## 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>Moyer James C</u>				2. Issuer Name and MONOLITHIC [ MPWR ]					. Relationship of Rep Check all applicable) X Director				
(Last) 6409 GUADAL	t) (First) (Middle) 9 GUADALUPE MINES ROAD			3. Date of Earliest Tr 09/13/2007	ansactior	n (Mor	nth/Day/Year		X Officer (give t below) Chief IC	her (specify low) leer			
(Street) SAN JOSE (City)	E CA 95120 (State) (Zip)			4. If Amendment, Da	ite of Orig	jinal F	iled (Month/E	· I	<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>				
		Table I	- Non-Deriva	tive Securities A	Acquire	d, D	isposed o	f, or B	enefici	ally Owned			
Date			2. Transaction Date (Month/Day/Yea	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 and 5)			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)	Price	Reported Transaction(s) (Instr. 3 and 4)			
Common Stock			09/13/2007		<b>S</b> <sup>(1)</sup>		200	D	\$21.67	312,612	I	by Moyer FamilyTrust	
Common Stock			09/13/2007		S <sup>(1)</sup>		102	D	\$21.68	3 312,510	I	by Moyer FamilyTrust	
Common Stock			09/13/2007		S <sup>(1)</sup>		200	D	\$21.69	312,310	I	by Moyer FamilyTrust	
Common Stock			09/13/2007		S <sup>(1)</sup>		200	D	\$21.71	312,110	I	by Moyer FamilyTrust	
Common Stock			09/13/2007		S <sup>(1)</sup>		100	D	\$21.72	2 312,010	I	by Moyer FamilyTrust	
Common Stock			09/13/2007		<b>S</b> <sup>(1)</sup>		661	D	\$21.73	3 311,349	I	by Moyer FamilyTrust	
Common Stock			09/13/2007		S <sup>(1)</sup>		739	D	\$21.74	4 310,610	I	by Moyer FamilyTrust	
Common Stock			09/13/2007		S <sup>(1)</sup>		1,100	D	\$21.75	5 309,510	Г	by Moyer FamilyTrust	
Common Stock			09/13/2007		S <sup>(1)</sup>		1,300	D	\$21.76	5 308,210	I	by Moyer FamilyTrust	
Common Stock			09/13/2007		S <sup>(1)</sup>		500	D	\$21.77	7 307,710	I	by Moyer FamilyTrust	
Common Stock			09/13/2007		S <sup>(1)</sup>		300	D	\$21.78	3 307,410	I	by Moyer FamilyTrust	
Common Stock			09/13/2007		<b>S</b> <sup>(1)</sup>		100	D	\$21.79	307,310	I	by Moyer FamilyTrust	
Common Stock										890,569	D		
Common Stock										518,504	I	By Jointly w/Spouse	

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		3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transact Code (In 8)		of Deriv Secu Acqu (A) o Dispo of (D (Instr	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) (A Date Exercisable and Expiration Date (Month/Day/Year)		Amount of Securities Underlying		of	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

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

By: Saria Tseng For: James	
Mover	-

09/14/2007

\*\* Signature of Reporting Person Date

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

 $^{\ast}$  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.