California

2012 Renewable Energy Action Team (REAT) Generation Tracking Projects, California Desert Protection Act of 2011, & Draft Proposed Competitive Renewable Energy Zones Updated 8/3/2012

Prepared by the California Energy Commission Cartography Unit for the DRECP Stakeholders

REAT 2012 Projects
- Biomass
- Geothermal
- Small Hydro
- Solar PV
- Solar Thermal
- Wind
- Wind/Solar PV

RETI Competitive Renewable Energy Zones (CREZ)
- CREZ Boundary

Federal Energy Corridors
- 368 Transmission Corridor
- Bureau of Land Management Energy Corridor

Approved Transmission Projects
- CAISO Approved Projects
- IID Approved Projects
- LADWP Approved Projects
- CAISO Proposed Policy-Driven Projects
- Western Area Power Administration Approved Project

Land Ownership
- Bureau of Land Management
- Department of Defense
- Bureau of Indian Affairs
- California State Park
- State Owned Land
- Williamson Act
  NOTE: Williamson Act for Imperial, Orange, Kings, Inyo and San Benito Coutinos not available
- The Wildlands Conservancy
- Citizen's Wilderness Inventory
- Private Land

Prohibited, Restricted & Limited Lands
- Category I Lands
  Energy Development Prohibited or Restricted by Policy
- Category II Lands
  Some Energy Development May Be Possible With Significant Limitations

California Desert Protection Act of 2011
- Proposed Desert Protection

Cultural Resource Constraints
- Historic U.S. Route 66
- Sensitive Areas

Other Features
- Community
- Existing Substation
- Approved Substation
- Road
- County Boundary
- CEC Approved Solar Project
- CEC Approved Geothermal
- CEC Approved Solar Thermal Hybrid Project
- CEC Current Solar Project
- Wind Testing Sites
- Desert Renewable Energy Conservation Plan Boundary
- Area of Critical Environmental Concern
- Disturbed Area
- Mohave Ground Squirrel Core Population
- Mohave Ground Squirrel Range
- Water Body
- Renewable Energy Study Area 10/13/2011

