FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number:	3235-0287							
Estimated average burden								
hours per response:								

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						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]									heck all a	ionship of Reporting all applicable) Director		10% C	Owner
(Last) (First) (Middle) 79 GREAT OAKS BLVD					3. Date of Earliest Transaction (Month/Day/Year) 02/11/2014											Officer (give title below)		below)	(specify
(Street) SAN JOS (City)	E CA		5119 Zip)		4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									ne) X Fo	ridual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day					Execution Date,						ities Acquired (d Of (D) (Instr. 3			Secu Ben Own		For (D) Indi	Ownership m: Direct or irect (I) str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount		A) or D)	Price	Rep Tran	ollowing eported ransaction(s) nstr. 3 and 4)		su . 4)	(111341. 4)
Common Stock 02/11/2					014		A		3,493	(1)	A	\$ <mark>0</mark>	.0	18,282		D			
	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)	ive Conversion Date y or Exercise (Month/Day/Year) if any		4. Transaction Code (Instr. 8)		of Deriv Secu Acqu (A) o Dispo	r osed) r. 3, 4	6. Date Ex Expiration (Month/D	n Dat	te	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		ount nber	8. Price of Derivativ Security (Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	,	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		

Explanation of Responses:

1. According to the Company's 2004 Equity Incentive Plan and the Board Compensation Schedule as adopted by the Board on February 4, 2014, each Outside Director will be automatically granted Restricted Stock Units as of such date, if he or she will have served on the Board for at least the preceding six (6) months, with such grant to be effective as of the first day that the Company's trading window re-opens (or as of the date of the meeting of the Board or Compensation Committee, as applicable, if the Company's trading window is open on such date, subject to the Outside Director's continued service to the Board through such date. 100% of the restricted stock units shall vest on the first anniversary of the Vesting Commencement Date.

By: Saria Tseng For: Karen Smith Bogart 02/13/2014

** 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.