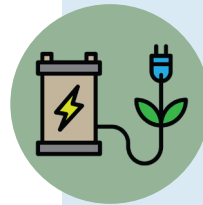


The EPA’s Superfund Redevelopment Program helps communities return formerly contaminated lands to productive use. Many Superfund sites are well suited to support alternative energy production, including solar, wind, landfill-gas-to-energy, geothermal, hydropower, and biomass projects. About a quarter of projects can offset some or all on-site energy demands for cleanup efforts. In other areas, energy produced on Superfund sites advances cleaner and more cost-effective energy technologies. About 70% of alternative energy installations are happening at sites in communities with potential environmental justice concerns.

### Alternative Energy at Superfund Sites

Number of Superfund Sites:	110
Number of Installations:	161
Installed Capacity (megawatts):	1,988
Energy Production (megawatt hours):	3,430,245



### 282,232 HOMES

Installed capacity at Superfund sites is enough to power more than 282,232 homes for one year. Two-thirds of installations have an installed capacity of 1 MW or more.<sup>1,2</sup>



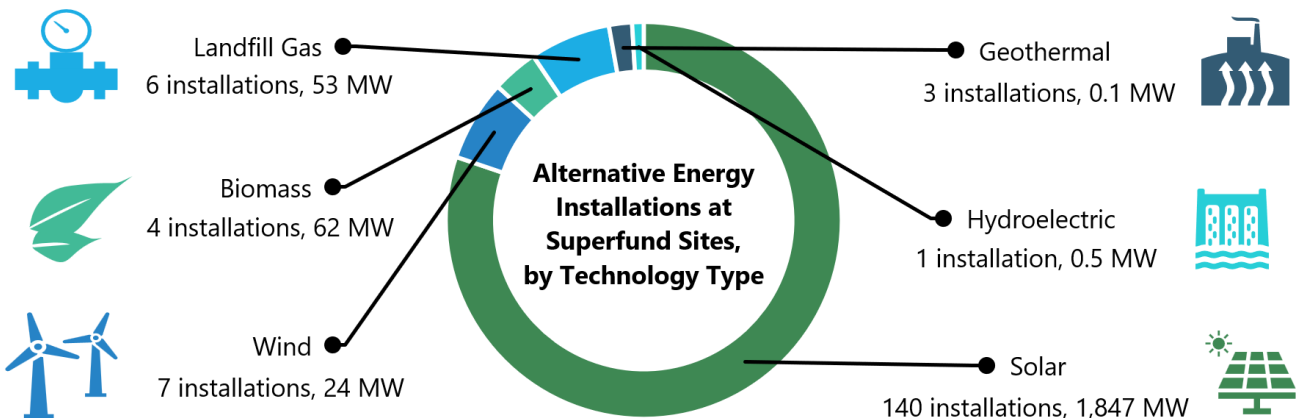
Image used with permission of Terra-Gen

The largest alternative energy facility at a Superfund site in the country is the Edwards Sanborn Solar Storage Project at Edwards Air Force Base in California (EPA Region 9). Almost 2 million solar panels combined with a battery energy storage system can generate 1,300 megawatts for the California grid – enough electricity to power the equivalent of about 164,000 homes annually. This project has the greatest number of solar panels and the highest capacity and annual power production of any alternative energy facility at a Superfund site. The facility is located on over 4,600 acres on both private land and land leased from Edwards Air Force Base.<sup>3</sup>

In collaboration with [the EPA’s RE-Powering America’s Land Initiative](#), the EPA’s Superfund Redevelopment Program is [supporting reuse planning](#) for alternative energy projects at Superfund sites with renewable energy assessments at eight sites. These assessments characterize alternative energy sources, stakeholder priorities, financial impacts and site suitability. In 2023, the EPA’s Region 2 Puerto Rico Office worked with the National Renewable Energy Lab on several solar feasibility studies for sites where local governments are interested in solar and community reuse options. In 2024, SRP collaborated with the EPA Region 2 to provide streamlined reuse assessments for four Superfund sites, including the Barceloneta Landfill, the Juncos Landfill, the Maunabo and Vega Baja Solid Waste Disposal sites. SRP supported the EPA with dual-language summary reports, along with Spanish language facilitation for a site visit and meetings with local officials. The reuse assessments include detailed site information, community context, reuse opportunities and renewable energy considerations. In June 2024, SRP’s Spanish-speaking planning team facilitated a multi-day site visit and held meetings with local government partners to discuss potential renewable energy and reuse opportunities for the four sites. In coordination with the site team, SRP finalized the reuse assessments and will work with EPA Region 2 and Headquarters to assess next steps for solar development at these sites.

