore wind turbines". Danish wind turbine manufacturer Vestas Wind Systems AS is developing a new offshore wind turbine model following recent gear box problems at several of its currently operating turbines, Swedish magazine Ny Teknik said. 'We are working with a completely new model of the big offshore turbine V90 3 MW, but the details of the work are secret,' said Vestas spokesperson Peter Wenzel Kruse. At the same time, Vestas and Swedish subcontractor SKF AB are trying to determine the causes of the damage to gear boxes, which recently induced the Danish group to stop sales of the V90 3 MW windmill for offshore installations. The two companies are currently unsure of the reasons for the accidents, but Peter Wenzel Kruse said gear boxes are a problem for the entire wind power industry, because strains on the boxes increase as ever bigger windmills are built.	Reported by Thomson Financial, Copenhagen, 25 September 2007.	http://www.windaction.org/news/11929	http://www.forbes.com/markets/feeds/afx/2007/09/25/afx4152963.html
436	Fire	03/10/2007	Hancock Wind Farm, Garner, Iowa	USA	Vestas V47	"Wind Turbine Burns Near Garner". A wind turbine south of Garner burned Wednesday morning. The large compartment holding the gear box and electric components more than 200 feet above the ground burned and two of the three 77-foot blades broke off, falling to the ground. The incident was reported shortly after 8 a.m., a Hancock County Sheriff's dispatcher said. A third blade was left hanging straight down. The fire occurred in the turbine's motor housing. The motor housing was still smoking at 10:30 a.m. The turbines, part of an extensive wind farm in Hancock County, are owned by FPL Energy LLC of Juno Beach, Fla. They went into operation in 2002.	Reported in Globe Gazette, 3 October 2007.	http://www.windaction.org/news/12034	http://www.globegazette.com/articles/2007/10/03/latest_news/doc4703aba73455e937579348.txt
437	Transport	15/10/2007	Texas	USA		"Tractor Trailer Drops A Massive Load". A truck driver transporting the midsection of a huge wind energy turbine lost his load on the I-37 frontage road near Rand Morgan. It happened around 3:30 Tuesday afternoon. Police say the driver was supposed to be following a state ordered route, but that he got off track and tried to make a sharp turn.	Reported on KIII-TV3 on October 16th 2007	http://www.windaction.org/news/12238	http://www.kiiitv.com/home/10590907.html
438	Transport	16/10/2007	Ashurst	New Zealand		"Big crane runs off turbine site road". A 50-tonne crane ran off an access road and slipped down a bank on the Tararua Wind Farm yesterday, tipping on its side. The driver survived with moderate injuries. He was taken with a leg injury by ambulance to Palmerston North Hospital shortly after 10am. The damaged crane belongs to Verticon New Zealand, a maintenance subcontractor at the wind farm. Ashhurst Senior Constable Andy Nicholls said the accident could have been a lot worse as the crane could easily have gone over the bank and plunged towards the access road below.	Reported on October 17, 2007 by Grant Miller in Manawatu Standard	http://www.windaction.org/news/12234	http://www.stuff.co.nz/stuff/4242284a6003.html

439	Transport	17/10/2007	California	USA		<p>"Pylon snarls Highway 113 Traffic". A 128,000-pound section of a pylon for a wind turbine shifted as the rig was headed south on Route 113 south of Dixon early Wednesday, triggering a 10-hour traffic nightmare. No injuries were reported. According to the California Highway Patrol, a section of the support pylon for a wind turbine destined for Montezuma Hills was being transported southbound on Highway 113 ...around 4 a.m. when a stabilizing bar on the 168-foot-long trailer carrying the pylon broke and allowed the cargo to shift.</p>	Reported on October 18, 2007 by Kimberly K. Fu in The Reporter	http://www.windaction.org/news/12245	
