

**FY2012 Energy Conservation Investment Program, Congressional Notification
FY2012 ECIP Project List**

Project No.	Location	State	Project Description	Project Cost (\$000)	SIR*	
<u>Army</u>						
78173	Fort Bragg	NC	Historic District GSHP & Retro Cx	\$14,027	1.08	
78823	Tooele Army Depot	UT	Install Stirling Solar Array	\$8,700	1.47	
78658	Kwajalein Atoll	Marshall Is.	468KW Solor PV System	\$6,400	1.88	
78807	Presidio of Monterey	CA	1 MW Solar Grid	\$5,100	1.01	
78854	Fort Drum	NY	Retrocommision Various Buildings	\$3,050	2.40	
74191	Fort Knox	KY	GSHP Well Field for HRC	\$2,900	1.78	
77069	Fort Bragg	NC	Transpired Solar Collectors for Various Bldgs	\$1,550	2.68	
75934	Letterkenny AD	PA	Install Solar Walls Heating System	\$1,150	1.88	
78784	Fort Carson	CO	Various Energy Upgrades (EEAP)	\$1,100	3.36	
78345	Sacramento	CA	Solar Electric System	\$1,500	1.52	
78346	Wailuku	HI	Solar Electric System	\$1,100	1.46	
78690	Fort Carson	CO	Microgrid Expansion PEV tie-in (SPIDERS)	\$3,100	0.00	
78850	Fort Hood	TX	Install energy efficient ECM motors	\$1,850	1.42	
Army Program Totals				13 Projects	\$51,527	1.4
<u>Navy</u>						
P-1102	NAS Naples	Italy	345 KW Solar PV	\$2,867	1.12	
P-602	NS GTMO	Cuba	LED Solar Lighting	\$1,901	1.01	
P-647	NAS Kings Bay	GA	Solar Heating Aerators	\$666	1.52	
P-605	NS GTMO	Cuba	Solar LED Exterior Lights	\$12,490	1.52	
P371	NAS Lemoore	CA	Hangar 4 Daylighting and PV System	\$910	1.08	
P0883	NB San Diego	CA	54.0 KW Solar PV and Lighting Upgrades	\$1,010	1.62	
P370	NAS Lemoore	CA	Base-Wide VFD Retrofit	\$970	1.61	
P837	NSA Monterey	CA	Solar Thermal Water	\$1,940	1.12	
Navy Program Totals				8 Projects	\$22,754	1.4
<u>Marine Corps</u>						
P1422	MCB Camp Lejeune	NC	Steam Decentralization of Camp Geiger	\$6,925	1.20	
P961	MCLB Albany	GA	LFG Generator	\$3,504	3.35	
Marine Corps Program Totals				2 Projects	\$10,429	1.9
<u>Air Force</u>						
GHLN091010B	FE Warren	WY	Decentralize Base Heat Plant	\$15,900	1.61	
DBHQ103000	Cape Cod	MA	Two Wind Turbines	\$11,500	1.58	
AGGN101084	Altus	OK	Install VCEP For 22 Bldgs	\$5,700	1.67	
MXRD093005	Hanscom	MA	Repair Chiller Controls B1201	\$3,900	2.38	
GLEN111410	Schriever	CO	Install Chiller Sequencing DDC Panel B600	\$2,310	2.50	
LJYC101103	Incirlik Air Base	Turkey	Non-potable Water Irrigation System Expansion	\$731	5.29	
Air Force Program Totals				6 Projects	\$40,041	1.8
<u>Defense Intelligence Agency</u>						
DIA 12-005	Joint Base Acacostia Bolling	DC	Optimize Chilled Water Plants	\$1,200	2.01	
DIA Program Totals				1 Project	\$1,200	2.0
<u>Defense Logistics Agency</u>						
SPN-12E01	Susquehanna	PA	Solar Wall, Bldg 732	\$1,000	2.04	
SPN-12E02	Susquehanna	PA	Solar Wall, Bldg 760	\$860	2.34	
JCT-11001	San Joaquin/Tracy Site	CA	Solar Wall, Bldg 16 A&B	\$2,470	0.60	
DLA Program Totals				3 Projects	\$4,330	1.3
<u>National Reconnaissance Office</u>						
Not Assigned	NRO/ADF-E	VA	2 MW Bloom Box Fuel Cell	\$2,000	0.68	
NRO Program Totals				1 Project	\$2,000	0.7
<u>Washington Headquarters Service</u>						
PEN2	Pentagon Reservation	VA	Revolving Doors in the Pentagon	\$1,410	2.00	
PEN5	Pentagon Reservation	VA	Energy Efficient Document Destruction	\$1,309	0.30	
WHS Program Totals				2 Projects	\$2,719	1.2
ECIP Program Totals				36 Projects	\$135,000	1.6

*SIR is Savings to Investment Ratio (\$ est. discounted lifetime savings / \$ invested)

Energy Efficiency Subtotal (13 Projects)	\$47,525
Renewable Energy Subtotal (21 Projects)	\$83,644
Water Conservation Subtotal (1 Projects)	\$731
Energy Security Subtotal (1 Projects)	\$3,100

