WIND FARMS TX		Alternative Energy Institute	www.windenergy.org			Revised	12/18/09								
		West Texas A&M University								Cal	Diameter		Tower	Ht	
TX	Name	Location	County	Owner	Online	Power Purchase	Turbine	#	kW	MW	m	ft	m	ft	rpm
1*	Texas Wind Power Project	Delaware Mts	Culberson	FPL Energy	95	Lower Colorado Rive	Kenetch	109	365	39.8	33	108	24.5	80	variable
2*	Delaware Mountain Wind Far	Delaware Mts	Culberson	FPL Energy	99	Lower Colorado Rive	Zond	38	750	28.5	40	131	40	131	
4	Big Spring	Big Spring	Howard	Cathiness	99	TXU	Vestas	42	660	27.7	47	154	50	164	28
	Phase II				99		Vestas	4	1650	6.6	66	216	78	256	15/19
5	Southwest Mesa Wind Farm		Crockett	FPL Energy	99	AEP	NEG-Micon	107	700	74.9	48	157	50	164	14/22
6	Trent Mesa		Nolan/Taylor	AEP	01	TXU	Enron	100	1500	150.0	70.5	231	61	200	12/20
7	Hueco Mt Wind Ranch	El Paso Co	El Paso	Shell/Padoma	01	El Paso Electric	Vestas	2	660	1.3	47	154	50	164	28
8	Llano Estacado Wind Ranch	White Deer	Carson	Shell Wind	01	Xcel	Mitsubishi	80	1000	80.0	56	184	60	197	21
9	Woodward Mt Wind Ranch		Pecos/Upton	FPL Energy	01	TXU	Vestas	242	660	159.7	47	154	50	164	28
10	King Mt Wind Ranch	McCamey	Upton	FPL Energy	01	Texas New Mexico P	Bonus	214	1300	278.2	61.4	201	60	197	20
11	Desert Sky (Indian Mesa I)	Iraan	Upton/Crocke	AEP	01	San Antonio City	Enron	107	1500	160.5	70.5	231	65	213	11/20
12	Indian Mesa II	Iraan	Pecos	National Wind Pc	01	TXU/ LCRA	Vestas	125	660	82.5	47	154	50	164	28
13	Great Plains Windpower	Gruver	Hansford	Great Plains Wind	03	XCEL	Vestas	1	3000	3.0	90	295	80	262	16
14	Green Mt Wind Farm at Braz	Fluvana	Garza/Scurry,	Shell Wind/Mitsu	03	TXU, Green Mt Ener	Mitsubishi	60	1000	60.0	56	184	60	197	21
								100	1000	100.0	61.4	201	69	226	21
10-2	King Mt Wind Ranch	McCamey	Upton	FPL Energy	03		Vestas	1	3000	3.0	90	295	80	262	16
15-1	Sweetwater 1	Sweetwater	Nolan	DKRW-Babcock E	03	TXU	GE 1.5s	25	1500	37.5	70.5	231	80	262	11/22
15-2	Sweetwater 2		Nolan	DKRW-Babcock	05	Austin Energy	GE 1.5sl	61	1500	91.5	77	253	80	262	11/22
15-3	Sweetwater Cottonwood Cre	Roscoe (S)	Nolan	DKRW BB Catam	05	CPS Energy/Austin	GEWind	90	1500	135.0	77	253	80	262	11/22
16	Calahan Divide WEC	Abilene (SW)	Taylor	FPL Energy	05	Austin Energy	GE 1.5sl	76	1500	114.0	77	253	80	262	11/20
17-1	Buffalo Gap 1	Abilene (SW)	Taylor	AES	05	Direct Energy	Vestas	67	1800	120.6	80	262	78	256	16
18-1	Horse Hollow 1	Abilene (SW)	Taylor	FPL Energy	05	various	GEWind	140	1500	210.0	70.5	231	80	262	11/20
19	John Deere 1-3	Gruver (N)	Hansford	John Deere	05	XCEL	Suzlon	24	1250	30.0	64	210	73	239	14/21
18-1	Horse Hollow 1	Abilene (SW)	Taylor	FPL Energy	06	various	GEWind	2	1500	3.0	70.5	231	80	262	11/20
18-2	Horse Hollow 2	Abilene (SW)	Taylor/Nolan	FPL Energy	06	various	Siemens	130	2300	299.0	70.5	231	80	262	11/20
18-3	Horse Hollow 3	Abilene (SW)	Nolan	FPL Energy	06	various	GEWind	149	1500	223.5	77	253	80	262	11/20
20	John Deere 5	Texhoma	Sherman	John Deere	06	XCEL	Suzlon	8	1250	10.0	64	210	73	239	14/21
21-1	Forest Creek 1	Big Spring (SE	Glasscock/Ste	Artricity	06	Luminant	Siemens	38	2300	87.4	96	315	82	269	11/17
22	Red Canyon	Fluvana	Borden/Garza	FPL Energy	06	various	GE	56	1500	84.0	77	253	80	262	11/20
15-4	Sweetwater 4a		Nolan	DKRW-Babcock	07	CPS	Mitsubishi	135	1000	135.0	61	200	69	226	20
15-4	Sweetwater 4b		Nolan	DKRW-Babcock	07	CPS	Siemens	46	2300	105.8	93	305	80	262	11/20
