

EnergySolutions, Inc.  
Form S-8 POS  
June 29, 2011

As filed with the Securities and Exchange Commission on June 29, 2011

Registration No. 333-160661

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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**POST-EFFECTIVE AMENDMENT No. 1 TO**

**FORM S-8**

**REGISTRATION STATEMENT No. 333-160661**

**Under the Securities Act of 1933**

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***EnergySolutions, Inc.***

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of

**51-0653027**  
(I.R.S. Employer

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incorporation or organization)

Identification No.)

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**423 West 300 South, Suite 200**

**Salt Lake City, Utah 84101**

**Telephone: (801) 649-2000**

(Address and Telephone Number of Principal Executive Offices)

**EnergySolutions, LLC 401(k) Profit Sharing Plan**

(Full title of the plan)

**William R. Benz**

**Executive Vice President, Chief Financial Officer**

**EnergySolutions, Inc.**

**423 West 300 South, Suite 200**

**Salt Lake City, Utah 84101**

**(801) 649-2000**

(Name, address and telephone number, including area code, of agent for service)

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Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See definitions of large accelerated filer, accelerated filer, and smaller reporting company in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer   
(Do not check if a smaller reporting  
company)

Smaller reporting company

**EXPLANATORY NOTE DEREGISTRATION OF UNSOLD SECURITIES**

This Post-Effective Amendment No. 1 to the Registration Statement on Form S-8 effective July 17, 2009 (file No. 333-160661) (the Registration Statement ), is filed for the sole purpose of terminating the Registration Statement and deregistering any unsold shares of the Registrant's common stock, \$0.01 par value per share, previously registered under the Registration Statement and issuable under the EnergySolutions, LLC 401(k) Profit Sharing Plan, as amended (the Plan ). As of the date of this Post-Effective Amendment No. 1, no shares of the Registrant's common stock are reserved for future issuance under the Plan.

**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Post-Effective Amendment to be signed on its behalf by the undersigned, thereunto duly authorized, in Salt Lake City, State of Utah, on June 29, 2011.

**ENERGYSOLUTIONS, INC.**

By: */s/ WILLIAM R. BENZ*  
William R. Benz  
*Executive Vice President and Chief Financial Officer*

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities indicated as of June 29, 2011:

| <b>Name</b>                        | <b>Title</b>   |
|------------------------------------|--|
| STEVEN R. ROGEL                    | Chairman of the Board of Directors   |
| <i>/s/ VAL J. CHRISTENSEN</i>      | President, Chief Executive Officer and Director<br>(Principal Executive Officer)                               |
| VAL J. CHRISTENSEN                 |  |
| <i>/s/ WILLIAM R. BENZ</i>         | Executive Vice President and Chief Financial Officer<br>(Principal Financial and Principal Accounting Officer) |
| WILLIAM R. BENZ                    |  |
| <i>/s/ J. BARNIE BEASLEY, JR.*</i> | Director   |
| J. BARNIE BEASLEY, JR              |  |

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|                          |          |
|--------------------------|----------|
| DAVID LOCKWOOD           | Director |
| /s/ PASCAL COLOMBANI*    |          |
| PASCAL COLOMBANI         | Director |
| /s/ JEAN I. EVEREST, II* |          |
| JEAN I. EVEREST, II      | Director |
| /s/ CLARE SPOTTISWOODE*  |          |
| CLARE SPOTTISWOODE       | Director |
| /s/ ROBERT A. WHITMAN*   |          |
| ROBERT A. WHITMAN        | Director |
| /s/ DAVID B. WINDER*     |          |
| DAVID B. WINDER          | Director |

\* By Power of Attorney: /s/ VAL J. CHRISTENSEN  
Val J. Christensen  
Attorney-in-Fact

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Pursuant to the requirements of the Securities Act of 1933, the administrator of the EnergySolutions, LLC 401(k) Profit Sharing Plan has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in Salt Lake City, State of Utah, on June 29, 2011.

**EnergySolutions, LLC 401(k) Profit Sharing Plan**

By: /s/ William R. Benz  
Name: William R. Benz  
Title: Executive Vice President and Chief Financial Officer of EnergySolutions, Inc.