Nuveen Core Equity Alpha Fund Form 3 March 27, 2007

## FORM 3

### UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

**OMB APPROVAL** 

**OMB** Number:

Expires:

3235-0104

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF **SECURITIES** 

January 31, 2005

Estimated average burden hours per

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting

Person \*

A Maguire Cary M

(Last)

100, C/O INTECH

(First)

(Street)

(Middle)

Statement

(Month/Day/Year)

03/27/2007

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

Nuveen Core Equity Alpha Fund [JCE]

4. Relationship of Reporting Person(s) to Issuer

5. If Amendment, Date Original

Filed(Month/Day/Year)

(Check all applicable)

Director Officer (give title below) (specify below)

10% Owner \_\_X\_\_ Other

6. Individual or Joint/Group Filing(Check Applicable Line) \_X\_ Form filed by One Reporting

Person

Form filed by More than One

Reporting Person

PALM BEACH GARDENS. FLÂ 33410

2401 PGA BLVD, SUITE

(City) (State)

1. Title of Security (Instr. 4)

(Zip)

2. Amount of Securities Beneficially Owned

(Instr. 4)

Porfolio Manager

Ownership Form: Direct (D)

or Indirect (I) (Instr. 5)

SEC 1473 (7-02)

Table I - Non-Derivative Securities Beneficially Owned

4. Nature of Indirect Beneficial Ownership

(Instr. 5)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

> Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a

currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)

2. Date Exercisable and **Expiration Date** (Month/Day/Year)

3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)

4. Conversion or Exercise Price of

Ownership Form of (Instr. 5) Derivative Security:

6. Nature of Indirect Beneficial Ownership

Date Exercisable

**Expiration Title** Date

Amount or Number of Shares

Derivative Security

Direct (D) or Indirect (I)

(Instr. 5)

## **Reporting Owners**

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Maguire Cary M 2401 PGA BLVD, SUITE 100 C/O INTECH PALM BEACH GARDENS Â FLÂ 33410	Â	Â	Â	Porfolio Manager

# **Signatures**

By: Jessica R. Droeger, Signed under POA

03/27/2007

\*\*Signature of Reporting Person

Date

## **Explanation of Responses:**

No securities are beneficially owned

- \* If the form is filed by more than one reporting person, see Instruction 5(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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