1 inch equals 16 miles

0 8 16 32 48 64 80
Miles

2012 Renewable Energy Action Team
Generation Tracking Projects
8/2/2012

NAME	Type	GRID	NAME	Type	GRID	NAME	Type	GRID
29 Palms PV Project	Solar PV	I-12	Gestamp Solar	Solar PV	C-7	Ruby Solar Project	Solar PV	G-11
Absolutely Solar	Solar PV	F-12	Gestamp Solar (2)	Solar PV	D-9	Russell	Solar PV	G-12
Absolutely Solar	Solar PV	G-12	Gestamp Solar (c/o Francisco Sanchez)	Solar PV	D-9	Salton Sea Solar Farm I	Solar PV	I-14
Adera Solar	Solar PV	D-8	Gestamp Solar (c/o Marco Lara)	Solar PV	E-9	Salton Sea Solar Farm II	Solar PV	I-14
AES Daggett Ridge	Wind	H-11	Gestamp Solar Aoetyn (2)	Solar PV	D-9	San Benito Smart Energy Park LLC	Solar PV	C-9
AES Solar Imperial Valley PV*	Solar PV	I-14	Gestamp Solar Enrio	Solar PV	D-9	San Bernard	Solar PV	F-11
ALIVE Energy Farm	Solar PV	I-14	Gestamp Solar Matson	Solar PV	D-9	San Bernard Solar	Solar PV	F-11
Alpaugh Atwell Island West	Solar PV	E-10	GlobAll Connect (SMUD FIT)	Solar PV	C-7	San Joaquin	Solar PV	D-9
Alpaugh North	Solar PV	E-10	Golden Hills (Altamont Repower II)	Wind	C-7	Sand Canyon	Wind	F-11
Alpaugh Solar	Solar PV	E-10	Goose Lake Solar	Solar PV	E-10	Sand Canyon of Tehachapi	Wind	F-11
Alpine Solar Project	Solar PV	F-11	Grangeville	Solar PV	E-9	Sand Drag (Sun City 2)	Solar PV	D-10
Alta	Wind	F-11	Granite Mountain Wind	Wind	H-12	Sand Ridge	Wind	H-11
Alta Addendum II	Wind	F-11	Granite Wind, LLC	Wind	H-12	Scatech Westside Solar	Solar PV	C-8
Alta East	Wind	F-11	Gray Butte Solar PV	Solar PV	G-10	Schindler 1 and 2	Solar PV	D-9
Alta East Infill	Wind	F-11	Great Lakes	Solar PV	F-11	Schindler South Solar Center	Solar PV	D-9
American Lake	Solar PV	G-12	Great Valley	Solar PV	E-10	SEPV2 -Twentynine Palms Solar	Solar PV	H-12
American Solar	Solar PV	F-12	GWF Tracy Amendment	Solar PV	C-8	SEPV8,LLC	Solar PV	H-12
Annedale Solar	Solar PV	D-9	Gypsum Solar	Solar PV	J-13	SEPV9, LLC	Solar PV	H-12
Antelope Solar	Solar PV	F-12	Hall	Solar PV	F-12	Shiloh III	Wind	C-7
Antelope Solar 1	Solar PV	F-12	Heber	Solar PV	I-14	Shiloh IV	Wind	C-7
Antelope Solar 2	Solar PV	F-12	High Desert Solar	Solar PV	F-11	Siberia	Solar PV	H-12
Antelope Solar Farm (Mojave Solar 4)	Solar PV	F-12	Horizon Energy	Solar PV	F-12	Sierra Pacific Industries Cogeneration Power Project	Biomass	B-4
Antelope Solar Project	Solar PV	F-12	Horizon Wind Energy	Wind	G-11	Sierra Solar	Solar PV	F-12
Antelope Valley	Solar PV	F-12	Horn PV	Solar PV	F-12	Silver Sun	Solar PV	F-12
Antelope Valley Solar	Solar PV	F-11	Hudson Ranch II	Geothermal	I-14	Silver Valley	Solar PV	H-11
Apple Valley	Solar PV	G-12	Huron	Solar PV	D-10	Silverado Power	Solar PV	F-12
Aurora Solar LLC	Solar PV	G-12	Imperial Solar	Solar Therm	I-14	Silverado Power	Solar PV	F-12
AV Solar Ranch One	Solar PV	F-11	Imperial Valley Solar Co. I	Solar PV	I-13	Silverado Power	Solar PV	G-12
Avalon I	Wind	F-11	Indigo Solar Project	Solar PV	H-11	Silverado Power	Solar PV	F-11
Avalon Riverside	Solar PV	H-13	Indio Solar Project	Solar PV	H-13	Silverado Power	Solar PV	G-12
Avalon Solar	Wind	H-11	Ingomar CUP	Solar PV	D-8	Silverado Power (1)	Solar PV	D-9
