

1. COMPONENT The Defense Information Systems Agency		FY 2014 MILITARY CONSTRUCTION PROGRAM				2. DATE March 2013					
3. INSTALLATION AND LOCATION Ford Island, Pearl Harbor, HI			4. COMMAND Defense Information Systems Agency			5. AREA CONSTRUCTION COST INDEX \$2,615					
6. PERSONNEL		(1) PERMANENT		(2) STUDENTS			(3) SUPPORTED		(4) TOTAL		
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER		ENLISTED	CIVILIAN
a. AS OF											
b. END FY											
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE											
b. INVENTORY TOTAL AS OF											
c. AUTHORIZATION NOT YET IN INVENTORY											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM										\$2,615	
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											
f. PLANNED IN NEXT THREE PROGRAM YEARS											
g. REMAINING DEFICIENCY											
h. GRAND TOTAL										\$2,615	
8. PROJECTS REQUESTED IN THIS PROGRAM											
a. CATGEGORY				b. COST (\$000)							
(1) CODE	(2) PROJECT TITLE		(3) SCOPE				DESIGN START	STATUS COMPLETE			
131	DISA Facility Upgrades		Redundant Chillers		2,615		Jan 14	Apr 15			
9. FUTURE PROJECTS											
10. MISSION OR MAJOR FUNCTIONS											
<p>There are twelve DISA Field Commands co-located with the Combatant Commands and their missions are to plan, field, and support Global Net-Centric solutions that serve the needs of the Combatant Commander, and other DoD components within their regions. MILCON resources will be used to address various minor construction projects for DISA CONUS and OCONUS locations.</p>											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES											
										(\$000)	
A. Air Pollution										0	
B. Water Pollution										0	
C. Occupational Safety and Health										0	

1. COMPONENT		FY 2014 MILITARY CONSTRUCTION PROGRAM		2. DATE	REPORT CONTROL SYMBOL
DISA				March 2013	DD-A&T(A) 1610
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
Ford Island, Pearl Harbor, HI			DISA Pacific Facility Upgrades		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
0303148K	131	14DISA01	\$2,615		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					
Install redundant chilled water system including pumps and pipes, Bldg 77		LS	1	2,234.00	2,234.00
Sub Total			1	2,234.00	2,234.00
Contingency (5%)			1	112.00	112.00
SIOH			1	180.00	180.00
Design (4%)			1	89.00	89.00
Sub Total				2,615.00	2,615.00
TOTAL REQUEST (ROUNDED)				2,615.00	2,615.00
10. DESCRIPTION OF PROPOSED WORK:					
The Defense Information Systems Agency Pacific Field Office (DISA PAC), DISA Network Center (DNC) requires replacement of two existing chilled water system (chillers and cooling towers) and the installation of one additional chilled water system (chiller and cooling tower). This additional chilled water system will provide the facility with the redundancy it lacks today.					
11. REQUIREMENT (FY2014):					
PROJECT: This project will provide critical cooling capacity and redundancy with concurrent maintenance capability for all the DISA PAC spaces in Building 77.					
CURRENT SITUATION: In FY 2014, the existing chilled water systems at DISA Pacific Field Office will have met their life cycle replacement (15 years). The current system does not meet the criteria for N+1 redundancy which is a form of resilience that ensures system availability in the event of component failure. Components (N) have at least one independent backup component (+1).					
IMPACT NOT DONE: Without this project, the DNC and the server rooms with the additional equipment will not have adequate cooling and redundancy. Replacing the existing chilled water systems, which have met their manufactured life cycle expectancy, will minimize the risk of these systems being inoperable. The PAC DNC manages and operates the Pacific portion of the Global Information Grid which serves the needs of the Combatant Commander, US Pacific Command (USPACOM), and the other DoD components in the PACOM area of responsibility. The DNC and support areas require adequate cooling and redundancy to ensure the mission is never compromised or impacted. The addition of the third cooling system will eliminate the single point of failure (SPOF) for this critical mission. If adequate cooling is not provided the equipment will overheat and shut down which will impact DISA PAC's ability to provide command and control (C2) capabilities and enterprise infrastructure to continuously operate and assure a global net-centric enterprise.					
ADDITIONAL: Chillers, cooling towers and pumps that provide cooling for communications equipment shall be configured to provide 100% redundancy such that a loss of any system component does not significantly affect overall system performance or mission accomplishment.					

