

Wind Plant Economic Impact Summary for Class 4 and Greater Sites in Western NC

	Project Location	Project Size (MW)	Project Construction Cost	Annual Output During Construction (Millions of \$)			Annual Output During Operation (Millions of \$)			
				Jobs	Earnings	Output	Jobs	Earnings	Output	
	North Carolina	5	\$5,000,000	13	\$ 0.37	\$ 1.35	2	\$ 0.07	\$ 0.15	
	North Carolina	10	\$10,000,000	26	\$ 0.73	\$ 2.71	4	\$ 0.13	\$ 0.29	
	North Carolina	25	\$25,000,000	64	\$ 1.83	\$ 6.77	11	\$ 0.32	\$ 0.71	
	North Carolina	50	\$50,000,000	128	\$ 3.66	\$ 13.53	21	\$ 0.64	\$ 1.43	
	Western NC Total	8860	\$8,860,000,000	22,193	\$648.68	\$2,398.27	3,728	\$112.68	\$251.71	
	Ashe County	5	\$5,000,000	1	\$ 0.01	\$ 0.04	1	\$ 0.01	\$ 0.04	
	Ashe County	10	\$10,000,000	1	\$ 0.02	\$ 0.08	2	\$ 0.06	\$ 0.11	
	Ashe County	25	\$25,000,000	3	\$ 0.05	\$ 0.20	6	\$ 0.15	\$ 0.26	
Turbine size	1.5 MW	Ashe County	50	\$50,000,000	6	\$ 0.10	\$ 0.40	11	\$ 0.30	\$ 0.53
Year of construction	2005	Ashe County	437	\$437,000,000	50	\$ 0.90	\$ 3.47	99	\$ 2.65	\$ 4.59
Dollar year	2004									
Construction cost	\$1000/kW	Avery County	5	\$5,000,000	1	\$ 0.01	\$ 0.05	1	\$ 0.04	\$ 0.07
Turbine density	7/mile	Avery County	10	\$10,000,000	2	\$ 0.02	\$ 0.09	3	\$ 0.07	\$ 0.13
		Avery County	25	\$25,000,000	4	\$ 0.06	\$ 0.24	7	\$ 0.17	\$ 0.31
		Avery County	50	\$50,000,000	8	\$ 0.12	\$ 0.47	14	\$ 0.34	\$ 0.63
		Avery County	540	\$540,000,000	81	\$ 1.33	\$ 5.08	148	\$ 3.70	\$ 6.73
		Alleghany County	5	\$5,000,000	1	\$ 0.01	\$ 0.04	1	\$ 0.02	\$ 0.05
		Alleghany County	10	\$10,000,000	1	\$ 0.02	\$ 0.08	2	\$ 0.05	\$ 0.09
		Alleghany County	25	\$25,000,000	3	\$ 0.05	\$ 0.19	4	\$ 0.12	\$ 0.22
		Alleghany County	50	\$50,000,000	5	\$ 0.10	\$ 0.38	9	\$ 0.23	\$ 0.45
		Alleghany County	92	\$92,000,000	10	\$ 0.18	\$ 0.71	16	\$ 0.43	\$ 0.82
		Buncombe County	5	\$5,000,000	7	\$ 0.16	\$ 0.53	2	\$ 0.05	\$ 0.09
		Buncombe County	10	\$10,000,000	13	\$ 0.33	\$ 1.05	3	\$ 0.09	\$ 0.17
		Buncombe County	25	\$25,000,000	33	\$ 0.81	\$ 2.64	8	\$ 0.22	\$ 0.41
		Buncombe County	50	\$50,000,000	66	\$ 1.63	\$ 5.27	16	\$ 0.45	\$ 0.83
		Buncombe County	903	\$903,000,000	1190	\$ 29.39	\$ 95.19	280	\$ 8.10	\$ 14.86

