FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
haura nar raananaa:	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 Addr	ess of Reporting Pe	rson*		2. Issuer Name and				MO IN			elationship of Rep	orting Person(s) to Issuer	
Moyer James C			MONOLITHIC MPWR]	POW	<u>VER</u>	KSYSIE	AC		eck all applicable) X Director	10)% Owner			
(Last) 6409 GUADAL	(First)	(Midd	lle)	3. Date of Earliest Tr 09/06/2007	ansaction	n (Mor	nth/Day/Year		2	X Officer (give to below) Chief IC		ther (specify elow) neer		
				4. If Amendment, Da	ite of Orig	jinal F	Filed (Month/E	6. Individual or Joint/Group Filing (Check Applicable						
(Street) SAN JOSE	CA	9512	20							Line	,	One Reporting	Person	
								Form filed by More than One Reporting Person						
(City)	(State)	(Zip)												
	Т	able I	1	tive Securities A		d, D				_				
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Yea	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transac Code (II		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 and 5)			r	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	Amount	(A) or (D)	or Price		Reported Transaction(s) (Instr. 3 and 4)	(mean 1)	(msu. 4)	
Common Stock			09/06/2007	,	S ⁽¹⁾		200	D	\$20.	7	321,444	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾	L	101	D	\$20.7	78	321,343	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾		99	D	\$20.	8	321,244	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾		100	D	\$20.8	34	321,144	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾	L	100	D	\$20.8	35	321,044	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾		400	D	\$20.8	36	320,644	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾		350	D	\$20.8	37	320,294	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾		200	D	\$20.8	39	320,094	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾		600	D	\$20.9	1	319,494	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾		500	D	\$20.9	92	318,994	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾		600	D	\$20.9)3	318,394	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾		300	D	\$20.9	94	318,094	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾		100	D	\$20.9	05	317,994	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾		100	D	\$20.9	06	317,894	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾		100	D	\$21.0)2	317,794	I	by Moyer FamilyTrust	
Common Stock			09/06/2007	,	S ⁽¹⁾		384	D	\$21.0	8	317,410	I	by Moyer FamilyTrust	
			•				,	,	,				•	

Title of Security (Instr. 3) Common Stock		2. Transaction Date (Month/Day/Yo	ear) if	2A. Deemed Execution Date, if any (Month/Day/Year)		Ti C	3. Transaction Code (Instr. 8)		4. Securities Disposed Of and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)	
							ode	v	Amount	(A) or (D)	Price						
		09/06/200)7				S ⁽¹⁾		100	D	\$21.11	317,	310			y Moyer FamilyTrust	
Common	Common Stock												890,	569]	D	
Common	Stock												518,	504			By Jointly w/Spouse
		Та	ble II - Derivat (e.g., pเ				•	•	•	osed of, convertib			y Owned	l			
Derivative Conversion Date Security or Exercise (Month/Day/Year) if	3A. Deemed Execution Date, if any (Month/Day/Year)	cution Date, Transac ny Code (I				Expiration re (Month/Day es			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Numb derivativ Securiti Benefici Owned Followir Reporte Transac (Instr. 4)	ve Owner ies Form: Direct or Ind ing (I) (Insect		Beneficial Ownership		
				Code	v	(A)	(D)	Date Exerci	isable	Expiration Date	Title	Amount or Number of Shares					

Explanation of Responses:

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

By: Rick Neely For: James 09/10/2007 <u>Moyer</u>

Date

** Signature of Reporting Person

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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.

^{*} 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).