

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean AMKE/TURBINE/Day (Winter)	0.000287	0.000104	52E3	2.77	0.0057	0.1	0.000117	0.000458
2) Mean AMKE/TURBINE/Day (Spring)	0.000269	0.000085	52E3	3.15	0.0017	0.1	0.000128	0.000409
3) Mean AMKE/TURBINE/Day (Summer)	0.000158	0.000079	52E3	2.00	0.0458	0.1	0.000028	0.000289
4) Mean AMKE/TURBINE/Day (Autumn)	0.000429	0.000192	52E3	2.23	0.0257	0.1	0.000113	0.000746
5) Mean AMKE/TURBINE/Yr w/o Shutdown	0.09535	0.01936	52E3	4.93	<.0001	0.1	0.06351	0.1272
6) Shutdown Effect for AMKE	-0.7407	0.2015	52E3	-3.68	0.0002	0.1	-1.0721	-0.4092
7) MeanAMKE/TURBINE/Yr w/ 2-mo Shut	0.08257	0.01665	52E3	4.96	<.0001	0.1	0.05519	0.1100
8) 2-mo Shut.Effect on AMKE/TURBINE/Yr	-0.1340	0.06048	52E3	-2.21	0.0268	0.1	-0.2334	-0.03446
9) MeanAMKE/TURBINE/Yr w/ 3-mo Shut	0.07619	0.01621	52E3	4.70	<.0001	0.1	0.04952	0.1029
10) 3-mo Shut.Effect on AMKE/TURBINE/Yr	-0.2009	0.09072	52E3	-2.21	0.0268	0.1	-0.3502	-0.05169
11) MeanAMKE/TURBINE/Yr w/ 4-mo Shut	0.06822	0.01547	52E3	4.41	<.0001	0.1	0.04278	0.09367
12) 4-mo Shut.Effect on AMKE/TURBINE/Yr	-0.2844	0.1126	52E3	-2.53	0.0115	0.1	-0.4697	-0.09920
13) Mean BUOW/TURBINE/Day (Winter)	0.000534	0.000143	52E3	3.72	0.0002	0.1	0.000298	0.000770
14) Mean BUOW/TURBINE/Day (Spring)	0.000254	0.000085	52E3	2.99	0.0028	0.1	0.000114	0.000394
15) Mean BUOW/TURBINE/Day (Summer)	0.000118	0.000068	52E3	1.73	0.0839	0.1	5.734E-6	0.000231

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
16) Mean BUOW/TURBINE/Day (Autumn)	0.000143	0.000101	52E3	1.41	0.1581	0.1	-0.00002	0.000310
17) Mean BUOW/TURBINE/Yr w/o Shutdown	0.1006	0.01964	52E3	5.12	<.0001	0.1	0.06829	0.1329
18) Shutdown Effect for BUOW	-0.8089	0.1364	52E3	-5.93	<.0001	0.1	-1.0333	-0.5845
19) MeanBUOW/TURBINE/Yr w/ 2-mo Shut	0.07468	0.01447	52E3	5.16	<.0001	0.1	0.05088	0.09847
20) 2-mo Shut.Effect on BUOW/TURBINE/Yr	-0.2576	0.06806	52E3	-3.79	0.0002	0.1	-0.3696	-0.1457
21) MeanBUOW/TURBINE/Yr w/ 3-mo Shut	0.06172	0.01373	52E3	4.50	<.0001	0.1	0.03914	0.08430
22) 3-mo Shut.Effect on BUOW/TURBINE/Yr	-0.3864	0.1021	52E3	-3.79	0.0002	0.1	-0.5543	-0.2185
23) MeanBUOW/TURBINE/Yr w/ 4-mo Shut	0.05351	0.01370	52E3	3.91	<.0001	0.1	0.03097	0.07604
24) 4-mo Shut.Effect on BUOW/TURBINE/Yr	-0.4681	0.1189	52E3	-3.94	<.0001	0.1	-0.6637	-0.2724
25) Mean GOEA/TURBINE/Day (Winter)	0.000011	4.12E-6	52E3	2.70	0.0070	0.1	4.336E-6	0.000018
26) Mean GOEA/TURBINE/Day (Spring)	0.000023	0.000012	52E3	1.83	0.0669	0.1	2.343E-6	0.000043
27) Mean GOEA/TURBINE/Day (Summer)	0.000081	0.000026	52E3	3.15	0.0016	0.1	0.000039	0.000123
28) Mean GOEA/TURBINE/Day (Autumn)	0.000054	0.000031	52E3	1.73	0.0835	0.1	2.696E-6	0.000106
29) Mean GOEA/TURBINE/Yr w/o Shutdown	0.01551	0.003410	52E3	4.55	<.0001	0.1	0.009903	0.02112
30) Shutdown Effect for GOEA	-1.0000	.	52E3	.	.	0.1	.	.
31) MeanGOEA/TURBINE/Yr w/ 2-mo Shut	0.01485	0.003639	52E3	4.08	<.0001	0.1	0.008860	0.02083

