MONOLITHIC POWER SYSTEMS INC

Form 4

October 15, 2007

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005 Estimated average

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

burden hours per response...

See Instruction

30(h) of the Investment Company Act of 1940

0.5

10% Owner

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading Moyer James C Symbol

5. Relationship of Reporting Person(s) to

Issuer

MONOLITHIC POWER SYSTEMS INC [MPWR]

(Check all applicable)

(First) 6409 GUADALUPE MINES ROAD

(Street)

(Month/Day/Year)

3. Date of Earliest Transaction

4. If Amendment, Date Original

X Director Other (specify X_ Officer (give title below)

10/15/2007

Chief IC Design Engineer

(Middle)

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person

Form filed by More than One Reporting

Person

SAN JOSE, CA 95120

(City)	(State)	(Zip) Tab	le I - Non-	Derivativ	e Secu	ırities Ac	quired, Disposed	of, or Benefic	cially Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	10/15/2007		Code V $S_{(1)}^{(1)}$	Amount 100	(D)	Price \$ 23.14	261,110	I	by Moyer FamilyTrust
Common Stock	10/15/2007		S <u>(1)</u>	100	D	\$ 23.15	261,010	I	by Moyer FamilyTrust
Common Stock	10/15/2007		S <u>(1)</u>	100	D	\$ 23.16	260,910	I	by Moyer FamilyTrust
Common Stock	10/15/2007		S(1)	100	D	\$ 23.17	260,810	I	by Moyer FamilyTrust
Common Stock	10/15/2007		S(1)	300	D	\$ 23.2	260,510	I	by Moyer FamilyTrust

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Common Stock	10/15/2007	S(1)	100	D	\$ 23.21	260,410	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	300	D	\$ 23.22	260,110	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	200	D	\$ 23.23	259,910	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	100	D	\$ 23.24	259,810	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	200	D	\$ 23.25	259,610	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	200	D	\$ 23.27	259,410	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	300	D	\$ 23.29	259,110	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	100	D	\$ 23.3	259,010	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	200	D	\$ 23.3	258,810	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	200	D	\$ 23.31	258,610	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	400	D	\$ 23.32	258,210	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	500	D	\$ 23.33	257,710	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	200	D	\$ 23.34	257,510	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	200	D	\$ 23.36	257,310	I	by Moyer FamilyTrust
Common Stock						890,569	D	
Common Stock						518,504	I	By Jointly w/Spouse

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

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 control number.

SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title o	of 2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Title and	8. Price of	9. Nu
Derivati	ve Conversion	(Month/Day/Year)	Execution Date, if	Transact	iorNumber	Expiration D	ate	Amount of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	ve .		Securities	(Instr. 5)	Bene
	Derivative				Securitie	S		(Instr. 3 and	14)	Own
	Security				Acquired					Follo
					(A) or					Repo
					Disposed					Trans
					of (D)					(Instr
					(Instr. 3,					
					4, and 5)					
				Code V	(A) (D)	Date	Expiration	Title Amo	unt	
				Code ((11) (D)	Exercisable	Date	or	unt	
						Lacicisatic	Date	Num	her	
								of		
								Shar	96	

Reporting Owners

Reporting Owner Name / Address	Kelationships							
	Director	10% Owner	Officer	Other				
Moyer James C								
6409 GUADALUPE MINES ROAD	X		Chief IC Design Engineer					
SAN JOSE, CA 95120								

Signatures

By: Saria Tseng For: James Moyer 10/15/2007

**Signature of Reporting Person Date

Explanation of Responses:

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

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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