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Nuveen Core Equity Alpha Fund  
Form NSAR-A  
August 29, 2016

PAGE 1  
000 A000000 06/30/2016  
000 C000000 0001385763  
000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 N  
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008 A000002 ENHANCED INVESTMENT TECHNOLOGIES (INTECH)  
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008 D010002 PALM BEACH GARDENS  
008 D020002 FL  
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012 A000001 COMPUTERSHARE INC.  
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012 C010001 PROVIDENCE  
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013 A000001 PRICEWATERHOUSECOOPERS LLP  
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014 A000001 NUVEEN INVESTMENTS, LLC  
014 B000001 8-13464  
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015 C010001 BOSTON  
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015 C020001 MA  
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020 A000002 UBS  
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087	A030000	JCE
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088	C000000	N
088	D000000	N
SIGNATURE	STEPHEN D. FOY	
TITLE	V.P. & CONTROLLER	