440	Transport	30/10/2007	Lacolle, Quebec, Montreal	Canada		<p>"Truck carrying wind turbine strikes Highway 15 overpass" Highway 15 was closed in both directions near Lacolle, Que., after a truck carrying an oversize load struck an overpass. Police confirmed that the truck and wind turbine scraped the underside of the overpass while trying to pass through. The truck likely hit the overpass because the load was "too high," explained provincial police spokesman Ronald McKinnis. "We stopped [all] traffic because we don't know exactly the damage to the overpass." The accident happened early Tuesday afternoon near Saint-Mathieu, in Montérégie, about 38 km north of the U.S. border. Inspectors with Transport Quebec were dispatched to the crash site to test the overpass's safety. Both Highway 15 and the overpass will remain closed until further notice, MacKinnis said. Highway 15 is the most popular route to the Lacolle border, which connects Quebec to New York State.</p>	Reported by CBS News, 30 October 2007	http://www.windaction.org/news/12436	http://www.cbc.ca/canada/montreal/story/2007/10/30/qc-lacolleborderaccident1030.html
441	Environment	01/11/2007	Lough Lee, Northern Ireland	Ireland		<p>"Pollution at Lough Lee: Wind farm under investigation as wild trout stocks disappear". Pollution during the construction of a wind farm is believed to be the source responsible for the wiping out of valuable vegetation and a colossal decrease in wild Brown Trout fish stocks in one of Tyrone's hidden beauty spots. ...One source described the fish caught as "feeble and malnourished" and indicated that the "damage to the rare genetic strain was irreparable." Lough Lee has long been considered by angling tourists as one of the most unique freshwater fishing sites in Ireland or Britain. ...problems arose during the construction of the 9MW wind farm by leading company Airtricity, who was given planning permission to position turbines on the slope of Bin Mountain facing and in close proximity to the Lough. The Ulster Herald has learned that earlier this year, while the Bin Mountain wind farm was under construction, such was the extent of the silt and clay run-off that the entire lough was severely polluted resulting in complete discoloration.</p>	Reported in the Ulster Herald, November 1st 2007	http://www.windaction.org/news/12474	http://www.nwipp-newspapers.com/UH/free/303483267039304.php

442	Transport	03/11/2007	Summit Mills, Pennsylvania	USA		"Police fine trucking company more than \$84,000". Pennsylvania State Police stopped eight commercial vehicles hauling components for windmills that had improper special hauling permits. They issued 50 citations with fines totaling more than \$84,000. ..."I contacted an individual at the site and issued a verbal warning," Pivrotto said. "He assured me the complaints were not legitimate." Calls to the wind farm site for comment were not returned. Casselman WindPower LLC of Richmond, Va., filed the plans to erect seven turbines in Summit and Black townships, according to the county planning commission. The project is being constructed by PPM Energy, Oregon.	Reported on November 3, 2007 by Vicki Rock in Daily American	http://www.windaction.org/news/12492	http://www.dailyamerican.com/articles/2007/11/02/news/news094.txt
443	Transport	07/11/2007	Dumfries & Galloway, Scotland	UK		"Wind turbine trailer blocks road". A major road in south west Scotland has been blocked after a lorry carrying a 106-tonne wind turbine got stuck. Dumfries and Galloway Police warned that the A75 was likely to remain shut for some time after the incident which took place shortly before 1100 GMT. The road was blocked for over 10 hours, reopening at 2130.	Reported on BBC News November 7th 2007	http://news.bbc.co.uk/1/hi/scotland/south_of_scotland/7082830.stm	
444	Transport	07/11/2007	Lincoln County, Kansas	USA		"Wind farm crane topples". A 320-foot crane used to construct turbines at the under-construction Smoky Hills Wind Farm fell Wednesday morning while it was being moved from one site to another, said Glenn Melski, vice president and manager of operations for Enel North America, one of the companies that's managing the project.	Reported on November 7, 2007 in Salina Journal	http://www.windaction.org/news/12575	http://www.sajournal.com/rdnews/story/crane_falls
445	Structural failure	08/11/2007	Wick, Caithness, Scotland	UK	Swift roof top turbine, 2.1m diameter, 1.5kW	"County battered by 90 mph storm". Article notes damage to Wick Tesco store's micro-wind turbines as well as loss of six solar panels. A large part of the store's car park had to be closed to the public.	Reported in John O'Groats Journal November 9th 2007	http://www.johnogroat-journal.co.uk/news/fullstory.php/aid/3387/County_battered_by_90_mph_storm.html	
