GenOn Energy, Inc. Form S-8 POS December 03, 2010

UNITED STATES SECURITIES AND EXCHANGE COMMISSION **WASHINGTON, DC 20549**

Post-Effective Amendment No. 1

to

FORM S-8

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

GenOn Energy, Inc.

(Exact Name of Registrant as Specified in Its Charter)

Delaware 76-0655566

(State or Other Jurisdiction of Incorporation or Organization)

(I.R.S. Employer Identification No.)

1000 Main Street Houston, Texas (Address of Principal Executive Offices)

77002 (Zip Code)

GenOn Energy, Inc. 2002 Stock Plan

(Full title of the plan)

Michael L. Jines

Executive Vice President,

General Counsel and Corporate Secretary

and Chief Compliance Officer

GenOn Energy, Inc.

1000 Main Street

Houston, Texas 77002

(Name and address of agent for service)

(832) 357-3000

(Telephone number, including area code, of agent for service)

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 the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer b

Accelerated filer o

Non-accelerated filer o

Smaller reporting company o

(Do not check if a smaller reporting company)

DEREGISTRATION OF SECURITIES

This Post-Effective Amendment No. 1 to the Registration Statement on Form S-8 (File No. 333-86610) (the Registration Statement) initially filed with the Securities and Exchange Commission on April 19, 2002 by GenOn Energy, Inc., formerly RRI Energy, Inc. (the Registrant), a Delaware corporation, is being filed to deregister all unsold shares of common stock of the Registrant, par value \$0.001 per share (Common Stock), and associated Series A preferred share purchase rights (the Rights) that were originally reserved for issuance under the GenOn Energy, Inc. 2002 Stock Plan.

On December 3, 2010, pursuant to an Agreement and Plan of Merger dated as of April 11, 2010 (the Merger Agreement), RRI Energy Holdings, Inc., a wholly owned subsidiary of the Registrant, merged with and into Mirant Corporation (Mirant), with Mirant continuing as the surviving entity and a direct wholly-owned subsidiary of the Registrant (the Merger). In connection with the Merger, the Registrant has terminated all offerings of its securities pursuant to the Registration Statement. In accordance with the undertaking contained in the Registration Statement, the Registration Statement, any of the Common Stock and Rights registered that remain unsold under the Registration Statement as of the date hereof.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, 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 No. 1 to the Registration Statement on Form S-8 to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Houston, State of Texas, on December 3, 2010.

GENON ENERGY, INC.

By: /s/ Edward R. Muller Edward R. Muller Chairman and Chief Executive Officer

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Pursuant to the requirements of the Securities Act of 1933, this Post-Effective Amendment No. 1 to the Registration Statement on Form S-8 has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
/s/ Edward R. Muller	Chairman and Chief Executive Officer	December 3, 2010
Edward R. Muller		
/s/ J. William Holden III	Executive Vice President and Chief Financial Officer	December 3, 2010
J. William Holden III	(Principal Financial Officer)	
/s/ Thomas C. Livengood	Senior Vice President and Controller	December 3, 2010
Thomas C. Livengood	(Principal Accounting Officer)	
/s/ E. William Barnett	Director	December 3, 2010
E. William Barnett		
/s/ Terry G. Dallas	Director	December 3, 2010
Terry G. Dallas		
/s/ Mark M. Jacobs	Director	December 3, 2010
Mark M. Jacobs		
/s/ Thomas H. Johnson	Director	December 3, 2010
Thomas H. Johnson		
/s/ Steven L. Miller	Director	December 3, 2010
Steven L. Miller		
/s/ Edward R. Muller	Director	December 3, 2010
Edward R. Muller		
/s/ Robert C. Murray	Director	December 3, 2010
Robert C. Murray		
/s/ Laree E. Perez	Director	December 3, 2010
Laree E. Perez		

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/s/ Evan J. Silverstein December 3, 2010

Evan J. Silverstein

/s/ William L. Thacker Director December 3, 2010

William L. Thacker