

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: 3235-0104  
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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

<p>1. Name and Address of Reporting Person *</p> <p>Â EVANS JACK</p> <p>(Last) (First) (Middle)</p> <p>2336 LINDEN DRIVE</p> <p>(Street)</p> <p>CEDAR RAPIDS,Â IAÂ 52403</p> <p>(City) (State) (Zip)</p>	<p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>03/27/2007</p>	<p>3. Issuer Name and Ticker or Trading Symbol</p> <p>Nuveen Core Equity Alpha Fund [JCE]</p>	<p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p>___ Director ___ 10% Owner                  ___ Officer ___X___ Other                  (give title below) (specify below)                  Trustee</p>	<p>5. If Amendment, Date Original Filed(Month/Day/Year)</p>	<p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p>__X__ Form filed by One Reporting Person                  ___ Form filed by More than One Reporting Person</p>
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**Table I - Non-Derivative Securities Beneficially Owned**

<p>1. Title of Security (Instr. 4)</p>	<p>2. Amount of Securities Beneficially Owned (Instr. 4)</p>	<p>3. Ownership Form:                  Direct (D)                  or Indirect (I)                  (Instr. 5)</p>	<p>4. Nature of Indirect Beneficial Ownership (Instr. 5)</p>
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

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

<p>1. Title of Derivative Security (Instr. 4)</p>	<p>2. Date Exercisable and Expiration Date (Month/Day/Year)</p> <p>Date Exercisable      Expiration Date</p>	<p>3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)</p> <p>Title      Amount or Number of Shares</p>	<p>4. Conversion or Exercise Price of Derivative Security</p>	<p>5. Ownership Form of Derivative Security:                  Direct (D)                  or Indirect (I)                  (Instr. 5)</p>	<p>6. Nature of Indirect Beneficial Ownership (Instr. 5)</p>
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## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
EVANS JACK 2336 LINDEN DRIVE CEDAR RAPIDS, IA 52403	Â	Â	Â	Trustee

## 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.

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