446	Structural failure	08/11/2007	Argyll, Scotland	UK	Vestas V47	"Alert After Turbine Collapses In High Winds". Three Scottish windfarms were "switched off" yesterday after a massive turbine collapsed in high winds. The machine, which stands more than 200ft tall at a windfarm in Argyll, apparently "bent in half" during the storm conditions that swept Scotland on Thursday. Operator Scottish Power stopped the 26-turbine facility ahead of a probe into the cause of the collapse. The energy giant also switched off two windfarms in the south of Scotland which use the same Vestas V47 turbines.	Reported on November 10, 2007 in The Press and Journal	http://www.windaction.org/news/12616	http://thisisnorthscotland.co.uk/displayNode.jsp?nodeId=149235&command=displayContent&sourceNode=149218&contentPK=18922029&moduleName=InternalSearch&formname=sidebarch

447	Structural failure	11/11/2007		New Zealand	10m high home turbine	"Too much spin for Green MP". Greens co-leader Jeanette Fitzsimons has given up on wind power after the turbine on her Coromandel farm fell off in a gale. Wires supporting a 10m pole holding up the turbine propeller have snapped several times in the past five years. During a heavy winter storm, the propeller toppled off. "I suppose technically, it could have hit a cow, but the cows got out of the way," says Fitzsimons, the government's energy efficiency spokeswoman.	Reported in Waikato Times Nov 11th 2007	http://www.stuff.co.nz/4269635a11.html	
448	Blade failure	15/11/2007	Fenner Wind Farm, Madison County, NY	USA	GE Wind Energy 1.5MW	"Madison County Wind Turbine Bends; wind turbine fails". One of the turbines at the Fenner Wind Farm hasn't been spinning since Wednesday night, because one of its blades has been badly bent. ...A person who lives near the site says it sounded like a car crashing when the blade broke. There no word yet on when it'll be fixed. (Article includes photograph). This is the second blade failure at Fenner this year (previous one in Jan 2007)	Reported on WSYR9, 15 November 2007	http://www.windaction.org/news/12695	http://www.9wsyr.com/news/local/story.aspx?content_id=a2da9873-d7b3-4c9a-a97b-107e0394cb34
449	Blade failure	22/11/2007	Lowestoft, England	UK	120m turbine	"Gulliver shut down for safety precaution". A lightning strike on the Lowestoft wind turbine has resulted in it being out of action for the past four weeks, it emerged yesterday. Although it suffered damage in a storm during the summer it has now been discovered that it has suffered minor damage to one of the tips and has been shut down for safety reasons. The giant 120-metre landmark, known as Gulliver, was hit during the thunderstorm on June 8. Engineers had the blades spinning again the same day, but a maintenance inspection last month uncovered the problem. The turbine will remain closed until specialised equipment can be brought in to bring the blade down to ground level for repairs.	Reported in Lowestoft Journal 21 November 2007	http://www.windaction.org/news/12797	http://www.lowestoftjournal.co.uk/content/lowestoftjournal/news/story.aspx?brand=LOWOnline&category=NEWS&fBrand=lowonline&tCategory=news&itemid=NOED21%20Nov%202007%2018%3A10%3A25%3A417
450	Transport	23/11/2007	New York	USA		"Wind farm trucks contributing to road problems" The pavement on Brainardsville Road is cracked from hundreds of truck trips made to wind-farm projects in western Clinton and eastern Franklin counties. The damage is especially irritating in Franklin County because not only were the bridges replaced, but the entire length of Brainardsville Road from Malone to Ellenburg was widened and resurfaced as part of a \$12 million state project in 2000 and 2001.	Reported in Press Republican 23 November 2007	http://www.windaction.org/news/12833	
451	Fire	23/11/2007	Galicia	Spain		Lightning strike hits a substation at Boimente in Galicia, Spain. A transformer then went on fire, fueled by its own oil. The substation manages the output of 26 wind power stations. This is a loss of 865MW or 31% of Galicia's wind power. It is likely to be out for weeks.	Reported in La Voz de Galicia, 23 November 2007	http://www.lavozdeg Galicia.es/dinero/2007/11/23/0003_6342514.htm	

