

OECD GREEN GROWTH & SUSTAINABLE DEVELOPMENT

PARIS

5 DECEMBER 2013

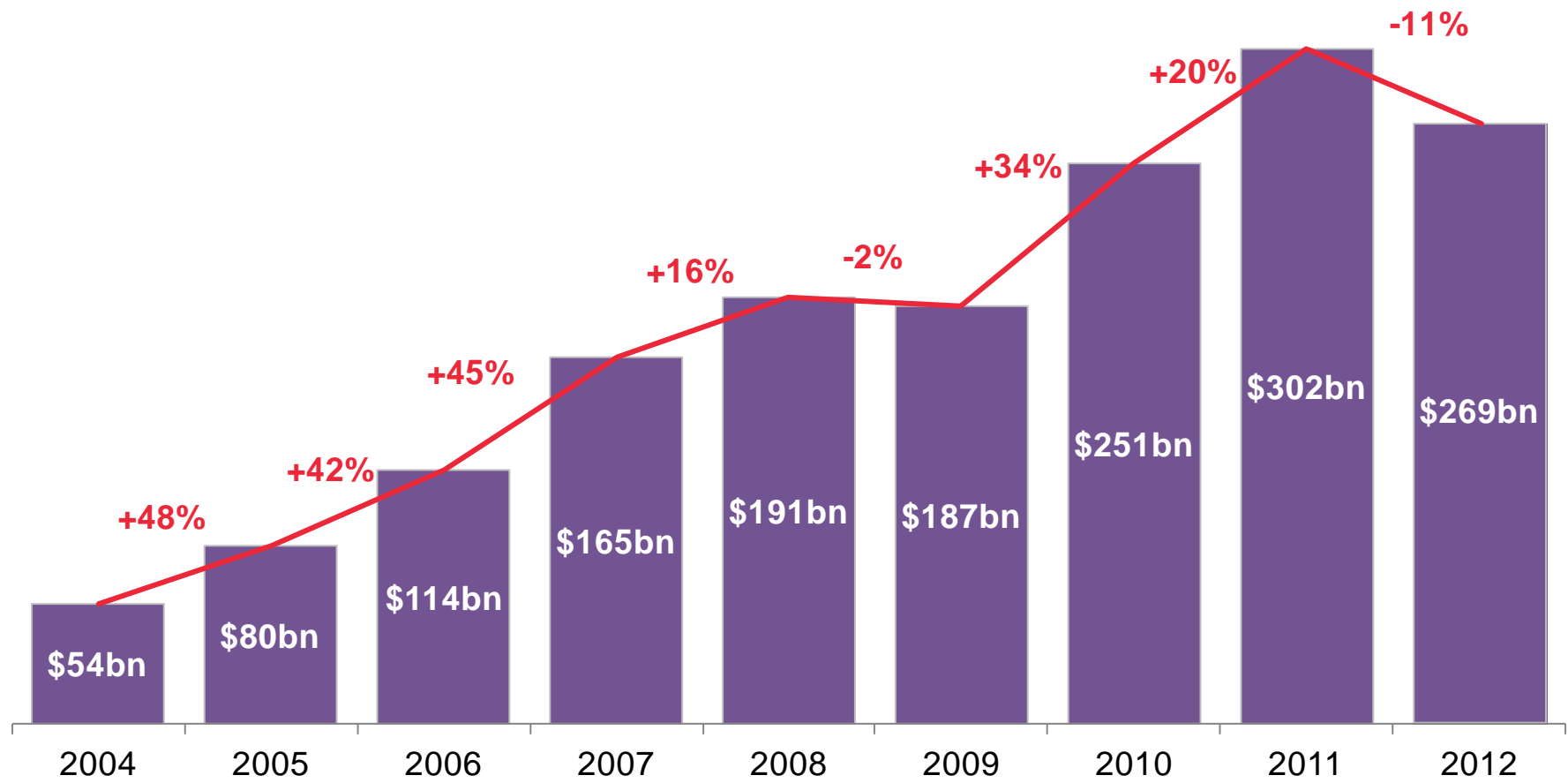
Michael Liebreich, Chief Executive

Bloomberg New Energy Finance

Twitter: @MLiebreich



GLOBAL TOTAL NEW INVESTMENT IN CLEAN ENERGY 2004–12 (\$BN)

