FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL
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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 [*] Moyer James C				2. Issuer Name and Ticker or Trading Symbol <u>MONOLITHIC POWER SYSTEMS INC</u> [MPWR]									eckallapp X Direc	licable) tor		erson(s) to Issuer 10% Owner Other (specify	
(Last) (First) (Middle) 79 GREAT OAKS BLVD			3. Date of Earliest Transaction (Month/Day/Year) 03/19/2015														
(Street) SAN JOSE CA 95119 (City) (State) (Zip)			4. If Amendment, Date of Original Filed (Month/Day/Year)								Line	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(Sta			ativo S		ritio		uiro		sposod	of c	r Bono			ed.			
1. Title of Security (Instr. 3)			2A. Deemed Date Month/Day/Year) if any		eemed Ition Date,		action	4. 1 Dis	4. Securities Acquired (A) or				5. Amou Securitie Beneficia Owned	nt of es ally	Form: (D) or Indire	Direct	7. Nature of Indirect Beneficial Ownership
						Code	v	An	nount	or	Price		Reported Transact	d tion(s)	(Instr.	4)	(Instr. 4)
Common Stock					S ⁽¹⁾		4	4,600 D		\$54.7728 ⁽²⁾		93,623				by Moyer FamilyTrust	
Common Stock					S ⁽¹⁾		4	4,600	D	D \$55.5941 ⁽³⁾) 89,023		Ι		by Moyer FamilyTrust	
Common Stock													894,	,302		D	
	Та												Owned				
o of tive Conversion 3) Date (Month/Day/Year) 3) Derivative Security 2 3) Derivative Security 3 3) Derivative Security 3					of Deriv Secur Acqu (A) or Dispo of (D) (Instr	ative rities ired osed	Expira	ation [on Date Day/Year) Expiration		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) Amount or Number of		of Derivative Security	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		Form: Direct (E or Indire	Beneficial Ownership ct (Instr. 4)
	(First AT OAKS B BE CA (Stat Security (Inst Stock Stock Stock Stock	(First) (N AT OAKS BLVD BE CA 9: (State) (Z Table Security (Instr. 3) Stock Stock Stock Stock Stock Stock Tal	(First) (Middle) AT OAKS BLVD AT OAKS BLVD SE CA 95119 (State) (Zip) Table I - Non-Deriv Security (Instr. 3) 2. Transaction Date (Month/Day/Year) Stock 03/19/2015 Stock 03/20/2015 Stock Table II - Derivati (e.g., pt Conversion or Exercise Price of Derivetive 3. Transaction Date (Month/Day/Year) 2. Conversion or Exercise Price of Derivative 3. Transaction (Month/Day/Year) 3. Date (Month/Day/Year) 3. Deemed Execution Date, if any (Month/Day/Year)	(First) (Middle) AT OAKS BLVD 3. Date SE CA 95119 (State) (Zip) Table I - Non-Derivative S Security (Instr. 3) 2. Transaction Date 03/19/2015 24. Deres Stock 03/19/2015 25. Stock 03/20/2015 25. Stock 03/20/2015 26. Stock 03/20/2015 27. Stock 03/20/2015	(First) (Middle) AT OAKS BLVD 3. Date of E SE CA (State) (Zip) Table I - Non-Derivative Secu Security (Instr. 3) 2. 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Explanation of Responses:

1. In accordance with the reporting person's 10b5-1 trading plan.

The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$54.03 to \$55.06. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
 The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$54.93 to \$56.13. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.

By: Saria Tseng For: James	03/23/2015
Moyer	03/23/2013

** 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.