

NATIONAL GRID PLC  
Form 8-A12G  
June 29, 2006

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

**FORM 8-A**

**For Registration of Certain Classes of Securities  
Pursuant to Section 12(b) or 12(g) of the  
Securities Exchange Act of 1934**

**National Grid plc**

(Exact name of registrant as specified in its charter)

**England and Wales**

**98-0367158**

(State of incorporation or  
organization)

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

**1-3 Strand, London WC2N 5EH,  
England**

**None**

(Address of principal executive  
offices)

(Zip code)

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), check the following box.

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), check the following box.

Securities Act registration statement file number to which this form relates: None.

Securities to be registered pursuant to Section 12(b) of the Act:

Title of Each Class  
to Be So Registered

Name of Each Exchange on  
Which  
Each Class Is to Be  
Registered

**None**

**None**

Securities to be registered pursuant to Section 12(g) of the Act:

**Non-cumulative preference shares of 10 pence each**

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(Title of Class)

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## INFORMATION REQUIRED IN REGISTRATION STATEMENT

### Item 1. **Description of Registrant's Securities to be Registered.**

National Grid's non-cumulative preference shares of 10 pence each are known as the B Shares. The description of the B Shares set forth under Part 5 Rights and restrictions attached to the B Shares and Part 7 United Kingdom taxation in relation to the Return of Cash in the Circular to Shareholders dated June 6, 2005 provided as Exhibit 99.(a)(1) to the Schedule TO filed June 15, 2005, and the U.S. Supplemental Memorandum dated June 6, 2005 provided as Exhibit 99.(a)(2) to the Schedule TO filed June 15, 2005, is incorporated herein by reference.

There are no restrictions on the repurchase or redemption of the B Shares by National Grid while there is any arrearage in the payment of dividends or sinking fund installments.

There are no limitations imposed by foreign law or by the charter or other constituent document of National Grid on the right of nonresident or foreign owners to hold or vote the B Shares.

### Item 2. **Exhibits.**

Pursuant to the Instructions as to Exhibits with respect to Form 8-A, the following documents are incorporated hereby by reference:

- 1.1 Memorandum and Articles of Association of National Grid Transco plc (Exhibit 1 to National Grid Group Form 20-F dated 21 June 2002 File No. 1-14958).
- 1.2 Amendment to Memorandum and Articles of Association of National Grid Transco plc (Exhibit 1 to National Grid Transco Form 20-F dated 11 June 2003 File No. 1-14958).
- 1.3 Articles of Association of National Grid plc adopted by Special Resolution passed on 25 July 2005 (Exhibit 1.3 to National Grid Form 20-F dated 20 June 2006 File No. 1-14958).

**SIGNATURE**

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereto duly authorized.

NATIONAL GRID PLC

By: /s/ Steve Lucas  
Steve Lucas  
Group Finance Director

London, England  
June 29, 2006

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