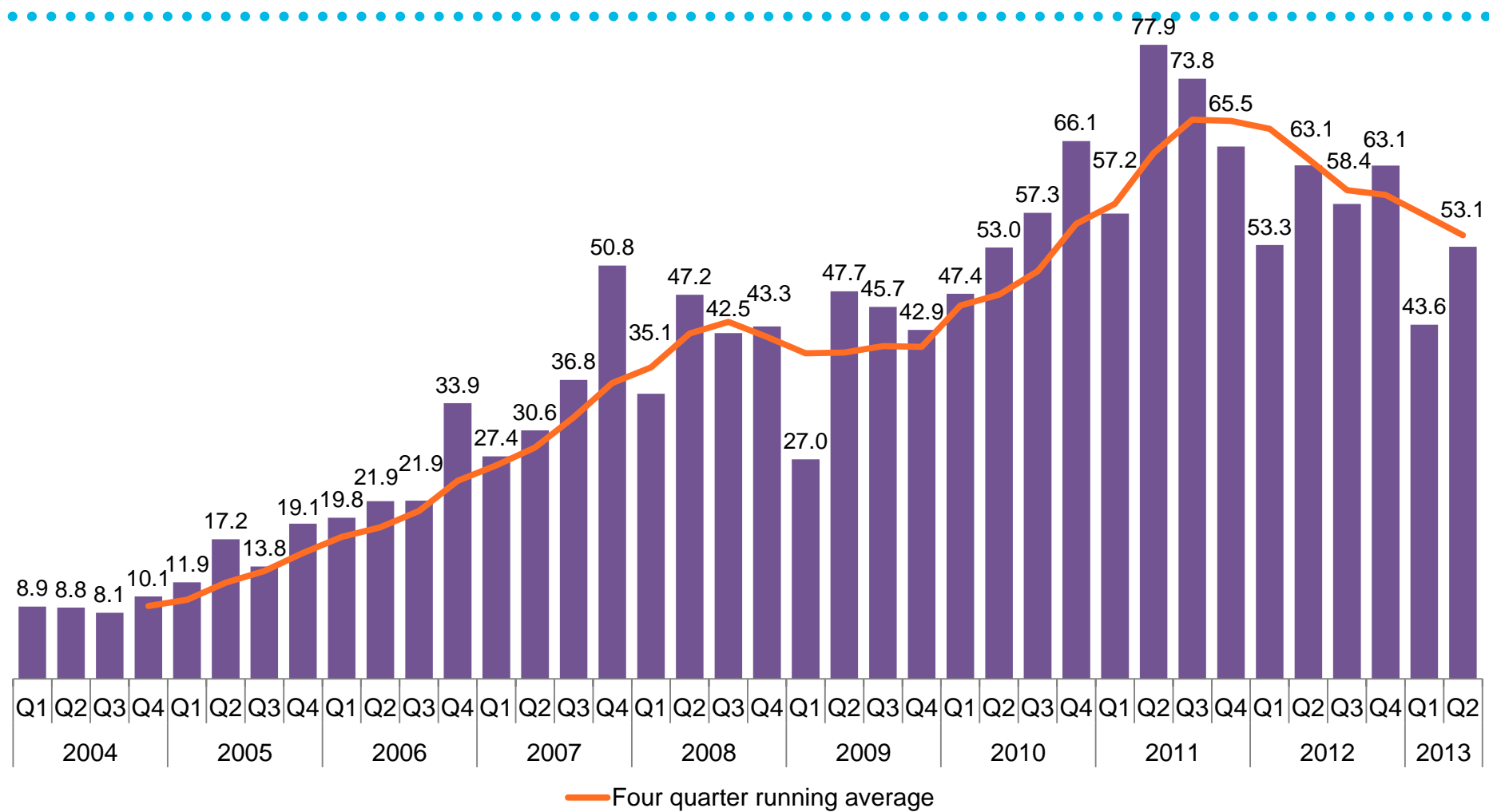


Note: Includes corporate and government R&D, and small distributed capacity. Adjusted for re-invested equity. Does not include proceeds from acquisition transactions

Source: Bloomberg New Energy Finance

NEW INVESTMENT IN CLEAN ENERGY

Q1 2004–Q2 2013 (\$BN)



