

***Estimates for mean AMKE fatalities PER TURBINE
Sampling unit is TURBINE***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	254.1
AIC (smaller is better)	264.1
AICC (smaller is better)	264.1
BIC (smaller is better)	302.0

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/TURBINE/Day (Winter)	0.000277	0.000112	14E3	2.48	0.0131	0.1	0.000093	0.000461
2) Mean/TURBINE/Day (Spring)	0.000107	0.000054	14E3	2.00	0.0461	0.1	0.000019	0.000196
3) Mean/TURBINE/Day (Summer)	0.000115	0.000066	14E3	1.73	0.0840	0.1	5.519E-6	0.000224
4) Mean/TURBINE/Day (Autumn)	0.000271	0.000156	14E3	1.73	0.0836	0.1	0.000013	0.000528
5) Aut. vs. Wint. Daily Rate	-6.89E-6	0.000191	14E3	-0.04	0.9713	0.1	-0.00032	0.000308
6) Mean/TURBINE/Yr w/o Shutdown	0.06621	0.01703	14E3	3.89	0.0001	0.1	0.03821	0.09422
7) Shutdown Effect	-0.9010	0.1055	14E3	-8.54	<.0001	0.1	-1.0746	-0.7275
8) Mean/TURBINE/Yr w/ 2-mo Shut	0.05121	0.01331	14E3	3.85	0.0001	0.1	0.02932	0.07311
9) Prop. change w/ 2-mo Shut	-0.2265	0.07654	14E3	-2.96	0.0031	0.1	-0.3524	-0.1006
10) Mean/TURBINE/Yr w/ 3-mo Shut	0.04371	0.01249	14E3	3.50	0.0005	0.1	0.02316	0.06427
11) Prop. change w/ 3-mo Shut	-0.3398	0.1148	14E3	-2.96	0.0031	0.1	-0.5287	-0.1509
12) Mean/TURBINE/Yr w/ 4-mo Shut	0.03631	0.01129	14E3	3.22	0.0013	0.1	0.01773	0.05488
13) Prop. change w/ 4-mo Shut	-0.4517	0.1271	14E3	-3.55	0.0004	0.1	-0.6607	-0.2426

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***Estimates for mean AMKE fatalities PER TURBINE
Sampling unit is STRING***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	179.1
AIC (smaller is better)	189.1
AICC (smaller is better)	189.1
BIC (smaller is better)	217.5

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/TURBINE/Day (Winter)	0.000276	0.000112	2174	2.47	0.0136	0.1	0.000092	0.000460
2) Mean/TURBINE/Day (Spring)	0.000107	0.000054	2174	2.00	0.0462	0.1	0.000019	0.000196
3) Mean/TURBINE/Day (Summer)	0.000114	0.000066	2174	1.73	0.0841	0.1	5.476E-6	0.000223
4) Mean/TURBINE/Day (Autumn)	0.000270	0.000156	2174	1.73	0.0838	0.1	0.000013	0.000528
5) Aut. vs. Wint. Daily Rate	-5.72E-6	0.000191	2174	-0.03	0.9761	0.1	-0.00032	0.000309
6) Mean/TURBINE/Yr w/o Shutdown	0.06606	0.01703	2174	3.88	0.0001	0.1	0.03804	0.09408
7) Shutdown Effect	-0.8975	0.1097	2174	-8.18	<.0001	0.1	-1.0780	-0.7169
8) Mean/TURBINE/Yr w/ 2-mo Shut	0.05119	0.01331	2174	3.85	0.0001	0.1	0.02929	0.07309
9) Prop. change w/ 2-mo Shut	-0.2251	0.07714	2174	-2.92	0.0036	0.1	-0.3520	-0.09816
10) Mean/TURBINE/Yr w/ 3-mo Shut	0.04376	0.01250	2174	3.50	0.0005	0.1	0.02319	0.06432
11) Prop. change w/ 3-mo Shut	-0.3376	0.1157	2174	-2.92	0.0036	0.1	-0.5280	-0.1472
12) Mean/TURBINE/Yr w/ 4-mo Shut	0.03640	0.01131	2174	3.22	0.0013	0.1	0.01778	0.05502
13) Prop. change w/ 4-mo Shut	-0.4490	0.1284	2174	-3.50	0.0005	0.1	-0.6604	-0.2376

