UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): March 6, 2012

AEROVIRONMENT, INC.

(Exact name of registrant as specified in its charter)

Delaware001-3326195-2705790(State or other jurisdiction of(Commission File Number)(I.R.S. Employer Identification No.)

181 W. Huntington Drive, Suite 202 Monrovia, CA

incorporation or organization)

91016 (7in Code)

(Address of Principal Executive Offices) (Zip Code)

Registrant's telephone number, including area code: (626) 357-9983

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (*see* General Instruction A.2. below):

- o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange ct (17 CFR 240.14d-2(B))
- o Pre-commencement communications pursuant to Rule 13e-4(c)) under the Exchange Act (17 CFR 240.13e-4c))

Item 2.02. Results of Operations and Financial Condition

On March 6, 2012, AeroVironment, Inc. issued a press release announcing third quarter financial results for the period ended January 28, 2012, a copy of which is attached hereto as Exhibit 99.1.

The information in this Current Report on Form 8-K, including the exhibit, is furnished pursuant to Item 2.02 and shall not be deemed "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, except as shall be expressly set forth by specific reference in such filing.

In addition to historic information, this report, including the exhibit, contains forward-looking statements regarding events, performance and financial trends. Various factors could affect future results and could cause actual results to differ materially from those expressed in or implied by the forward-looking statements. Some of those factors are identified in the exhibit, and in our periodic reports filed with the Securities and Exchange Commission.

Item 9.01. Financial Statements and Exhibits

(d) Exhibits.

The following exhibits are filed herewith:

Exhibit Number

Description

99.1 Press release issued by AeroVironment, Inc., dated March 6, 2012.

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SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

AEROVIRONMENT, INC.

Date: March 6, 2012 By: /s/ Timothy E. Conver

Timothy E. Conver

Chairman, President and Chief Executive Officer

PRESS RELEASE

AeroVironment, Inc. Announces Fiscal 2012 Third Quarter Results

MONROVIA, Calif., Mar. 6, 2012 — AeroVironment, Inc. (NASDAQ: AVAV) today reported financial results for its third quarter ending January 28, 2012.

"As of the third quarter of fiscal year 2012 our revenue is up 15% and diluted earnings per share have grown by 50% compared to the same point last fiscal year." said Tim Conver, AeroVironment chairman and chief executive officer. "Q3 performance would have been much higher but an administrative delay in customer acceptance pushed the delivery of about \$20 million in Raven and Puma systems completed in Q3 into the first week of the fourth quarter. This resulted in third quarter revenue of \$72 million and fully diluted earnings per share of \$0.26, which were lower than planned but do not affect our outlook for the full fiscal year. Small UAS products and services, electric vehicle test and EV charging systems continue to demonstrate solid performance, Switchblade continues to gain traction with customers and our development programs continue to advance toward future adoption, supporting AeroVironment's long-term growth objectives."

FISCAL 2012 THIRD QUARTER RESULTS

Revenue for the third quarter of fiscal 2012 was \$72.0 million, down 15% over third quarter fiscal 2011 revenue of \$84.4 million. The decrease in revenue resulted from decreased sales in our Unmanned Aircraft Systems (UAS) segment of \$14.5 million partially offset by increased sales in our Efficient Energy Systems (EES) segment of \$2.0 million.

Income from operations for the third quarter of fiscal 2012 was \$7.3 million, a decrease of \$8.4 million from third quarter fiscal 2011 income from operations of \$15.7 million. The decrease in income from operations resulted from lower gross margin of \$6.7 million and higher selling, general and administrative (SG&A) expense of \$2.3 million offset by lower research and development (R&D) expense of \$0.6 million.

Net income for the third quarter of fiscal 2012 was \$5.7 million, a decrease of \$5.8 million from third quarter fiscal 2011 net income of \$11.5 million.

