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

Name and Address of Reporting Person* Rao Meera						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]									eck all appli Directo	,	g Per	rson(s) to Is 10% Ov Other (s	vner
(Last) (First) (Middle) 79 GREAT OAKS BLVD						3. Date of Earliest Transaction (Month/Day/Year) 12/31/2015									below)		Ю	below)	
(Street) SAN JOS (City)			5119 Zip)		4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)								Line	dividual or Joint/Group Filing (Check Applicable) Form filed by One Reporting Person Form filed by More than One Reporting Person				
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day)						Execution Date,			Transaction Dispose Code (Instr. and 5)			rities Acquired (A) red Of (D) (Instr. 3,			5. Amou Securiti Benefic Owned Followi	ies For ially (D)		n: Direct r ect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amoun	t (A) or (D)		Price	Reporte Transac	ed `			
	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. Transaction Code (Instr. 8)		n of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Owne Form Direc or Ind (I) (In 4)	Ownership Form: Direct (D) or Indirect (I) (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable		piration ite	Title	or Nu	ount mber Shares					
Performance Shares	(1)	12/31/2015			A		63,065		(1)		(1)	Commo	63,	,065(1)	\$0.0	63,065 ⁽¹⁾)	D	

Explanation of Responses:

1. On December 31, 2015, the reporting person was granted a target of 63,065 shares of restricted stock units in four tranches over the next four years subject to satisfaction of share price targets. The vesting of restricted stock units in the second, third and fourth tranches is also subject to satisfaction of certain operational goals and market price hurdles as well as time vesting condition, as determined by the Compensation Committee of the Company. One-third of the shares have no sales restrictions and are sellable upon vesting on January 1, 2020, one-third of the shares have no sales restrictions until January 1, 2021 and one-third of the shares have no sales restrictions until January 1, 2022 subsequent to the achievement of those price and operational targets.

By: Saria Tseng For: Meera <u>01/05/2016</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.