

Appendix A

## **Existing Wind Projects in the APWRA**

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**Appendix A-1. Existing Conditional Use Permits in the APWRA**

CUP Number	Windfarm Size (MW)	Number of Turbines	Assessor's Parcel Number	Wind Company	Land Owner
C-8161	2.89	38	099B-7750-006-00	SeaWest Power Resources LLC	Pombo
C-8191	4.0	16	099B-7910-001-01	Windworks	Mulqueeny
C-8201	3.38	52	099B-7875-001-02; 099B-7875-001-03	SeaWest Power Resources LLC	Griffith & Brockman
C-8203	8.52	131	099B-7500-003-01; 099B-7600-001-01	SeaWest Power Resources LLC	Arnaudo & Castello
C-8233	2.6	26	099B-6125-004-00	Altamont Infrastructure Company	Elliott
C-8234	2.4	27	099A-1790-001-00	Altamont Infrastructure Company	Ralph Properties II
C-8235	6.1	40	099A-1785-001-13	Altamont Infrastructure Company	Corbett
C-8236	3.4	34	099B-5658-001-00	Altamont Infrastructure Company	Dunton
C-8237	13.6	136	099B-5610-001-00; 099B-6075-003-00	Altamont Infrastructure Company	Alhalla Enterprises
C-8238	23.8	238	099B-7375-001-07; 099B-7300-001-05; 099B-325-001-03	Altamont Infrastructure Company	Ralph Properties II
C-8239	3.0	30	099B-6125-005-00	Altamont Infrastructure Company	Jackson
C-8241	23.8	238	099B-6100-002-10; 099B-6100-002-11; 099B-6100-003-01; 099B-6100-003-11	Altamont Infrastructure Company	Walker Family Trust
C-8242	17.5	175	099B-6150-002-07; 099B-6150-003-00; 099B-6150-004-10	Altamont Infrastructure Company	Marie Gomes Farms
C-8244	17.5	175	099B-1795-001-00; 099A-1790-002-00; 099B-6425-002-03	Altamont Infrastructure Company	Marie Gomes Farms
C-8023	2.4	30	099B-6325-001-04	Seawest Power Resources LLC	Johnston
C-8031	5.46	47	099B-1810-001-00; 099B-1770-002-01; 099B-1770-002-02; 099B-1770-002-03	Altamont Power Company	Corbett
C-8036	0.7	7	099B-5680-015-00	Altamont Infrastructure Company	Frick
C-8037	6.5	65	099B-6300-002-01; 099B-6300-002-02; 099B-6325-002-03; 099B-6325-002-04; 099B-6325-001-06	Altamont Infrastructure Company	Pombo
C-8134	3.1	31	099B-6125-002-00	Altamont Infrastructure Company	Rooney

CUP Number	Windfarm Size (MW)	Number of Turbines	Assessor's Parcel Number	Wind Company	Land Owner
C-8136	0.17	17	099B-6100-002-07	Altamont Infrastructure Company	Contra Costa Water District
C-8137	70	697	099A-1800-002-03; 099A-1800-002-04; 099B 7890-002-04; 099B-7890-002-05; 099B-7900-001-05; 099B-7900-001-07; 099B-7910-001-01; 099B-7925-001-03; 099B-7925-001-04; 099B-7925-002-04; 099B-7925-002-05; 099B-7975-001-00; 099B-7980-001-00; 099B-7985-001-03; 099B-7985-001-04; 099B-7985-001-05; 099B-7985-001-06; 099B-8050-001-00	Altamont Infrastructure Company	Mulqueeney
C-8173	0.9	9	099B-7890-001-03	Altamont Infrastructure Company	Wildlands, Inc.
C-8182	8.23	182	099B-6325-001-03	Seawest Power Resources, LLC	Ralph Properties II
C-8224	37.92	291	099B-6130-002-00; 099B-6130-003-00; 099B-6175-001-01; 099B-6175-002-03	Altamont Power Company	Elworthy
C-8225	3.1	10	099B-5650-002-01	Altamont Infrastructure Company	Guo & Lin
C-8231	26.77	260	099B-6062-003-00; 099B-6062-005-00; 099B-6225-001-00; 099B-6250-001-00; 099B-6275-001-01; 099B-6300-004-01	Altamont Infrastructure Company	Altamont Landfill – Waste Management Inc.
C-8232	5.0	50	099B-6125-003-00	Altamont Infrastructure Company	Egan
C-8240	1.2	12	099B-5650-002-04	Altamont Infrastructure Company	Hansen
C-8263	21.8	336	099A-1800-001-00; 099A-1800-002-01; 099B-7985-001-02	Enxco, Inc.	Patterson Pass Farms-Fields

