FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
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

1. Name and Address of Reporting Person* Sciammas Maurice (Last) (First) (Middle) 79 GREAT OAKS BLVD				<u>МС</u> [м:	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR] 3. Date of Earliest Transaction (Month/Day/Year) 01/17/2013									c all app	plicable) etor er (give title		Owner (specify
														Sr. V.P.of Sale		s and Market	ing
(Street) SAN JOS (City)		State) (Zip)			4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person				rson
		Tabl	e I - Non-Deriv	ative	Seci	urities	Acqı	uired	, D	isposed c	f, or	Benefi	cially	Own	ed		
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Yea	Exe er) if a	2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr.		n	4. Securities Acquired (A) o Disposed Of (D) (Instr. 3, 4			nd 5) Securities Beneficially Owned		ities icially d	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership	
						Code V			Amount	(A) or (D)	Price				(Instr. 4)	(Instr. 4)	
Common	Stock		01/17/2013				S ⁽¹)		10,000	D	\$23.5	182(2)	6	4,004	I	by Family Trust
Common	Stock		01/17/2013				S ⁽¹)		2,000	D	\$23.5	182(2)	1	4,371	I	byC Sciammas 04 TRST
Common Stock 01			01/17/2013				S ⁽¹⁾			2,000	D	\$23.5182(2)		14,371		I	byM Sciammas 04 Trst
Common	Stock													11	10,630	D	
		Та	ble II - Derivat (e.g., pı							posed of, convertib				wned			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security		3A. Deemed Execution Date, if any	4. Transa	4. Transaction Code (Instr.		ber (6. Date E Expiratio (Month/D		ercisable and Date			8. F of Der Sec	Price ivative surity str. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirec (I) (Instr. 4)	Beneficial Ownership
				Code	v	(A) (Date Exercis	sabl	Expiration e Date	Title	Amou or Numb of Share	er				

Explanation of Responses:

- 1. In accordance with the reporting person's 10b5-1 trading plan.
- 2. he 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 \$23.5 to \$23.57. 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: Meera Rao For: Maurice <u>Sciammas</u>

** 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.