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* SMITH- PILKINGTON KAREN A (Last) (First) (Middle) 6409 GUADALUPE MINES ROAD (Street) SAN JOSE CA 95120					MOI [MP 3. Dat 05/24	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC MPWR 3. Date of Earliest Transaction (Month/Day/Year) 05/24/2007 4. If Amendment, Date of Original Filed (Month/Day/Year)									Relationship of Reporting Person(s) to Issuer Relationship of Reporting Person(s) to Issuer Reck all applicable) X Director 10% Owner Officer (give title Other (specify below) Individual or Joint/Group Filing (Check Applicable e) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(Si		Zip)				•••					, 5				•			
Table I - Non-Deriva 1. Title of Security (Instr. 3) 2. Transact Date (Month/Day)				ction	ion 2A. Deemed Execution Date,			3. Transact Code (In	ion	4. Secur	4. Securities Acquired (Disposed Of (D) (Instr.				unt of es ially	Forn (D) c Indi	n: Direct or rect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code				v	Amount	(A) (D)		Price	Reporte Transac (Instr. 3	ed ction(s)	(Instr. 4)		(111501.4)		
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																		
1. Title of Derivative Security (Instr. 3)	1. Title of 2. 3. Transaction Date Execution Date, or Exercise (Month/Day/Year)			Code (In	ransaction of ode (Instr. Derivative			6. Date Exe Expiration (Month/Day	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			
					Code	v	(A)	(D)	Date Exercisable		xpiration)ate	Title	or	ount nber ires					
Non- Qualified Stock Option (right to buy)	\$16.97	05/24/2007			A		30,000		05/24/2008 ⁽	1) 0	5/24/2014	Commo	30,	,000	\$0	30,000		D	

Explanation of Responses:

1. 50% of the shares subject to vest on each anniversary of the grant date, provided that the Participant continues to serve as a Director on such dates.

By: Rick Neely For: Karen A. Smith Bogart 05/25/2007

** Signature of Reporting Person 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.