**FY2012 Energy Conservation Investment Program, Congressional Notification
Changes to Previously Notified ECIP Projects**

FY	Component	Project No.	Location	State	Project Description	Original Programmed Amount	Revised Programmed Amount	Disposition
2009	Navy	P-0884	NB Ventura County	CA	Wind and Solar Heating (Pools)	\$4,318,000	\$6,736,000	Increase
2010	Navy	P-1023	NB San Diego	CA	Solar Thermal Hot Water	\$1,471,000	\$0	Cancel
2010	Navy	P-1024	NSWC Andros Is.	FB	1MW Wind Turbine	\$5,045,000	\$6,516,000	Increase
2011	Navy	P-1201	NSA Norfolk	VA	GSHP and Solar Wall	\$1,253,000	\$1,080,000	Decrease
2011	Navy	P-237	NAS Whidbey Island	WA	Ground Source Heat Pump	\$1,870,000	\$2,215,000	Increase
2008	Army	64880	White Sands MR	NM	Install direct digital controls	\$990,000	\$1,950,000	Increase
2008	ARNG	340613	Sea Girt	NJ	240KW Solar PV Syatem	\$1,664,000	\$2,080,888	Increase
2008	Army	67449	Fort Hood	TX	Install LED Lights	\$1,300,000	\$971,744	Decrease
2008	Army	67350	Fort Greely	AK	Facility Energy Improvements	\$564,000	\$411,933	Decrease
2008	Army	67454	Fort Gordon	GA	Convert Bldg 88 to Variable Speed	\$2,600,000	\$1,532,818	Decrease
2009	Army	67483	Pohakuloa Training	HI	Solar HW & Day Lighting	\$185,000	\$136,000	Decrease
2009	Army Reserves	67517	Fort Buchanan	PR	Solar HW & HVAC Replacement	\$770,000	\$548,000	Decrease
2009	Army	69710	Adelphi Labs	MD	Solar Thermal Roof Tiles	\$950,000	\$658,000	Decrease
ARRA	Army	72869	Iowa AAP	IA	GSHP for Bldg 100-101	\$590,000	\$1,291,000	Increase
ARRA	Army	67265	Fort Knox	KY	Barracks GSHP, Ph 6	\$3,911,000	\$2,790,000	Decrease
ARRA	Army	69693	Fort Hood	TX	Install 8,000 Motion Detectors	\$1,450,000	\$828,000	Decrease
2010	Army	67439	Ansbach	Germany	Install Radiant Heating in 7 Hangers	\$1,700,000	\$2,700,000	Increase
2010	Army	73002	Presidio of Monterey	CA	378 KW Solar PV	\$3,650,000	\$2,010,000	Decrease
2010	Army	72757	Fort Drum	NY	Retrocommissioning 17 Buildings	\$1,450,000	\$916,000	Decrease
2010	Army	64892	Presidio of Monterey	CA	Energy Efficient Insulation	\$1,500,000	\$696,000	Decrease
2010	Army	78958	Presidio of Monterey	CA	Non-Potable Water and Xeriscaping	\$0	\$1,400,000	Add
2010	Army	78827	Iowa AAP	IA	Geothermal and Photovoltaic	\$0	\$1,000,000	Add
ARRA	USAF	DBST080001	Cape Newenham	AK	Cns Wind Generators	\$4,700,000	\$725,650	Cancel
ARRA	USAF	DBQT080001	Cape Lisburne	AK	Cns Wind Generators	\$4,700,000	\$5,609,300	Increase
ARRA	USAF	DBWT030002	Cape Romanzof	AK	Cns Wind Generators	\$4,700,000	\$6,050,350	Increase
ARRA	USAF	LKTC081013	Creech	NV	Install Ground Source Heat Pumps	\$0	\$1,397,000	Add
2010	USAF	VYHK103002	Spangdahlem	Germany	Solar PV Roof Systems	\$0	\$5,100,000	Add
2011	USAF	WWYK103025	Tinker	OK	Install Free Cooling Heat Exchangers B9301	\$780,000	\$0	Cancel
2011	USAF	WWYK103026	Tinker	OK	Install Free Cooling Heat Exchangers B3001	\$760,000	\$0	Cancel
2011	USAF	MUHJ104238	Langley	VA	Replace Bldg 945 Boilers & Cooling Tower w/ Geothermal	\$721,000	\$0	Cancel
2011	USAF	FTEV073007	Hurlburt	FL	Install Graywater reuse & disto System	\$2,350,000	\$3,950,000	Increase
2011	USAF	MXRD100020	Hanscom	MA	Install new & Replace Gas lines	\$1,485,000	\$3,032,000	Increase
2011	USAF	MUHJ074040	Langley	VA	Replace HVAC w/ Geothermal in 7 Fac	\$7,600,000	\$5,097,773	Decrease
2011	USAF	ANZY059023	Arnold	TN	Replace Steam Heat w/ Electric heat pumps	\$660,000	\$366,900	Decrease