FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number: 3235-02								
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

1. Name and Address of Reporting Person* MCBURNIE DOUGLAS M (Last) (First) (Middle) 79 GREAT OAKS BLVD							2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR] 3. Date of Earliest Transaction (Month/Day/Year) 02/22/2013										all appl	or r (give title		10% O Other (below)	wner
						4. If Amendment, Date of Original Filed (Month/Day/Year)										S. Individual or Joint/Group Filing (Check Applicable ine) X Form filed by One Reporting Person Form filed by More than One Reporting Person					on
(Oily)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Year					1	2A. Deemed Execution Date, if any			3. Transaction Code (Instr. 8)			4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4			or 5. Am and 5) Securi Benef Owned		ount of ties cially	6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership	
							Cod	de \	v	Amount	(A) or (D)	Price	Price		Following Reported Transaction(s) (Instr. 3 and 4)		tr. 4)	(Instr. 4)			
Common Stock 02/22/20						3					S		5,062	D	\$24.67		4	4,027		D	
Common Stock 02/22/2013										1	М		25,000	A	A \$12.86		29,027			D	
Common Stock 02/22/2013											S		25,000	D	\$24.69	.6958(1)		4,027		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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Exe	3A. Deemed Execution Date, if any		4. Transactic Code (Insi 8)		5. Numbe		6. Date Exer Expiration I (Month/Day			cisable and	7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		8. I of De Sec (In:	Price rivative curity str. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	у	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
						e	v	(A)	(D))ate Exercisa	able	Expiration Date	Title	or Numbe of Shares						
Non- Qualified Stock Option (right to buy)	\$12.86	02/22/2013			N	1			25,000		02/18/20	010	02/18/2016	Common Stock	25,000	0	\$0.0	0		D	

${\bf Explanation\ of\ Responses:}$

1. 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 \$24.57 to \$24.87. 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: Douglas McBurnie 02/25/2013

** Signature of Reporting Person Da

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

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.

^{*} 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).