### RE-Powering America’s Land Renewable Energy Planning Resources:

- [How to Develop Sites for Renewable Energy](#)
- [How to Contact the RE-Powering America’s Land Initiative Coordinators](#)



Site	EPA ID	Technology Type
*AEROJET GENERAL CORP.	CAD980358832	Solar
*AMERICAN CYANAMID	NJD002173276	Solar
ANNISTON ARMY DEPOT (SOUTHEAST INDUSTRIAL AREA)	AL3210020027	Solar
*APACHE POWDER CO.	AZD008399263	Solar
*ARMOUR ROAD	MOD046750253	Solar
*ARSENIC TRIOXIDE SITE	NDD980716963	Geothermal
BARKHAMSTED-NEW HARTFORD LANDFILL	CTD980732333	Solar
*BELTSVILLE AGRICULTURAL RESEARCH CENTER (USDA)	MD0120508940	Solar
*BRICK TOWNSHIP LANDFILL	NJD980505176	Solar
*BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY7890008975	Solar
*BRUNSWICK NAVAL AIR STATION	ME8170022018	Solar
*BRUNSWICK NAVAL AIR STATION	ME8170022018	Biomass
*CAMP LEJEUNE MILITARY RES. (USNAVY)	NC6170022580	Solar
*CAMP PENDLETON MARINE CORPS BASE	CA2170023533	Solar
CENTRAL LANDFILL	RID980520183	Landfill gas
CHARLES GEORGE RECLAMATION TRUST LANDFILL	MAD003809266	Solar
*CHEVRON QUESTA MINE	NMD002899094	Solar
CIBA-GEIGY CORP.	NJD001502517	Solar
*CINNAMINSON TOWNSHIP (BLOCK 702) GROUND WATER CONTAMINATION	NJD980785638	Solar
COMBE FILL NORTH LANDFILL	NJD980530596	Solar
*CONTINENTAL STEEL CORP.	IND001213503	Solar
*CONTINENTAL STEEL CORP.	IND001213503	Wind
*DAVISVILLE NAVAL CONSTRUCTION BATTALION CENTER	RI6170022036	Solar
*DELILAH ROAD	NJD980529002	Solar
*DEPUE/NEW JERSEY ZINC/MOBIL CHEMICAL CORP.	ILD062340641	Solar
*DOVER AIR FORCE BASE	DE8570024010	Solar
*E.I. DU PONT DE NEMOURS & CO., INC. (NEWPORT PIGMENT PLANT LANDFILL)	DED980555122	Solar
*EDWARDS AIR FORCE BASE	CA1570024504	Solar
*ELIZABETH MINE	VTD988366621	Solar
*ELLSWORTH AIR FORCE BASE	SD2571924644	Solar
*F.E. WARREN AIR FORCE BASE	WY5571924179	Wind
*FEED MATERIALS PRODUCTION CENTER (USDOE)	OH6890008976	Geothermal
*FEED MATERIALS PRODUCTION CENTER (USDOE)	OH6890008976	Solar
*FORT DETRICK AREA B GROUND WATER	MDD985397249	Solar
*FORT DEVENS-SUDBURY TRAINING ANNEX	MAD980520670	Solar
*FORT DIX (LANDFILL SITE)	NJ2210020275	Solar
*FORT GEORGE G. MEADE	MD9210020567	Solar
*FORT ORD	CA7210020676	Solar
*FRONTIER FERTILIZER	CAD071530380	Solar
GALLUP'S QUARRY	CTD108960972	Biomass

Site	EPA ID	Technology Type
*GE - HOUSATONIC RIVER	MAD002084093	Solar
GEMS LANDFILL	NJD980529192	Solar
*GLOBAL SANITARY LANDFILL	NJD063160667	Solar
GROVELAND WELLS	MAD980732317	Solar
HAVERHILL MUNICIPAL LANDFILL	MAD980523336	Solar
*INDUSTRI-PLEX	MAD076580950	Solar
*IRON HORSE PARK	MAD051787323	Solar
ISLIP MUNICIPAL SANITARY LANDFILL	NYD980506901	Solar
JACKSON TOWNSHIP LANDFILL	NJD980505283	Solar
*JET PROPULSION LABORATORY (NASA)	CA9800013030	Solar
KIN-BUC LANDFILL	NJD049860836	Solar
*LANDFILL & DEVELOPMENT CO.	NJD048044325	Solar
LAWRENCE AVIATION INDUSTRIES, INC.	NYD002041531	Geothermal
LAWRENCE LIVERMORE NATL LAB, (MAIN SITE) (USDOE)	CA2890012584	Solar
*LEVIATHAN MINE	CAD980673685	Solar
*LOWRY LANDFILL	COD980499248	Landfill gas
*MARINE CORPS COMBAT DEVELOPMENT COMMAND (MCCDC or MCBQ)	VA1170024722	Solar
*MARTIN-MARIETTA, SODYECO, INC.	NCD001810365	Biomass
*MCGUIRE AIR FORCE BASE	NJ0570024018	Solar
*MOUND PLANT (USDOE)	OH6890008984	Solar
*NATIONAL SEMICONDUCTOR CORP.	CAD041472986	Solar
NAVAL WEAPONS STATION EARLE (SITE A)	NJ0170022172	Solar
NEBRASKA ORDNANCE PLANT (FORMER)	NE6211890011	Solar
*NEWMARK GROUND WATER CONTAMINATION	CAD981434517	Solar
*NEWPORT NAVAL EDUCATION & TRAINING CENTER	RI6170085470	Solar
*NORTHWEST PIPE & CASING/HALL PROCESS COMPANY	ORD980988307	Solar
*NORTON AIR FORCE BASE (LNDFL #2)	CA4570024345	Solar
*NYANZA CHEMICAL WASTE DUMP	MAD990685422	Solar
*OAK RIDGE RESERVATION (USDOE)	TN1890090003	Solar
OMEGA HILLS NORTH LANDFILL	WID000808568	Landfill gas
*ORONOGO-DUENWEG MINING BELT	MOD980686281	Solar
*OTIS AIR NATIONAL GUARD BASE/CAMP EDWARDS	MA2570024487	Wind
*PACIFIC COAST PIPELINE	CAD980636781	Solar
*PALMERTON ZINC PILE	PAD002395887	Solar
PANTEX PLANT (USDOE)	TX4890110527	Wind
*PARRIS ISLAND MARINE CORPS RECRUIT DEPOT	SC6170022762	Solar
PARSONS PAPER MILL	MAD001114362	Solar
*PEARL HARBOR NAVAL COMPLEX	HI4170090076	Solar
*PEMACO MAYWOOD	CAD980737092	Solar
PETERSON/PURITAN, INC.	RID055176283	Solar