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***Estimates for mean AMKE fatalities PER MW
Sampling unit is TURBINE***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	260.6
AIC (smaller is better)	270.6
AICC (smaller is better)	270.6
BIC (smaller is better)	308.5

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/MW/Day (Winter)	0.002515	0.001008	14E3	2.49	0.0126	0.1	0.000857	0.004173
2) Mean/MW/Day (Spring)	0.001166	0.000583	14E3	2.00	0.0456	0.1	0.000206	0.002125
3) Mean/MW/Day (Summer)	0.001258	0.000726	14E3	1.73	0.0834	0.1	0.000063	0.002452
4) Mean/MW/Day (Autumn)	0.003107	0.001795	14E3	1.73	0.0835	0.1	0.000154	0.006059
5) Aut. vs. Wint. Daily Rate	0.000592	0.002048	14E3	0.29	0.7725	0.1	-0.00278	0.003961
6) Mean/MW/Yr w/o Shutdown	0.6768	0.1738	14E3	3.89	<.0001	0.1	0.3910	0.9627
7) Shutdown Effect	-0.8679	0.1402	14E3	-6.19	<.0001	0.1	-1.0985	-0.6372
8) Mean/MW/Yr w/ 2-mo Shut	0.5459	0.1449	14E3	3.77	0.0002	0.1	0.3075	0.7843
9) Prop. change w/ 2-mo Shut	-0.1935	0.07431	14E3	-2.60	0.0092	0.1	-0.3157	-0.07122
10) Mean/MW/Yr w/ 3-mo Shut	0.4804	0.1392	14E3	3.45	0.0006	0.1	0.2515	0.7093
11) Prop. change w/ 3-mo Shut	-0.2902	0.1115	14E3	-2.60	0.0092	0.1	-0.4736	-0.1068
12) Mean/MW/Yr w/ 4-mo Shut	0.4072	0.1264	14E3	3.22	0.0013	0.1	0.1993	0.6152
13) Prop. change w/ 4-mo Shut	-0.3983	0.1267	14E3	-3.14	0.0017	0.1	-0.6067	-0.1899

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***Estimates for mean AMKE fatalities PER MW
Sampling unit is STRING***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	185.6
AIC (smaller is better)	195.6
AICC (smaller is better)	195.6
BIC (smaller is better)	224.0

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/MW/Day (Winter)	0.002500	0.001007	2174	2.48	0.0131	0.1	0.000843	0.004157
2) Mean/MW/Day (Spring)	0.001165	0.000583	2174	2.00	0.0458	0.1	0.000206	0.002124
3) Mean/MW/Day (Summer)	0.001257	0.000726	2174	1.73	0.0836	0.1	0.000062	0.002452
4) Mean/MW/Day (Autumn)	0.003103	0.001793	2174	1.73	0.0837	0.1	0.000153	0.006054
5) Aut. vs. Wint. Daily Rate	0.000604	0.002045	2174	0.30	0.7678	0.1	-0.00276	0.003969
6) Mean/MW/Yr w/o Shutdown	0.6750	0.1738	2174	3.88	0.0001	0.1	0.3890	0.9609
7) Shutdown Effect	-0.8616	0.1474	2174	-5.84	<.0001	0.1	-1.1042	-0.6190
8) Mean/MW/Yr w/ 2-mo Shut	0.5457	0.1449	2174	3.77	0.0002	0.1	0.3074	0.7841
9) Prop. change w/ 2-mo Shut	-0.1915	0.07515	2174	-2.55	0.0109	0.1	-0.3151	-0.06779
10) Mean/MW/Yr w/ 3-mo Shut	0.4811	0.1392	2174	3.46	0.0006	0.1	0.2521	0.7102
11) Prop. change w/ 3-mo Shut	-0.2872	0.1127	2174	-2.55	0.0109	0.1	-0.4727	-0.1017
12) Mean/MW/Yr w/ 4-mo Shut	0.4087	0.1268	2174	3.22	0.0013	0.1	0.2000	0.6174
13) Prop. change w/ 4-mo Shut	-0.3945	0.1288	2174	-3.06	0.0022	0.1	-0.6065	-0.1825

