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Kayne Anderson MLP Investment CO  
Form NSAR-A  
July 21, 2016

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011 A000003 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.  
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011 A000004 MORGAN STANLEY & CO. LLC  
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011 A000007 RBC CAPITAL MARKETS LLC  
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SIGNATURE	TERRY A. HART	
TITLE	CFO	