

FY2011 Energy Conservation Investment Program, Congressional Notification

Project No.	Location	State	Project Description	PROJECT COST (\$1,000)	SIR*
<b>Army</b>					
75745	Fort Carson, CO	CO	Expand EMCS System to 27 Buildings	\$1,950	2.3
75940	Wiesbaden, GE	Germany	Install Radiant Heat in 8 Buildings	\$1,450	4.2
72925	Fort Hunter Liggett	CA	1 MW Solar Micro Grid (8J Area)	\$9,700	1.1
75513	Fort Drum, NY	NY	Install Solar Walls	\$2,000	1.2
75895	USAG Natick, MA	MA	High Efficiency Lighting & Switches	\$1,200	6.9
75907	USAG Hohenfels, GE	Germany	Solar Water Heating System for 13 Buildings	\$1,550	1.5
75932	Letterkenny AD, PA	PA	GSHP for 28 Buildings	\$3,900	3.4
75937	Rock Island Arsenal, IL	IL	Upgrade Unit 9 & 10 Hydropower Turbine	\$3,260	1.1
76042	Camp Humphreys, KO	Korea	Ground Coupled Heat Pumps	\$2,650	1.8
76103	Fort Indiantown Gap, PA	PA	GSHP, Solar HW Heater	\$810	2.1
76106	USAG Schweinfurt, GE	Germany	Install Radiant Heat in 9 Buildings	\$1,050	3.8
76125	Fort Riley, KS	KS	Solar Collector Systems	\$1,300	3.7
76151	Fort Bragg, NC	NC	Recommissioning, H Area	\$2,550	3.6
76158	Fort Bragg, NC	NC	Retrocommissioning 4th BCT	\$1,500	3.1
76172	Fort Bragg, NC	NC	Solar Walls, Daylighting, S.O.T.F.	\$1,750	1.7
76183	Fort Buchanan, PR	PR	Install Solar Street Lights & EMCS	\$1,100	2.9
77203	Hawthorne AD, NV	NV	Install Solar Street Lights	\$1,100	2.2
78655	Kwajalein Atol, M.I.	Marsh Is.	Optimize Power Plant Efficiency	\$4,100	6.8
<b>Army Program Totals</b>			<b>18 Projects</b>	<b>\$42,920</b>	<b>2.7</b>
<b>Navy</b>					
P-0072	JB Pearl Harbor	HI	JCTD SPIDERS Smart Power Infrastructure	\$3,590	0.6
P-0074	JB Pearl Harbor	HI	Solar Hot Water	\$2,250	1.4
P-0237	NAS Whidbey Island	WA	Ground Source Heat Pump	\$1,870	1.1
P-0361	NSA Crane	IN	Water Plant Backflush Reuse	\$455	18.8
P-0598	NB Ventura County	CA	200 kW Wind Turbine	\$5,460	2.9
P-0884	NB Ventura County	CA	100 kW Wind Turbine	\$1,900	2.8
P-0885	NB Ventura County	CA	100 kW Wind Turbine	\$2,564	2.1
P-1030	NAB Little Creek	VA	Solar Ventillation Pre-heat	\$744	1.9
P-1201	NSA Norfolk	VA	GSHP and Solar Wall	\$1,253	1.4
P-1203	NSA Souda Bay	Greece	Solar Water Heating	\$595	1.1
P-1204	NSA Souda Bay	Greece	Solar Hot Water	\$346	1.4
P-1205	NAF Atsugi	Japan	Solar Water Heating - Pool	\$1,909	1.1
P-1207	NAS Lemoore	CA	Daylighting and PV	\$1,059	1.0
<b>Navy Program Totals</b>			<b>13 Projects</b>	<b>\$23,995</b>	<b>2.1</b>
<b>Marine Corps</b>					
PE1291M	MCB Camp Pendleton	CA	Solar Thermal & PV - Area 43 Training Pool	\$729	1.6
P960	MCLB Albany	GA	Geothermal Heat Pumps	\$4,748	1.1
<b>Marine Corps Program Totals</b>			<b>2 Projects</b>	<b>\$5,477</b>	<b>1.2</b>