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
32) 2-mo Shut.Effect on GOEA/TURBINE/Yr	-0.04298	.	52E3	.	.	0.1	.	.
33) MeanGOEA/TURBINE/Yr w/ 3-mo Shut	0.01451	0.003611	52E3	4.02	<.0001	0.1	0.008572	0.02045
34) 3-mo Shut.Effect on GOEA/TURBINE/Yr	-0.06448	.	52E3	.	.	0.1	.	.
35) MeanGOEA/TURBINE/Yr w/ 4-mo Shut	0.01353	0.003064	52E3	4.42	<.0001	0.1	0.008490	0.01857
36) 4-mo Shut.Effect on GOEA/TURBINE/Yr	-0.1278	.	52E3	.	.	0.1	.	.
37) Mean RTHA/TURBINE/Day (Winter)	0.000171	0.000048	52E3	3.55	0.0004	0.1	0.000092	0.000250
38) Mean RTHA/TURBINE/Day (Spring)	0.000144	0.000035	52E3	4.14	<.0001	0.1	0.000087	0.000201
39) Mean RTHA/TURBINE/Day (Summer)	0.000107	0.000030	52E3	3.60	0.0003	0.1	0.000058	0.000156
40) Mean RTHA/TURBINE/Day (Autumn)	0.000215	0.000060	52E3	3.60	0.0003	0.1	0.000117	0.000314
41) Mean RTHA/TURBINE/Yr w/o Shutdown	0.05469	0.008140	52E3	6.72	<.0001	0.1	0.04130	0.06808
42) Shutdown Effect for RTHA	-0.1848	0.3968	52E3	-0.47	0.6415	0.1	-0.8375	0.4680
43) MeanRTHA/TURBINE/Yr w/ 2-mo Shut	0.05280	0.006382	52E3	8.27	<.0001	0.1	0.04230	0.06329
44) 2-mo Shut.Effect on RTHA/TURBINE/Yr	-0.03468	0.07865	52E3	-0.44	0.6592	0.1	-0.1641	0.09469
45) MeanRTHA/TURBINE/Yr w/ 3-mo Shut	0.05185	0.006555	52E3	7.91	<.0001	0.1	0.04106	0.06263
46) 3-mo Shut.Effect on RTHA/TURBINE/Yr	-0.05202	0.1180	52E3	-0.44	0.6592	0.1	-0.2461	0.1420

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
47) MeanRTHA/TURBINE/Yr w/ 4-mo Shut	0.05078	0.007499	52E3	6.77	<.0001	0.1	0.03844	0.06311
48) 4-mo Shut.Effect on RTHA/TURBINE/Yr	-0.07159	0.1602	52E3	-0.45	0.6549	0.1	-0.3351	0.1919
49) Mean Subtotal(noBUOW)/TURBINE/Yr w/o Shutdown	0.1655	0.02127	52E3	7.78	<.0001	0.1	0.1306	0.2005
50) Mean Subtotal(noBUOW)/TURBINE/Yr w/ 2-mo Shut	0.1502	0.01820	52E3	8.25	<.0001	0.1	0.1203	0.1801
51) Mean Subtotal(noBUOW)/TURBINE/Yr w/ 3-mo Shut	0.1425	0.01785	52E3	7.98	<.0001	0.1	0.1132	0.1719
52) Mean Subtotal(noBUOW)/TURBINE/Yr w/ 4-mo Shut	0.1325	0.01746	52E3	7.59	<.0001	0.1	0.1038	0.1613
53) 2-mo Shut.Effect on Subtotal(noBUOW)/TURBINE/Yr	-0.09263	0.04316	52E3	-2.15	0.0319	0.1	-0.1636	-0.02164
54) 3-mo Shut.Effect on Subtotal(noBUOW)/TURBINE/Yr	-0.1389	0.06474	52E3	-2.15	0.0319	0.1	-0.2454	-0.03246
55) 4-mo Shut.Effect on Subtotal(noBUOW)/TURBINE/Yr	-0.1994	0.08239	52E3	-2.42	0.0155	0.1	-0.3350	-0.06393
56) Mean Total4/TURBINE/Yr w/o Shutdown	0.2661	0.02895	52E3	9.19	<.0001	0.1	0.2185	0.3138
57) Mean Total4/TURBINE/Yr w/ 2-mo Shut	0.2249	0.02325	52E3	9.67	<.0001	0.1	0.1867	0.2631
58) Mean Total4/TURBINE/Yr w/ 3-mo Shut	0.2043	0.02252	52E3	9.07	<.0001	0.1	0.1672	0.2413
59) Mean Total4/TURBINE/Yr w/ 4-mo Shut	0.1860	0.02220	52E3	8.38	<.0001	0.1	0.1495	0.2225

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
60) 2-mo Shut.Effect on Total4/TURBINE/Yr	-0.1550	0.03837	52E3	-4.04	<.0001	0.1	-0.2181	-0.09187
61) 3-mo Shut.Effect on Total4/TURBINE/Yr	-0.2325	0.05756	52E3	-4.04	<.0001	0.1	-0.3272	-0.1378
62) 4-mo Shut.Effect on Total4/TURBINE/Yr	-0.3010	0.06961	52E3	-4.32	<.0001	0.1	-0.4155	-0.1865

