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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force **DATE:** April 2013

APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603859F: <i>Pollution Prevention - Dem/Val</i>
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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	-	2.300	2.054	0.953	-	0.953	2.488	2.346	1.948	1.983	Continuing	Continuing
644852: <i>Pollution Prevention</i>	-	2.300	2.054	0.953	-	0.953	2.488	2.346	1.948	1.983	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

[#] 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

Funds will be used to target R&D activities that demonstrate and prototype alternative weapon system manufacturing, remanufacturing, and maintenance materials and processes that reduce or eliminate hazardous chemicals, materials and waste streams through cost-effective programs and practices, while improving energy efficiency and reducing greenhouse gas emissions. Upon proof of the new process or materials, the resulting product can be transitioned to depot maintenance processes, which results in reduced maintenance costs, reduced depot flow time, and increases asset availability. Specifically, funds target pollution prevention technologies that reduce or eliminate chromium, cadmium, and nickel, as well as reduce or eliminate Hazardous Air Pollutants (HAPS), Volatile Organic Compounds (VOCs), and Class I and II Ozone Depleting Substances (ODS), global warmers and biochemical oxygen demand (BOD) and to increase the use of renewable and alternative fuels. This effort is in Budget Activity 04, Advanced Component Development and Prototypes, because the emphasis is on proving component and subsystem maturity prior to integration in major and complex systems and may involve risk reduction initiatives.

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	2.075	2.054	2.014	-	2.014
Current President's Budget	2.300	2.054	0.953	-	0.953
Total Adjustments	0.225	0.000	-1.061	-	-1.061
• 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	0.000	0.000			
• Other Adjustments	0.225	0.000	-1.061	-	-1.061

Change Summary Explanation

The program changed in FY 14 due to rephasing.

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
Title: Hazardous Pollution Prevention Description: RCRA FY 2012 Accomplishments: Continue development of activities to reduce or eliminate hazardous materials and waste. Specific activities were qualifying and transiting a non-regulated Di-Chromate Sealer replacement at 309 CMXG. An additional activity involved qualifying and transiting a non-regulated brush Cadmium Minuteman Missile engine re-manufacture replacement. FY 2013 Plans: Continue development of activities to reduce or eliminate hazardous materials and waste. FY 2014 Plans: Continue development of activities to reduce or eliminate hazardous materials and waste.		2.300	2.054	0.953
Accomplishments/Planned Programs Subtotals		2.300	2.054	0.953
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy Pollution Prevention activities are level of effort and use time and materials support contracts.				
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.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)						R-1 ITEM NOMENCLATURE PE 0603859F: Pollution Prevention - Dem/ Val						PROJECT 644852: Pollution Prevention			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Air Force Research Lab	Various	Various:Various,	-	2.218	May 2012	1.994	May 2013	0.924		-		0.924	Continuing	Continuing	TBD
Subtotal			0.000	2.218		1.994		0.924		0.000		0.924			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Air Force Research Lab	Various	Various:Various	-	0.000		0.000		0.000		-		0.000	Continuing	Continuing	TBD
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Air Force Research Lab	Various	Various:Various	-	0.000		0.000		0.000		-		0.000	Continuing	Continuing	TBD
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000			
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Air Force Research Lab	Various	Various:Various,	-	0.082	Jun 2012	0.060	Jun 2013	0.029		-		0.029	Continuing	Continuing	TBD
Subtotal			0.000	0.082		0.060		0.029		0.000		0.029			
			All Prior Years	FY 2012	FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			0.000	2.300		2.054		0.953		0.000		0.953			
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force							DATE: April 2013	
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		POLLUTION PREVENTION DEM/VAL						
		NOTIONAL SCHEDULE FOR CONTINUOUS CYCLE						
	FY12	FY13	FY14	FY15	FY16	FY17	FY18	CONTINUING
REQUIREMENTS ID								
POTENTIAL ALTERNATIVES								
TEST PLAN								
TESTING								
TEST REPORT								
DEMONSTRATION								
FINAL REPORT								

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force			DATE: April 2013
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Requirements ID	1	2015	4	2015
Potential Alternatives	1	2015	4	2015
Test Plan	1	2015	4	2015
Testing	1	2012	4	2016
Test Report	1	2012	4	2016
Demonstration	1	2013	4	2018