

## FY 2009 Energy Conservation Investment Program (ECIP) Projects

Component	Location	State	Project Description	Project Cost		
				(\$000)	SIR	YRS
Army	Fort Knox	KY	Barracks Geothermal Phase 4	\$3,500	1.50	10.10
Army	Fort Drum	NY	Solar walls & rehab shops	\$2,500	2.67	5.49
Army	Pohakuloa Training	HI	Solar Hot Water & Daylighting	\$150	3.01	4.80
Army	McAlester AAP	OK	Geothermal Heating and Cooling Systems	\$2,600	2.21	6.11
Army	Fort Buchanan	PR	Solar Water Heaters & HVAC Replacement	\$770	6.56	1.03
Army	Adelphi Lab	MD	Install solar thermal roof tile heating system	\$950	3.16	4.78
Army	Aberdeen PG	MD	Install Solar Tubes and Controls	\$840	3.10	4.75
Army	Schofield Bks	HI	Solar Water Heaters & Lighting Retrofit	\$1,250	2.73	4.75
Army	Fort Bliss	TX	Solar Daylighting	\$2,250	1.40	10.00
Army	Benelux		Install solar water heating	\$600	1.43	9.68
Army	Fort Dix	NJ	Photovoltaic Roof System 500kW	\$2,976	1.36	7.90
Army	Fort Knox	KY	Geothermal Domestic Hot Water & Exit Lighting	\$1,200	4.20	3.30
Army	Fort Sill	OK	Geothermal heating & cooling	\$3,550	1.25	9.58
Army	Fort Sill	OK	Geothermal Heating Plant	\$750	1.52	9.43
Army	Blue Grass AD	KY	Energy Efficiency Improvements, mult. locations	\$3,000	1.25	8.25
<b>Army Total</b>				<b>\$26,886</b>	<b>2.03</b>	<b>7.53</b>
Navy	NAVSTA Pearl	HI	Facility Energy Improvements	\$848	5.75	2.39
Navy	NAS Oceana	VA	Transpired Solar Wall, Wind and PV	\$1,332	2.21	5.33
Navy	NAS Fallon	NV	Solar Heating (pool) and Lighting	\$322	2.06	1.43
Navy	NSB Bangor	ME	Water Source Heat Exchangers	\$4,281	1.98	7.63
Navy	NAWC China Lake	CA	Boiler Heat Recovery and Solar	\$1,808	1.02	11.69
Navy	NB Ventura County	CA	Wind and Solar Heating (pools)	\$4,318	1.38	8.88
Navy	NAB Little Creek	VA	Ground Source Heat Pumps and PV	\$2,500	1.48	8.24
Navy	NAVSTA Norfolk	VA	Ground Source Heat Pumps and PV	\$1,120	1.62	8.71
Navy	NAS Whidbey Island	WA	Transpired Solar and Daylighting	\$846	1.31	9.96
Navy	NAS Lemoore	CA	Ground Source Heat Pumps	\$936	1.11	13.03
<b>Navy Total</b>				<b>\$18,311</b>	<b>1.77</b>	<b>8.34</b>
Marine Corps	MCB Camp Lejeune	NC	Solar Heating, Traaining Pools	\$1,082	1.52	9.78
Marine Corps	MCB Hawaii	HI	Solar Hot Water Systems for Temporary Lodging Facility, Bldgs 3038, 6533-6536 & 6539	\$515	1.65	9.01
Marine Corps	MCAS Camp Pendleton	CA	Photovoltaic System & Exterior Lighting Ph II, B23208 (Aviation Armament Shed)	\$1,135	1.49	9.40
Marine Corps	MCAGCC 29 Palms	CA	Photovoltaic System, Buildings 2056, 2057 & 2058 (Vehicle Holding Sheds)	\$1,159	1.00	14.64
Marine Corps	MCAS Miramar	CA	Solar Wall, Solar Thermal DHW, Solar Electric - Building 9215	\$877	1.39	9.15
<b>Marine Corp Total</b>				<b>\$4,768</b>	<b>1.38</b>	<b>10.67</b>
Air Force	Elmendorf	AK	Reconfigure ECU Ductwork at ARS	\$1,293	5.34	2.67
Air Force	Arnold	TN	ECIP Repair Insulation - Steam Lines	\$1,080	4.45	1.60
Air Force	New Castle Apt	DE	ECIP Repair Heating Systems	\$710	3.66	3.72
Air Force	Kadena	JP	Warehouse Lighting Retrofit	\$1,430	3.51	3.74
Air Force	Hickam	HI	ECIP Spring Well Water Pipe	\$1,531	3.00	6.30
Air Force	FE Warren	WY	Pre-Heaters & Radiant Heaters	\$912	2.97	5.38
Air Force	Hanscom	MA	ECIP Repair Steam Lines	\$870	2.91	3.51
Air Force	LA AFB	CA	ECIP Energy Reductions	\$834	2.75	3.76
Air Force	Elmendorf	AK	ECIP ENGR LTN RTRF WHS	\$902	2.71	3.91
Air Force	McGhee Apt	TN	ECIP Load Shed Generator	\$1,200	2.41	5.60
Air Force	Hickam	HI	ECIP Install Energu Efficient Lighting	\$1,065	2.15	4.79
Air Force	LA AFB	CA	ECIP Solar Roof Parking	\$3,300	0.94	13.52
Air Force	FE Warren	WY	Decentralize Central Heat Plant	\$7,856	2.10	6.03
<b>Air Force total</b>				<b>\$22,983</b>	<b>2.55</b>	<b>6.15</b>
DeCA	Yokota AB, Tokyo	JA	Facility Energy Improvements	\$310	2.30	5.20
DeCA	Kadena AB, Okinawa	JA	Facility Energy Improvements	\$320	2.20	5.60
DeCA	Sagamihara Commissary, Tokyo	JA	Facility Energy Improvements	\$120	1.50	8.10
DeCA	Portsmouth NSY, Kittery	Maine	Facility Energy Improvements	\$120	4.00	2.70
DeCA	Atsugi NAF, Tokyo	JA	Facility Energy Improvements	\$70	1.90	6.40
<b>DeCA total \$940</b>				<b>2.35</b>	<b>5.48</b>	
DLA	DDSP Susquehanna	PA	Facility Energy Improvements	\$1,500	3.27	3.40
<b>DLA total</b>				<b>\$1,500</b>	<b>3.27</b>	<b>3.40</b>
TMA	Tripler Army Medical Center	HI	ECIP Lighting Retrofit, Phase 3	\$621	1.77	6.01
TMA	Tripler Army Medical Center	HI	ECIP EMCS Upgrade Phase 3	\$630	1.21	6.34
TMA	US Naval hospital Okinawa	JA	ECIP Lighting Upgrade	\$42	1.50	6.50
<b>TMA Total</b>				<b>\$1,293</b>	<b>1.49</b>	<b>6.19</b>
OSD			Renewable Energy Assessment Project Development and Implementation	\$250		
OSD			ESTCP project support	\$3,000		
<b>OSD total</b>				<b>\$3,250</b>		
<b>Program Total</b>				<b>\$79,931</b>	<b>2.02</b>	<b>7.08</b>