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***Estimates for mean BUOW fatalities PER TURBINE
Sampling unit is TURBINE***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	729.1
AIC (smaller is better)	739.1
AICC (smaller is better)	739.1
BIC (smaller is better)	777.0

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/TURBINE/Day (Winter)	0.000324	0.000104	14E3	3.12	0.0018	0.1	0.000153	0.000495
2) Mean/TURBINE/Day (Spring)	0.000179	0.000064	14E3	2.78	0.0054	0.1	0.000073	0.000284
3) Mean/TURBINE/Day (Summer)	0.000326	0.000105	14E3	3.12	0.0018	0.1	0.000154	0.000498
4) Mean/TURBINE/Day (Autumn)	0.000796	0.000247	14E3	3.22	0.0013	0.1	0.000390	0.001202
5) Aut. vs. Wint. Daily Rate	0.000471	0.000249	14E3	1.89	0.0585	0.1	0.000061	0.000881
6) Mean/TURBINE/Yr w/o Shutdown	0.1292	0.02428	14E3	5.32	<.0001	0.1	0.08928	0.1692
7) Shutdown Effect	0.9362	0.6703	14E3	1.40	0.1626	0.1	-0.1665	2.0389
8) Mean/TURBINE/Yr w/ 2-mo Shut	0.1474	0.02165	14E3	6.81	<.0001	0.1	0.1118	0.1831
9) Prop. change w/ 2-mo Shut	0.1410	0.08535	14E3	1.65	0.0985	0.1	0.000641	0.2814
10) Mean/TURBINE/Yr w/ 3-mo Shut	0.1566	0.02166	14E3	7.23	<.0001	0.1	0.1209	0.1922
11) Prop. change w/ 3-mo Shut	0.2116	0.1280	14E3	1.65	0.0985	0.1	0.000962	0.4222
12) Mean/TURBINE/Yr w/ 4-mo Shut	0.1723	0.02505	14E3	6.88	<.0001	0.1	0.1311	0.2135
13) Prop. change w/ 4-mo Shut	0.3333	0.2118	14E3	1.57	0.1156	0.1	-0.01513	0.6817

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***Estimates for mean BUOW fatalities PER TURBINE
Sampling unit is STRING***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	504.1
AIC (smaller is better)	514.1
AICC (smaller is better)	514.1
BIC (smaller is better)	542.5

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/TURBINE/Day (Winter)	0.000324	0.000104	2174	3.12	0.0018	0.1	0.000153	0.000495
2) Mean/TURBINE/Day (Spring)	0.000179	0.000064	2174	2.78	0.0054	0.1	0.000073	0.000284
3) Mean/TURBINE/Day (Summer)	0.000326	0.000105	2174	3.12	0.0019	0.1	0.000154	0.000498
4) Mean/TURBINE/Day (Autumn)	0.000796	0.000247	2174	3.22	0.0013	0.1	0.000390	0.001202
5) Aut. vs. Wint. Daily Rate	0.000471	0.000249	2174	1.89	0.0587	0.1	0.000061	0.000881
6) Mean/TURBINE/Yr w/o Shutdown	0.1292	0.02428	2174	5.32	<.0001	0.1	0.08926	0.1692
7) Shutdown Effect	0.9362	0.6703	2174	1.40	0.1627	0.1	-0.1669	2.0393
8) Mean/TURBINE/Yr w/ 2-mo Shut	0.1474	0.02165	2174	6.81	<.0001	0.1	0.1118	0.1831
9) Prop. change w/ 2-mo Shut	0.1410	0.08535	2174	1.65	0.0986	0.1	0.000590	0.2815
10) Mean/TURBINE/Yr w/ 3-mo Shut	0.1566	0.02166	2174	7.23	<.0001	0.1	0.1209	0.1922
11) Prop. change w/ 3-mo Shut	0.2116	0.1280	2174	1.65	0.0986	0.1	0.000886	0.4222
12) Mean/TURBINE/Yr w/ 4-mo Shut	0.1723	0.02505	2174	6.88	<.0001	0.1	0.1311	0.2135
13) Prop. change w/ 4-mo Shut	0.3333	0.2118	2174	1.57	0.1157	0.1	-0.01526	0.6819

