FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPRO	VAL						
OMB Number:	3235-0287						
Estimated average burden							
hours per response:	0.5						

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

Name and Address of Reporting Person* Moyer James C					2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]									Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner Officer (give title Other (specify					
(Last) (First) (Middle) 79 GREAT OAKS BLVD						3. Date of Earliest Transaction (Month/Day/Year) 11/12/2012									w)	itie	belo		
(Street) SAN JOS (City)		4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person								
1. Title of S	Security (Ins	2. Transaction Date (Month/Day/Year	2A. E Exec if any	2A. Deemed Execution Date,		3. Transa		uired, Disposed of (5) 4. Securities A Disposed Of (5)			red (A) o	r	5. Amount of		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
							Cod		v	Amount	(A) or (D)	Price							
Common Stock 11/1							S	S ⁽¹⁾		117	D	\$19.3596		1,006,873		D			
Common Stock			11/13/2012				S	(2)		200	D	\$18.735(3)		464,483		I		oy Moyer FamilyTrust	
Common Stock			11/14/2012			S	(2)		200	D	\$19.19		464,283		I		oy Moyer FamilyTrust		
		Та	ble II - Derivat (e.g., pı							sposed of , converti				Owned	l				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	Code (I	Transaction Of Deriv Secu Acqu (A) o Disp of (D) (Inst and		ities ired sed	Exp	iration	vercisable and n Date ay/Year)	Am Sec Und Der Sec	itle and ount of urities derlying ivative urity (Ins nd 4)	of s ng	8. Price of Derivative Security (Instr. 5)	9. Numb derivativ Securiti Benefici Owned Followin Reporte Transac (Instr. 4	ve es ally ng d tion(s)	Ownersh Form: Direct (D or Indire (I) (Instr. 4)	Beneficial Ownership	
				Code			(D)	Date Exercisa		Expiratio	n Titl	Amount or Number of e Shares							

Explanation of Responses:

- $1. \ Shares \ sold \ to \ pay \ tax \ obligations \ resulting \ from \ the \ vesting \ of \ restricted \ stock \ units.$
- 2. In accordance with the reporting person's 10b5-1 trading plan.
- 3. 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 \$18.58 to \$18.89. 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
Mover 11/14/2012

** 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.