Avalon Solar Development	Solar PV	G-12	Jacobs Corner	Solar PV	E-10	Silverado Power (2)	Solar PV	D-9
Avenal Park	Solar PV	D-10	Jayne East	Solar PV	D-10	Silverado Power (3)	Solar PV	D-9
Avenida Del Sol Solar Project	Solar PV	G-10	Jewel Valley	Wind	H-14	Silverado Power (4)	Solar PV	E-9
Bakersfield Fuel and Oil Solar Project	Solar PV	E-11	Johnson Valley SEGS	Solar Therm	H-12	Silverado Power (CUP 12-08)	Solar PV	F-12
Bannister	Solar PV	I-13	Joshua Tree	Solar PV	G-12	Silverado Power (CUP 12-09)	Solar PV	F-12
Barren Ridge I	Solar PV	G-11	Kamm	Solar PV	E-9	SinarPower	Solar PV	F-11
Barren Ridge Solar	Solar PV	G-11	King City Wind Project	Wind	D-10	Sirius Solar	Solar PV	F-11
Barstow Housing Solar Farm	Solar PV	H-11	Kingbird Solar	Solar PV	F-11	Smyrna Solar	Solar PV	E-10
Bear River Ridge	Wind	A-4	Kramer Junction Solar Energy Center	Solar PV	G-11	Solar Electric Solutions LLC	Solar PV	G-12
Beautiful Earth	Solar PV	F-12	LA Solar 20	Solar PV	G-12	Solar Generation Facilities Project	Solar PV	E-10
Beacon	Solar PV	G-12	Lake Ridge Wind	Wind	F-12	Solar Star I (SMUD FIT)	Solar PV	C-6
Belectric (SMUD FIT)	Solar PV	C-7	Lancaster	Solar PV	F-11	Soledad Mountain Wind	Wind	F-11
Black Mountain	Wind	J-14	Leo Solar	Solar PV	D-9	Soledad Wastewater Treatment Plant	Wind	C-9
Black Rock 5, 6	Geothermal	I-14	Lerdo Detention Facility	Solar PV	F-11	Solfocus: Deep Creek Road	Solar PV	G-12
Black Rock 7, 8, 9	Geothermal	I-14	Lightsource Renewables, LLC	Solar PV	G-11	Sonoran West SEGS	Solar Therm	J-13
Blue Diamond Solar Energy	Solar PV	G-12	Littlerock Solar Power Generation Station 1 LLC	Solar PV	G-12	South Brawley	Geothermal	I-14
Blue Sky	Wind	F-12	Lompoc Wind Energy Project	Wind	D-12	South Kern Solar	Solar PV	E-11
Blythe	Solar PV	J-13	Lost Hills	Solar PV	E-10	Southwestern Solar Power I	Solar PV	J-13
Blythe Mesa Solar	Solar PV	J-13	Lower West Wind Energy Project	Wind	F-11	Southwestern Solar Power II	Solar PV	H-13
Borrego Solar Farm	Solar PV	H-14	LSR Kramer South	Solar PV	G-11	Split Mountain Solar Farm	Solar PV	I-14
BP Solar	Solar PV	I-14	Lucerne Solar	Solar PV	H-12	SR Solis Avenal	Solar PV	D-10
BP Solar (Jacumba)	Solar PV	I-14	Lucerne Valley	Solar PV	G-12	SR Solis City of Gustine	Solar PV	D-8
Brannon Solar	Solar PV	D-9	Lucerne Valley	Solar PV	G-12	SR Solis City of Huron	Solar PV	D-10
Brawley	Solar PV	I-14	Lucerne Valley Desert View Ranch, LLC	Solar PV	G-12	SR Solis City of McFarland	Solar PV	E-10
Buena Vista Biomass Power	Biomass	D-7	Lucerne Valley Solar	Solar PV	H-12	SR Solis Crown	Solar PV	F-10
C Solar South	Solar PV	I-14	Lucerne Valley Solar 1	Solar PV	H-12	SR Solis East Reedley	Solar PV	E-9
C Solar West	Solar PV	I-14	Manzana Wind Project	Wind	F-11	SR Solis Firebaugh	Solar PV	D-9
Cashmere Soda Mountain, LLC	Solar PV	H-11	Maria Vista	Solar PV	I-13	SR Solis Oro Loma	Solar PV	D-9
CalEnRenew-1	Solar PV	G-11	Maricopa Sun Solar	Solar PV	G-11	SR Solis Oro Loma Teresina	Solar PV	D-9
Cal S.P. IV, LLC	Solar PV	E-10	McCoy	Solar PV	J-13	SR Solis Rector	Solar PV	E-9
