## 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 <sup>*</sup> <u>Neely Rick</u>						2. Issuer Name and Ticker or Trading Symbol <u>MONOLITHIC POWER SYSTEMS INC</u> [ MPWR ]									heck all ap Dire	plicable)		Person(s) to Issuer 10% Owner Other (specify	
(Last)     (First)     (Middle)       6409 GUADALUPE MINES ROAD						3. Date of Earliest Transaction (Month/Day/Year) 07/03/2008										below) Sr. VP a		below)	
(Street) SAN JOSE CA 95120 (City) (State) (Zip)					-	4. If Amendment, Date of Original Filed (Month/Day/Year)									<ul> <li>6. Individual or Joint/Group Filing (Check Applicable Line)</li> <li>X Form filed by One Reporting Person</li> <li>Form filed by More than One Reporting Person</li> </ul>				
1. Title of Security (Instr. 3)     2. Transacti Date (Month/Day.					tion	2A. Exe if a	Deer cutio		3. Transact Code (In	tion	4. Securities Acquired (/ Disposed Of (D) (Instr. 3 and 5)				or 5. Ar Secu Bene Own	nount of rities ficially ed	For (D) Ind	lirect (I)	7. Nature of Indirect Beneficial Ownership
								Code	v	Amour	nount (/		Price	Repo Tran	Following Reported Transaction(s) (Instr. 3 and 4)		str. 4)	(Instr. 4)	
Common Stock 07/03/20						08			<b>M</b> <sup>(1)</sup>		3,00	00	А	\$8.4	41	22,500		D	
Common Stock 07/03/20					2008	)08			<b>S</b> <sup>(1)</sup>		3,000		D	\$23	.06	19,500		D	
		Та	able II						uired, Di s, options						y Owne	b			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	ifany		4. Transactio Code (Inst 8)		of Der Sec (A) Dis of (	posed	6. Date Exercisab Expiration Date (Month/Day/Year)			Amount			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	y	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
						V (A)		(D)	Date Exercisable		piration te	Title	or Nu of	umber					
Non- Qualified Stock Option (right to buy)	\$8.41	07/03/2008			M <sup>(1)</sup>			3,000	09/06/2006	09	/22/2015	Comm Stocl		,000	\$0	103,940		D	

Explanation of Responses:

1. In accordance with the reporting person's 10b5-1 trading plan.

Rick Neely

07/03/2008 Date

\*\* Signature of Reporting Person

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.