

Hawaii State Energy Office Renewable Energy Projects

Prev.								<i>Proposed Production/Displacement</i>	
Rank	Rank	Project Name	Developer(s)	Technology	Location	Island	Electricity	Fuel	
1	3	Honolulu Emergency Power Facility	State Department of Transportation, HECO	Biofuel	Honolulu	Oahu	8 MW		
2	4	Honua Power Project	Honua Technologies	Waste-to-Energy	Kapolei	Oahu	6.6 MW		
3	6	Green Energy Agricultural Biomass-	Green Energy Team, LLC	Biomass	Koloa	Kauai	6.7 MW		
4	9	Hu Honua Bioenergy Facility	Hu Honua Bioenergy, LLC	Biomass	Pepeekeo	Hawaii	21.5 MW		
5	15	Anahola Solar	Homestead Community	Solar	Anahola	Kauai	12 MW		
6	10	Cellana Biofuel Project	Cellana LLC	Biofuel	Kailua-Kona	Hawaii		1.26 MGY	
7	11	IC Sunshine Solar Project	IC Sunshine, SunEdison, Axio	Solar	Kapolei	Oahu	5 MW		
8	16	Kalaeloa Renewable Energy Park	Scatec, Hunt Development	Solar	Kalaeloa	Oahu	5 MW		
9	40	Waikoloa Water Community Wind	HWS Wind 001 LLC	Wind	Waikoloa	Hawaii	100 kW		
10	13	Off-Grid Powered Agricultural Operation	Gen-X Energy Development	Wind	Hawi	Hawaii	100 kW		
11	14	AKP Kau Renewable Fuel Facility	Aina Koa Pono	Biofuel	Kau	Hawaii		24 MGY	
12	17	Phycal Algae Pilot Project	Phycal Inc.	Biofuel	Wahiawa	Oahu		.15 MGY	
13	18	Castle & Cooke Lanai Wind Project	Castle & Cooke	Wind	Lanai City	Lanai	200 MW		
14	19	Kalepa Water Project	KIUC	Hydroelectric	Kalepa	Kauai	4 MW		

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15	20	Kalaeloa Home Lands Solar	Kalaeloa Home Lands Solar, LLC,DHHL	Solar	Kapolei	Oahu	5 MW	
16	21	Kalaeloa Solar Power I	Keahole Solar Power, LLC	Solar	Kalaeloa	Oahu	5 MW	
17	22	UOP Integrated Bio-Refinery Pilot Project	Honeywell UOP	Biofuel	Kapolei	Oahu		0.06132 MGY
18	23	Molokai Renewables Wind Project	Pattern Energy, Bio-Logical Capital	Wind	Molokai Ranch	Molokai	200 MW	
19	24	Ulupalakua Geothermal	Ormat	Geothermal	Ulupalakua Ranch	Maui	24 MW	
20	25	Maui County Landfill Waste-to-Energy	Maui County	Waste-to-Energy	Puunene	Maui	15 MW	
21	26	Honolulu Sea Water Air Conditioning	Honolulu Sea Water Air Conditioning	Ocean	Kakaako	Oahu	25,000 ton cooling load	
22		KRS2 Solar Project	KIUC, Grove Farm, SolarCity	Solar	Koloa	Kauai	12 MW	
23	28	Puu Opaе Water Project	KIUC	Hydroelectric	Kekaha	Kauai	8.3 MW	
24	29	Hanalei River Hydroelectric Project	KIUC	Hydroelectric	Hanalei	Kauai	3 MW	
25		Castle & Cooke Solar Farm (1)	Castle & Cooke	Solar	Mililani	Oahu	20 MW	
26		Castle & Cooke Solar Farm (2)	Castle & Cooke	Solar	Mililani	Oahu	20 MW	
27		Castle & Cooke Solar Farm (3)	Castle & Cooke	Solar	Mililani	Oahu	20 MW	
28	27	Castle & Cooke Solar Farm (4)	Castle & Cooke	Solar	Mililani	Oahu	20 MW	
29		Kikiaola Solar	KIUC, Kikiaola Solar, Pacific Energy Partners	Solar	Kekaha	Kauai	3.5 MW	

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30	30	BioEnergy Hawaii Waste Conversion	BioEnergy Hawaii	Waste-to-Energy	Kailua-Kona	Hawaii	11 MW	
31	32	Puu Lua Hydropower Project	Pacific Light & Power, Konohiki Hydro Power	Hydroelectric	Kekaha	Kauai	5.3 MW	
32	31	Lalamilo Wind Farm Repowering Project	Department of Water Supply, County of	Wind	South Kohala	Hawaii	2 MW	
33	33	OTEC Pilot Project	OTEC International, LLC	Ocean	Kailua-Kona	Hawaii	1 MW	
34	34	Kekaha Menehune Water Project	KIUC	Hydroelectric	Kekaha	Kauai	1.5 MW	
35	35	Anahola Water Project	KIUC	Hydroelectric	Anahola	Kauai	300 kW	
36	38	Maui County Landfill Gas Project	Maui County	Biomass	Puunene	Maui	1 MW	
37	37	Olokele River Hydroelectric Project	Gay & Robinson, KIUC	Hydroelectric	Kaumakani	Kauai	6 MW	
38		Kauai Biodigestion Project	Pacific Light & Power, Konohiki Hydro Power	Biomass	Kekaha	Kauai	4.5 MW	
39	39	Big Island Beef Community Wind	Gen-X Energy Development	Wind	Paauilo	Hawaii	100 kW	
40		Molokai Irrigation System Hydropower	State of Hawaii Department of	Hydroelectric	Molokai Ranch	Molokai	TBD	