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**From:** Paul Barrett <[REDACTED]>  
**Sent:** Friday, October 20, 2017 1:48 PM  
**To:** jeffrey E.  
**Subject:** FW: ECB QE much bigger

See the line in Yellow. That's why European HY=trades at the same level as 10yr US Treasuries. This will be a big trade f=r us next year.

Paul Barrett

Alpha Group Capital LLC

[REDACTED]

**From:** Torsten Slok [REDACTED]  
**Sent:** Wednesday, October 18, 2017 9:54 AM  
**Subject:** DB: ECB QE much bigger

There are various w=ys of measuring the impact of QE carried out by the Fed, ECB, and BoJ. One=simple comparison is to look at the size of QE relative to net issuance. T=is reveals how much additional "firepower" each central bank brought to the market in an attempt to lower long rates =nd narrow credit spreads and boost stock markets.

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For the Fed, Treasury purchases never exceeded Treasury=net issuance whereas for the BoJ QE was 3 times bigger than net issuance a=d for the ECB QE is currently 7 times bigger than net issuance.=span style="font-size:12.0pt">

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This difference =n QE magnitude across the G3 is an important reason why the ECB exit is li=ely to be a much bigger event for markets, see also my note last week looking at the \$8trn in bonds yielding negative interest rates, chart inse=ted again at the bottom here.

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Let us know if you would like to add a colleague to this distribution list.<=p>

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Torsten Sløk, Ph. =.

Chief International =Economist

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