Burke County	5	\$5,000,000	3	\$ 0.07	\$ 0.24	1	\$ 0.04	\$ 0.07
Burke County	10	\$10,000,000	6	\$ 0.15	\$ 0.49	2	\$ 0.07	\$ 0.13
Burke County	25	\$25,000,000	15	\$ 0.37	\$ 1.22	6	\$ 0.18	\$ 0.33
Burke County	50	\$50,000,000	30	\$ 0.74	\$ 2.44	12	\$ 0.36	\$ 0.66
Burke County	168	\$168,000,000	102	\$ 2.48	\$ 8.21	40	\$ 1.20	\$ 2.21
Cherokee County	5	\$5,000,000	1	\$ 0.01	\$ 0.05	1	\$ 0.04	\$ 0.07
Cherokee County	10	\$10,000,000	1	\$ 0.03	\$ 0.09	3	\$ 0.07	\$ 0.13
Cherokee County	25	\$25,000,000	3	\$ 0.06	\$ 0.24	6	\$ 0.17	\$ 0.33
Cherokee County	50	\$50,000,000	7	\$ 0.13	\$ 0.47	13	\$ 0.34	\$ 0.66
Cherokee County	231	\$231,000,000	31	\$ 0.60	\$ 2.18	59	\$ 1.59	\$ 3.04
Clay County	5	\$5,000,000	1	\$ 0.01	\$ 0.04	1	\$ 0.02	\$ 0.04
Clay County	10	\$10,000,000	1	\$ 0.02	\$ 0.07	2	\$ 0.04	\$ 0.08
Clay County	25	\$25,000,000	3	\$ 0.05	\$ 0.19	4	\$ 0.10	\$ 0.21
Clay County	50	\$50,000,000	5	\$ 0.10	\$ 0.37	8	\$ 0.21	\$ 0.41
Clay County	262	\$262,000,000	28	\$ 0.50	\$ 1.94	42	\$ 1.09	\$ 2.15
Graham County	5	\$5,000,000	1	\$ 0.01	\$ 0.04	1	\$ 0.02	\$ 0.05
Graham County	10	\$10,000,000	1	\$ 0.02	\$ 0.07	2	\$ 0.04	\$ 0.09
Graham County	25	\$25,000,000	3	\$ 0.05	\$ 0.18	5	\$ 0.11	\$ 0.21
Graham County	50	\$50,000,000	5	\$ 0.10	\$ 0.37	10	\$ 0.22	\$ 0.43
Graham County	345	\$345,000,000	36	\$ 0.72	\$ 2.53	66	\$ 1.52	\$ 2.91
Haywood County	5	\$5,000,000	3	\$ 0.07	\$ 0.24	1	\$ 0.04	\$ 0.07
Haywood County	10	\$10,000,000	7	\$ 0.13	\$ 0.48	3	\$ 0.07	\$ 0.13
Haywood County	25	\$25,000,000	16	\$ 0.33	\$ 1.19	6	\$ 0.18	\$ 0.33
Haywood County	50	\$50,000,000	33	\$ 0.66	\$ 2.39	13	\$ 0.35	\$ 0.65
Haywood County	1601	\$1,601,000,000	1047	\$ 21.02	\$ 76.37	409	\$ 11.26	\$ 20.77
Henderson County	5	\$5,000,000	3	\$ 0.08	\$ 0.25	1	\$ 0.04	\$ 0.07
Henderson County	10	\$10,000,000	6	\$ 0.16	\$ 0.51	3	\$ 0.07	\$ 0.14
Henderson County	25	\$25,000,000	16	\$ 0.39	\$ 1.27	6	\$ 0.18	\$ 0.34
Henderson County	50	\$50,000,000	32	\$ 0.78	\$ 2.55	13	\$ 0.37	\$ 0.68
Henderson County	191	\$191,000,000	123	\$ 2.97	\$ 9.74	48	\$ 1.40	\$ 2.60
Jackson County	5	\$5,000,000	1	\$ 0.01	\$ 0.05	1	\$ 0.04	\$ 0.07

