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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 3: Advanced Technology Development (ATD)					R-1 ITEM NOMENCLATURE PE 0603924F: High Energy Laser Advanced Technology Program							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	1.088	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
635095: High Energy Laser Advanced Technology Program	-	1.088	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
This program funds Department of Defense (DoD) high energy laser (HEL) advanced technology development through the HEL Joint Technology Office (JTO). This program is part of the overall DoD HEL Science and Technology (S&T) program. HEL weapons have many potential advantages including speed-of-light delivery, precision target engagement, significant magazine depth, low-cost per kill, and reduced logistics requirements. HEL weapons have the potential to perform a wide variety of military missions including defeat of high-speed, maneuvering anti-ship and anti-aircraft missiles and the ultra-precision negation of targets in urban environments with minimal collateral damage. Efforts in this program have been coordinated through the DoD S&T Executive Committee process to harmonize efforts and eliminate duplication. This program is in Budget Activity 3, Advanced Technology Development, since it enables and demonstrates HEL capabilities and concepts.												
B. Program Change Summary (\$ in Millions)				FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total				
Previous President's Budget				1.122	0.000	0.000	-	0.000				
Current President's Budget				1.088	0.000	0.000	-	0.000				
Total Adjustments				-0.034	0.000	0.000	-	0.000				
• Congressional General Reductions				-	0.000							
• Congressional Directed Reductions				-	0.000							
• Congressional Rescissions				0.000	0.000							
• Congressional Adds				-	0.000							
• Congressional Directed Transfers				-	0.000							
• Reprogrammings				0.000	0.000							
• SBIR/STTR Transfer				-0.034	0.000							
• Other Adjustments				0.000	0.000	0.000	-	0.000				
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2012	FY 2013	FY 2014	
Title: Solid State Laser Technologies									1.088	0.000	0.000	
Description: Advance solid state laser development. Develop beam-control technologies for surface and air mission areas.												
FY 2012 Accomplishments:												

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
Completed integrated systems field tests at High Energy Laser Systems Test Facility (HELSTF). Demonstrated solid-state laser capability with adaptive optics beam control architecture in a field environment against selected targets. FY 2013 Plans: N/A FY 2014 Plans: N/A				
Accomplishments/Planned Programs Subtotals		1.088	0.000	0.000
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy N/A				
F. Performance Metrics Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.				