17-2	Buffalo Gap 2		Taylor	AES	07	Direct Energy	GE	155	1500	232.5	77	253	80	262	11/20
21-2	Forest Creek 2		Glasscock/Ste	E.ON	07	Luminant	Siemens	16	2300	36.8	96	315	82	269	11/17
23	Sand Bluff	Big Spring (SE	Glasscock/Ste	E.ON	07	Direct Energy	Gamesa	45	2000	90.0	80	262	80	262	9/19
24	John Deere 4	Gruver (N)	Hansford	John Deere	07	XCEL	Suzlon	38	2100	79.8	88	289	90	295	14/21
25	John Deere 6	Texhoma	Sherman	John Deere	07	XCEL	Suzlon	8	1250	10.0	64	210	72	236	14/21
26	Wildorado Wind Ranch	Wildorado	Oldham/Potte	EMG	07	XCEL	Siemens	70	2300	161.0	96	315	82	269	11/20
27-1	Mesquite (Lone Star 1)	Albany	Schackleford	Horizon/RES	07	Direct Energy	Gamesa	122	2000	244.0	80	262	80	262	9/19

28-1	Camp Springs WEC	Snyder	Scurry	Invenergy	07	market	GE 1.5sle	87	1500	130.5	77	253	80	262	11/20
29	Whirlwind	Floydada (E)	Floyd	RES America	07	Austin Energy	Siemens	26	2300	59.8	96	315	80	262	11/20
30	Snyder Wind 1	Snyder	Scurry	ENEL	07	?	Vestas	21	3000	63.0	90	295	105	344	16
15-5	Sweetwater 5		Nolan	DKRW-Babcock	07	market	Siemens	35	2300	80.5	93	305	80	262	11/20
31	Capricorn Ridge	Sterling City	Sterling/coke	FPL Energy	07	mixed	Siemens	65	2300	149.5	93	305	80	262	11/20
		Sterling City	Sterling/coke	FPL Energy	07		GE 1.5sle	143	1500	214.5	77	253	80	262	11/20
17-3	Buffalo Gap 3		Taylor	AES	08	Direct Energy	Siemens	74	2300	170.2	96	315	80	262	11/20
27-2	Mesquite 2 (Lone Star 2)	Albany	Schackleford/	Horizon/RES	08	Jaron	Gamesa G8	78	2000	156.0	80	262	80	262	9/19
29-2	Camp Springs WEC	Snyder	Scurry	Invenergy	08	wholesale mkt	GE 1.5sle	80	1500	120.0	77	253	80	262	11/20
31-2	Capricorn Ridge	Sterling City	Sterling/coke	FPL Energy	08	mixed	GE 1.5sle	199	1500	298.5	77	253	80	262	11/20
32	Barton Chapel	Jacksboro	Jack	Gamesa Energy	08	market	Gamesa	60	2000	120.0	80	262	80	262	9/19
33-1	Roscoe		Nolan/Mitche	E.ON	08	Luminant	Mitsubishi	209	1000	209.0	61	200	75	246	20
33-2	Champion		Nolan/Mitche	E.ON	08	market	Siemens	55	2300	126.5	96	315	80	262	11/20
34	John Deere 7-9	Sunray	Moore	John Deere	08	XCEL	Suzlon	24	1250	30.0	64	210	73	239	14/21
35	John Deere 10-11	Dumas	Moore	John Deere	08	XCEL	Suzlon	16	1250	20.0	64	210	73	239	14/21
36	Wege Wind Farm	Panhandle (W)	Carson	John Deere	08	XCEL	Suzlon	8	1250	10.0	64	210	73	239	14/21
37	Goat Mt	Sterling City	Sterling	Cielo/Edison Mis	08	Market	Mitsubishi	80	1000	80.0	61	200	?		11/20
					08		Mitsubishi	29	2400	69.6	92or95		?		9/15
38	McAdoo	McAdoo	Dickens	Invenergy	08	market	GE 1.5sle	100	1500	150.0	77	253	80	262	11/20
39	Silver Star 1		Erath/Eastlan	BP/Clipper	08	market	Clipper C96	24	2500	60.0	96	315	80	262	10/16
40-1	Panther Creek	Big Spring (S)	Howard	E.ON	08		GE 1.5sle	95	1500	142.5	77	253	80	262	11/20
41	Sherbino 1	Bakersfield	Pecos	Padoma/BP	08	market	Vestas	50	3000	150.0	90	295			
42	Ocotolio Windpower 1	Big Spring	Howard	Duke	08	Barclays Bank	Suzlon	28	2100	58.8	88	289	90	295	14/21
43	Turkety Track	Sweetwater (S	Nolan, Runnel	Invenergy	08	market	GE 1.5sle	113	1500	169.5	77	253	80	262	11/20
44	Stanton Energy Center	Stanton (N)	Martin	Invenergy	08	market	GE 1.5sle	80	1500	120.0	77	253	80	262	11/20
45	Notrees	Odessa (W)	Ector/Winkler	Duke Energy	08		Vestas	55	1650	90.8	82	269			
46	Hackberry	Albany (SE)	Schackleford	RES	08	Austin Energy	Siemens	72	2300	165.6	96	315	80	262	11/20
