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**From:** Richard Kahn <[REDACTED]>  
**Sent:** Tuesday, November 6, 2018 4:47 PM  
**To:** Jeffrey Epstein  
**Subject:** Fwd: Apple, Inc.: 10-K Highlights Lower Capex and Work Down of Inventory

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Begin forwarded message:

From: "/b>"Morgan Stanley" <ms-wmir@morganstanley.com>

Subject: "/b>Apple, Inc.: 10-K Highlights Lower Capex and Work Down of Inventory

Date: "/b>November 5, 2018 at 7:08:54 PM =ST

To: "/b><richardkahn12@gmail.com>

Reply-To: "/b><mswmir-cie-feedback@morganstanley.com>

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Apple, Inc.: 10-K Highlights Lower Capex and Work Down of Inventory  
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Katy L. Huberty, CFA – Morgan Stanley

November 6, 2018 12:04 AM -MT

Apple's 10-K shows reduced capex guidance in FY19 and normalized F4Q gross margin increased 100bps Y/Y when adjusting for FX and warranty, better than the 40bps expansion on a reported basis. Lower inventory allows for lower NAND prices to flow to margin, but FX a rowing headwind.

Guidance for Reduced Capex Y/Y. Apple expects to incur \$14B capex in FY19, down from \$16.7B reported in FY18. This is the first year Apple provided initial CapEx guidance lower Y/Y over the past decade. We attribute lower capex to 1) completing the multi-year build out of Apple's new headquarters and 2) further leverage of past tooling investments as we model overall device units (iOS + macOS) flat to modestly declining over the next four years. September quarter gross margin expansion stronger Y/Y than reported after normalizing for warranty and derivatives. Normalized gross margin shows a 100bps Y/Y increase compared to 40bps expansion in reported gross margin after adjusting for Y/Y headwinds in (1) greater warranty accruals and (2) one-time benefit in Services in the year ago period assumed at 100% gross margin), partially offset by a Y/Y benefit from (3) FX hedges and (4) non-designated derivatives. Normalized September gross margin of 38.0% was slightly below reported gross margin of 38.3% and increased 100bps Y/Y relative to +40bps on a reported basis. Warranty expense was a 60bps headwind to reported gross margin, greater than the +50bps tailwind in the year ago reported gross margin. We calculate the impact of warranty expenses by comparing reported warranty expense to normalized expense based on three year average ratios to hardware revenue. Offsetting was 60bps of FX hedge gains in September, increasing from a +10bps boost in the prior year quarter. Non-designated derivatives created a +30bps tailwind to reported gross margins and improved from a -40bps drag a year ago (1). Higher cost NAND inventory being worked down. \$4B of inventory on the balance sheet is still light.

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