Sciammas Maurice Form 4 May 03, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

Estimated average burden hours per 0.5 response...

Check this box if no longer subject to Section 16. Form 4 or Form 5

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

Name and Add Sciammas Ma		ing Person *	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) 6409 GUADA	(First)	(Middle) TES ROAD	3. Date of Earliest Transaction (Month/Day/Year) 05/03/2011	Director 10% Owner _X_ Officer (give title Other (specify below) Sr. V.P.of Sales and Marketing			
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
SAN JOSE, C	A 95120			Form filed by More than One Reporting Person			

				1 CISOH					
(City)	(State)	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or B							lly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securionor Dispo (Instr. 3,	sed of 4 and (A) or		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	Securities Ownership Beneficially Form: Owned Direct (D) Following or Indirect Reported (I) Transaction(s) (Instr. 4)	
Common Stock	05/03/2011		S	233 <u>(1)</u>	` ′	\$ 16.5703	118,668	D	
Common Stock	05/03/2011		S	1,135 (1)	D	\$ 16.5702	117,533	D	
Common Stock							91,509	I	by Family Trust (2)
Common Stock							22,921	I	byC Sciammas 04 TRST
							22,921	I	

Common by M
Stock Sciammas
04 Trst (4)

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

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9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code (Instr.	ction 8) I S (I	Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Secur	int of rlying	8. Price of Derivative Security (Instr. 5)
				Code	V ((A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Sciammas Maurice 6409 GUADALUPE MINES ROAD SAN JOSE, CA 95120

Sr. V.P.of Sales and Marketing

Signatures

By: Saria Tseng For: Maurice Sciammas 05/03/2011

**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) Shares sold to pay tax obligations resulting from the vesting of restricted stock units.
- (2) Shares held by Sciammas Family Living Trust, Maurice Sciammas and Christina Sciammas, Trustees
- (3) Shares held by Christina Sciammas 2004 Trust, Christina Sciammas and Maurice Sciammas, Trustees

Reporting Owners 2

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(4) Shares held by Maurice Sciammas 2004 Trust, Maurice Sciammas and Christina Sciammas, Trustees

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.