452	Transport	24/11/2007	West Fargo, North Dakota	USA		"Overpass damage near Casteton caused by wind tower". A wind tower column from DMI Industries in West Fargo that was being hauled on a semitrailer flatbed clipped the underside of an Interstate 94 overpass just east of this city, damaging it. No one was hurt, but traffic was disrupted while the mess was cleaned up, the Highway Patrol said. ...The impact about 9:30 a.m. Saturday in the westbound lanes scattered chunks of concrete across the road, damaging at least nine vehicles. The damage ranged from flat tires to punctured radiators, authorities said.	Reported in The Forum by Associated Press 24 November 2007	http://www.windaction.org/news/12847	http://www.inforum.com/articles/rss.cfm?id=184319
453	Transport	02/12/2007	Pennsylvania	USA		"Turbine haulers spark complaints along Route 219". Small towns along Route 219 are complaining about recent "super-load hauling" of windmill pieces from Canada to Somerset County that has stalled traffic and damaged property. ..."every company that needs or requires an oversize or overweight load permit within any county or state is responsible for any damage done to the roadway or anything around it," adding that companies are subject to claims from the state, county or municipality". Carrolltown Borough police Chief Dave Murphy said that, while his borough has not seen any damage, traffic control has been an issue. "I don't understand why they're on Route 219," Murphy said. "I can't believe (PennDOT) gave a permit to allow these on the highways.	Reported in the Tribune-Democrat on December 2nd 2007	http://www.windaction.org/news/12982	http://www.tribune-democrat.com/local/local_story_336233715.html
454	Blade failure	03/12/2007	Waymart Wind Farm, Pennsylvania	USA	GE Wind Energy 1.5MW	"Wind Turbine Break 'Isolated Occurance'." No word yet on what caused a blade to break apart on a wind turbine at the Waymart Wind Farm, Monday afternoon. Two blades on the three-bladed rotor remained intact, but one delaminated, meaning its fiberglass layers came apart. "This is on private property. No one was injured," says Steve Stengel, a spokesperson for FPL Energy which owns the wind farm.	Reported on December 6th in The Wayne Independent	http://www.windaction.org/news/13050	
455	Transport	04/12/2007	Wick, Caithness, Scotland	UK		"Turbine transport hits a snag at Wick junction". A plan to transport three wind turbine sections from Wick harbour fell to pieces after the lorry taking the longest section was unable to take a corner and had to reverse all the way back to the harbour. A Wick police spokesman said that steps were being taken to reroute the other shipments to avoid the same problem. Comment: A photograph clearly shows damage to the turbine along one side. Highland Council planners clearly had not properly assessed the route.	Reported in the Caithness Courier on Wednesday 5th December 2007.		

456	Mechanical failure	10/12/2007	Minnesota	USA	Vestas	"SMMPA seeks damages for alleged wind-turbine problems". A power agency claims it has suffered damages exceeding \$7 million stemming from defects in four wind-energy generation turbines in the western Minnesota. Southern Minnesota Municipal Power Agency, based in Rochester, is asking a district court judge to order the defendant, Vestas American Wind Technology Inc. of California to resolve the dispute through arbitration. ...SMMPA alleges that the turbines have design and manufacturing defects. Duffy said Vestas has refused to address the defects. As a result, he says, SMMPA has lost revenue from down-time caused by system failures. In addition, the defects have accelerated the depreciation of the turbines and their components, there has been a loss of future revenue from the down-time, there have been increased costs, and there has damage to crops and long-term damage to cropland from ground compression due to crane movement.	Reported on December 10th 2007 in Post Bulletin	http://www.windaction.org/news/13113	http://www.postbulletin.com/newsmanager/templates/localnews_story.asp?a=318737&z=2