Cal SP V	Solar PV	D-8	McCoy EnKoo	Solar PV	J-13	SR Solis Terra Bella	Solar PV	F-10
Cal SP VII, LLC	Solar PV	H-12	Mcfarland Solar Energy Project	Solar PV	E-10	SR Solis Vestal Fireman	Solar PV	F-10
California Valley Solar Ranch	Solar PV	E-11	McHenry Solar Farm	Solar PV	D-8	SR Solis Vestal Herder	Solar PV	F-10
Calipatria Solar Farm I	Solar PV	I-14	Meadows Field Solar Project	Solar PV	E-11	SR Solis Vestal Almond	Solar PV	F-10
Calipatria Solar Farm II	Solar PV	I-14	Mesquite Lake Cattle Manure Burner	Biomass	I-14	Stateline	Solar PV	I-10
Calixico I	Solar PV	I-14	Midway Solar Farm I	Solar PV	I-14	Stratford Land	Solar PV	E-9
Calixico II	Solar PV	I-14	Midway Solar Farm II	Solar PV	I-14	Strawberry Peak	Solar PV	G-12
CalRenew-1	Solar PV	D-9	Midway Solar Farm III	Solar PV	I-14	Suncal Waterman Junction (Barstow)	Solar PV	G-11
Calwest Energy	Solar PV	F-11	Mojave Solar	Solar PV	F-11	SunGen 1	Solar PV	E-11
Camp Rock	Wind	H-11	Mojave Solar 1	Solar PV	F-11	Sunlight Partners	Solar PV	G-12
Campo Wind	Wind	H-14	Monte Vista	Solar PV	F-11	Sunlight Partners	Solar PV	G-12
Casa Diablo Geothermal IV	Geothermal	I-8	Montezuma Wind II	Wind	C-7	Sunlight Partners	Solar PV	G-12
Cascade Solar	Solar PV	H-12	Morgan Hills	Wind	F-11	Sunlight Partners	Solar PV	G-12
Catalina Renewable Energy	Wind/Solar PV	F-11	Mount Signal Solar Farm	Solar PV	I-14	Sunlight Partners	Solar PV	G-12
Cenergy Power	Solar PV	E-9	Mountain View PV Project	Solar PV	H-13	Sunlight Partners	Solar PV	G-12
Cenergy Power	Solar PV	E-10	Mule Mountain	Solar PV	J-13	Sunpower	Solar PV	D-9
Centinela Solar	Solar PV	I-14	Mule Mountain Bullfrog/Wellhead (Mule Mountain III)	Solar Therm	J-13	Sunpower Henrietta	Solar PV	E-10
Champagne Solar	Solar PV	F-11	Mule Mountain Solell	Solar PV	J-13	Superstition Solar I	Solar PV	I-14
Chaparral Solar	Solar PV	E-11	Mustang	Solar PV	E-10	TA High Desert	Solar PV	F-12
Chocolate Mountains Solar Farm	Solar PV	J-13	Newberry Springs, Soltech Solar Inc.	Solar PV	H-11	Tehachapi Solar I (1 of 10 RE projects same EIR)	Solar PV	F-11
Chuckwalla Solar	Solar PV	J-13	North Edwards Solar	Solar PV	G-11	Tehachapi Solar II	Solar PV	F-11
Clear Vista Ranch Wind	Wind	F-11	North Lancaster Ranch	Solar PV	F-11	Temescal Canyon RV, LLC	Solar PV	G-13
Cleghorn Ridge Wind	Wind	G-12	North Sky River Energy, LLC (NSRE)	Wind	F-11	Theme	Solar PV	F-12
Colorado River	Solar PV	J-13	North Star Solar 1	Solar PV	D-9	Three Rocks Solar	Solar PV	D-9
Columbia I	Solar PV	F-11	Ocotillo Express	Wind	J-14	Thunderhill	Solar PV	B-5
Columbia II	Solar PV	F-11	Ocotillo Sol	Solar PV	J-14	Topaz Solar Farm	Solar PV	E-11
Columbia III	Solar PV	F-11	Ogilby Solar	Solar Therm	H-9	Tranquility	Solar PV	D-9
Coram ZC 60	Wind	F-11	Old River I	Solar PV	E-11	Tres Vaqueros	Wind	C-7
CSU Bakersfield Photovoltaic Project	Solar PV	E-11	Old River II	Solar PV	E-11	Troy Lake Solell	Solar PV	H-11
CSU Stanislaus PV Project	Solar PV	D-8	OPDE Solar Farm	Solar PV	C-6	Truckhaven I	Geothermal	I-14
CUP #2010-015	Solar PV	D-8	Orion Solar	Solar PV	F-11	Tule Wind	Wind	H-14
