FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
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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* Blegen Theodore						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]										tionship of Reportin all applicable) Director Officer (give title below)		ng Per	10% C	Owner (specify	
(Last) (First) (Middle) 79 GREAT OAKS BLVD						3. Date of Earliest Transaction (Month/Day/Year) 03/01/2017										CFO			DCIOW)		
(Street) SAN JOS (City)			5119 (ip)		4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									Indiv ne) X	Form	or Joint/Group Filing (Check Applicable in filed by One Reporting Person in filed by More than One Reporting son				
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																					
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/				y/Year)	Execution Date,			3. Transac Code (In 8)	ities Acquired (A d Of (D) (Instr. 3			B, 4 Secu		icially d	Form (D) o	ect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)				
									Code	v	Amount	(A (D) or)	Price		Reported Transaction(s) (Instr. 3 and 4)		(. ,,	(
Common Stock 03/01/20)17			S ⁽¹⁾		284		D	\$88	3.75		7,421		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)	e Conversion Date or Exercise (Month/Day/Year) if any			ransaction of Derivati Securiti Acquire (A) or Dispose of (D) (Instr. 3 and 5)		rative rities ired r osed)	C. Date Exercisable and Expiration Date (Month/Day/Year) Date Expiration Exercisable Date			Amount of Securities Underlying Derivative Security (Instr 3 and 4)			8. Price of Derivative Security (Instr. 5)		9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)). wnership orm: irect (D) r Indirect) (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)			

Explanation of Responses:

1. The reported sales were to cover taxes upon the vesting of restricted stock units, as required by the Company's equity incentive plans.

By: Saria Tseng For: T. Bernie <u>03/02/2017</u> Blegen

** 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.

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