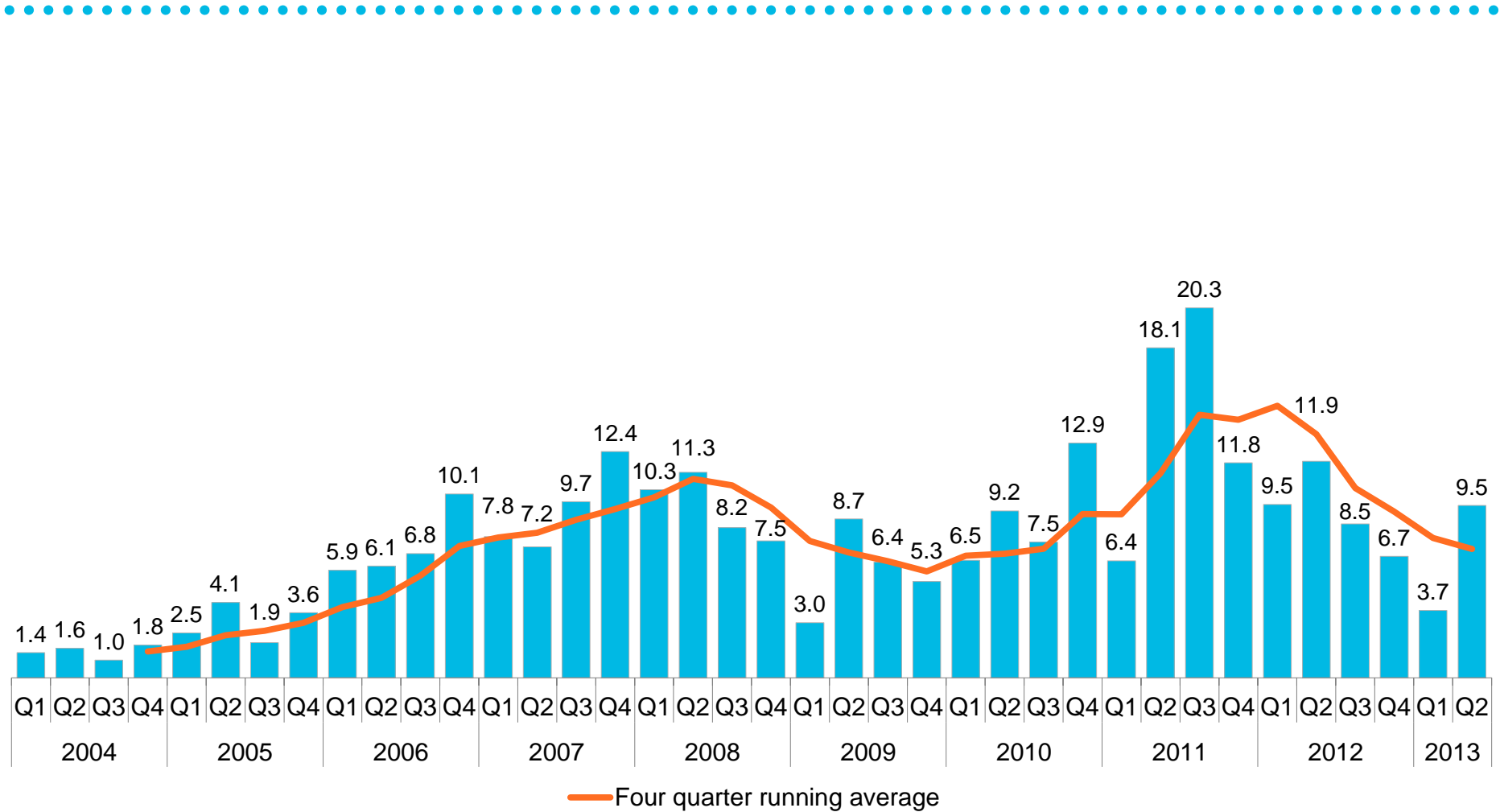
— Four quarter running average

Note: Total values include estimates for undisclosed deals. Excludes corporate R&D, government R&D, digital energy asset investment and energy storage asset investment (only available annually)