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean AMKE/TURBINE/Day (Winter)	0.000288	0.000104	5740	2.77	0.0057	0.1	0.000117	0.000459
2) Mean AMKE/TURBINE/Day (Spring)	0.000269	0.000085	5740	3.15	0.0017	0.1	0.000128	0.000410
3) Mean AMKE/TURBINE/Day (Summer)	0.000159	0.000079	5740	2.00	0.0459	0.1	0.000028	0.000289
4) Mean AMKE/TURBINE/Day (Autumn)	0.000429	0.000192	5740	2.23	0.0257	0.1	0.000113	0.000746
5) Mean AMKE/TURBINE/Yr w/o Shutdown	0.09542	0.01937	5740	4.92	<.0001	0.1	0.06354	0.1273
6) Shutdown Effect for AMKE	-0.7406	0.2016	5740	-3.67	0.0002	0.1	-1.0723	-0.4088
7) MeanAMKE/TURBINE/Yr w/ 2-mo Shut	0.08263	0.01666	5740	4.96	<.0001	0.1	0.05522	0.1100
8) 2-mo Shut.Effect on AMKE/TURBINE/Yr	-0.1340	0.06056	5740	-2.21	0.0269	0.1	-0.2337	-0.03442
9) MeanAMKE/TURBINE/Yr w/ 3-mo Shut	0.07623	0.01622	5740	4.70	<.0001	0.1	0.04955	0.1029
10) 3-mo Shut.Effect on AMKE/TURBINE/Yr	-0.2011	0.09083	5740	-2.21	0.0269	0.1	-0.3505	-0.05163
11) MeanAMKE/TURBINE/Yr w/ 4-mo Shut	0.06827	0.01548	5740	4.41	<.0001	0.1	0.04279	0.09374
12) 4-mo Shut.Effect on AMKE/TURBINE/Yr	-0.2846	0.1128	5740	-2.52	0.0116	0.1	-0.4700	-0.09906
13) Mean BUOW/TURBINE/Day (Winter)	0.000534	0.000143	5740	3.72	0.0002	0.1	0.000298	0.000770
14) Mean BUOW/TURBINE/Day (Spring)	0.000254	0.000085	5740	2.99	0.0028	0.1	0.000114	0.000394
15) Mean BUOW/TURBINE/Day (Summer)	0.000118	0.000069	5740	1.73	0.0839	0.1	5.723E-6	0.000231

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
16) Mean BUOW/TURBINE/Day (Autumn)	0.000143	0.000102	5740	1.41	0.1581	0.1	-0.00002	0.000310
17) Mean BUOW/TURBINE/Yr w/o Shutdown	0.1006	0.01964	5740	5.12	<.0001	0.1	0.06827	0.1329
18) Shutdown Effect for BUOW	-0.8081	0.1370	5740	-5.90	<.0001	0.1	-1.0336	-0.5827
19) MeanBUOW/TURBINE/Yr w/ 2-mo Shut	0.07471	0.01448	5740	5.16	<.0001	0.1	0.05090	0.09853
20) 2-mo Shut.Effect on BUOW/TURBINE/Yr	-0.2573	0.06820	5740	-3.77	0.0002	0.1	-0.3695	-0.1451
21) MeanBUOW/TURBINE/Yr w/ 3-mo Shut	0.06177	0.01374	5740	4.49	<.0001	0.1	0.03916	0.08438
22) 3-mo Shut.Effect on BUOW/TURBINE/Yr	-0.3859	0.1023	5740	-3.77	0.0002	0.1	-0.5542	-0.2176
23) MeanBUOW/TURBINE/Yr w/ 4-mo Shut	0.05357	0.01372	5740	3.90	<.0001	0.1	0.03100	0.07613
24) 4-mo Shut.Effect on BUOW/TURBINE/Yr	-0.4675	0.1192	5740	-3.92	<.0001	0.1	-0.6636	-0.2714
25) Mean GOEA/TURBINE/Day (Winter)	0.000011	4.111E-6	5740	2.69	0.0071	0.1	4.308E-6	0.000018
26) Mean GOEA/TURBINE/Day (Spring)	0.000023	0.000012	5740	1.83	0.0669	0.1	2.339E-6	0.000043
27) Mean GOEA/TURBINE/Day (Summer)	0.000081	0.000026	5740	3.15	0.0016	0.1	0.000039	0.000123
28) Mean GOEA/TURBINE/Day (Autumn)	0.000054	0.000031	5740	1.73	0.0835	0.1	2.691E-6	0.000106
29) Mean GOEA/TURBINE/Yr w/o Shutdown	0.01550	0.003410	5740	4.55	<.0001	0.1	0.009895	0.02111
30) Shutdown Effect for GOEA	-1.0000	.	5740	.	.	0.1	.	.
31) MeanGOEA/TURBINE/Yr w/ 2-mo Shut	0.01484	0.003638	5740	4.08	<.0001	0.1	0.008856	0.02083

