

APPENDIX: DON RENEWABLE ENERGY PROJECTS (≥1MW)

The projects listed below include existing projects that produce power today (“completed”), projects to which DON is financially committed (“awarded”), and other projects being considered but not yet funded, formalized, or initiated (“planned”). The total for group 3 is hypothetical. These levels could be realized only if every project listed were developed at its expected capacity. In reality, many of the projects in group 3 will never reach construction and those that do may not attain full theoretical capacity. Furthermore, group 3 is very much a living document, subject to frequent and significant change.

Site	Type	Size (MW)
1. COMPLETED PROJECTS		
Joint Base Pearl Harbor-Hickam, HI	PV	2.3
NAVSTA Norfolk, VA	PV	2.2
NAS Jacksonville, FL	PV	1.3
NAS Corpus Christi, TX	PV	1.2
NAVBASE Coronado, CA	PV	2.7
NAVBASE Ventura Cty, CA	PV	1.4
NAWS China Lake, CA	PV	1.6
SPAWAR San Diego, CA	PV	1.2
MCB Camp Lejeune, NC	PV	2.6
MCRD San Diego, CA	PV	1.7
MCB Camp Pendleton, CA	PV	10
MCAGCC Twentynine Palms, CA	PV	4.6
NSA Souda Bay, Crete	PV	2.0
NAVSTA Guantanamo Bay	PV	1.0
MCLB Barstow, CA	Wind	1.0
NAWS China Lake, CA	Geothermal	170*
Naval Shipyard Norfolk, VA	WTE	40
MCLB Albany, GA	WTE	1.9
MCAS Miramar, CA	WTE	3.2**
Other projects (≤1MW):		15.6
Total MW producing:		271

* The Coso Geothermal Plant at China Lake produced 270MW at its peak but the heat source has diminished and now loses capacity at a rate of ~2% per year.

** MCAS Miramar Landfill was the first project completed after the 1GW TF was chartered and therefore counts toward the 1GW goal (at a x3.3 factor due to 24x7 production), as will the projects listed below if and when they come to fruition.

Site	Type	Size (MW)
2. AWARDED PROJECTS		
AUTEC Bahamas	Wind	1
NAVBASE Coronado, CA	PV	1.3
NAWPNSTA Seal Beach, CA	PV	1.9
NAWS China Lake	PV	13.8
MCB Camp Lejeune, NC	PV	8.2
MCB Camp Pendleton, CA	PV	8.1
MCLB Barstow, CA	PV	1.2
MCAS Yuma, AZ	PV	1.5
MCAGCC Twentynine Palms, CA	PV	1.2
Other projects (≤1MW):		10.2
Total MW awarded:		48
3. PLANNED PROJECTS		
NAVSTA Rota, Spain	PV	3.6
NAVSTA Rota, Spain (2nd)	PV	2
Hawaii Solar MAC	PV	28+
MCB Hawaii, Kaneohe Bay, HI	Biodiesel	30
JBPHH (Peaker)	Biodiesel	50
JBPHH - West Loch Luaualei EUL	PV	5
JBPHH - Waipio EUL	PV	5
Joint Base Pearl Harbor-Hickam, HI	PV	2.5
PMRF Barking Sands, Kauai, HI	WTE	1.4
NAVSTA Newport, RI	Wind	9
NAVSTA Guantánamo Bay	WTE, PV	10
NAVBASE Ventura Cty, CA	Wind	1.2
NAVBASE San Diego, CA	WTE	20
MCRD San Diego	PV	1.9
NAF El Centro, CA	PV	1
NAF El Centro, CA (exploration)	Geothermal	10-30
NAS Lemoore EJV	PV	60-200
NAWS China Lake (Section 16)	PV	70-100
NAS Fallon, NV (exploration)	Geothermal	10-50
NAS Corpus Christi, TX	PV	1.1
MCLB Albany GA (2nd)	WTE	1.9
MCB Hawaii, Kaneohe Bay, HI	PV	3.3
MCB Camp Lejeune	Bio or PV	25
MCFR New Orleans, LA	PV	2
MCB Camp Pendleton, CA	PV	20-40
MCAS Yuma (Goldwater Range) EUL	PV	100-250
CMAGR Chocolate Mtns, CA	Geothermal	10-30
MCAGCC Twentynine Palms, CA	PV	5-50
MCAS Miramar Landfill (add'l)	WTE	1.5-3
Total MW planned:		485-950
Factored for 24x7 projects' capacity:		820-1500
Factored total for awarded and planned projects:		850-1560MW