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***Estimates for mean BUOW fatalities PER MW
Sampling unit is TURBINE***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	735.8
AIC (smaller is better)	745.8
AICC (smaller is better)	745.9
BIC (smaller is better)	783.7

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/MW/Day (Winter)	0.003278	0.000982	14E3	3.34	0.0008	0.1	0.001663	0.004893
2) Mean/MW/Day (Spring)	0.001914	0.000687	14E3	2.79	0.0053	0.1	0.000784	0.003043
3) Mean/MW/Day (Summer)	0.003428	0.001105	14E3	3.10	0.0019	0.1	0.001610	0.005247
4) Mean/MW/Day (Autumn)	0.008587	0.002690	14E3	3.19	0.0014	0.1	0.004163	0.01301
5) Aut. vs. Wint. Daily Rate	0.005309	0.002663	14E3	1.99	0.0462	0.1	0.000930	0.009689
6) Mean/MW/Yr w/o Shutdown	1.3593	0.2551	14E3	5.33	<.0001	0.1	0.9396	1.7790
7) Shutdown Effect	1.3082	0.7499	14E3	1.74	0.0811	0.1	0.07475	2.5417
8) Mean/MW/Yr w/ 2-mo Shut	1.6166	0.2337	14E3	6.92	<.0001	0.1	1.2322	2.0011
9) Prop. change w/ 2-mo Shut	0.1893	0.09386	14E3	2.02	0.0437	0.1	0.03489	0.3437
10) Mean/MW/Yr w/ 3-mo Shut	1.7453	0.2386	14E3	7.32	<.0001	0.1	1.3529	2.1377
11) Prop. change w/ 3-mo Shut	0.2839	0.1408	14E3	2.02	0.0437	0.1	0.05234	0.5155
12) Mean/MW/Yr w/ 4-mo Shut	1.9781	0.2877	14E3	6.88	<.0001	0.1	1.5049	2.4514
13) Prop. change w/ 4-mo Shut	0.4552	0.2334	14E3	1.95	0.0511	0.1	0.07132	0.8391

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***Estimates for mean BUOW fatalities PER MW
Sampling unit is STRING***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	510.8
AIC (smaller is better)	520.8
AICC (smaller is better)	520.8
BIC (smaller is better)	549.2

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/MW/Day (Winter)	0.003278	0.000982	2174	3.34	0.0009	0.1	0.001663	0.004894
2) Mean/MW/Day (Spring)	0.001914	0.000687	2174	2.79	0.0054	0.1	0.000783	0.003044
3) Mean/MW/Day (Summer)	0.003428	0.001105	2174	3.10	0.0020	0.1	0.001609	0.005248
4) Mean/MW/Day (Autumn)	0.008587	0.002690	2174	3.19	0.0014	0.1	0.004161	0.01301
5) Aut. vs. Wint. Daily Rate	0.005309	0.002663	2174	1.99	0.0463	0.1	0.000928	0.009691
6) Mean/MW/Yr w/o Shutdown	1.3593	0.2551	2174	5.33	<.0001	0.1	0.9395	1.7792
7) Shutdown Effect	1.3082	0.7499	2174	1.74	0.0812	0.1	0.07430	2.5422
8) Mean/MW/Yr w/ 2-mo Shut	1.6166	0.2337	2174	6.92	<.0001	0.1	1.2321	2.0012
9) Prop. change w/ 2-mo Shut	0.1893	0.09386	2174	2.02	0.0438	0.1	0.03484	0.3437
10) Mean/MW/Yr w/ 3-mo Shut	1.7453	0.2386	2174	7.32	<.0001	0.1	1.3527	2.1379
11) Prop. change w/ 3-mo Shut	0.2839	0.1408	2174	2.02	0.0438	0.1	0.05226	0.5156
12) Mean/MW/Yr w/ 4-mo Shut	1.9781	0.2877	2174	6.88	<.0001	0.1	1.5047	2.4516
13) Prop. change w/ 4-mo Shut	0.4552	0.2334	2174	1.95	0.0512	0.1	0.07118	0.8393