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IMPACT IF NOT PROVIDED By not supplementing this project, the highest risk is downtime to DISA PAC averting the loss of irreplaceable data should outage occur for lack of cooling and the mission of DISA PAC cannot operate without sufficient cooling. Existing chiller proved to be insufficient to provide needed cooling during harsh climate conditions.																																																																																																																																																
12. Supplemental Data: <table border="0" style="width: 100%;"> <tr> <td colspan="3" data-bbox="142 667 1008 695">a. Estimated design data:</td> <td></td> <td></td> </tr> <tr> <td data-bbox="191 699 315 726">(1) Status:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="240 730 505 758">(a) Date Design Started</td> <td></td> <td></td> <td></td> <td data-bbox="1247 730 1317 758">Jan 14</td> </tr> <tr> <td data-bbox="240 762 683 789">(b) Percent Complete as of JAN 2014 *</td> <td></td> <td></td> <td></td> <td data-bbox="1256 762 1307 789">N/A</td> </tr> <tr> <td data-bbox="240 793 521 821">(c) Date 35% Designed *</td> <td></td> <td></td> <td></td> <td data-bbox="1247 793 1317 821">Jun 14</td> </tr> <tr> <td data-bbox="240 825 532 852">(d) Date Design Complete</td> <td></td> <td></td> <td></td> <td data-bbox="1247 825 1317 852">Oct 14</td> </tr> <tr> <td data-bbox="240 856 802 884">(e) Parametric Cost Estimates used to develop costs</td> <td></td> <td></td> <td></td> <td data-bbox="1256 856 1307 884">Yes</td> </tr> <tr> <td data-bbox="240 888 542 915">(f) Type of design contract</td> <td></td> <td></td> <td></td> <td data-bbox="1208 888 1354 915">Design/Build</td> </tr> <tr> <td data-bbox="240 919 894 947">(g) Energy Study/Life-Cycle analysis was/will be performed</td> <td></td> <td></td> <td></td> <td data-bbox="1256 919 1307 947">N/A</td> </tr> <tr> <td data-bbox="191 951 298 978">(2) Basis</td> <td></td> <td></td> <td></td> <td data-bbox="1256 951 1307 978">Yes</td> </tr> <tr> <td data-bbox="240 982 607 1010">(a) Standard or Definitive Design</td> <td></td> <td></td> <td></td> <td data-bbox="1256 982 1307 1010">N/A</td> </tr> <tr> <td data-bbox="240 1014 695 1041">(b) Where Design was most recently used</td> <td></td> <td></td> <td></td> <td data-bbox="1256 1014 1307 1041">N/A</td> </tr> <tr> <td data-bbox="191 1045 678 1073">(3) Total Cost (c) = (a) + (b) or (d) + (e):</td> <td></td> <td></td> <td></td> <td data-bbox="1256 1045 1307 1073">N/A</td> </tr> <tr> <td data-bbox="240 1077 699 1104">(a) Production of Plans and Specifications</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="240 1108 532 1136">(b) All other Design Costs</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="240 1140 347 1167">(c) Total</td> <td></td> <td></td> <td></td> <td data-bbox="1256 1140 1307 1167">N/A</td> </tr> <tr> <td data-bbox="240 1171 380 1199">(d) Contract</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="240 1203 380 1230">(e) In-house</td> <td></td> <td></td> <td></td> <td data-bbox="1247 1203 1317 1230">Dec 14</td> </tr> <tr> <td data-bbox="191 1234 561 1262">(4) Construction Contract Award</td> <td></td> <td></td> <td></td> <td data-bbox="1247 1234 1317 1262">Jan 15</td> </tr> <tr> <td data-bbox="191 1266 435 1293">(5) Construction Start</td> <td></td> <td></td> <td></td> <td data-bbox="1247 1266 1317 1293">Apr 15</td> </tr> <tr> <td data-bbox="191 1297 509 1325">(6) Construction Completion</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="240 1329 987 1398"> <ul style="list-style-type: none"> Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability. </td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5" data-bbox="142 1402 1008 1461">b. Equipment Data: equipment associated with this project provided from other appropriations.</td> </tr> <tr> <td data-bbox="191 1493 423 1551">EQUIPMENT NOMENCLATURE</td> <td data-bbox="488 1493 716 1551">PROCURING APPROPRIATION</td> <td data-bbox="797 1493 997 1581">FISCAL YEAR APROPRIATED OR</td> <td colspan="2"></td> </tr> <tr> <td data-bbox="191 1585 358 1612">REQUESTED</td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td data-bbox="191 1617 444 1644">(1) INSTALLED EQT</td> <td></td> <td></td> <td colspan="2" data-bbox="850 1617 901 1644">N/A</td> </tr> <tr> <td data-bbox="191 1648 391 1675">(2) FURNITURE</td> <td></td> <td></td> <td colspan="2" data-bbox="850 1648 901 1675">N/A</td> </tr> <tr> <td data-bbox="191 1680 354 1707">(3) MOVE IN</td> <td></td> <td></td> <td colspan="2" data-bbox="850 1680 901 1707">N/A</td> </tr> </table>					a. 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5. PROGRAM ELEMENT 0303148K	6. CATEGORY CODE 131	7. PROJECT NUMBER 14DISA01	8. PROJECT COST (\$000) 2,615	

13. JOINT USE CERTIFICATION:

The Joint use certification is not required for DISA Combatant Command field office construction projects.