FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* EARHART ALAN L (Last) (First) (Middle) 983 UNIVERSITY AVENUE, BUILDING A (Street)					MOI [MP 3. Dat 06/21	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR] 3. Date of Earliest Transaction (Month/Day/Year) 06/21/2006 4. If Amendment, Date of Original Filed (Month/Day/Year)							C (C	Relationship of Reporting (Check all applicable) X Director Officer (give title below) Individual or Joint/Group Line) X Form filed by One			10% Owner Other (specify below)	
(City)			Zip)											For Per	n filed by Mo son	re tha	ın One Rep	orting
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day					Execution Date,			Transaction Dispose Code (Instr. and 5)			ities Acqu d Of (D) (l		Secu Bene Own	nount of rities ficially ed wing	Fori (D) (m: Direct or rect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
						Code	v	Amount	(A) or (D)		Repo		(iiis	ur. 4)	(msu. 4)			
			Table						quired, Dis					wned				
1. Title of Derivative Security (Instr. 3)	Title of 2. Title of Conversion Date Conversion Or Exercise (Month/Day/Year) if any			4. Transact Code (In	fransaction of Code (Instr. Derivative			6. Date Exercisable and Expiration Date (Month/Day/Year) 7. Title and Amount of Securities Underlying Derivative Security (Instand 4)			nd of s ng	8. Price of Derivati Security (Instr. 5	Beneficia	e s illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership		
					Code	v	(A)	(D)	Date Exercisable		ixpiration oate	Title	Amoun or Number of Shares					
Non- Qualified Stock Option (right to buy)	\$12.16	06/21/2006 ⁽¹⁾			A		15,000		06/21/2007 ⁽	2) 0	06/21/2016	Common Stock	15,000	\$12.16	15,00	0	D	

Explanation of Responses:

- 1. Under the automatic grant provisions, 15,000 shares are granted to non-employee directors on the date of the annual stockholders meeting .
- 2. Option is 100% exercisable on the first anniversary of the date of the option grant, provided the non-employee director remains a director on such date.

Alan Earhart

06/22/2006

** Signature of Reporting Person

on Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- * If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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