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***Estimates for mean GOEA fatalities PER TURBINE
Sampling unit is TURBINE***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	93.0
AIC (smaller is better)	103.0
AICC (smaller is better)	103.0
BIC (smaller is better)	140.8

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/TURBINE/Day (Winter)	0.000017	9.753E-6	14E3	1.71	0.0876	0.1	6.155E-7	0.000033
2) Mean/TURBINE/Day (Spring)	4.278E-6	.	14E3	.	.	0.1	.	.
3) Mean/TURBINE/Day (Summer)	3.98E-18	.	14E3	.	.	0.1	.	.
4) Mean/TURBINE/Day (Autumn)	0.000085	0.000049	14E3	1.73	0.0841	0.1	4.067E-6	0.000167
5) Aut. vs. Wint. Daily Rate	0.000069	0.000050	14E3	1.36	0.1727	0.1	-0.00001	0.000152
6) Mean/TURBINE/Yr w/o Shutdown	0.006495	.	14E3	.	.	0.1	.	.
7) Shutdown Effect	-0.01000	.	14E3	.	.	0.1	.	.
8) Mean/TURBINE/Yr w/ 2-mo Shut	0.006485	.	14E3	.	.	0.1	.	.
9) Prop. change w/ 2-mo Shut	-0.00154	0.01580	14E3	-0.10	0.9224	0.1	-0.02753	0.02445
10) Mean/TURBINE/Yr w/ 3-mo Shut	0.006480	0.001174	14E3	5.52	<.0001	0.1	0.004549	0.008410
11) Prop. change w/ 3-mo Shut	-0.00231	0.02370	14E3	-0.10	0.9224	0.1	-0.04130	0.03668
12) Mean/TURBINE/Yr w/ 4-mo Shut	0.006464	0.003431	14E3	1.88	0.0596	0.1	0.000820	0.01211
13) Prop. change w/ 4-mo Shut	-0.00466	0.04777	14E3	-0.10	0.9222	0.1	-0.08325	0.07392

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***Estimates for mean GOEA fatalities PER TURBINE
Sampling unit is STRING***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	74.0
AIC (smaller is better)	84.0
AICC (smaller is better)	84.1
BIC (smaller is better)	112.5

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/TURBINE/Day (Winter)	0.000017	9.753E-6	2174	1.71	0.0878	0.1	6.096E-7	0.000033
2) Mean/TURBINE/Day (Spring)	4.278E-6	.	2174	.	.	0.1	.	.
3) Mean/TURBINE/Day (Summer)	3.98E-18	.	2174	.	.	0.1	.	.
4) Mean/TURBINE/Day (Autumn)	0.000085	0.000049	2174	1.73	0.0843	0.1	4.038E-6	0.000167
5) Aut. vs. Wint. Daily Rate	0.000069	0.000050	2174	1.36	0.1728	0.1	-0.00001	0.000152
6) Mean/TURBINE/Yr w/o Shutdown	0.006495	.	2174	.	.	0.1	.	.
7) Shutdown Effect	-0.01000	.	2174	.	.	0.1	.	.
8) Mean/TURBINE/Yr w/ 2-mo Shut	0.006485	.	2174	.	.	0.1	.	.
9) Prop. change w/ 2-mo Shut	-0.00154	0.01580	2174	-0.10	0.9224	0.1	-0.02754	0.02446
10) Mean/TURBINE/Yr w/ 3-mo Shut	0.006480	0.001174	2174	5.52	<.0001	0.1	0.004548	0.008411
11) Prop. change w/ 3-mo Shut	-0.00231	0.02370	2174	-0.10	0.9224	0.1	-0.04131	0.03669
12) Mean/TURBINE/Yr w/ 4-mo Shut	0.006464	0.003431	2174	1.88	0.0597	0.1	0.000818	0.01211
13) Prop. change w/ 4-mo Shut	-0.00466	0.04777	2174	-0.10	0.9222	0.1	-0.08328	0.07395