Source: Bloomberg New Energy Finance

NEW INVESTMENT IN CLEAN ENERGY IN THE US

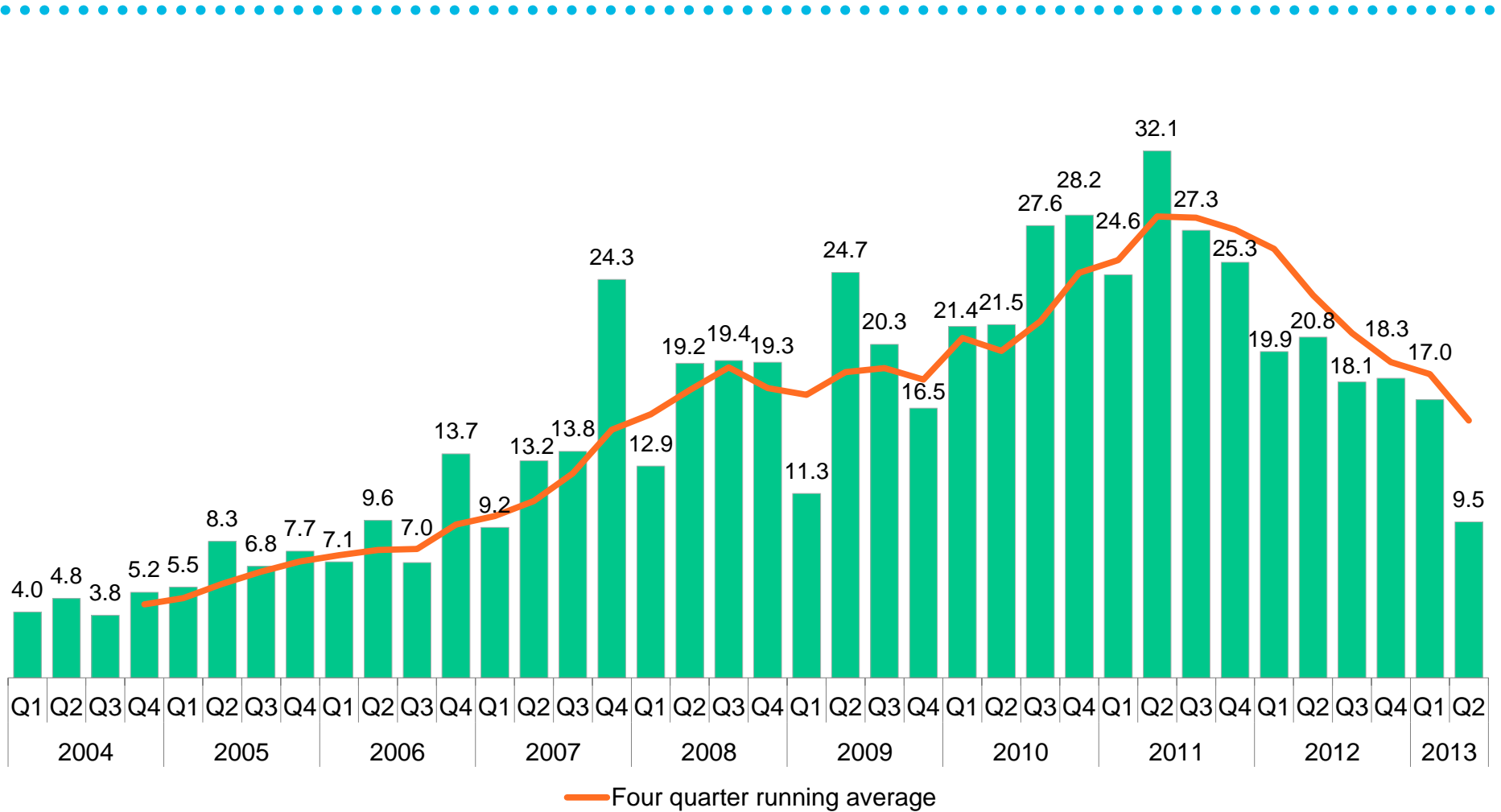
Q1 2004–Q2 2013 (\$BN)



Note: Total values include estimates for undisclosed deals. Excludes corporate R&D, government R&D, digital energy asset investment and energy storage asset investment (only available annually) Source: Bloomberg New Energy Finance

NEW INVESTMENT IN CLEAN ENERGY IN EUROPE

Q1 2004–Q2 2013 (\$BN)