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
32) 2-mo Shut.Effect on GOEA/TURBINE/Yr	-0.04284	.	5740	.	.	0.1	.	.
33) MeanGOEA/TURBINE/Yr w/ 3-mo Shut	0.01451	0.003610	5740	4.02	<.0001	0.1	0.008569	0.02045
34) 3-mo Shut.Effect on GOEA/TURBINE/Yr	-0.06426	.	5740	.	.	0.1	.	.
35) MeanGOEA/TURBINE/Yr w/ 4-mo Shut	0.01353	0.003062	5740	4.42	<.0001	0.1	0.008489	0.01856
36) 4-mo Shut.Effect on GOEA/TURBINE/Yr	-0.1276	.	5740	.	.	0.1	.	.
37) Mean RTHA/TURBINE/Day (Winter)	0.000171	0.000048	5740	3.55	0.0004	0.1	0.000092	0.000250
38) Mean RTHA/TURBINE/Day (Spring)	0.000144	0.000035	5740	4.14	<.0001	0.1	0.000087	0.000201
39) Mean RTHA/TURBINE/Day (Summer)	0.000107	0.000030	5740	3.60	0.0003	0.1	0.000058	0.000156
40) Mean RTHA/TURBINE/Day (Autumn)	0.000215	0.000060	5740	3.60	0.0003	0.1	0.000117	0.000314
41) Mean RTHA/TURBINE/Yr w/o Shutdown	0.05467	0.008133	5740	6.72	<.0001	0.1	0.04129	0.06805
42) Shutdown Effect for RTHA	-0.1847	0.3966	5740	-0.47	0.6415	0.1	-0.8371	0.4678
43) MeanRTHA/TURBINE/Yr w/ 2-mo Shut	0.05278	0.006380	5740	8.27	<.0001	0.1	0.04228	0.06327
44) 2-mo Shut.Effect on RTHA/TURBINE/Yr	-0.03465	0.07857	5740	-0.44	0.6592	0.1	-0.1639	0.09461
45) MeanRTHA/TURBINE/Yr w/ 3-mo Shut	0.05183	0.006554	5740	7.91	<.0001	0.1	0.04105	0.06261
46) 3-mo Shut.Effect on RTHA/TURBINE/Yr	-0.05198	0.1179	5740	-0.44	0.6592	0.1	-0.2459	0.1419

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
47) MeanRTHA/TURBINE/Yr w/ 4-mo Shut	0.05076	0.007496	5740	6.77	<.0001	0.1	0.03843	0.06309
48) 4-mo Shut.Effect on RTHA/TURBINE/Yr	-0.07154	0.1601	5740	-0.45	0.6549	0.1	-0.3348	0.1918
49) Mean Subtotal(noBUOW)/TURBINE/Yr w/o Shutdown	0.1656	0.02129	5740	7.78	<.0001	0.1	0.1306	0.2006
50) Mean Subtotal(noBUOW)/TURBINE/Yr w/ 2-mo Shut	0.1502	0.01821	5740	8.25	<.0001	0.1	0.1203	0.1802
51) Mean Subtotal(noBUOW)/TURBINE/Yr w/ 3-mo Shut	0.1426	0.01786	5740	7.98	<.0001	0.1	0.1132	0.1720
52) Mean Subtotal(noBUOW)/TURBINE/Yr w/ 4-mo Shut	0.1326	0.01747	5740	7.59	<.0001	0.1	0.1038	0.1613
53) 2-mo Shut.Effect on Subtotal(noBUOW)/TURBINE/Yr	-0.09269	0.04319	5740	-2.15	0.0319	0.1	-0.1637	-0.02163
54) 3-mo Shut.Effect on Subtotal(noBUOW)/TURBINE/Yr	-0.1390	0.06479	5740	-2.15	0.0319	0.1	-0.2456	-0.03245
55) 4-mo Shut.Effect on Subtotal(noBUOW)/TURBINE/Yr	-0.1995	0.08244	5740	-2.42	0.0155	0.1	-0.3351	-0.06390
56) Mean Total4/TURBINE/Yr w/o Shutdown	0.2662	0.02897	5740	9.19	<.0001	0.1	0.2185	0.3138
57) Mean Total4/TURBINE/Yr w/ 2-mo Shut	0.2250	0.02326	5740	9.67	<.0001	0.1	0.1867	0.2632
58) Mean Total4/TURBINE/Yr w/ 3-mo Shut	0.2043	0.02254	5740	9.07	<.0001	0.1	0.1673	0.2414
59) Mean Total4/TURBINE/Yr w/ 4-mo Shut	0.1861	0.02221	5740	8.38	<.0001	0.1	0.1496	0.2227