457	Mechanical failure	11/12/2007	Lackawanna, NY	USA	Liberty 2.5MW	"Why Lackawanna Windmills Being Taken Apart?". For a couple months now, most of the windmills on the old Bethlehem Steel property haven't been turning at all. Norman Polanski, Lackawanna Mayor, "They're not turning plain and simple that's what everybody keeps calling me about, the windmills aren't turning." ... A Clipper Vice President tells me the plan now is for a crane to arrive next week to take all of the gear boxes down send them back to the factory in Iowa, and then replace them one by one throughout the winter. The towers will still stand but the blades will have to come off of all eight wind mills. It could be March or April before the job is finished. This is the first site to use the Liberty 2.5MW turbines.	Reported on December 11th 2007 by WIBV TV. With video footage.	http://www.windaction.org/news/13133	http://www.wivb.com/global/story.asp?s=7484027
458	Structural failure	21/12/2007	Somerset County, Pennsylvania	USA		"Gamesa tower knocked down in storm" The discovery wasn't pleasant, nor was it much of a surprise to some Shaffer Mountain residents. Neighbors found a 200-foot tower - erected to measure wind atop the ridge for the controversial 30-turbine farm - lying twisted on ice-packed ground this week. "This tower is aluminum. The turbine's blades are Fiberglas and could project further," said Karin Sedewar of Shaffer Mountain Road. "If it had been real turbines, it could have been a real danger." The fall of the Gamesa USA tower - which Karin and John Sedewar believe was a casualty of last week's ice storm - solidifies their concerns about windmills.	Reported on December 21st 2007 in the Tribune-Democrat	http://www.windaction.org/news/13283	http://www.tribune-democrat.com/local/local_story_355000005.html

459	Environmental	29/12/2007	Maple Ridge Wind Power Project, Albany, New York	USA		"Wind farm oil taints West Martinsburg well". A mineral oil spill caused by an Independence Day transformer explosion at the Maple Ridge Wind Farm has contaminated a residential well. The July 4 explosion at the wind farm substation up the hill from the hamlet on Rector Road – which caused a temporary shutdown of the facility – led to 491 gallons of oil leaking from the damaged transformer said DEC spokesman Steven W. Litwhiler.	Reported on December 29, 2007 by Steve Virkler in Watertown Daily Times	http://www.windaction.org/news/13367	
460	Structural failure	31/12/2007	Iga, Mie Prefecture	Japan		A wind turbine set up in March 2006 was touted as the answer to energy problems in Iga, Mie Prefecture. But there was one problem. The wind turbine fell apart in less than two years. Malfunctions and accidents involving wind turbines have occurred repeatedly across the country, leading to suspended services and even the scrapping of one facility. In the Iga case, the small wind turbine on the Aoyama highland broke and fell off the top of the steel tower in December. The land ministry's office suspects the turbine broke because of insufficient welding.	Reported on 19 January 2008 in The Asahi Shimbun. Date taken as Dec 31st	http://www.windaction.org/news/13684	http://www.asahi.com/english/Herald-asahi/TKY200801190065.html
461	Environmental	02/01/2008	Woolnorth wind farm, Tasmania	Australia		"Green Power Is Black Hole For Rare Eagles". Australia's biggest wind farm in north-west Tasmania has become a "black hole" for endangered wedge-tailed eagles. The 62-tower Woolnorth farm has killed up to 18 of the island's endangered subspecies of the wedge-tail in its giant rotor blades. Despite their acute vision, the eagles are failing to pick out turbine blades with tips that can rotate at 300 kmh, according to Eric Woehler, chairman of Birds Tasmania. "Eagles evolved in a landscape without wind farms," Dr Woehler said. "They just don't see the blades. The researchers there are finding that they are dying not only in the down-sweep, but in the up-sweep of the blades	Reported on January 2, 2008 by Andrew Darby in Sydney Morning Herald	http://www.windaction.org/news/13396	http://www.smh.com.au/news/environment/green-power-black-hole/2008/01/02/1198949900016.html