Cuyama Solar Energy Project Phase 1&2	Solar PV	E-11	Oro Verde Solar (Edwards AFB)	Solar PV	F-11	Twisselman Solar	Solar PV	E-10
Cygnus Solar	Solar PV	F-11	Owen	Solar PV	G-12	UC/CDWR Joint Solar Project	Solar PV	G-12
Dagget	Wind	H-11	Pacific Wind	Wind	F-11	US Solar Borrego One	Solar PV	H-13
Del Oro Solar	Solar PV	G-12	Panoche Valley	Solar PV	D-9	US Topco Energy (CUP 12-02)	Solar PV	F-12
Del Sur Solar	Solar PV	F-12	Patterson Pass Repowering Project	Wind	C-8	Vandiver	Solar PV	I-14
Desert Center I	Solar PV	J-13	Pine Canyon	Wind	F-11	Vasco Wind	Wind	C-7
Desert Hot Springs	Solar PV	H-13	Placer Solar	Solar PV	D-9	Victor Phelan Solar One	Solar PV	G-12
Desert Sunlight	Solar PV	J-13	Porter and Associates	Solar PV	F-11	Victor Solar I El Mirage*	Solar PV	G-12
Desert Vista	Solar PV	F-12	Power Partners Southwest	Solar PV	F-11	Vie Del Solar Project	Solar PV	E-9
Digorio	Solar PV	H-13	Pristine Sun, LLC/Kara Haugen	Solar PV	E-9	Walker Ridge	Wind	B-6
Diveland Solar Farm	Solar PV	I-14	Quartzite	Solar PV	J-13	Ward Valley	Solar Therm	J-12
OTE Energy I	Solar PV	E-10	Quinto/Los Banos	Solar PV	D-8	Wasco-Charco	Solar PV	E-10
OTE Energy II	Solar PV	E-10	Rabbit Dry Lake Solar	Solar Therm	G-12	Weldon Solar Project	Solar PV	F-10
Eagle Mountain	Solar PV	I-13	Rabbit Springs Solar Array	Solar PV	H-12	West Chocolate Geothermal 3	Geothermal	J-13
East Brawley	Geothermal	I-14	RE Adams East	Solar PV	D-9	West Fry Wind, LLC	Wind	H-12
East Brawley - Ormat	Geothermal	I-14	RE Bruceville (SMUD FIT)	Solar PV	C-7	Western Antelope	Solar PV	F-11
East Lancaster Ranch	Solar PV	G-12	RE Dillard (SMUD FIT)	Solar PV	C-7	Westlands Solar Farm	Solar PV	D-10
El Dorado Irrigation District	Small Hydro	D-6	RE Kammerer (SMUD FIT)	Solar PV	C-7	White River	Solar PV	F-10
El Mirage	Solar PV	H-12	RE Kansas	Solar PV	E-10	White River West	Solar PV	E-10
Element Power I	Solar PV	E-10	RE Lincoln	Solar PV	C-6	Whitewater Hill	Wind	H-13
Elk Hills Solar	Solar PV	E-11	RE McKenzie (SMUD FIT)	Solar PV	C-7	Whitney Point Solar	Solar PV	D-9
Energy Source Solar I	Solar PV	I-14	Reuschel	Solar PV	G-12	Wildflower Green Energy Farm	Wind/Solar PV	F-12
Energy Source Solar II	Solar PV	I-14	Ridge Rider Solar Park	Solar PV	G-11	Willow Springs Solar Array	Solar PV	F-11
Fink Road Solar Farm	Solar PV	C-8	Rigel	Solar PV	F-11	Wind Power Partners 1993 (California)	Wind	H-13
Fink Road Solar Farm (Watts)	Solar PV	G-12	Rio Grande	Wind	H-11	Windstar I	Wind	F-11
Five Points Solar Park	Solar PV	D-9	Rio Vista Water Treatment Plant	Solar PV	F-12	Windswept	Wind	F-11
Fowler Packing/Jeff Gatzka	Solar PV	E-9	Rising Tree	Wind	F-11	Winter - Ormat	Geothermal	J-13
Fremont Valley Preservation Water Bank & Solar Project	Solar PV	F-11	Riverbluff	Solar PV	H-11	Wonder Valley	Solar PV	J-12
GA Solar	Solar PV	D-9	Rosamond I	Solar PV	F-11			
Garnet Solar Power Generation Station, 1	Solar PV	H-13	Rosamond II	Solar PV	F-11			
Gateway Solar Project	Solar PV	F-11	Rosamond Solar Array	Solar PV	F-11			
Gestamp Aoetyn Solar	Solar PV	D-9	Rosamond Solar Project	Solar PV	F-11			
Gestamp Solar	Solar PV	D-9	Rose Solar	Solar PV	D-9			

