FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number: 3235-02									
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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* Neely Rick (Last) (First) (Middle) 6409 GUADALUPE MINES ROAD (Street)						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR] 3. Date of Earliest Transaction (Month/Day/Year) 08/03/2007 4. If Amendment, Date of Original Filed (Month/Day/Year)								5. Relationship of Reporting (Check all applicable) Director X Officer (give title below) Chief Finan 6. Individual or Joint/Group Line)			10% Ov Other (s below) Officer	vner specify
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(City)	(8)	·	(Zip)	lon Doris	rotivo (200	urition	. ^ ^	uirod	Die	acced of	or Pon	oficiall	v Owned				
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day)			tion	ion 2A. Deemed Execution Date,					es Acquired (A) or Of (D) (Instr. 3, 4		5. Amount of Securities Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership			
								Code	v	Amount	(A) or (D)	Price	Reported Transact (Instr. 3	d ion(s)	(Instr. 4)		(Instr. 4)	
Common Stock				08/03/2	08/03/2007				M		3,500	3,500 A		3,500			D	
Common Stock 08/03				08/03/2	007				S ⁽¹⁾		3,500	D	\$18.75	5)	D		
Common Stock ⁽²⁾ 08/0			08/03/2	007		A		9,500 A		\$0	9,500			D				
			Tab								sed of, or onvertible			vned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	emed ion Date, /Day/Year)	4. Transaction Code (Instr. 8)				6. Date Exercisa Expiration Date (Month/Day/Yea		ite Amount of		of s ng e	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficia Owned Following Reported Transacti	e s illy g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
					Code	v	(A)	(D)	Date Exercisa	ıble	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)			
Non- Qualified Stock Option (right to buy)	\$8.41	08/03/2007			M			3,500	09/06/20	06 ⁽³⁾	09/22/2015	Common Stock	3,500	\$ 18.75	148,94	40	D	
Non- Qualified Stock Option (right to	\$18.77	08/03/2007			A		30,000		08/03/20	09 ⁽⁴⁾	08/03/2014	Common Stock	30,000	\$18.77	30,00	0	D	

Explanation of Responses:

- 1. In accordance with the reporting person's 10b5-1 trading plan.
- 2. 50% of the Performance Units are subject to vest on the first anniversay of the Grant Date and 50% of the Performance Units are subject to vest on the second anniversary of the Grant Date, provide that the Grantee continues to be a service provider on such dates.
- 3. 25% of the shares subject to the option vest on 9/6/06; balance vests monthly over 36 months.
- 4. Fifty percent (50%) of the Shares subject to the Option shall vest twenty-four (24) months after the Grant Date, and 1/48 of the Shares subject to the Option shall vest monthly thereafter on the same day of the month as the Grant Date, subject to the Optionee continuing to be a Service Provider on such dates.

Rick Neely 08/07/2

** 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.