47	PYCO Industries (cotton oil p	Lubbock	Lubbock	PYCO	08	on site	Baoding Hu	10	1000	10.0	55	180	70	230	
48-1	Noble Great Plains Windpark	Gruver (N)	Hansford	Noble Environmental Power			GE 1.5	76	1500	114.0	77	253	80	262	11/20
49	Wolf Ridge	St Joe (N)	Cooke	FPL Energy	08		GE 1.5sle	75	1500	112.5	77	253	80	262	11/20
50	Bull Creek	Gail (N)	Borden	Eurus Energy	08	market	Mitsubishi	180	1000	180.0	61	200	69	226	9/15
51-1	Majestic Wind Power 1	Panhandle (W)	Carson	Babcock&Brown	08	SWEPCO	GE 1.5sle	53	1500	79.5	77	253	80	262	11/20
52	Trent South	Trent (S)	Nolan/Taylor?	Babcock&Brown	08		Siemens	44	2300	101.2	96	315	80	262	11/20
33-3	Roscoe (Inadale)		Nolan/Mitche	E.ON	09	E.ON	Mitsubishi	197	1000	197.0	61	200	75	246	11/20
33-4	Roscoe (Pyron)		Nolan/Mitche	E.ON	09		GE	166	1500	249.0	77	253	80	262	11/20
40-2	Panther Creek	Big Spring (S)	Howard	E.ON	09		GE 1.5sle	77	1500	115.5	77	253	80	262	11/20
53	Elbow Creek	Big Spring	Howard	NRG/Padoma	09	market	Siemens	53	2300	121.9	96	315	80	262	11/20
54-1	Texas Gulf Winds	Marita (SE)	Kenedy	Babcock&Brown	09		Mitsubishi	118	2400	283.2	95	312	80	262	9/15
55-1	Peñascal	Marita (SE)	Kenedy	Iberdrola	09	CPS San Antonio?Sc	Mitsubishi	84	2400	201.6	95	312	80	262	9/15
56	Sunray (S)	Sunray (S)	Moore	Valero	UC	Xcel	GE 1.5sle	33	1500	49.5	77	253	80	262	11/20
57	Papalote Creek	West Sinton (N	Patricio	E.ON	UC	CPS San Antonio	Vestas	109	1650	179.9					

58	Lorraine	Lorraine	Mitchel/Nolan	Third Planet	UC		GE 1.5sle	67	1500	100.5	77	253	80	262	11/20
59	Langford	San Angelo (S	Tom Green	Padoma (NRG)	09	market ?	GE 1.5sle	100	1500	150.0	77	253	80	262	11/20
60	Little Pringle 1&2	Morse (S)	Hutchinson	Higher Perpetual	UC		DE Wind	20	2000	40.0	80	262	90	295	
55-2	Peñascal	Marita (SE)	Kenedy	Iberdrola	UC	CPS San Antonio	Mitsubishi	84	2400	201.6	95	312	80	262	9/15
61	Cedro Hill	Oilton	Webb	Ed Mission	P	CPE	GE 1.5sle	100	1500	150.0	77	253	80	262	11/20
	TOTAL							6385		9648					
	## year comissioned: UC under construction: P propsed														
*1	Texas Wind Power Project	Original installation				Lower Colorado Rive	Kenetch	112	330	35**	33	108	24.5	80	
	** substation limitation														
*2	Delaware Mountain Wind Far	Original installation			99		Zond	40	750	30.0	40	131	40	131	
3	Fort Davis	Fort Davis	Jeff Davis	AES	99	West Texas Utilities	Zond	12	500	6.0	40	131	40	131	29
	Retired Feb 04														
											Avg Size			Cum	Cum
				Avg Size	Yr			#/yr		MW/yr		yr		#	MW
	Manf 07	# turbines	MW	MW	95			109		39.8		0.4		109	39.8
	GE/Enron/Zond	1229	1815	1.5	99			191		137.7		0.7		300	178
	Siemens/Bonus	640	1258	2.0	01			870		912.2		1		1170	1090
	Vestas/NEG-Micon	612	542	0.9	03			187		203.5		1.1		1357	1293
	Mitsubishi	375	375	1.0	2005			458		701.1		1.5		1815	1994
	Gamesa	167	367	2.2	2006			383		706.9		1.8		2198	2701
	Suzlon	78	98	1.3	2007			1012		1792.7		1.8		3210	4494
	Kenetech	109	39	0.4	2008			1967		3114.2		1.58		5177	7608
	subtotal	3210	4494		2009			1004		1648.1		1.64		6181	9256
					2010			184		351.6		1.91		6365	9608
	Large wind farms														
	Roscoe	782			1995										
	Horse Hollow	736			1999										
	Capricorn Ridge	663			2001										
	Sweetwater	585			2003										
	Buffalo Gap	523			2004										
					2005										
					2006										
					2007										
					2008										
					2009										
					2010										