T:\Projects\CEC\DRECP\2012 Projects\Excel Grid Table on map! 8_2_12 FILENAME:8_2_12.xls

Path: T:\Projects\CEC\DRECP\2012 Projects\2012_RenewableProjects Statewide 8_2_2012.mxd Date: 8/3/2012 Time: 9:46:57 AM

CEC Approved and Current Projects	Technology	Grid
Abengoa Mojave Solar Project	Solar Thermal	G-11
Beacon Solar Energy Project	Solar Thermal Trough	G-11
Black Rock Geothermal	Geothermal	I-14
Blythe Solar	Solar Thermal Trough	J-13
Calico Solar Project	Solar PV/Thermal	H-11
Genesis Solar Energy Project	Solar Thermal Trough	J-13
Hidden Hills	Solar Thermal	I-10
Imperial Valley Solar Project	Solar PV	I-14
Ivanpah Solar Electric Generating System	Solar Thermal Tower	I-10
Palen Solar Power Project	Solar Thermal	I-13
Palmdale Hybrid Power Project Unit 1	Solar Thermal Hybrid	F-12
Rice Solar Energy Project	Solar Thermal	J-12
Rio Mesa Solar Electric Generating Facility	Solar Thermal	J-13

Wind Testing Sites

Wind Test Sites - PROJECT NAME	NUMBER ON MAP	GRID
Wind Power Partners, LLC	1	C-2
Third Planet Windpower- Buck/Little Hat Mtn.	2	D-3
Padoma Wind Power, LLC/Enel - Arrowhead	3	D-3
Padoma Wind Power- Cold Springs	4	D-3
BP Wind Energy - Spanish Springs Peak	5	D-4
Invenergy - Shaffer Mountain	6	D-4
Mesa	7	E-5
Ridgeline Power Type II	8	A-6
Ewind	9	F-7
Little Lake South Renewables, LLC - Little Lake N.	10	G-10
Sierra Renewables- Pearsonville	11	G-10
Searless Hill	12	G-10
Competitive Power Ventures, LLC - Saltdale	13	G-11
Element Power	14	I-10
Sierra	15	F-11
Renewergy, LLC - El Paso Peaks	16	G-11
Wind Energy Inc. - El Paso Mountain	17	G-11
PPM Energy	18	I-11
Pacific Wind - Silurian Valley	19	H-11
Jawbone Canyon Power Partners, LLC	20	F-11
Rand Mountain Type II	21	G-11
Boulevard Associates - North Sky River	22	F-11
AES Wind Generation, Inc.	23	F-11
Rising Tree Wind Farm, LLC	24	F-11
Homer Renewables, LLC - Homer Mtn.	25	J-11
Power Partners SW - Avalon One	26	F-11
Alta Gas - Ghost Town	27	H-11
enXco - Troy Lake	28	H-11
Alta Gas - Mojave Valley	29	H-11
Verde Resources	30	H-11
AES Wind Generation - Sand Ridge	31	H-11
Padoma Wind Power - Sacramento Mountains	32	J-11
Horizon Wind - Stoddard/Daggett	33	H-11
AES Wind Generation - Daggett Ridge	34	H-12
Oak Creek Energy - Ludlow South	35	H-12
Granite Wind LLC - Granite Mountains	36	H-12
West Fry Wind LLC - West Fry Mtns.	37	H-12
Gorman Wind Energy, LLC - Acton III	38	F-12
Airtricity / E On - North Peak	39	G-12
Black Lava Butte Renewables - Black Lava Butte	40	H-12
L.H. Renewables - Eagle Mountain	41	I-13
Black Hills Wind Energy, LLC - Black Hills	42	J-13
Oro Valley Power, LLC - Black Mountain	43	J-14
John S. Peterson, PhD. - Chaparral	44	H-14
John S. Peterson, PhD. - Sawtooth	45	H-14
Ocotillo Renewables, LLC - Ocotillo Renewables	46	I-13
Pacific Wind - Tule Wind Project	47	H-14
Ocotillo Express, LLC - Ocotillo Wind Testing	48	I-14
Ocotillo Express, LLC - Ocotillo Express Test	49	I-14
Aero Power, LLC - Campo	50	H-14

T:\Projects\CEC\DRECP\2011 Projects\Shape\Excel\wind test sites 11_7_2011\Filename:Wind Map_Grid.xlsx

DISCLAIMER: The California Energy Commission makes no warranties, whether expressed or implied, as to the suitability or accuracy of the product for any particular purpose. Any use of this information is at the user's own risk.