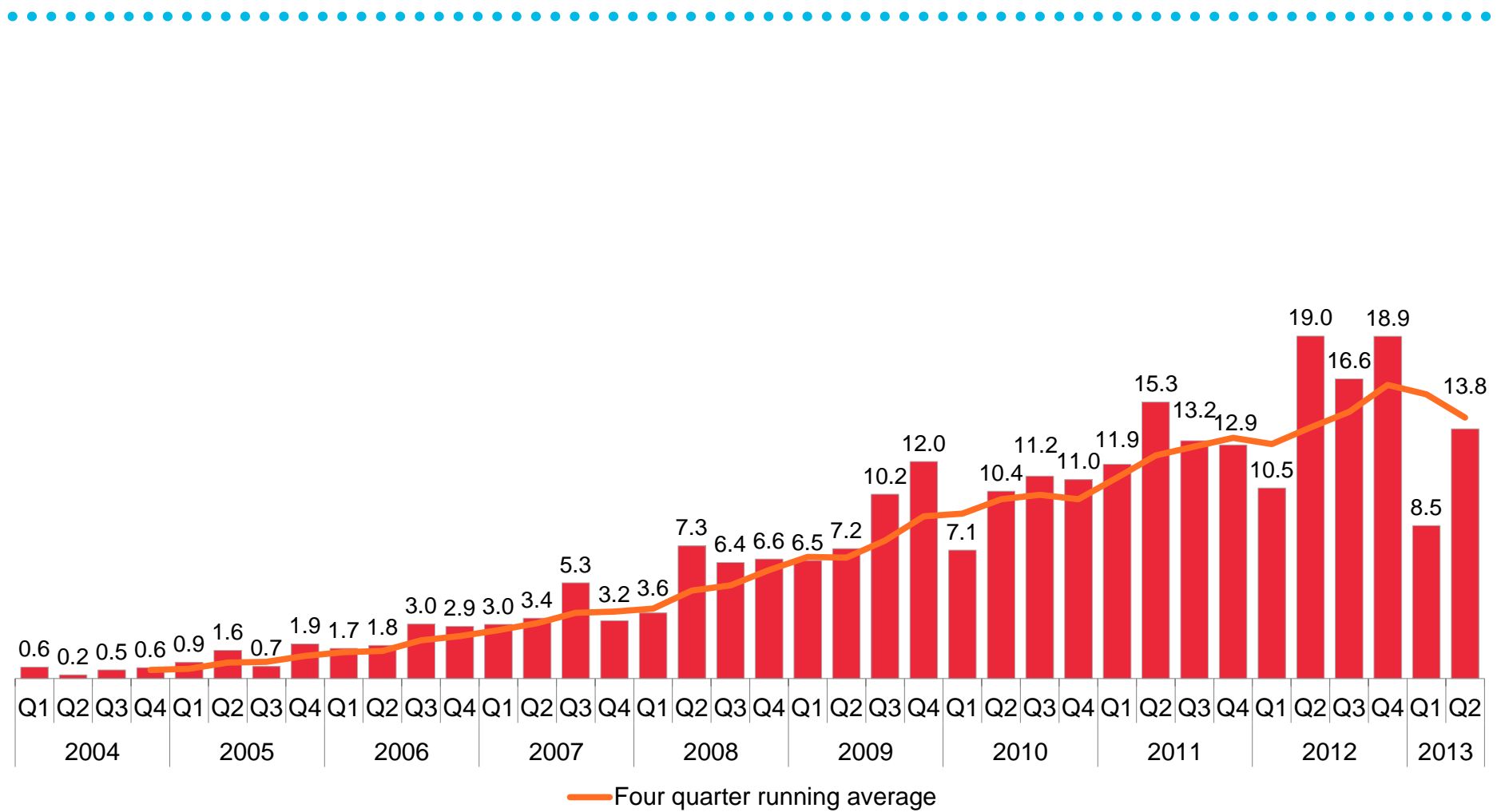


Note: Total values include estimates for undisclosed deals. Excludes corporate R&D, government R&D, digital energy asset investment and energy storage asset investment (only available annually)