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
60) 2-mo Shut.Effect on Total4/TURBINE/Yr	-0.1549	0.03842	5740	-4.03	<.0001	0.1	-0.2181	-0.09167
61) 3-mo Shut.Effect on Total4/TURBINE/Yr	-0.2323	0.05764	5740	-4.03	<.0001	0.1	-0.3271	-0.1375
62) 4-mo Shut.Effect on Total4/TURBINE/Yr	-0.3008	0.06970	5740	-4.32	<.0001	0.1	-0.4154	-0.1861

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean AMKE/MW/Day (Winter)	0.002747	0.000992	52E3	2.77	0.0056	0.1	0.001114	0.004379
2) Mean AMKE/MW/Day (Spring)	0.002805	0.000892	52E3	3.15	0.0017	0.1	0.001339	0.004271
3) Mean AMKE/MW/Day (Summer)	0.001505	0.000753	52E3	2.00	0.0455	0.1	0.000267	0.002743
4) Mean AMKE/MW/Day (Autumn)	0.003272	0.001465	52E3	2.23	0.0255	0.1	0.000862	0.005682
5) Mean AMKE/MW/Yr w/o Shutdown	0.8894	0.1787	52E3	4.98	<.0001	0.1	0.5956	1.1833
6) Shutdown Effect for AMKE	-0.7619	0.1870	52E3	-4.07	<.0001	0.1	-1.0695	-0.4543
7) MeanAMKE/MW/Yr w/ 2-mo Shut	0.7639	0.1515	52E3	5.04	<.0001	0.1	0.5147	1.0130
8) 2-mo Shut.Effect on AMKE/MW/Yr	-0.1412	0.06032	52E3	-2.34	0.0193	0.1	-0.2404	-0.04196
9) MeanAMKE/MW/Yr w/ 3-mo Shut	0.7011	0.1467	52E3	4.78	<.0001	0.1	0.4598	0.9424
10) 3-mo Shut.Effect on AMKE/MW/Yr	-0.2118	0.09048	52E3	-2.34	0.0193	0.1	-0.3606	-0.06294
11) MeanAMKE/MW/Yr w/ 4-mo Shut	0.6323	0.1418	52E3	4.46	<.0001	0.1	0.3990	0.8656
12) 4-mo Shut.Effect on AMKE/MW/Yr	-0.2891	0.1103	52E3	-2.62	0.0087	0.1	-0.4705	-0.1077
13) Mean BUOW/MW/Day (Winter)	0.004795	0.001330	52E3	3.61	0.0003	0.1	0.002608	0.006982
14) Mean BUOW/MW/Day (Spring)	0.002259	0.000755	52E3	2.99	0.0028	0.1	0.001017	0.003501
15) Mean BUOW/MW/Day (Summer)	0.001203	0.000694	52E3	1.73	0.0833	0.1	0.000060	0.002345
16) Mean BUOW/MW/Day (Autumn)	0.001455	0.001029	52E3	1.41	0.1576	0.1	-0.00024	0.003147

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
17) Mean BUOW/MW/Yr w/o Shutdown	0.9262	0.1857	52E3	4.99	<.0001	0.1	0.6207	1.2317
18) Shutdown Effect for BUOW	-0.7756	0.1639	52E3	-4.73	<.0001	0.1	-1.0451	-0.5061
19) MeanBUOW/MW/Yr w/ 2-mo Shut	0.7030	0.1382	52E3	5.09	<.0001	0.1	0.4756	0.9304
20) 2-mo Shut.Effect on BUOW/MW/Yr	-0.2409	0.07484	52E3	-3.22	0.0013	0.1	-0.3640	-0.1178
21) MeanBUOW/MW/Yr w/ 3-mo Shut	0.5915	0.1336	52E3	4.43	<.0001	0.1	0.3717	0.8112
22) 3-mo Shut.Effect on BUOW/MW/Yr	-0.3614	0.1123	52E3	-3.22	0.0013	0.1	-0.5461	-0.1768
23) MeanBUOW/MW/Yr w/ 4-mo Shut	0.5187	0.1350	52E3	3.84	0.0001	0.1	0.2967	0.7408
24) 4-mo Shut.Effect on BUOW/MW/Yr	-0.4399	0.1317	52E3	-3.34	0.0008	0.1	-0.6566	-0.2233
25) Mean GOEA/MW/Day (Winter)	0.000091	0.000036	52E3	2.50	0.0123	0.1	0.000031	0.000151
26) Mean GOEA/MW/Day (Spring)	0.000222	0.000118	52E3	1.88	0.0605	0.1	0.000028	0.000417
27) Mean GOEA/MW/Day (Summer)	0.000770	0.000243	52E3	3.16	0.0016	0.1	0.000369	0.001170
28) Mean GOEA/MW/Day (Autumn)	0.000437	0.000251	52E3	1.74	0.0822	0.1	0.000023	0.000850
29) Mean GOEA/MW/Yr w/o Shutdown	0.1424	0.03139	52E3	4.54	<.0001	0.1	0.09074	0.1940
30) Shutdown Effect for GOEA	-1.0000	.	52E3	.	.	0.1	.	.
31) MeanGOEA/MW/Yr w/ 2-mo Shut	0.1369	0.03347	52E3	4.09	<.0001	0.1	0.08183	0.1920
32) 2-mo Shut.Effect on GOEA/MW/Yr	-0.03842	.	52E3	.	.	0.1	.	.

