

**FY2016 Energy Conservation Investment Program  
Project List**

<u>Project No.</u>	<u>Location</u>	<u>State</u>	<u>Project Description</u>	<u>Project Cost (\$000)</u>	<u>SIR*</u>	<u>Payback</u>
<b>Army</b>						
82028	Fort Hunter Liggett	CA	5MW PVs with 3MWhr Battery Storage	\$ 22,000	1.5	11.7
81844	Joint Base Lewis-McChord	WA	Decentralize Heating Plants, Division Area	\$ 14,770	2.9	6.1
80880	Hohenfels Training Area	Germany	Modernize Existing HVAC and Connect to UMCS	\$ 2,800	2.5	7.3
87110	Fort Belvoir	VA	Energy Management Control System, 300 Area	\$ 2,400	2.0	4.5
85960	Fort Stewart	GA	Install VFD Drives in HVAC Systems	\$ 1,600	1.6	7.0
85918	Tooele Army Depot	UT	Standby Generator System	\$ 1,400	2.0	7.1
86357	Soto Cano Air Base	Honduras	PV, Heat Pump & LED Exterior Light Fixtures	\$ 800	2.1	6.2
<b>Army Program Totals</b>				<b>7 Projects</b>	<b>\$ 45,770</b>	<b>2.1 8.9</b>
<b>USN</b>						
P718	Joint Base Pearl Harbor-Hickam	HI	Smart Grid ICS	\$ 13,780	2.1	9.8
P021	CFA Yokoska	Japan	Replace & Resize G-31 to J-209 Steam Pipeline	\$ 12,940	3.3	4.2
P090	NSA Washington/NRL	DC	Construct Co-Generation Plant at NRL	\$ 10,990	3.0	6.3
P644	Naval Base Guam	Guam	Smart Grid ICS	\$ 5,330	2.0	10.1
P341	NSY BOS Portsmouth	NH	Steam Decentralization	\$ 2,190	1.9	6.4
<b>Navy Program Totals</b>				<b>5 Projects</b>	<b>\$ 45,230</b>	<b>2.6 7.2</b>
<b>USMC</b>						
P-1692	MCB Camp Pendleton	CA	Microgrid Expansion	\$ 1,695	1.6	14.9
P-1254	MCAS Beaufort	SC	Construct Multiple Shelters with PV at Facility 1254, MVP	\$ 5,740	1.2	13.8
<b>USMC Program Totals</b>				<b>2 Projects</b>	<b>\$ 7,435</b>	<b>1.3 14.0</b>
<b>USAF</b>						
QYZH148015	Mountain Home AFB	ID	Energy Conservation Dorm Upgrade Multi. Systems	\$ 6,471	2.1	8.4
YXTK143000	Ascension Aux Airfield St Helena	Bahamas	Install 4-Wind Turbines 250KW	\$ 5,500	1.8	8.9
YGFZ150001	Wake Island	American Samoa	Construct Solar Array Renewable Energy System	\$ 5,331	1.9	7.7
FSPM111403B	Edwards AFB	CA	Retrofit Lights Phase 2 Multi Bldgs	\$ 4,550	2.2	5.4
GLEN162703	Schriever AFB	CO	Install Chiller Sequencing DDC Panel B600	\$ 4,400	2.1	7.0
NZAS143000	Malmstrom AFB	MT	Replace Energy and Control System	\$ 4,260	2.0	4.0
QYZH148020	Mountain Home AFB	ID	Repair Envelopes & Lighting at Multi Facilities	\$ 2,651	2.1	9.0
FXSB151759	JB Elmendorf-Richardson	AK	Repair HVAC Systems Multi Fac Phase 9	\$ 2,542	2.0	9.0
QYZH148013	Mountain Home AFB	ID	Retrofit Exterior Wall Pack Lights Multi. Fac.	\$ 2,100	2.5	5.0
FXSB151758	JB Elmendorf-Richardson	AK	Repair HVAC Systems Multi Fac Phase 8	\$ 2,010	2.1	8.6
QYZH158008	Mountain Home AFB	ID	Energy Conservation Upgrade I/R Heater Motors	\$ 1,162	2.0	10.0
QYZH158001	Mountain Home AFB	ID	High Efficiency Toilet & Urinals	\$ 1,085	1.5	13.0
FSPM141403	Edwards AFB	CA	Repair Boiler & Micro-Turbine Gen Oasis Pool B2501	\$ 800	1.9	7.5
VLSB140076	Shaw AFB	SC	Install VFDs, Multiple Facilities	\$ 655	1.7	5.3
FXSB15ENER01	JB Elmendorf-Richardson	AK	Add Heat Exchanger & Modify Air Supply, Fuel Cell Hangar	\$ 472	2.2	9.1
<b>USAF Program Totals</b>				<b>15 Projects</b>	<b>\$ 43,990</b>	<b>2.0 7.5</b>
<b>DLA</b>						
ENE-16E01	Tampa	FL	480 kWp Ground-Mount Solar Panels at DFSP	\$ 1,401	2.0	13.0
<b>DLA Program Totals</b>				<b>1 Projects</b>	<b>\$ 1,401</b>	<b>2.0 13.0</b>
<b>NRO</b>						
NRO-4680117309	ADF-East	VA	LED Streetlight Retrofit Project	\$ 580	2.7	5.4
<b>NRO Program Totals</b>				<b>1 Projects</b>	<b>\$ 580</b>	<b>2.7 5.4</b>
<b>DHA</b>						
DHA001	Schofield Barracks MC	HI	LED Lighting & Controls in 7 Clinics	\$ 1,066	2.6	6.4
<b>DHA Program Totals</b>				<b>1 Projects</b>	<b>\$ 1,066</b>	<b>2.6 6.4</b>
<b>WHS</b>						
ECIP16-PEN2	Pentagon/Arlington	VA	High Efficiency Trim Chiller	\$ 4,528	1.9	8.2
<b>WHS Program Totals</b>				<b>1 Projects</b>	<b>\$ 4,528</b>	<b>1.9 8.2</b>
<b>ECIP Program Totals</b>				<b>33 Projects</b>	<b>\$ 150,000</b>	<b>2.2 8.2</b>
<b>*SIR is Savings to Investment Ratio (\$ est. discounted lifetime savings / \$ invested)</b>						
<b>Energy Efficiency Subtotal (26 Projects)</b>				<b>\$ 107,248</b>	<b>2.4</b>	<b>7.0</b>
<b>Renewable Energy Subtotal (6 Projects)</b>				<b>\$ 41,667</b>	<b>1.6</b>	<b>11.3</b>
<b>Water Conservation Subtotal (1 Projects)</b>				<b>\$ 1,085</b>	<b>1.5</b>	<b>13.0</b>