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***Estimates for mean GOEA fatalities PER MW
Sampling unit is TURBINE***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	90.1
AIC (smaller is better)	100.1
AICC (smaller is better)	100.1
BIC (smaller is better)	138.0

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/MW/Day (Winter)	0.000157	0.000091	14E3	1.73	0.0837	0.1	7.676E-6	0.000307
2) Mean/MW/Day (Spring)	2.809E-6	.	14E3	.	.	0.1	.	.
3) Mean/MW/Day (Summer)	1.01E-16	.	14E3	.	.	0.1	.	.
4) Mean/MW/Day (Autumn)	0.000275	0.000159	14E3	1.73	0.0836	0.1	0.000014	0.000536
5) Aut. vs. Wint. Daily Rate	0.000118	0.000183	14E3	0.64	0.5200	0.1	-0.00018	0.000419
6) Mean/MW/Yr w/o Shutdown	0.03077	.	14E3	.	.	0.1	.	.
7) Shutdown Effect	-0.01000	.	14E3	.	.	0.1	.	.
8) Mean/MW/Yr w/ 2-mo Shut	0.03068	.	14E3	.	.	0.1	.	.
9) Prop. change w/ 2-mo Shut	-0.00306	0.05207	14E3	-0.06	0.9531	0.1	-0.08872	0.08259
10) Mean/MW/Yr w/ 3-mo Shut	0.03063	.	14E3	.	.	0.1	.	.
11) Prop. change w/ 3-mo Shut	-0.00460	0.07810	14E3	-0.06	0.9531	0.1	-0.1331	0.1239
12) Mean/MW/Yr w/ 4-mo Shut	0.03056	.	14E3	.	.	0.1	.	.
13) Prop. change w/ 4-mo Shut	-0.00670	0.1138	14E3	-0.06	0.9531	0.1	-0.1939	0.1805

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***Estimates for mean GOEA fatalities PER MW
Sampling unit is STRING***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	71.2
AIC (smaller is better)	81.2
AICC (smaller is better)	81.2
BIC (smaller is better)	109.6

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/MW/Day (Winter)	0.000157	0.000091	2174	1.73	0.0839	0.1	7.622E-6	0.000307
2) Mean/MW/Day (Spring)	2.809E-6	.	2174	.	.	0.1	.	.
3) Mean/MW/Day (Summer)	6.2E-17	.	2174	.	.	0.1	.	.
4) Mean/MW/Day (Autumn)	0.000275	0.000159	2174	1.73	0.0837	0.1	0.000013	0.000536
5) Aut. vs. Wint. Daily Rate	0.000118	0.000183	2174	0.64	0.5201	0.1	-0.00018	0.000419
6) Mean/MW/Yr w/o Shutdown	0.03077	.	2174	.	.	0.1	.	.
7) Shutdown Effect	-0.01000	.	2174	.	.	0.1	.	.
8) Mean/MW/Yr w/ 2-mo Shut	0.03068	.	2174	.	.	0.1	.	.
9) Prop. change w/ 2-mo Shut	-0.00306	0.05207	2174	-0.06	0.9531	0.1	-0.08875	0.08262
10) Mean/MW/Yr w/ 3-mo Shut	0.03063	.	2174	.	.	0.1	.	.
11) Prop. change w/ 3-mo Shut	-0.00460	0.07810	2174	-0.06	0.9531	0.1	-0.1331	0.1239
12) Mean/MW/Yr w/ 4-mo Shut	0.03056	.	2174	.	.	0.1	.	.
13) Prop. change w/ 4-mo Shut	-0.00670	0.1138	2174	-0.06	0.9531	0.1	-0.1940	0.1806

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***Estimates for mean RTHA fatalities PER TURBINE
Sampling unit is TURBINE***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	1113.6
AIC (smaller is better)	1123.6
AICC (smaller is better)	1123.6
BIC (smaller is better)	1161.5

