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

Neely (Last)	Rick (Fi	of Reporting Person rst) (E MINES ROAD		2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR] 3. Date of Earliest Transaction (Month/Day/Year) 08/06/2008								(Cr	Dire X Offi belo	plicable) ctor cer (give title ow) Sr. VP a	Other below and CFO	Owner (specify		
(Street) SAN JOS (City)		4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable ine) X Form filed by One Reporting Person Form filed by More than One Reporting Person							
Table I - Non-Derive 1. Title of Security (Instr. 3) 2. Transact Date (Month/Day						ion 2A. Deemed Execution Date,				quired, Disposed of, 3. Transaction Code (Instr. 8) 4. Securitie Disposed (and 5)				d (A) o	r 5. Ar Secu	ount of ities icially	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	Amoui		A) or D)	Price	Repo		(msu. 4)	(11150. 4)				
Common Stock 08/06/2						008			M ⁽¹⁾		4,000		A	\$8.4	1	21,801	D	
Common Stock			08/06/	2008		S ⁽¹⁾		4,000		D	\$25	.5	17,801	D				
		Ta	able II						uired, Di						Owne	i		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	emed on Date, /Day/Year)	4. Transac Code (Ir 8)	tion Number		6. Date Exercisal Expiration Date (Month/Day/Year		Amo Seci Und Deri Seci		7. Title and 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 (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership	
						V (A)		(D)	Date Exercisable		oiration te	Title	or Nu of	umber				
Non- Qualified Stock Option (right to buy)	\$8.41	08/06/2008			M ⁽¹⁾			4,000	09/06/2006	09/	22/2015	Commo Stock		000	\$0	92,940	D	

Explanation of Responses:

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

By: Adriana Chiocchi For:
Rick Neely

08/06/2008

** 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.