

STATUS AND TIER CLASSIFICATIONS OF AWI WIND TURBINES

Note: WEST Tier classification list based on Smallwood/Spiegel June 2005 assessment - list received from Tara Happy of AIC/FPLE 11-April-2007

Count	WT Twr No.	June S Tier	North / South	Avian S/D	Monitored	Black Blade	Pylon	Count	WT Twr No.	June S Tier	North / South	Avian S/D	Monitored	Black Blade	Pylon
WTs Shutdown Mar. 2005 - Jun. 2005								Tier 1 WTs							
1	0080	1	N	A			P	1	0080	1	N	A			P
2	1390	1	S	A	M			2	0089	1	N	A			
3	1391	1	S	A	M			3	1390	1	S	A	M		
4	1392	2	S	A	M		P	4	1391	1	S	A	M		
5	1393	2	S	A	M		P	5	1395	1	S	A	M		P
6	1394	2	S	A	M		P	6	1396	1	S	A	M		
7	1395	1	S	A	M		P	7	2957	1	N	A			P
8	2957	1	N	A			P	8	4371	1	N	A	M		P
9	4371	1	N	A	M		P	9	6155	1	N	A			P
10	4372	2	N	A	M		P	1.0%				7			
11	4481	4	N	A		(previously B)	P	Tier 2 WTs							
12	5001	2	S	A	M		P	1	0038	2	N		M		
13	5072	4	S	A			P	2	0064	2	N				
14	6046	3	N	A	M		P	3	0082	2	N				
15	6077	3	N	A			P	4	0083	2	N				
16	6155	1	N	A			P	5	0090	2	N				
17	6609		S	A			P	6	1349	2	S		MM		
18	6630		S	A			P	7	1380	2	S		MM		
2.0%								8	1392	2	S	A	M		P
Shutdown WTs relocated to Mar. 2005 - Oct. 2005								9	1393	2	S	A	M		P
1	1552				M			10	1394	2	S	A	M		P
2	1561		S		M			11	1400	2	S		M		
3	1562		S		M			12	1538	2	S		M		
4	1603		S					13	1539	2	S		M		
5	1605		S					14	1540	2	S		M		
6	1606		S					15	4372	2	N	A	M		P
7	5175	6	S		M			16	4373	2	N		M		
8	6052	5	N		M			17	4436	2	N				
9	6053	5	N		M			18	5001	2	S	A	M		P
10	6062	5	N		M			19	6177	2	N				
11	6064	5	N		M			2.1%				5			
12	6075	6	N					Unclassified WTs							
13	6081	5	N					1146-1152	5076	5338-5343	6101-6154				
14	6470		N					1298-1307	5084-5097	5366-5367	6160				
15	6500		N					1348	5158	5391	6178-6182				
16	6501		N					1386-1388	5181-5194	5405-5418	6457-6503				
17	6535	5	N					1551-1565	5253-5259	6001-6013	6527-6532				
1.8%								1582-1606	5301-5323	6016-6042	6601-6645				
								342							
								37.2%							

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NOTES:

G-2 CUP shutdown or relocate conditions:

1. By Oct. 31, 2005: "...shutdown or relocate the individual turbines specifically identified by BioResource Consultants, Inc. in their research for the California Energy Commission, as "Tier 1" hazardous turbines (approximately 2 percent of all turbines)." [Apr. 2007 SRC recommended changing to "Smallwood and Spiegel, June 2005" and "approximately 1 percent"].
2. By Sep. 30, 2007: "...shutdown or relocate approximately one-quarter of all turbines identified as the second most hazardous turbines (Tier 2 turbines, approximately 0.5 percent of all turbines)..."

WEST Comments:

Variable	Description
June S	This is the assessment purportedly accepted by the SRC (document P21 dated 06-Mar-2007, handed-out at the 11-Apr-2007 SRC meeting.
Tier 10	Purported January assessment - provided to WEST by Shawn Smallwood on 31-Jan- 2005. Variable name "Tier 10" in the CEC data base.
Tier 30	Provided 21-Jul-2005 after WEST requested a dataset that had the results of the January, March and June models all in one file. Also purported to be from the January assessment. Variable name "Tier 30" in the CEC data base.
Tier 70	Provided 02-May-2005 by Linda Spiegel after WEST requested the information , results of MW adjusted assessment. Variable name "Tier 70" in the CEC data base.
June	Results of June assessment. WEST had requested the January, March and June tiering all in one file, but this was never provided.
String ID	CEC WT

Disclaimer: Errors may exist in this dataset. For example, the Bonus turbines at Patterson Pass were misclassified in CEC database as 150 kW. WEST had requested a dataset that had the results of the January, March, and June assessments all in one file, but this dataset was never provided. WEST merged the datasets from the individual assessments based on unique ID's. In addition, results of the January assessment have been provided to WEST as two different variables (Tier 10 and Tier 30). These should be verified by CEC and the SRC.

WEST recommends that the selection of high risk turbines be based on upcoming SRC discussions and recommendations.

RESULTS:

Tiers	Quantity	Percent
1	9	1.0%
2	19	2.1%
3	29	3.2%
4	37	4.0%
5	223	24.2%
6	261	28.4%
not classified	342	37.2%
	920	100.0%

Notes:

1. WEST Tier classification list based on Smallwood/Spiegel June 2005 assessment - list received from Tara Happy of AIC/FPLE 11-April-2007.
2. WEST monitoring lists: orig "M" received from Tara Happy of AIC/FPLE 16-Jan-2007; additional WTs added to list (to monitor approx. 2,500 total) - "MM" received from Tara Happy of AIC/FPLE 04-Apr-2007.
3. Avian S/D "A" = WTs permanently shut down and/or relocated.
4. "B" = WT with painted blade set (1 black, 2 white).
5. "P" = WT tower left in place as end-row "pylon" flight diverter.
6. "WT" = wind turbine
7. All info accurate as of the date of this spreadsheet, unless stated differently (pylons info being confirmed).