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/TURBINE/Day (Winter)	0.000242	0.000055	14E3	4.38	<.0001	0.1	0.000151	0.000334
2) Mean/TURBINE/Day (Spring)	0.000163	0.000036	14E3	4.55	<.0001	0.1	0.000104	0.000222
3) Mean/TURBINE/Day (Summer)	0.000085	0.000024	14E3	3.59	0.0003	0.1	0.000046	0.000124
4) Mean/TURBINE/Day (Autumn)	0.000444	0.000096	14E3	4.64	<.0001	0.1	0.000286	0.000601
5) Aut. vs. Wint. Daily Rate	0.000201	0.000105	14E3	1.91	0.0564	0.1	0.000028	0.000375
6) Mean/TURBINE/Yr w/o Shutdown	0.07308	0.009557	14E3	7.65	<.0001	0.1	0.05736	0.08880
7) Shutdown Effect	-0.4550	0.2086	14E3	-2.18	0.0292	0.1	-0.7981	-0.1119
8) Mean/TURBINE/Yr w/ 2-mo Shut	0.06646	0.007303	14E3	9.10	<.0001	0.1	0.05444	0.07847
9) Prop. change w/ 2-mo Shut	-0.09058	0.05051	14E3	-1.79	0.0730	0.1	-0.1737	-0.00748
10) Mean/TURBINE/Yr w/ 3-mo Shut	0.06315	0.006913	14E3	9.13	<.0001	0.1	0.05178	0.07452
11) Prop. change w/ 3-mo Shut	-0.1359	0.07577	14E3	-1.79	0.0730	0.1	-0.2605	-0.01122
12) Mean/TURBINE/Yr w/ 4-mo Shut	0.05847	0.007001	14E3	8.35	<.0001	0.1	0.04695	0.06998
13) Prop. change w/ 4-mo Shut	-0.1999	0.1045	14E3	-1.91	0.0557	0.1	-0.3718	-0.02807

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***Estimates for mean RTHA fatalities PER TURBINE
Sampling unit is STRING***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	755.4
AIC (smaller is better)	765.4
AICC (smaller is better)	765.4
BIC (smaller is better)	793.8

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/TURBINE/Day (Winter)	0.000242	0.000055	2174	4.38	<.0001	0.1	0.000151	0.000333
2) Mean/TURBINE/Day (Spring)	0.000163	0.000036	2174	4.55	<.0001	0.1	0.000104	0.000222
3) Mean/TURBINE/Day (Summer)	0.000085	0.000024	2174	3.59	0.0003	0.1	0.000046	0.000124
4) Mean/TURBINE/Day (Autumn)	0.000443	0.000096	2174	4.64	<.0001	0.1	0.000286	0.000601
5) Aut. vs. Wint. Daily Rate	0.000202	0.000105	2174	1.91	0.0556	0.1	0.000028	0.000375
6) Mean/TURBINE/Yr w/o Shutdown	0.07296	0.009545	2174	7.64	<.0001	0.1	0.05726	0.08867
7) Shutdown Effect	-0.4509	0.2094	2174	-2.15	0.0314	0.1	-0.7955	-0.1063
8) Mean/TURBINE/Yr w/ 2-mo Shut	0.06642	0.007300	2174	9.10	<.0001	0.1	0.05441	0.07844
9) Prop. change w/ 2-mo Shut	-0.08962	0.05051	2174	-1.77	0.0761	0.1	-0.1727	-0.00650
10) Mean/TURBINE/Yr w/ 3-mo Shut	0.06315	0.006911	2174	9.14	<.0001	0.1	0.05178	0.07453
11) Prop. change w/ 3-mo Shut	-0.1344	0.07576	2174	-1.77	0.0761	0.1	-0.2591	-0.00976
12) Mean/TURBINE/Yr w/ 4-mo Shut	0.05852	0.007002	2174	8.36	<.0001	0.1	0.04700	0.07004
13) Prop. change w/ 4-mo Shut	-0.1979	0.1046	2174	-1.89	0.0586	0.1	-0.3701	-0.02580

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***Estimates for mean RTHA fatalities PER MW
Sampling unit is TURBINE***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	1126.0
AIC (smaller is better)	1136.0
AICC (smaller is better)	1136.0
BIC (smaller is better)	1173.9