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
33) MeanGOEA/MW/Yr w/ 3-mo Shut	0.1342	0.03339	52E3	4.02	<.0001	0.1	0.07924	0.1891
34) 3-mo Shut.Effect on GOEA/MW/Yr	-0.05763	.	52E3	.	.	0.1	.	.
35) MeanGOEA/MW/Yr w/ 4-mo Shut	0.1262	0.02953	52E3	4.28	<.0001	0.1	0.07767	0.1748
36) 4-mo Shut.Effect on GOEA/MW/Yr	-0.1132	.	52E3	.	.	0.1	.	.
37) Mean RTHA/MW/Day (Winter)	0.001465	0.000393	52E3	3.73	0.0002	0.1	0.000819	0.002112
38) Mean RTHA/MW/Day (Spring)	0.001163	0.000276	52E3	4.22	<.0001	0.1	0.000709	0.001616
39) Mean RTHA/MW/Day (Summer)	0.000948	0.000263	52E3	3.60	0.0003	0.1	0.000515	0.001381
40) Mean RTHA/MW/Day (Autumn)	0.001988	0.000553	52E3	3.60	0.0003	0.1	0.001079	0.002897
41) Mean RTHA/MW/Yr w/o Shutdown	0.4732	0.06766	52E3	6.99	<.0001	0.1	0.3619	0.5845
42) Shutdown Effect for RTHA	-0.1956	0.3716	52E3	-0.53	0.5987	0.1	-0.8068	0.4156
43) MeanRTHA/MW/Yr w/ 2-mo Shut	0.4560	0.05531	52E3	8.24	<.0001	0.1	0.3650	0.5470
44) 2-mo Shut.Effect on RTHA/MW/Yr	-0.03634	0.07314	52E3	-0.50	0.6193	0.1	-0.1566	0.08397
45) MeanRTHA/MW/Yr w/ 3-mo Shut	0.4474	0.05719	52E3	7.82	<.0001	0.1	0.3533	0.5414
46) 3-mo Shut.Effect on RTHA/MW/Yr	-0.05451	0.1097	52E3	-0.50	0.6193	0.1	-0.2350	0.1260
47) MeanRTHA/MW/Yr w/ 4-mo Shut	0.4372	0.06513	52E3	6.71	<.0001	0.1	0.3301	0.5444

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
48) 4-mo Shut.Effect on RTHA/MW/Yr	-0.07592	0.1506	52E3	-0.50	0.6141	0.1	-0.3236	0.1717
49) Mean Subtotal(noBUOW)/MW/Yr w/o Shutdown	1.5050	0.1936	52E3	7.77	<.0001	0.1	1.1865	1.8234
50) Mean Subtotal(noBUOW)/MW/Yr w/ 2-mo Shut	1.3567	0.1647	52E3	8.24	<.0001	0.1	1.0858	1.6277
51) Mean Subtotal(noBUOW)/MW/Yr w/ 3-mo Shut	1.2826	0.1610	52E3	7.97	<.0001	0.1	1.0179	1.5474
52) Mean Subtotal(noBUOW)/MW/Yr w/ 4-mo Shut	1.1958	0.1588	52E3	7.53	<.0001	0.1	0.9345	1.4570
53) 2-mo Shut.Effect on Subtotal(noBUOW)/MW/Yr	-0.09850	0.04257	52E3	-2.31	0.0207	0.1	-0.1685	-0.02847
54) 3-mo Shut.Effect on Subtotal(noBUOW)/MW/Yr	-0.1477	0.06386	52E3	-2.31	0.0207	0.1	-0.2528	-0.04270
55) 4-mo Shut.Effect on Subtotal(noBUOW)/MW/Yr	-0.2054	0.07998	52E3	-2.57	0.0102	0.1	-0.3370	-0.07389
56) Mean Total4/MW/Yr w/o Shutdown	2.4312	0.2683	52E3	9.06	<.0001	0.1	1.9899	2.8725
57) Mean Total4/MW/Yr w/ 2-mo Shut	2.0598	0.2150	52E3	9.58	<.0001	0.1	1.7061	2.4135
58) Mean Total4/MW/Yr w/ 3-mo Shut	1.8741	0.2092	52E3	8.96	<.0001	0.1	1.5300	2.2182
59) Mean Total4/MW/Yr w/ 4-mo Shut	1.7145	0.2084	52E3	8.23	<.0001	0.1	1.3717	2.0574
60) 2-mo Shut.Effect on Total4/MW/Yr	-0.1528	0.04006	52E3	-3.81	0.0001	0.1	-0.2187	-0.08687

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
61) 3-mo Shut.Effect on Total4/MW/Yr	-0.2291	0.06009	52E3	-3.81	0.0001	0.1	-0.3280	-0.1303
62) 4-mo Shut.Effect on Total4/MW/Yr	-0.2948	0.07228	52E3	-4.08	<.0001	0.1	-0.4137	-0.1759