462	Structural failure	02/01/2008	Hesket Newmarket, Cumbria, England	UK	Vestas	"Probe Into Wind Turbine Collapse". Police have started an inquiry into the collapse of a 19-year-old wind turbine in Cumbria. The machine came down between December 29 30 in high winds, landing on a public road. Police and the turbine owners are looking into the collapse. It was later reported that collapse of the 11-tonne turbine would be subject to an inquiry.	Reported on BBC news 2 January 2008 and in the Cheshire Standard on 4 January 2008	http://www.windaction.org/news/13409	http://news.bbc.co.uk/1/hi/england/cumbria/7168275.stm
463	Structural failure	08/01/2008	Baldinnie, Fife, Scotland	UK		"Turbine Fall is not an ill wind". A large domestic wind turbine which has featured on the skyline above Baldinnie in Fife for many years has collapsed in the storms that swept the country last Wednesday.	Reported in The Courier 14 January 2008.		http://www.thecourier.co.uk/output/2008/01/14/newsstory1079788210.asp
464	Mechanical failure	10/01/2008	Lackawanna, NY	USA	Clipper 2.5MW	"Clipper's 2.5-MW Liberty wind turbines malf	Reported on January 10, 2008 by Jennifer Zajac in SNL Financial	http://www.windaction.org/news/13518	http://www.snl.com/interactivex/article.aspx?Cid=A-7161399-9829

465	Environmental	12/01/2008	Altamont Pass, Livermore, Alameda County, CA	USA		"Altamont Pass Is Still Killing Birds of Prey". Environmentally friendly efforts aren't so kind to each other in the rolling hills of the Altamont Pass. For years, whirling rotors on some of the 5,000-plus wind turbines that line the pass have minced and otherwise killed thousands of golden eagles, red-tailed hawks and other birds of prey at a rate alarming to groups on a mission to protect them. ...Now a year into the settlement agreement, there has been little progress in reducing bird deaths to levels called for in the settlement. The Golden Gate Audubon Society, a party to the lawsuit that triggered the settlement, backs scientists' recommendation that hundreds more turbines need to be relocated and the shutdown extended in order to reach the reduction mark.	Reported on January 12, 2008 by Jake Armstrong in Recordnet.com	http://www.windaction.org/news/13561	http://www.recordnet.com/apps/pbcs.dll/article?AID=/20080112/A_NEWS/801120316
466	Fire	15/01/2008	West Virginia	USA		"Mt. Storm Turbine Catches Fire". According to NedPower Mount Storm spokesperson Tim O'Leary, a wind turbine in Mount Storm caught fire at approximately 5:15 p.m. on Tuesday afternoon. According to O'Leary, the fire occurred during routine maintenance and started in the nacelle of the wind turbine.	Reported on January 16, 2008 in Mineral Daily News-Tribune	http://www.windaction.org/news/13659	http://www.newtribune.info/articles/2008/01/17/news/news01.txt
467	Miscellaneous (component failure)	21/01/2008	Scroby Sands, Norfolk, England	UK		"Repair plan for offshore windfarm" A cable that brings power ashore from an offshore windfarm has failed and needs to be replaced in the spring. E.on, the firm that owns Scroby Sands windfarm two kilometres off the Norfolk coast at Caister, said one of its three high-voltage cables had failed. This means that if the wind turbines are working at full capacity only 66% of the power can be brought ashore. E.on's other off-shore windfarm at Blyth, Northumberland, is also awaiting repair after a sub-sea cable broke. ...	Reported in BBC News on 21 January 2008	http://www.windaction.org/news/13711	http://news.bbc.co.uk/1/hi/england/norfolk/7190082.stm
468	Miscellaneous (component failure)	21/01/2008	Blyth, Northumberland, England	UK		"Repair plan for offshore windfarm" E.on's other off-shore windfarm at Blyth, Northumberland, is also awaiting repair after a sub-sea cable broke. ...	Reported in BBC News on 21 January 2008	http://www.windaction.org/news/13711	http://news.bbc.co.uk/1/hi/england/norfolk/7190082.stm
469	Blade throw	30/01/2008	Prince Wind Energy Project, Sault St. Marie, Ontario	Canada	GE Energy 1.5 MW	"Winds too much for turbine". One of the massive turbines at the sprawling Prince Wind Energy Project, immediately northwest of the city limits, was damaged during the Jan. 30 blizzard. An extensive investigation is underway to determine why the turbine sustained a damaged blade and has been inoperable for more than three weeks. "We believe the blade was damaged after the turbine shut itself down," said Jim Deluzio, general manager of Ontario Wind Operations with Brookfield Power Corp. "The investigation will look into the possibility of a defective blade. . . . Winds were high but the blade should not have been damaged."	Reported in the The Sault Star on February 22, 2008	http://www.windaction.org/news/14283	http://www.saultstar.com/ArticleDisplay.aspx?e=912918