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/MW/Day (Winter)	0.002177	0.000486	14E3	4.48	<.0001	0.1	0.001378	0.002975
2) Mean/MW/Day (Spring)	0.001628	0.000359	14E3	4.54	<.0001	0.1	0.001038	0.002217
3) Mean/MW/Day (Summer)	0.000916	0.000255	14E3	3.60	0.0003	0.1	0.000497	0.001334
4) Mean/MW/Day (Autumn)	0.004605	0.001003	14E3	4.59	<.0001	0.1	0.002955	0.006256
5) Aut. vs. Wint. Daily Rate	0.002429	0.001051	14E3	2.31	0.0209	0.1	0.000700	0.004158
6) Mean/MW/Yr w/o Shutdown	0.7203	0.09438	14E3	7.63	<.0001	0.1	0.5650	0.8755
7) Shutdown Effect	-0.1742	0.2823	14E3	-0.62	0.5373	0.1	-0.6386	0.2902
8) Mean/MW/Yr w/ 2-mo Shut	0.6975	0.07594	14E3	9.19	<.0001	0.1	0.5726	0.8224
9) Prop. change w/ 2-mo Shut	-0.03158	0.05377	14E3	-0.59	0.5570	0.1	-0.1200	0.05687
10) Mean/MW/Yr w/ 3-mo Shut	0.6861	0.07367	14E3	9.31	<.0001	0.1	0.5650	0.8073
11) Prop. change w/ 3-mo Shut	-0.04737	0.08065	14E3	-0.59	0.5570	0.1	-0.1800	0.08530
12) Mean/MW/Yr w/ 4-mo Shut	0.6684	0.07942	14E3	8.42	<.0001	0.1	0.5378	0.7991
13) Prop. change w/ 4-mo Shut	-0.07197	0.1205	14E3	-0.60	0.5503	0.1	-0.2702	0.1262

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AIC-2.sas***

***Estimates for mean RTHA fatalities PER MW
Sampling unit is STRING***

****** for turbines that have LOCKED BLADES when shutdown ******

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	767.8
AIC (smaller is better)	777.8
AICC (smaller is better)	777.8
BIC (smaller is better)	806.2

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean/MW/Day (Winter)	0.002171	0.000484	2174	4.48	<.0001	0.1	0.001374	0.002968
2) Mean/MW/Day (Spring)	0.001626	0.000358	2174	4.54	<.0001	0.1	0.001036	0.002216
3) Mean/MW/Day (Summer)	0.000915	0.000255	2174	3.60	0.0003	0.1	0.000496	0.001334
4) Mean/MW/Day (Autumn)	0.004602	0.001003	2174	4.59	<.0001	0.1	0.002952	0.006252
5) Aut. vs. Wint. Daily Rate	0.002431	0.001050	2174	2.31	0.0207	0.1	0.000703	0.004159
6) Mean/MW/Yr w/o Shutdown	0.7194	0.09429	2174	7.63	<.0001	0.1	0.5642	0.8746
7) Shutdown Effect	-0.1697	0.2831	2174	-0.60	0.5489	0.1	-0.6355	0.2961
8) Mean/MW/Yr w/ 2-mo Shut	0.6973	0.07591	2174	9.19	<.0001	0.1	0.5724	0.8222
9) Prop. change w/ 2-mo Shut	-0.03073	0.05377	2174	-0.57	0.5677	0.1	-0.1192	0.05775
10) Mean/MW/Yr w/ 3-mo Shut	0.6862	0.07365	2174	9.32	<.0001	0.1	0.5650	0.8074
11) Prop. change w/ 3-mo Shut	-0.04610	0.08066	2174	-0.57	0.5677	0.1	-0.1788	0.08662
12) Mean/MW/Yr w/ 4-mo Shut	0.6690	0.07942	2174	8.42	<.0001	0.1	0.5383	0.7997
13) Prop. change w/ 4-mo Shut	-0.07007	0.1206	2174	-0.58	0.5613	0.1	-0.2685	0.1284

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