

(Former
name or
former
address, if
changed
since last
report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 1.02 Termination of a Material Definitive Agreement

On September 9, 2016, Advanced Energy Industries, Inc. (the "Company"), along with three of its wholly-owned subsidiaries, AE Solar Energy, Inc., Sekidenko, Inc., and UltraVolt, Inc. terminated its Credit Agreement with Wells Fargo Bank, National Association ("Wells Fargo") which provided for a secured revolving credit facility of up to \$50.0 million (the "Credit Facility"), subject to a borrowing base calculation as discussed in our Annual Report on Form 10-K for the year ended December 31, 2015. Management determined that the Credit Facility was no longer needed and therefore is not cost beneficial to the Company.

The description of the Credit Agreement set forth above is a summary and is qualified in its entirety by the complete text of the Credit Agreement. A copy of the Credit Agreement was filed as Exhibit 10.1 to a Current Report on Form 8-K of the Company filed on October 12, 2012 (File No. 000-26966).

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

/s/
Thomas
Liguori
Date: September 9, 2016
Thomas
Liguori
Executive
Vice
President
and Chief
Financial
Officer