**Appendix A-2. Existing Turbines in the Altamont Pass Wind Resource Area**

Company	Project Site	Turbine Model	Generation	Tower Type	Tower Height (m)	Turbine Height (m)	Rotor Diameter (m)	Rotor-Swept Area (m <sup>2</sup> )	Cut-in Speed (m/s)	Turbine Rated Capacity (kW)	Existing Turbines (#)	Removed Turbines (#)	Total Turbines (#)	Existing Turbines Rated Capacity (MW)	Removed Turbines Rated Capacity (MW)	Total Historic Rated Capacity (MW)
<b>Alameda County</b>																
AES SeaWest	Altech I	Enertech	1/2	Lattice	18.3	25.9	13.4	141.3	4	40	133	11	144	5.3	0.4	5.8
	ESI (Johnson)	Enertech	1/2	Lattice	18.3	25.9	13.4	141.3	4	40	0	26	26	0.0	1.0	1.0
	Santa Clara	Vestas (V-17)	1/2	Lattice	24.4	32.9	17.1	228.8	4	95	199	3	202	18.9	0.3	19.2
	Swamp (TV 11 & 12)	Micon	1/2	Tubular	24.4	32.3	15.8	197.3	4	65	11	1	12	0.7	0.1	0.8
	Taxvest (AC/GB)	Micon	1/2	Tubular	24.4	32.3	15.8	197.3	4	65	181	2	183	11.8	0.1	11.9
	Venture Winds	Polenko	1/2	Tubular	24.4	33.5	18.0	254.0	6	100	12	0	12	1.2	0.0	1.2
	Venture Winds	Windmatic	1/2	Lattice	18.3	25.6	14.6	168.1	5	65	21	5	26	1.4	0.3	1.7
	Viking '83	Micon	1/2	Tubular	24.4	32.3	15.8	197.3	4	65	26	0	26	1.7	0.0	1.7
Altamont Power	Altamont Power	Danwin	1/2	-	-	-	-	-	-	110	0	25	25	0.0	2.8	2.8
	Altamont Power	Flowind	1/2	-	-	-	-	-	-	150	0	169	169	0.0	25.4	25.4
Altamont Winds	EIF Altamont	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	89	11	100	8.9	1.1	10.0
	WEG	250 kW	1/2	-	-	-	-	-	-	250	20	0	20	5.0	0.0	5.0
	WPP 87	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	411	89	500	41.1	8.9	50.0
	WPP 88	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	270	30	300	27.0	3.0	30.0
enXco	Difwind 7	Bonus	1/2	Tubular	24.4	34.1	19.4	294.2	4	120	179	21	200	21.5	2.5	24.0
	Difwind 9	Bonus	1/2	Tubular	24.4	34.1	19.4	294.2	4	120	103	19	122	12.4	2.3	14.7
	Patterson Pass	Bonus	1/2	-	18.3	-	-	-	-	65	204	7	211	13.3	0.5	13.7
	Patterson Pass	Nordtank	1/2	Tubular	24.4	32.3	15.8	197.3	4	65	117	8	125	7.6	0.5	8.1
NextEra	WPP 89	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	52	64	116	5.2	6.4	11.6
	GRP	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	573	247	820	57.3	24.7	82.0
	GRP	KVS 33	1/2	-	24.4-36.6	40.9-53.1	33.0	855.3	-	400	21	0	21	8.4	0.0	8.4
	WPP 90	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	79	61	140	7.9	6.1	14.0
	WPP 91	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	126	37	163	12.6	3.7	16.3
	WPP 91-2	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	142	80	222	14.2	8.0	22.2
	WPP 92	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	182	106	288	18.2	10.6	28.8
	Diablo Winds	Vestas V-47	3	Tubular	41-65	64.5-88.0	46.9	1,730.5	4	660	31		31	20.5		20.5
<i>Subtotal</i>											<i>3,182</i>	<i>1,022</i>	<i>4,204</i>	<i>322.1</i>	<i>108.7</i>	<i>430.8</i>
<b>Contra Costa County</b>																
Pattern Energy	Tres Vaqueros	Howden	1/2	Tubular	25.0	39.9	31.1	759.1	4	330	79	7	86	26.1	2.3	28.4
	Tres Vaqueros	Howden	1/2	Tubular	34.1	49.0	45.4	1,619.9	5	750	1	0	1	0.8	0.0	0.8
enXco	Buena Vista	Danwin	1/2	-	-	-	-	-	-		0	14	14	0.0	0.0	0.0
	Buena Vista	Nordtank	1/2	-	24.4	32.3	15.8	197.3	4	65	0	60	60	0.0	3.9	3.9
	Buena Vista	Windmaster	1/2	-	-	-	-	-	-		0	101	101	0.0	0.0	0.0
	Difwind 9	Bonus	1/2	Tubular	24.4	45.7	23.2	421.5	-	150	3	0	3	0.5	0.0	0.5
NextEra	WPP 89	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	0	1	1	0.0	0.1	0.1
	GRP	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	0	671	671	0.0	67.1	67.1
	GRP	KVS 33	1/2	-	24.4-36.6	40.9-53.1	33.0	855.3	-	400	0	20	20	0.0	8.0	8.0
	WPP 90	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	0	10	10	0.0	1.0	1.0
	WPP 91-2	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	0	57	57	0.0	5.7	5.7
	WPP 92	Kenetech 56-100	1/2	Lattice	18.3-42.7	27.7-52.1	18.0	254.0	5	100	0	12	12	0.0	1.2	1.2
Wintec	Northwind	-	1/2	-	-	-	-	-	-	186	0	186	12.1	0.0	12.1	
Intigen	Buena Vista	Mitsubishi 1000A	3	Tubular	60-68	89.5-97.5	61.4	2,959.4	2.5	1,000	38	0	38	38.0		38.0
<i>Subtotal</i>											<i>307</i>	<i>953</i>	<i>1,260</i>	<i>77.5</i>	<i>89.3</i>	<i>166.8</i>
<b>AWPRA Total</b>											<b>3,489</b>	<b>1,975</b>	<b>5,464</b>	<b>399.6</b>	<b>198.0</b>	<b>597.6</b>

Source: Avian Monitoring Team database. Last updated October 2011.

- = data not available.