Earnings per diluted share for the third quarter of fiscal 2012 were \$0.26, a decrease of \$0.26 from third quarter fiscal 2011 earnings per diluted share of \$0.52.

FISCAL 2012 YEAR-TO-DATE RESULTS

Revenue for the first nine months of fiscal 2012 was \$214.3 million, up 15% from the first nine months of fiscal 2011 revenue of \$186.4 million. The increase in revenue resulted from increased sales in our UAS segment of \$17.6 million and EES segment of \$10.3 million.

Income from operations for the first nine months of fiscal 2012 was \$17.3 million, an increase of \$8.5 million from the first nine months of fiscal 2011 income from operations of \$8.8 million. The increase in income from operations was caused by higher gross margin of \$11.8 million and lower R&D expense of \$0.9 million, partially offset by higher SG&A expense of \$4.2 million.

Net income for the first nine months of fiscal 2012 was \$12.7 million, an increase of \$4.4 million from the first nine months of fiscal 2011 net income of \$8.3 million.

Earnings per diluted share for the first nine months of fiscal 2012 were \$0.57, an increase of \$0.19 from the first nine months of fiscal 2011 earnings per diluted share of \$0.38.

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BACKLOG

As of January 28, 2012, funded backlog (unfilled firm orders for which funding is currently appropriated to us under a customer contract) was \$85.5 million compared to \$82.9 million as of April 30, 2011.

FISCAL 2012 — OUTLOOK FOR THE FULL YEAR

For fiscal year 2012, the Company reiterates its revenue guidance of \$321 million to \$336 million, and earnings per share of \$1.28 to \$1.35 on a fully diluted basis.

The foregoing estimates are forward looking and reflect management's view of current and future market conditions, including certain assumptions with respect to our ability to obtain and retain government contracts, changes in the demand for our products and services, activities of competitors and changes in the regulatory environment, and general economic and business conditions in the United States and elsewhere in the world. Investors are reminded that actual results may differ materially from these estimates.

CONFERENCE CALL

In conjunction with this release, AeroVironment, Inc. will host a conference call today, Tuesday, March 6, 2012, at 1:30 pm Pacific Time that will be broadcast live over the Internet. Timothy E. Conver, chairman and chief executive officer, Jikun Kim, chief financial officer, and Steven A. Gitlin, vice

president of investor relations, will host the call.

4:30 PM ET 3:30 PM CT 2:30 PM MT 1:30 PM PT

Investors may dial into the call at (877) 561-2749 (U.S.) or (678) 809-1029 (international) five to ten minutes prior to the start time to allow for registration.

Investors with Internet access may listen to the live audio webcast via the Investor Relations page of the AeroVironment, Inc. website, http://investor.avinc.com. Please allow 15 minutes prior to the call to download and install any necessary audio software.

Audio Replay Options

An audio replay of the event will be archived on the Investor Relations page of the Company's website, at http://investor.avinc.com. The audio replay will also be available via telephone from Tuesday, March 6, 2012, at approximately 4:30 p.m. Pacific Time through Tuesday, March 13, at 9:00 p.m. Pacific Time. Dial (855) 859-2056 and enter the passcode 44382732. International callers should dial (404) 537-3406 and enter the same passcode number to access the audio replay.

ABOUT AEROVIRONMENT, INC.

AeroVironment is a technology solutions provider that designs, develops, produces and supports an advanced portfolio of Unmanned Aircraft Systems (UAS) and electric transportation solutions. Agencies of the U.S. Department of Defense and allied military services use the company's battery-powered, hand-launched unmanned aircraft systems extensively to provide situational awareness to tactical operating units through real-time, airborne reconnaissance, surveillance and communication. AeroVironment's electric transportation solutions include a comprehensive suite of electric vehicle (EV) charging systems, installation and network services for consumers, automakers, utilities and government agencies, power cycling and test systems for EV developers and industrial electric vehicle charging systems for commercial fleets. More information about AeroVironment is available at www.avinc.com.