Site	EPA ID	Technology Type
PICATINNY ARSENAL (USARMY)	NJ3210020704	Solar
PICILLO FARM	RID980579056	Wind
*PINE BEND SANITARY LANDFILL	MND000245795	Landfill gas
*POWNAI TANNERY	VTD069910354	Hydro
*PRICE LANDFILL	NJD070281175	Solar
REFUSE HIDEAWAY LANDFILL	WID980610604	Solar
*REILLY TAR & CHEMICAL CORP. (INDIANAPOLIS PLANT)	IND000807107	Solar
RE-SOLVE, INC.	MAD980520621	Solar
ROSE HILL REGIONAL LANDFILL	RID980521025	Solar
*SACRAMENTO ARMY DEPOT	CA0210020780	Solar
*SAVANNAH RIVER SITE (USDOE)	SC1890008989	Biomass
SCIENTIFIC CHEMICAL PROCESSING	NJD070565403	Solar
*SHARON STEEL CORP. (MIDVALE TAILINGS)	UTD980951388	Solar
SOLA OPTICAL USA, INC.	CAD981171523	Solar
*SOLVENTS RECOVERY SERVICE OF NEW ENGLAND	CTD009717604	Solar
*SOUTH BRUNSWICK LANDFILL	NJD980530679	Solar
*SOUTHSIDE SANITARY LANDFILL	IND980607360	Landfill gas
STROTHER FIELD INDUSTRIAL PARK	KSD980862726	Solar
*SULLIVAN'S LEDGE	MAD980731343	Solar
SUTTON BROOK DISPOSAL AREA	MAD980520696	Solar
*TRAVIS AIR FORCE BASE	CA5570024575	Solar
*TUCSON INTERNATIONAL AIRPORT AREA	AZD980737530	Solar
UNITED CHROME PRODUCTS, INC	ORD009043001	Solar
*USARMY/NASA REDSTONE ARSENAL	AL7210020742	Solar
*USN AIR STATION CECIL FIELD	FL5170022474	Solar
*VENTRON/VELSICOL	NJD980529879	Solar
*W.R. GRACE & CO., INC. (ACTON PLANT)	MAD001002252	Solar
WASHINGTON COUNTY LANDFILL	MND980704738	Solar
*WELLS G&H	MAD980732168	Solar
*WELSBACH & GENERAL GAS MANTLE (CAMDEN RADIATION)	NJD986620995	Solar
WEST KINGSTON TOWN DUMP/URI DISPOSAL AREA	RID981063993	Solar
*WILLIAMS AIR FORCE BASE	AZ7570028582	Solar
YORK COUNTY SOLID WASTE AND REFUSE AUTHORITY LANDFILL	PAD980830715	Solar

**Notes:**

\* Denotes sites located in communities with potential environmental justice concerns, as identified by the EPA.

NASA = National Aeronautics and Space Administration

USDOE = U.S. Department of Energy

- 1 These figures are estimates, based on publicly available developer information, communication with the EPA staff and the National Renewable Energy Laboratory's PVWatts calculator ([pvwatts.nrel.gov/pvwatts.php](http://pvwatts.nrel.gov/pvwatts.php)).
- 2 Based on average annual electricity consumption of 12,154 kilowatt hours per household per year, from [www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references](http://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references).
- 3 Edwards Sanborn Solar Storage Project figures provided by the Department of the Air Force and Terra-Gen.