

ING Infrastructure Development Equity Fund
Form N-8A
November 13, 2007

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-8A

**NOTIFICATION OF REGISTRATION FILED PURSUANT TO SECTION 8(a) OF THE INVESTMENT
COMPANY ACT OF 1940**

The undersigned investment company hereby notifies the Securities and Exchange Commission that it registers under and pursuant to the provisions of Section 8(a) of the Investment Company Act of 1940, and in connection with such notification of registration submits the following information:

ING Infrastructure Development Equity Fund

(Exact Name of Registrant as Specified in Declaration of Trust)

**7337 East Doubletree Ranch Road
Scottsdale, AZ 85258**

Address of Principal Business Office

(480) 477-3000

Telephone Number

Huey P. Falgout, Jr.

7337 East Doubletree Ranch Road

Scottsdale, AZ 85258

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Name and Address of Agent for Service of Process

COPIES OF COMMUNICATIONS TO:

Jeffrey S. Poretz, Esq.

Dechert LLP

1775 I Street, NW

Washington, DC 20006-2401

Registrant is filing a Registration Statement pursuant to Section 8(b) of the Investment Company Act of 1940 concurrently with the filing of Form N-8A: YES NO

SIGNATURES

Pursuant to the requirements of the Investment Company Act of 1940, the Registrant has caused this notification of registration to be duly signed on its behalf in the city of Scottsdale, and state of Arizona on the 13th day of November, 2007.

ING INFRASTRUCTURE DEVELOPMENT EQUITY
FUND

By: /s/ Michael J. Roland
Michael J. Roland
Trustee

Attest: /s/ Huey P. Falgout, Jr.
Huey P. Falgout, Jr.
Secretary