470	Structural failure	02/02/2008	Nås, Gotland	Sweden	Vestas	Approximate date. Articles on Feb 22nd and Feb 25th reports Vestas wind turbine wrecked in Sweden 3 weeks before. A Vestas turbine at Nås in Gotland, Sweden, lost a blade in the same way as in Odsherred. In that case the blade flew 40 metres and hammered down in a field. No one was hurt. A neighbour described the bang as "a sonic boom or a car accident".	Reported in the Ingeniøren on 22nd February 2008 and in the Ingeniøren on Monday 25th February 2008	http://ing.dk/artikel/85905	http://ing.dk/artikel/85923
471	Environmental	02/02/2008	Altamont wind farms, CA	USA		"Despite efforts, Altamont bird toll rising" The Altamont wind farms saw an apparent increase in bird deaths last year in spite of efforts to reduce the bird kills, according to a new report. Bird-carcass surveys at about half of the nearly 5,000 Altamont wind turbines found a striking jump in deaths among many species in the year ending last September over the previous year. The number of bird deaths does not appear to be decreasing despite measures to reduce the deaths, the report said. Those efforts include shutting down all the turbines for two months in the winter and a not-yet fully-accomplished process of relocating or permanently shutting down the windmills suspected of causing the most deaths.	Reported in the San Francisco Chronicle, 2 Feb 2008	http://www.windaction.org/news/13926	http://www.sfgate.com/cgi-bin/article.cgi?f=/c/a/2008/02/02/BA22UQO T3.DTL&hw=Altamont&sn=001&sc=1000
472	Structural failure	07/02/2008	Island of Texel, North Holland	Holland		"Windmolen op Texel verliest wiek en kap" (In Dutch). Fallen turbine reported on Island of Texel, in North Holland	Reported in Noord Hollands Pagbad 7 February 2008 (with photograph)		
473	Structural failure	22/02/2008	Hyacintvej, Hornslet, East Jutland	Denmark	NEG Micon	"Captured on video - the day a wind turbine exploded..." The dramatic moment was captured by Danish news channel TV2, which claimed the turbine - an old NEG Micon - was in need of replacement. As the winds gathered pace, the speed control mechanism of the vanes ran out of control. The turbine, in Hornslet, Aarhus, then exploded into thousands of fragments, with even its mast snapping and falling to the ground. TV2's footage will spark concerns about the safety of wind farms, which are a growing alternative to fossil fuels. Local reports said that the braking system failed while 2 technicians worked in the turret in the top. They got out before the collapse. A 19 meter piece of the blade was thrown 20 metres. Smaller pieces were thrown more than 500 meters. The incident occurred three weeks after a Vestas wind turbine was wrecked in Sweden, slinging a blade 40 metres. Earlier, damage to wind turbines also occurred in Scotland and Northern England.	Posted on You Tube and Live Leak. Reported in the Ingeniøren on 22nd February 2008 and in the Daily Mail 25th February 2008	http://www.liveleak.com/view?i=cdd_1203701257	http://ing.dk/artikel/85905

474	Blade failure	24/02/2008	Village of Sidinge, Odsherred	Denmark	Vestas	"Yet another Vestas wind turbine throws its blade 100 metres in the wind" On Sunday morning another wind turbine (manufactured by Vestas) was damaged. The event occurred at 06.30 hrs. outside the village of Sidinge on Odsherred. No-one was hurt when one of the heavy blades flew 100 metres through the air and crashed to the ground with a boom. Farmer Keld Boye, who lives in the village, has told TV2-News that he heard the bang and went onto the field to see what had happened. He and his family often stay in the same field, but fortunately not at the time of the accident. A ministerial investigation followed the 2 accidents over the weekend.	Translation of "Endnu en Vestas-mølle kastede vinge 100 meter væk i blæsten" published by Kent Krøyer in Ingeniøren on Monday 25th February 2008	http://ing.dk/artikel/85923	