Source: Bloomberg New Energy Finance

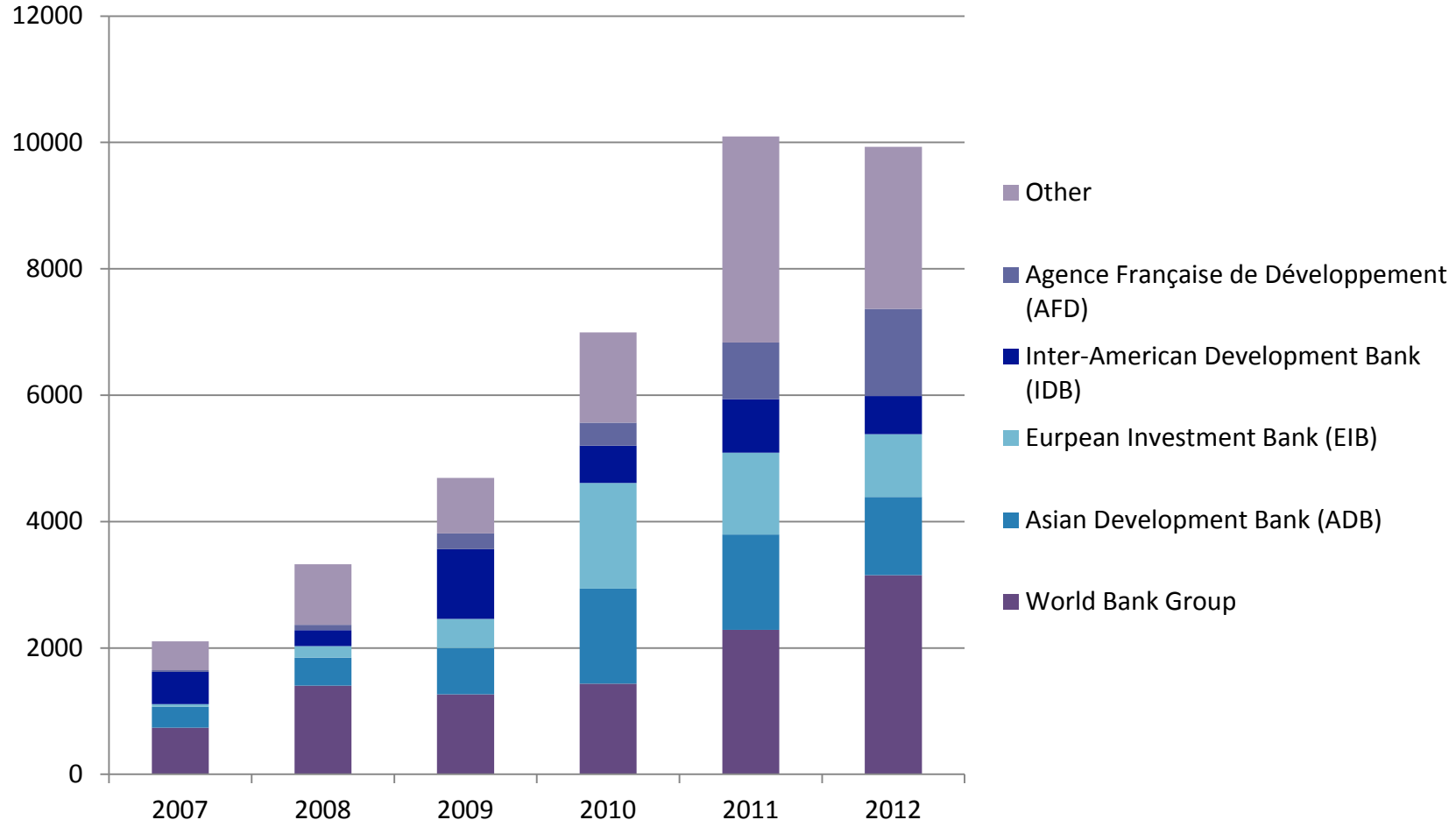
NEW INVESTMENT IN CLEAN ENERGY IN CHINA

Q1 2004–Q2 2013 (\$BN)



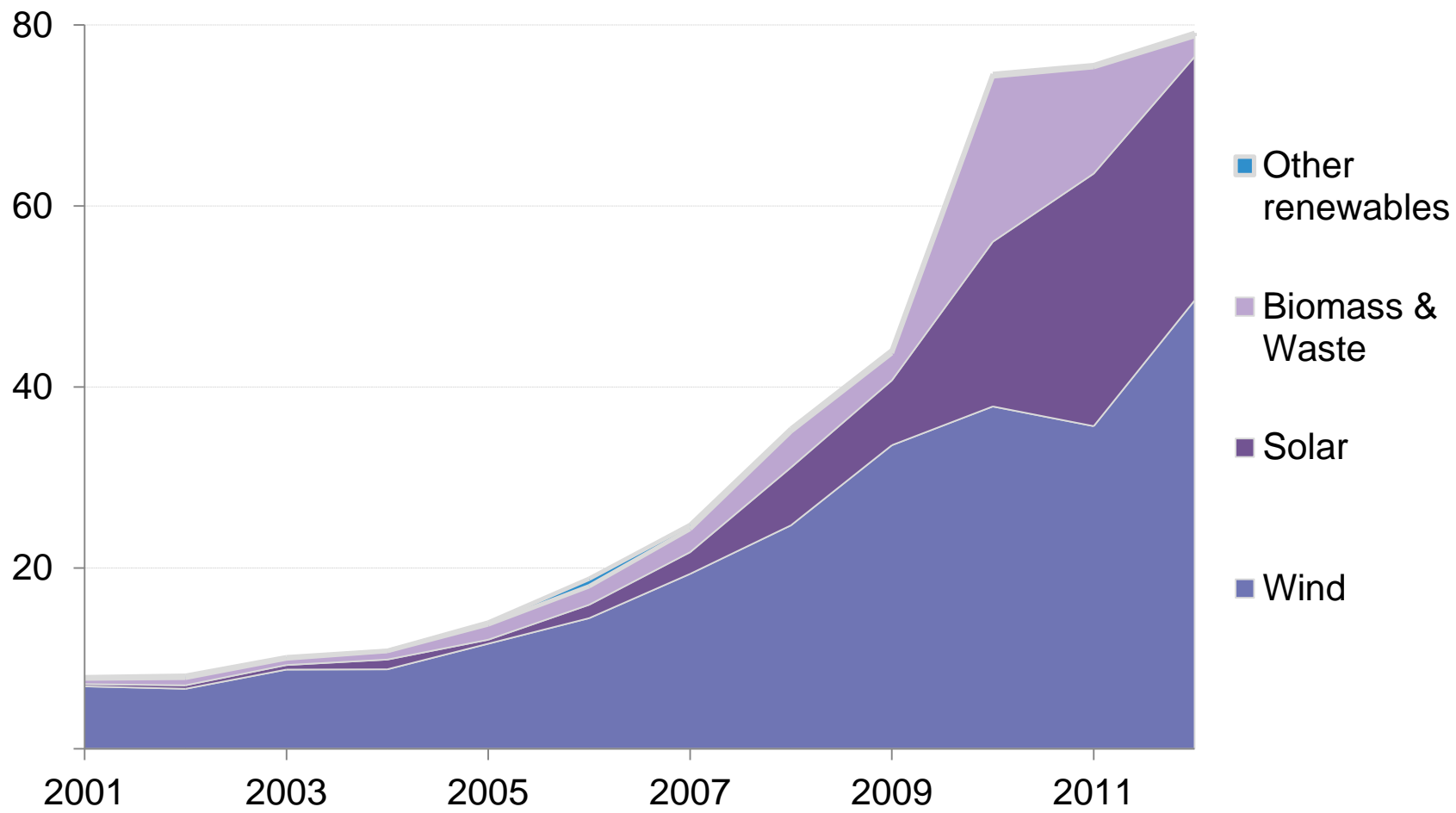
Note: Total values include estimates for undisclosed deals. Excludes corporate R&D, government R&D, digital energy asset investment and energy storage asset investment (only available annually) Source: Bloomberg New Energy Finance

