June 5, 2012

AerCap Will Initiate New Share Repurchase Program

Amsterdam, The Netherlands; June 5, 2011 - AerCap Holdings N.V. ("AerCap" or "the Company," NYSE: AER) today announced that it will initiate a new share repurchase program. The new repurchase program will run through December 31, 2012 and will allow total repurchases of up to $130 million in 2012. The total amount for shares repurchased under previously announced programs in 2011 and 2010 was $100 million.

Repurchases under the program may be made through open market purchases or privately negotiated transactions in accordance with applicable U.S. federal securities laws. The timing of repurchases and the exact number of shares of common stock to be purchased will be determined by the Company's management, in its discretion, and will depend upon market conditions and other factors. The program will be funded using the Company's cash on hand and cash generated from operations. The program may be suspended or discontinued at any time.

About AerCap
AerCap is the world's leading independent aircraft leasing company and has one of the youngest fleets in the industry. AerCap has a portfolio of 350 aircraft with a focus on fuel-efficient narrowbodies and widebodies. AerCap is a New York Stock Exchange-listed company (AER) headquartered in The Netherlands with offices in Ireland, the United States, China, Singapore, and the United Arab Emirates.

This press release may contain forward-looking statements that involve risks and uncertainties. In most cases, you can identify forward-looking statements by terminology such as "may", "should", "expects", "plans", "anticipates", "believes", "estimates", "predicts", "potential" or "continue" or the negative of such terms or similar terminology. Such forward-looking statements are not guarantees of future performance and involve significant assumptions, risks and uncertainties, and actual results may differ materially from those in the forward-looking statements.