

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

**Pursuant to Section 13 or 15(d) of
the Securities Exchange Act of 1934**

**Date of Report (date of earliest event reported):
June 10, 2010**

MONOLITHIC POWER SYSTEMS, INC.

(Exact name of Registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

000-51026
(Commission
File Number)

77-0466789
(I.R.S. Employer
Identification Number)

6409 Guadalupe Mines Road, San Jose, CA 95120
(Address of principal executive offices) (Zip Code)

(408) 826-0600
(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- ☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- ☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- ☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- ☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.07 Submission of Matters to a Vote of Security Holders.

On June 10, 2010, Monolithic Power Systems, Inc. held its Annual Meeting of Shareholders. At the Annual Meeting, the shareholders voted on and approved the following proposals described in detail in the Company's Proxy Statement, dated April 23, 2010.

The results of the voting were as follows:

1. Proposal to elect two Class III directors to the Company's Board of Directors to serve until the Annual Meeting of Shareholders in 2013.

Nominee	For	Withheld	Broker Non-Votes
Michael Hsing	31,005,895	678,441	4,327,919
Herbert Chang	31,105,644	578,692	4,327,919

2. Proposal to ratify the appointment of Deloitte & Touche, LLP as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2010.

For	Against	Abstain	Broker Non-Votes
34,282,874	219,603	1,674	1,508,104

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: June 14, 2010

By: /s/ C. RICHARD NEELY, JR.
C. Richard Neely, Jr.
Chief Financial Officer
(Principal Financial and Accounting Officer and
Duly Authorized Officer)