FORWARD-LOOKING STATEMENTS

This press release contains "forward-looking statements" as that term is defined in the Private Securities Litigation Reform Act of 1995. Forward-looking statements include, without limitation, any statement that may predict, forecast, indicate or

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imply future results, performance or achievements, and may contain words such as "believe," "anticipate," "expect," "estimate," "intend," "project," "plan," or words or phrases with similar meaning. Forward-looking statements are based on current expectations, forecasts and assumptions that involve risks and uncertainties, including, but not limited to, economic, competitive, governmental and technological factors outside of our control, that may cause our business, strategy or actual results to differ materially from the forward-looking statements. Factors that could cause actual results to differ materially from the forward-looking statements include, but are not limited to, reliance on sales to the U.S. government; changes in the supply and/or demand and/or prices for our products; the activities of competitors; failure of the markets in which we operate to grow; failure to expand into new markets; changes in significant operating expenses, including components and raw materials; failure to develop new products; changes in the regulatory environment; and general economic and business conditions in the United States and elsewhere in the world. For a further list and description of such risks and uncertainties, see the reports we file with the Securities and Exchange Commission. We do not intend, and undertake no obligation, to update any forward-looking statements, whether as a result of new information, future events or otherwise.

- Financial Tables Follow -

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AeroVironment, Inc. Consolidated Statements of Income (Unaudited) (In thousands except share and per share data)

	 Three Months Ended				Nine Months Ended			
	January 28, 2012		January 29, 2011		January 28, 2012		January 29, 2011	
Revenue:	_	· ·						
Product sales	\$ 36,645	\$	45,996	\$	113,802	\$	90,710	
Contract services	35,319		38,438		100,531		95,733	
	 71,964		84,434		214,333		186,443	
Cost of sales:								
Product sales	23,587		25,869		69,958		55,201	
Contract services	20,944		24,436		64,597		63,302	
	 44,531		50,305		134,555		118,503	
Gross margin	27,433		34,129		79,778		67,940	
Selling, general and administrative	12,866		10,578		38,806		34,634	
Research and development	7,238		7,872		23,640		24,533	
Income from operations	 7,329	-	15,679		17,332		8,773	
Other income:								
Interest income	129		49		313		215	
Income before income taxes	7,458		15,728		17,645		8,988	

Provision for income taxes	1,714	4,274	4,988	715
Net income	\$ 5,744	\$ 11,454	\$ 12,657	\$ 8,273
Earnings per share data:			 	
Basic	\$ 0.26	\$ 0.53	\$ 0.58	\$ 0.38
Diluted	\$ 0.26	\$ 0.52	\$ 0.57	\$ 0.38
Weighted average shares outstanding:				
Basic	21,797,802	21,594,032	21,761,927	21,568,541
Diluted	22,317,015	22,096,989	22,269,675	22,046,479
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AeroVironment, Inc. Consolidated Balance Sheets (In thousands except share and per share data)