**FY2016 Energy Conservation Investment Program, Congressional Notification  
 Variations from FY2016 NDAA\***

<b>Component</b>	<b>Project No.</b>	<b>Location</b>	<b>State/Country</b>	<b>Total Project Cost (\$000)</b>	<b>Variance</b>	<b>Reason for Variance</b>
Marine Corps	P-555	MCRC Kaneohe Bay	HI	\$ 5,740	Canceled	Project economics became less favorable during design
Marine Corps	P-1254	MCAS Beaufort	SC	\$ 5,740	Added	Replacement for canceled project P555

\* List includes projects greater than \$3M since FY2016 NDAA line-item authorized only projects greater than \$3M

**FY2016 Energy Conservation Investment Program, Congressional Notification  
Changes to Prior Year ECIP Appropriations**

<b>Component</b>	<b>Project No.</b>	<b>Location</b>	<b>State</b>	<b>Project Description</b>	<b>Year of Appropriation</b>	<b>Original Programmed Amount (\$000)</b>	<b>Revised Programmed Amount (\$000)</b>	<b>Disposition</b>
Air Force	GLEN111410	Schriever AFB	CO	Repair by Install Chiller Sequencing DDC Panel B600	2012	\$4,990	\$0	Cancelled
Air Force	DXEB113001	Clear AFB	AK	Const Electrical Grid tie-in & Heat Plant	2013	\$15,121	\$23,500	Increased
Air Force	TYMX823079	Randolph AFB	TX	Construct Chiller Plant Thermal Storage Tank	2014	\$1,200	\$0	Cancelled
Air Force	SGBP150052	Offutt	NE	Geothermal B-160, 499, 565, 803,809	2015	\$2,869	\$0	Cancelled
Air Force	NKAK151027	Little Rock	AR	Construct Thermal Energy Storage	2015	\$1,101	\$2,080	Increased
Army	PN 79681	West Point	NY	Steam to Gas Conversion	2014	\$5,800	\$7,236	Increased
Army	81957	Fort Carson	CO	Install high Efficiency Radiant Heaters	2015	\$3,000	\$4,200	Increased
Army	PN 82220	FT Bliss	TX	Install Energy Conservation Measures (NZ EEAP)	2015	\$1,700	\$1,700	Scope
Navy	P-434	Fallon	NV	Energy Management Control System in BQ	2013	\$1,980	\$2,953	Increased
Navy	P-090	JBPHH	HI	Install Photovoltaic System and Cool Roof, Bldg 284	2013	\$700	\$0	Cancelled
Navy	P-089	JBPHH	HI	Construct Low Pressure Air Satellite Compressor Plant	2013	\$8,290	\$9,870	Increased
Navy	P-073	Camp Smith	HI	Smart Power Infrastructure Demonstration for Energy, Reliability,	2014	\$7,966	\$9,325	Increased
Navy	P-403	Camp Lemonnier	Djibouti	Energy Efficient Light Fixtures	2015	\$1,046	\$1,497	Increased
Navy	P-340	Portsmouth Naval	NH	P340 Steam Decentralization Phase I	2015	\$2,740	\$4,026	Increased
Navy	P-401	Camp Lemonnier	Djibouti	Composting System	2015	\$1,660	\$0	Cancelled