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
1) Mean AMKE/MW/Day (Winter)	0.002746	0.000992	5740	2.77	0.0057	0.1	0.001114	0.004378
2) Mean AMKE/MW/Day (Spring)	0.002804	0.000891	5740	3.15	0.0017	0.1	0.001338	0.004270
3) Mean AMKE/MW/Day (Summer)	0.001505	0.000753	5740	2.00	0.0456	0.1	0.000267	0.002743
4) Mean AMKE/MW/Day (Autumn)	0.003273	0.001466	5740	2.23	0.0256	0.1	0.000862	0.005685
5) Mean AMKE/MW/Yr w/o Shutdown	0.8893	0.1787	5740	4.98	<.0001	0.1	0.5954	1.1832
6) Shutdown Effect for AMKE	-0.7616	0.1873	5740	-4.07	<.0001	0.1	-1.0696	-0.4535
7) MeanAMKE/MW/Yr w/ 2-mo Shut	0.7638	0.1515	5740	5.04	<.0001	0.1	0.5146	1.0130
8) 2-mo Shut.Effect on AMKE/MW/Yr	-0.1411	0.06034	5740	-2.34	0.0194	0.1	-0.2404	-0.04182
9) MeanAMKE/MW/Yr w/ 3-mo Shut	0.7011	0.1467	5740	4.78	<.0001	0.1	0.4597	0.9424
10) 3-mo Shut.Effect on AMKE/MW/Yr	-0.2116	0.09051	5740	-2.34	0.0194	0.1	-0.3605	-0.06273
11) MeanAMKE/MW/Yr w/ 4-mo Shut	0.6323	0.1418	5740	4.46	<.0001	0.1	0.3990	0.8657
12) 4-mo Shut.Effect on AMKE/MW/Yr	-0.2890	0.1103	5740	-2.62	0.0088	0.1	-0.4705	-0.1075
13) Mean BUOW/MW/Day (Winter)	0.004796	0.001330	5740	3.61	0.0003	0.1	0.002608	0.006984
14) Mean BUOW/MW/Day (Spring)	0.002259	0.000755	5740	2.99	0.0028	0.1	0.001017	0.003501
15) Mean BUOW/MW/Day (Summer)	0.001201	0.000694	5740	1.73	0.0834	0.1	0.000060	0.002342
16) Mean BUOW/MW/Day (Autumn)	0.001454	0.001029	5740	1.41	0.1576	0.1	-0.00024	0.003146

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
17) Mean BUOW/MW/Yr w/o Shutdown	0.9261	0.1857	5740	4.99	<.0001	0.1	0.6206	1.2316
18) Shutdown Effect for BUOW	-0.7756	0.1639	5740	-4.73	<.0001	0.1	-1.0452	-0.5059
19) MeanBUOW/MW/Yr w/ 2-mo Shut	0.7029	0.1382	5740	5.09	<.0001	0.1	0.4756	0.9302
20) 2-mo Shut.Effect on BUOW/MW/Yr	-0.2410	0.07486	5740	-3.22	0.0013	0.1	-0.3642	-0.1178
21) MeanBUOW/MW/Yr w/ 3-mo Shut	0.5913	0.1336	5740	4.43	<.0001	0.1	0.3716	0.8110
22) 3-mo Shut.Effect on BUOW/MW/Yr	-0.3615	0.1123	5740	-3.22	0.0013	0.1	-0.5462	-0.1768
23) MeanBUOW/MW/Yr w/ 4-mo Shut	0.5186	0.1349	5740	3.84	0.0001	0.1	0.2966	0.7406
24) 4-mo Shut.Effect on BUOW/MW/Yr	-0.4400	0.1318	5740	-3.34	0.0008	0.1	-0.6568	-0.2233
25) Mean GOEA/MW/Day (Winter)	0.000091	0.000036	5740	2.50	0.0124	0.1	0.000031	0.000151
26) Mean GOEA/MW/Day (Spring)	0.000222	0.000118	5740	1.88	0.0605	0.1	0.000028	0.000417
27) Mean GOEA/MW/Day (Summer)	0.000770	0.000243	5740	3.16	0.0016	0.1	0.000369	0.001170
28) Mean GOEA/MW/Day (Autumn)	0.000437	0.000252	5740	1.74	0.0823	0.1	0.000023	0.000851
29) Mean GOEA/MW/Yr w/o Shutdown	0.1424	0.03139	5740	4.54	<.0001	0.1	0.09074	0.1940
30) Shutdown Effect for GOEA	-1.0000	.	5740	.	.	0.1	.	.
31) MeanGOEA/MW/Yr w/ 2-mo Shut	0.1369	0.03348	5740	4.09	<.0001	0.1	0.08183	0.1920
32) 2-mo Shut.Effect on GOEA/MW/Yr	-0.03841	.	5740	.	.	0.1	.	.