NORTH-SOUTH DEVELOPMENT BANKS CLEAN ENERGY INVESTMENT 2007-2012 (\$M)



Source: Bloomberg New Energy Finance

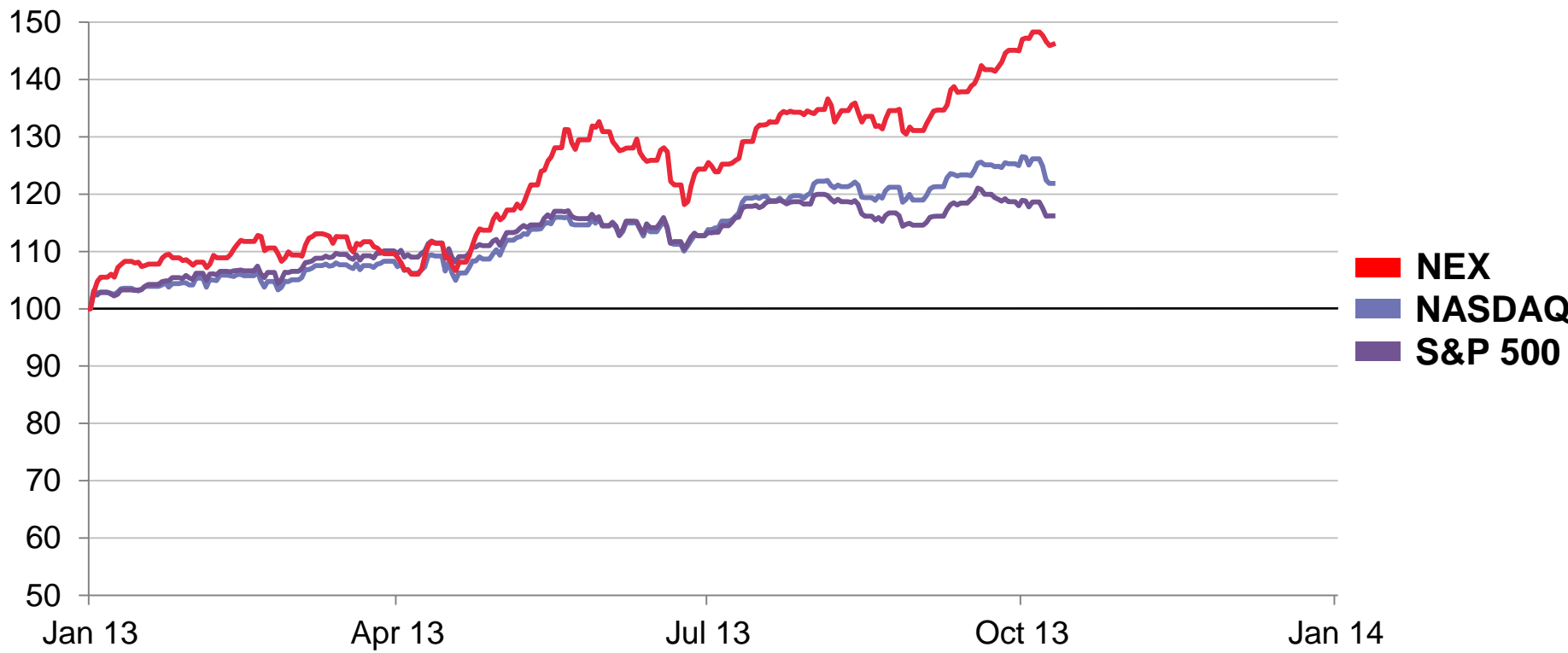
GLOBAL RENEWABLE CAPACITY ADDITIONS, EXCLUDING HYDRO (GW)



Note: "Other renewables" includes marine and geothermal power only.