<b>Air Force</b>					
ANZY059023	Arnold	TN	Replace Steam Heat w/ Electric heat pumps	\$660	3.1
FTEV073007	Hurlburt	FL	Graywater reuse & distro System	\$2,350	2.9
FTFA091158	Eglin	FL	DDC Energy Mgmt System Upgrade	\$6,724	3.0
GHLN991035P4	FE Warren	WY	Expand Lake Pearson for irrigation	\$2,938	1.6
MUHJ074040	Langley	VA	Replace HVAC Loop w/ GSHP	\$7,600	1.3
MUHJ104238	Langley	VA	GSHP Bldg 945	\$721	3.7
MXRD100020	Hanscom	MA	Install new & Replace Gas lines	\$1,485	7.9
QYZH080018	Mtn Home	ID	Install Infrared Heater Controls, Multi Facilities	\$1,200	2.4
TYFR113168	Ramstein	Germany	Install Cool Roofs	\$3,400	2.0
WWCX031004A	Thule	Greenland	Install Energy Control System	\$5,227	10.3
WWYK103025	Tinker	OK	Install Free Cooling Heat Exchangers B9301	\$780	6.7
WWYK103026	Tinker	OK	Install Free Cooling Heat Exchangers B3001	\$760	3.1
<b>Air Force Program Totals</b>			<b>12 Projects</b>	<b>\$33,845</b>	<b>3.8</b>
<b>Defence Commissary Agency</b>					
EU11ME01	Rota Commissary	Spain	Facility Energy Improvements	\$417	1.4
EU11ME04	Incirlik Commissary	Turkey	Facility Energy Improvements	\$245	1.4
<b>DECA Program Totals</b>			<b>2 Projects</b>	<b>\$662</b>	<b>1.4</b>
<b>Defense Intelligence Agency</b>					
DIA 10-007	Joint Base Acacostia	DC	Demand-Based Ventilation Controls, DIAC (Bld	\$80	3.1
<b>DIA Program Totals</b>			<b>1 Project</b>	<b>\$80</b>	<b>3.1</b>
<b>Defense Logistics Agency</b>					
SPN-11E01	Susquehanna	PA	Upgrade lighting & controls bldg 53, 80, & 89	\$1,453	2.9
SPN-11E02	Susquehanna	PA	Solar Wall, Bldg 2001	\$3,800	2.0
<b>DLA Program Totals</b>			<b>2 Projects</b>	<b>\$5,253</b>	<b>2.2</b>
<b>Tricare Management Agency</b>					
NF002-10	Jacksonville	FL	Install 5 new steam boilers - Building 2080	\$924	9.9
78970	Tripler AMC	HI	ECIP EMCS Upgrades, Phase 5	\$850	1.2
77338	Fort Detrick	MD	Install HVAC Controls	\$754	6.9
<b>TMA Program Totals</b>			<b>3 Projects</b>	<b>\$2,528</b>	<b>6.1</b>
<b>Office of the Secretary of Defense</b>					
			Energy Security Testing and Certification	\$5,000	0.0
<b>OSD Program Totals</b>			<b>1 Project</b>	<b>\$5,000</b>	<b>0.0</b>
<b>ECIP Program Totals</b>			<b>54 Projects</b>	<b>\$119,760</b>	<b>2.8</b>

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

Energy Efficiency Subtotal (23 Projects)	\$42,349
Renewable Energy Subtotal (27 Projects)	\$66,668
Water Conservation Subtotal (3 Projects)	\$5,743
Energy Security Testing and Certification	\$5,000

**CHANGES TO PREVIOUSLY NOTIFIED ECIP PROJECTS**

<b>FY</b>	<b>Component</b>	<b>Project No.</b>	<b>Location</b>	<b>State</b>	<b>Project Description</b>	<b>Programmed Amount</b>	<b>Disposition</b>
2009	Navy	P-0860	Bangor	WA	Water source heat exchanger	\$4,281,000	Canceled
2009	Navy	P-853	Bremerton	WA	Ground Source Heat Pumps, 2 Bldgs	\$4,165,000	Added
ARRA	Navy	P-0205	NAVSTA Newport	RI	Solar Thermal Collectors	\$1,600,000	Added
2010	Navy	P-1007	NS Everett	WA	100 KW Wind	\$448,000	Canceled
2010	Navy	P-1025	NAS Fallon	NV	Solar Thermal and Daylighting	\$378,000	Canceled
2010	Navy	P-1034	NB Point Loma	CA	Solar PV - Bldg 554	\$243,000	Canceled
2010	Navy	P-1006	NAWS China Lake	CA	Ground Source Heat Pumps	\$1,480,000	Canceled
2010	Navy	P-1013	NAF Sigonella	Italy	Solar Hot Water	\$1,009,000	Added
2010	Navy	P-328	NSY Portsmouth	VA	Solar Ventilation Preheat	\$455,000	Added
2010	Navy	P-0362	NAS Lemoore	CA	Solar Thermal Heating System	\$2,783,000	Added
2010	Navy	P-1023	NB San Diego	CA	Solar Thermal Hot Water	\$1,471,000	Increase
2010	Navy	P-0901	CFA Yokosuka	Japan	Solar PV and GSHP	\$1,817,000	Decrease
2010	USMC	P-0392	MCRD Parris Island	SC	Solar PV - Parade Deck	\$1,516,000	Canceled
2010	USMC	P-0397	MCRD Parris Island	SC	Facility Energy Improvements	\$1,360,000	Added
2010	USAF	JUBJ08-9999	Maxwell Gunter	AL	Convert HVAC Controls to DDC	\$780,000	Canceled
2010	USAF	MHMOV08-3120	Kirtland	NM	Retrofit Air Colled to Evaporative Condens	\$616,000	Canceled
2010	USAF	MHMOV07-0051	Kirtland	NM	Storage Tank for Non Potable Water	\$1,144,000	Canceled
2010	USAF	MAHG091052	Keesler	MS	Expand 4121 Chilled Water Loop	\$2,350,000	Added
2010	USAF	MAHG081036	Keesler	MS	Retrofit Chiller Plant 4231	\$900,000	Added
2010	USAF	FTEV073002	Hurlbert Field	FL	Expand Dorm Chiller Plant	\$960,000	Added
2010	USAF	QUUG097002	Moron Ari Base	Spain	Solar PV Farm	\$7,100,000	Canceled
2010	USAF	VYHK103002	Spangdahlem	Germany	Solar PV Roof Systems	\$5,100,000	Canceled
2010	Army	74191	Fort Knox	KY	GSHP Well Field	\$3,350,000	Canceled
2010	Army	78212	Fort Bragg	NC	Retro-commissioning Bldgs A-area	\$3,000,000	Added
2010	TMA	76615	Ft Knox	NC	Heat Recovery IACH	\$2,220,000	Canceled
2010	TMA	78963	Tripler AMC	HI	EMCS Upgrades phase 4	\$790,000	Added
2010	TMA	78971	Tripler AMC	HI	EMCS Upgrades phase 6	\$750,000	Added
2010	TMA	78972	Tripler AMC	HI	EMCS Upgrades phase 7	\$590,000	Added