475	Blade failure	03/03/2008		USA		"Suzlon to replace defective equipment worth \$25 million" In what implies a Rs.1 billion (\$25 million) hit on its balance sheet for the current quarter, leading wind power equipment-maker Suzlon Energy will refit wind turbine blades for a project in the US, the company said Monday. "The company will do a retrofit programme to resolve blade-cracking issues discovered during the operations of some of its S88 turbines in the US," the company informed the Bombay Stock Exchange Monday.	Reported on 3 March 2008 in The Indian News and on 4 March in Business Standard	http://www.windaction.org/news/14456	http://www.thaindian.com/newsportal/business/suzlon-to-replace-defective-equipment-worth-25-million_10023511.html
476	Structural failure	04/03/2008	Monroe Township, Logan County, Ohio	USA		"Ice storm damages wind measurement tower" High winds and ice Tuesday are partially to blame for knocking an approximately 20-foot section from the top of a 160-foot Monroe Township meteorological tower, raising concerns among area residents about what could happen to a wind turbine in the event of a more serious ice storm. "Wind Truth Alliance questions why a wind company would erect a structure that cannot withstand Ohio weather," Linda Hughes of the organization wrote in a prepared statement. "If wind turbines are to be built in Logan County, what will protect residents from the impact of the recent ice storm and more severe ice storms, such as the one in 2005?"	Reported on 7 March 2008 in The Bellefontaine Examiner	http://www.windaction.org/news/14545	http://www.examiner.org/news03.07.4.php

477	Environmental	06/03/2008	Altamont Pass, CA	USA		<p>"Windmills increase raptor deaths; Eagles, owls, migratory songbirds caught in blades" Long before wind turbines sprouted on Altamont Pass, it was home to the highest density of golden eagles in the world and their major breeding area in the United States. Almost as soon as the first turbine started rotating, the bird carcasses started piling up: Golden eagles, burrowing owls, red-tailed hawks, other raptors, western meadowlarks and migrating songbirds. ...On Feb. 12, an interim report on raptor mortality during 2005-2007 was released. Instead of a reduction in raptor mortality, the study found deaths had risen except for that among golden eagles, which had fallen to the sustainable level of 49 deaths per year. Burrowing owl mortality suffered the greatest increase - more than 300 percent - and the overall raptor deaths almost doubled.</p>	Reported on 6 March 2008 in The Union	http://www.windaction.org/news/14529	http://www.theunion.com/article/20080306/TODAYSFEATURE/969201445/
478	Fire	09/03/2008	Bird's Landing, Solando County, CA	USA		<p>"Fire ruins turbine at wind farm: Birds Landing blaze gutted 1 of 90" A wind turbine caught fire in Birds Landing early Monday, but investigators have yet to identify what caused the flames. The fire, on the top portion and on the blades of the 200-foot turbine, was discovered around 5:30 a.m. by employees of FPL Energy - High Winds. The turbine that caught fire was one of 90 the company maintains in the 6700 block of Birds Landing Road near Rio Vista. Van Culver, high winds plant leader for FPLE, said by early afternoon the company was still assessing the risk of climbing the tower to get a closer look. Local TV company KKKK have footage at http://www.kcra.com/news/15553196/detail.html#.</p>	Reported on 11 March 2008 in the Reporter	http://www.windaction.org/news/14610	http://www.thereporter.com/news/ci_8531662
479	Mechanical failure	09/03/2008	Askham & Ireleth wind farm, Furness, Cumbria, England	UK		<p>"Exclusion zone around wind farm after gales" An exclusion zone is in place around a Furness wind farm after gale force winds battered Cumbria. Pencil Lane at Marton has been closed off since Monday evening as engineers work to fix a mechanical failure on a turbine at Askam and Ireleth Wind Farm. Power Company E.ON requested that police cordon off the area as a safety precaution before the predicted high winds arrived. Today a spokeswoman for E.ON said: "Because of the weather we are experiencing we have not been able to carry out the work."</p>	Reported on 12 March in North-West Evening Mail	http://www.windaction.org/news/14635	http://www.nwemail.co.uk/news/viewarticle.aspx?id=804517