Source: Bloomberg New Energy Finance

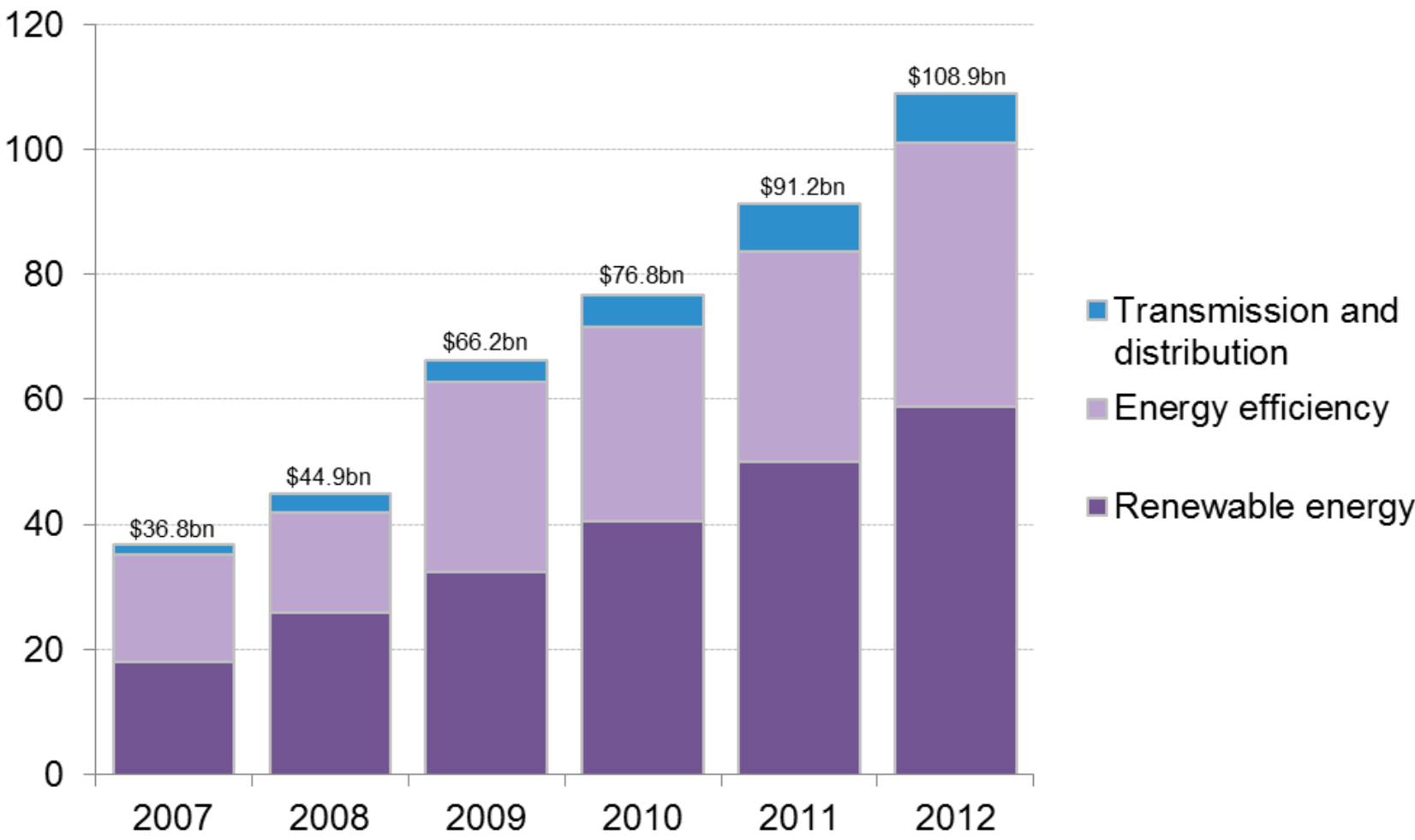
NEX CLEAN ENERGY INDEX 2013 YTD



Source: Bloomberg New Energy Finance

Note: Values as of 10 October 2013; NASDAQ and S&P 500 rebased to 100 on 01 Jan 2013.

DEVELOPMENT BANK BROAD CLEAN ENERGY INVESTMENT (\$BN)



Source: Bloomberg New Energy Finance

COPENHAGEN GGGF OBSERVATIONS

1. Green infrastructure investment works
 - Lots of best practice at the project level
 - Driven by the development banking community
 - Insufficient attention / mechanisms for distributed solutions
2. Cannot finance \$trillion(s) worldwide per year by “building a better biplane”
3. Bring green infrastructure opportunities to mainstream investors
 - Lots of focus on risk mitigation mechanisms
 - Not enough focus on reducing risk in the first place (policy risk)
 - Development finance community needs to be more of an originator, not a balance sheet
4. Bring mainstream investors to green infrastructure
 - Price in externalities (not just carbon!)
 - Eliminate barriers (not just in energy policy)
 - Improve risk understanding

Source: Bloomberg New Energy Finance

FINANCE FOR RESILIENCE

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Resilience

THANK YOU!

MICHAEL LIEBREICH

TWITTER: @MLiebreich

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Water

Nuclear

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info@bnef.com

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