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
33) MeanGOEA/MW/Yr w/ 3-mo Shut	0.1342	0.03339	5740	4.02	<.0001	0.1	0.07924	0.1891
34) 3-mo Shut.Effect on GOEA/MW/Yr	-0.05761	.	5740	.	.	0.1	.	.
35) MeanGOEA/MW/Yr w/ 4-mo Shut	0.1263	0.02952	5740	4.28	<.0001	0.1	0.07768	0.1748
36) 4-mo Shut.Effect on GOEA/MW/Yr	-0.1133	.	5740	.	.	0.1	.	.
37) Mean RTHA/MW/Day (Winter)	0.001465	0.000393	5740	3.73	0.0002	0.1	0.000819	0.002112
38) Mean RTHA/MW/Day (Spring)	0.001163	0.000276	5740	4.22	<.0001	0.1	0.000710	0.001617
39) Mean RTHA/MW/Day (Summer)	0.000948	0.000263	5740	3.60	0.0003	0.1	0.000516	0.001381
40) Mean RTHA/MW/Day (Autumn)	0.001988	0.000552	5740	3.60	0.0003	0.1	0.001079	0.002897
41) Mean RTHA/MW/Yr w/o Shutdown	0.4732	0.06767	5740	6.99	<.0001	0.1	0.3619	0.5846
42) Shutdown Effect for RTHA	-0.1955	0.3716	5740	-0.53	0.5988	0.1	-0.8069	0.4158
43) MeanRTHA/MW/Yr w/ 2-mo Shut	0.4560	0.05532	5740	8.24	<.0001	0.1	0.3650	0.5471
44) 2-mo Shut.Effect on RTHA/MW/Yr	-0.03632	0.07314	5740	-0.50	0.6194	0.1	-0.1566	0.08399
45) MeanRTHA/MW/Yr w/ 3-mo Shut	0.4475	0.05720	5740	7.82	<.0001	0.1	0.3534	0.5415
46) 3-mo Shut.Effect on RTHA/MW/Yr	-0.05449	0.1097	5740	-0.50	0.6194	0.1	-0.2350	0.1260
47) MeanRTHA/MW/Yr w/ 4-mo Shut	0.4373	0.06514	5740	6.71	<.0001	0.1	0.3302	0.5445
48) 4-mo Shut.Effect on RTHA/MW/Yr	-0.07588	0.1506	5740	-0.50	0.6143	0.1	-0.3236	0.1718

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
49) Mean Subtotal(noBUOW)/MW/Yr w/o Shutdown	1.5049	0.1936	5740	7.77	<.0001	0.1	1.1864	1.8234
50) Mean Subtotal(noBUOW)/MW/Yr w/ 2-mo Shut	1.3568	0.1647	5740	8.24	<.0001	0.1	1.0858	1.6277
51) Mean Subtotal(noBUOW)/MW/Yr w/ 3-mo Shut	1.2827	0.1610	5740	7.97	<.0001	0.1	1.0179	1.5475
52) Mean Subtotal(noBUOW)/MW/Yr w/ 4-mo Shut	1.1959	0.1588	5740	7.53	<.0001	0.1	0.9346	1.4572
53) 2-mo Shut.Effect on Subtotal(noBUOW)/MW/Yr	-0.09843	0.04258	5740	-2.31	0.0208	0.1	-0.1685	-0.02838
54) 3-mo Shut.Effect on Subtotal(noBUOW)/MW/Yr	-0.1476	0.06387	5740	-2.31	0.0208	0.1	-0.2527	-0.04257
55) 4-mo Shut.Effect on Subtotal(noBUOW)/MW/Yr	-0.2053	0.08000	5740	-2.57	0.0103	0.1	-0.3370	-0.07372
56) Mean Total4/MW/Yr w/o Shutdown	2.4310	0.2683	5740	9.06	<.0001	0.1	1.9897	2.8723
57) Mean Total4/MW/Yr w/ 2-mo Shut	2.0597	0.2150	5740	9.58	<.0001	0.1	1.7060	2.4134
58) Mean Total4/MW/Yr w/ 3-mo Shut	1.8740	0.2092	5740	8.96	<.0001	0.1	1.5299	2.2181
59) Mean Total4/MW/Yr w/ 4-mo Shut	1.7145	0.2084	5740	8.23	<.0001	0.1	1.3716	2.0574
60) 2-mo Shut.Effect on Total4/MW/Yr	-0.1527	0.04008	5740	-3.81	0.0001	0.1	-0.2187	-0.08681

output from e:\reviews\altamont\m\analyses\19sep07\analyze 19SEP07 feathering.sas

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

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

The NLMIXED Procedure

Additional Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t 	Alpha	Lower	Upper
61) 3-mo Shut.Effect on Total4/MW/Yr	-0.2291	0.06012	5740	-3.81	0.0001	0.1	-0.3280	-0.1302
62) 4-mo Shut.Effect on Total4/MW/Yr	-0.2947	0.07231	5740	-4.08	<.0001	0.1	-0.4137	-0.1758