
**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): August 17, 2011

EnerSys

(Exact name of registrant as specified in its charter)

Commission File Number: 1-32253

Delaware
(State or other jurisdiction
of incorporation)

23-3058564
(IRS Employer
Identification No.)

2366 Bernville Road, Reading, Pennsylvania 19605
(Address of principal executive offices, including zip code)

(610) 208-1991
(Registrant's telephone number, including area code)

(Former name or former address, if changed since last report)

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))
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Item 8.01. Other Events

On August 17, 2011, EnerSys issued a press release announcing the Board of Directors' unanimous approval of a \$50 million stock buy back plan. For additional information, reference is made to the press release, which is attached hereto as Exhibit 99.1 and incorporated herein by reference.

Item 9.01. Financial Statements and Exhibits

99.1 Press Release, dated August 17, 2011, of EnerSys regarding the stock buy back plan.

Signature(s)

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

EnerSys

Date: August 17, 2011

By:

/s/ Michael J. Schmidlein

Michael J. Schmidlein

Senior Vice President Finance & Chief Financial Officer

Exhibit 99.1 PRESS RELEASE, DATED AUGUST 17, 2011, OF ENERSYS REGARDING STOCK BUY BACK PLAN

EnerSys Announces \$50 Million Stock Buy Back Plan

READING, PA, August 17, 2011 - EnerSys (NYSE: ENS), the global leader in stored energy solutions for industrial applications, announced today that its Board of Directors unanimously approved on August 12, 2011 the repurchase of up to \$50 million of its common stock. The authorized repurchases will be made from time to time in either the open market or through privately negotiated transactions. The timing, volume and nature of share repurchases will be at the sole discretion of management, dependent on market conditions, applicable securities laws, and other factors, and may be suspended or discontinued at any time. No assurance can be given that any particular amount of common stock will be repurchased. All or part of the repurchases may be implemented under a Rule 10b5-1 trading plan, which would allow repurchases under pre-set terms at times when EnerSys might otherwise be prevented from doing so under insider trading laws or because of self-imposed blackout periods. This repurchase program is valid for up to six months and may be modified, extended or terminated by the Board of Directors at any time.

“The Company's Board has authorized the repurchase plan because it believes the recent market turmoil may cause the Company's stock to be undervalued,” stated John D. Craig, chairman, president and chief executive officer. “The stock buyback plan is facilitated by our strong capital structure and liquidity positions, with \$117 million in cash and short term investments as well as over \$325 million in available and unused borrowing capacity as of July 3, 2011.”

This repurchase program is in addition to EnerSys' previously authorized repurchase of up to the number of shares exercised through previous stock option awards and common stock issued under its 2010 Equity Incentive Plan.

EDITOR'S NOTE: EnerSys, the world leader in stored energy solutions for industrial applications, manufactures and distributes reserve power and motive power batteries, chargers, power equipment, and battery accessories to customers worldwide. Motive power batteries are utilized in electric fork trucks and other commercial electric powered vehicles. Reserve power batteries are used in the telecommunications and utility industries, uninterruptible power supplies, and numerous applications requiring standby power. The Company also provides aftermarket and customer support services to its customers from over 100 countries through its sales and manufacturing locations around the world.

More information regarding EnerSys can be found at www.enersys.com.

This press release and oral statements made regarding the subjects of this release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements may include, but are not limited to statements regarding EnerSys' plans, objectives, expectations and intentions and other statements contained in this press release that are not historical facts, including statements identified by words such as "expects," "should," "anticipates," "intends," "plans," "believes," "seeks," "estimates," "will" or words of similar meaning. These forward-looking statements are based upon management's current beliefs or expectations and are inherently subject to significant business, economic and competitive uncertainties and contingencies, many of which are beyond our control. The foregoing factors, among others, could cause actual results to differ materially from those described in the forward-looking statements. EnerSys may not realize benefits from this stock buy back. The statements in this press release are made as of the date of this press release, even if subsequently made available by EnerSys on its website or otherwise. EnerSys does not undertake any obligation to update any forward-looking statement to reflect circumstances or events that occur after the date such forward-looking statement is made. For a list of other factors, which could affect EnerSys' results, see EnerSys' filings with the Securities and Exchange Commission, including "Item 1A. Risk Factors," set forth in EnerSys' Annual Report on Form 10-K for the fiscal year ended March 31, 2011.