Jackson County	10	\$10,000,000	1	\$ 0.03	\$ 0.09	3	\$ 0.07	\$ 0.13
Jackson County	25	\$25,000,000	3	\$ 0.07	\$ 0.23	6	\$ 0.17	\$ 0.32
Jackson County	50	\$50,000,000	7	\$ 0.13	\$ 0.46	13	\$ 0.35	\$ 0.63
Jackson County	378	\$378,000,000	50	\$ 1.00	\$ 3.47	97	\$ 2.62	\$ 4.76
Macon County	5	\$5,000,000	1	\$ 0.01	\$ 0.05	1	\$ 0.04	\$ 0.07
Macon County	10	\$10,000,000	1	\$ 0.03	\$ 0.09	2	\$ 0.07	\$ 0.13
Macon County	25	\$25,000,000	3	\$ 0.07	\$ 0.23	6	\$ 0.17	\$ 0.31
Macon County	50	\$50,000,000	6	\$ 0.13	\$ 0.47	12	\$ 0.34	\$ 0.63
Macon County	336	\$336,000,000	43	\$ 0.89	\$ 3.14	83	\$ 2.27	\$ 4.20
Madison County	5	\$5,000,000	1	\$ 0.01	\$ 0.04	1	\$ 0.03	\$ 0.06
Madison County	10	\$10,000,000	1	\$ 0.02	\$ 0.07	2	\$ 0.06	\$ 0.11
Madison County	25	\$25,000,000	3	\$ 0.05	\$ 0.18	6	\$ 0.16	\$ 0.27
Madison County	50	\$50,000,000	5	\$ 0.10	\$ 0.35	12	\$ 0.32	\$ 0.53
Madison County	546	\$546,000,000	55	\$ 1.09	\$ 3.87	132	\$ 3.45	\$ 5.80
McDowell County	5	\$5,000,000	1	\$ 0.01	\$ 0.04	1	\$ 0.03	\$ 0.06
McDowell County	10	\$10,000,000	1	\$ 0.02	\$ 0.07	2	\$ 0.06	\$ 0.11
McDowell County	25	\$25,000,000	3	\$ 0.05	\$ 0.19	6	\$ 0.16	\$ 0.27
McDowell County	50	\$50,000,000	5	\$ 0.10	\$ 0.37	11	\$ 0.31	\$ 0.54
McDowell County	437	\$437,000,000	46	\$ 0.88	\$ 3.27	100	\$ 2.73	\$ 4.72
Mitchell County	5	\$5,000,000	1	\$ 0.01	\$ 0.04	1	\$ 0.03	\$ 0.06
Mitchell County	10	\$10,000,000	1	\$ 0.02	\$ 0.09	2	\$ 0.07	\$ 0.12
Mitchell County	25	\$25,000,000	3	\$ 0.06	\$ 0.22	6	\$ 0.17	\$ 0.29
Mitchell County	50	\$50,000,000	6	\$ 0.12	\$ 0.44	12	\$ 0.33	\$ 0.58
Mitchell County	472	\$472,000,000	59	\$ 1.17	\$ 4.18	110	\$ 3.11	\$ 5.42
Polk County	5	\$5,000,000	1	\$ 0.01	\$ 0.04	1	\$ 0.03	\$ 0.06
Polk County	10	\$10,000,000	1	\$ 0.02	\$ 0.08	2	\$ 0.07	\$ 0.12
Polk County	25	\$25,000,000	3	\$ 0.06	\$ 0.20	6	\$ 0.17	\$ 0.30
Polk County	50	\$50,000,000	5	\$ 0.11	\$ 0.40	11	\$ 0.33	\$ 0.60
Polk County	82	\$82,000,000	8	\$ 0.19	\$ 0.66	19	\$ 0.54	\$ 0.98
Swain County	5	\$5,000,000	1	\$ 0.01	\$ 0.04	1	\$ 0.03	\$ 0.05
Swain County	10	\$10,000,000	1	\$ 0.02	\$ 0.09	2	\$ 0.05	\$ 0.10

Swain County	25	\$25,000,000	3	\$ 0.06	\$ 0.21	5	\$ 0.13	\$ 0.24
Swain County	50	\$50,000,000	7	\$ 0.11	\$ 0.43	9	\$ 0.25	\$ 0.49
Swain County	561	\$561,000,000	73	\$ 1.26	\$ 4.79	105	\$ 2.82	\$ 5.45
Transylvania County	5	\$5,000,000	1	\$ 0.01	\$ 0.05	1	\$ 0.03	\$ 0.07
Transylvania County	10	\$10,000,000	1	\$ 0.02	\$ 0.10	2	\$ 0.07	\$ 0.14
Transylvania County	25	\$25,000,000	3	\$ 0.06	\$ 0.25	6	\$ 0.16	\$ 0.34
Transylvania County	50	\$50,000,000	6	\$ 0.12	\$ 0.50	12	\$ 0.33	\$ 0.68
Transylvania County	273	\$273,000,000	31	\$ 0.66	\$ 2.72	63	\$ 1.78	\$ 3.67
Watauga County	5	\$5,000,000	3	\$ 0.07	\$ 0.26	1	\$ 0.04	\$ 0.07
Watauga County	10	\$10,000,000	7	\$ 0.15	\$ 0.52	3	\$ 0.07	\$ 0.14
Watauga County	25	\$25,000,000	17	\$ 0.37	\$ 1.30	6	\$ 0.18	\$ 0.34
Watauga County	50	\$50,000,000	35	\$ 0.74	\$ 2.61	13	\$ 0.36	\$ 0.68
Watauga County	585	\$585,000,000	405	\$ 8.66	\$ 30.53	147	\$ 4.21	\$ 7.96
Yancey County	5	\$5,000,000	1	\$ 0.01	\$ 0.04	1	\$ 0.03	\$ 0.06
Yancey County	10	\$10,000,000	1	\$ 0.02	\$ 0.08	2	\$ 0.06	\$ 0.11
Yancey County	25	\$25,000,000	3	\$ 0.05	\$ 0.19	5	\$ 0.15	\$ 0.27
Yancey County	50	\$50,000,000	5	\$ 0.10	\$ 0.39	11	\$ 0.31	\$ 0.54
Yancey County	420	\$420,000,000	45	\$ 0.84	\$ 3.24	102	\$ 2.77	\$ 5.24