		anuary 28, 2012	April 30, 2011		
Assets	(1	Unaudited)			
Current assets:					
Cash and cash equivalents	\$	65,865	\$	62.041	
Short-term investments	Ψ	88,572	Ψ	126,839	
Accounts receivable, net of allowance for doubtful accounts of \$984 at January 28, 2012 and \$639 at		00,572		120,000	
April 30, 2011		24,213		44,376	
Unbilled receivables and retentions		24,507		21,966	
Inventories, net		48,447		38,137	
Deferred income taxes		2,810		2,300	
Prepaid expenses and other current assets		2,793		2,372	
Total current assets		257,207		298,031	
Long-term investments		36,497		6,275	
Property and equipment, net		20,936		17,498	
Deferred income taxes		9,704		9,762	
Other assets		201		181	
Total assets	\$	324,545	\$	331,747	
Liabilities and Stockholders' Equity					
Current liabilities:					
Accounts payable	\$	13,375	\$	31,134	
Wages and related accruals		13,726		15,458	
Income taxes payable		1,927		7,404	
Other current liabilities		9,114		7,384	
Liability for uncertain tax positions		724		724	
Total current liabilities		38,866		62,104	
Wages and other accruals		1,124		762	
Deferred rent		1,081		1,275	
Liability for uncertain tax positions		3,656		4,138	
Commitments and contingencies					
Stockholders' equity:					
Preferred stock, \$0.0001 par value:					
Authorized shares — 10,000,000					
None issued or outstanding		_		_	
Common stock, \$0.0001 par value:					
Authorized shares — 100,000,000					
Issued and outstanding shares — 22,146,714 at January 28, 2012 and 21,949,884 at April 30, 2011		2		2	
Additional paid-in capital		123,371		119,765	
Accumulated other comprehensive loss		(697)		(784)	
Retained earnings		157,142		144,485	
Total stockholders' equity		279,818		263,468	
Total liabilities and stockholders' equity	\$	324,545	\$	331,747	

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AeroVironment, Inc. Consolidated Statements of Cash Flows (Unaudited) (In thousands)

		Nine Months Ended			
				January 29, 2011	
Operating activities			-		
Net income	\$	12,657	\$	8,273	
Adjustments to reconcile net income to cash provided by operating activities:					
Depreciation and amortization		6,418		8,105	
Provision for doubtful accounts		354		59	

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Deferred income taxes		(510)		125
Stock-based compensation		2,319		1,672
Tax benefit from exercise of stock options		664		493
Excess tax benefit from stock-based compensation		(115)		
Gain on sale of property and equipment		(13)		(54)
Changes in operating assets and liabilities:				
Accounts receivable		19,809		(5,866)
Unbilled receivables and retentions		(2,541)		(859)
Inventories		(10,310)		(7,952)
Other assets		(441)		(1,198)
Accounts payable		(17,759)		2,962
Other liabilities		(5,678)		(2,739)
Net cash provided by operating activities		4,854		3,021
Investing activities				
Acquisitions of property and equipment		(9,856)		(6,207)
Proceeds from the sale of property and equipment		13		108
Net sales of held-to-maturity investments		7,965		12,986
Net sales of available-for-sale investments		225		200
Net cash (used in) provided by investing activities		(1,653)	-	7,087
Financing activities				
Excess tax benefit from stock-based compensation		115		_
Exercise of stock options		508		326
Net cash provided by financing activities		623		326
Net increase in cash and cash equivalents		3,824		10,434
Cash and cash equivalents at beginning of period		62,041		28,665
Cash and cash equivalents at end of period	\$	65,865	\$	39,099
Cash and Cash equivalents at that of period	Ψ	05,005	Ψ	33,033
Supplemental disclosure:				
Unrealized gain (loss) on long-term investments recorded in other comprehensive income, net of deferred				
taxes of \$59 and \$43, respectively	\$	87	¢	(65)
taxes of 400 and 440, respectively	ψ	07	Φ	(03)

Reportable Segment Results are as Follows (Unaudited): (In thousands)

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	Three Months Ended				Nine Months Ended			
		January 28, 2012		January 29, 2011		January 28, 2012		January 29, 2011
Revenue:				_		_		
UAS	\$	57,247	\$	71,733	\$	176,383	\$	158,796
EES		14,717		12,701		37,950		27,647
Total		71,964		84,434		214,333		186,443
Gross margin:								
UAS		23,151		29,003		70,580		56,807
EES		4,282		5,126		9,198		11,133
Total		27,433		34,129		79,778		67,940
Selling, general and administrative		12,866		10,578		38,806		34,634
Research and development		7,238		7,872		23,640		24,533
Income from operations		7,329		15,679		17,332		8,773
Interest income		129		49		313		215
Income before income taxes	\$	7,458	\$	15,728	\$	17,645	\$	8,988

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