



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance

GLOBAL TRENDS IN RENEWABLE ENERGY INVESTMENT 2015

Chart Pack



UNEP

Bloomberg
NEW ENERGY FINANCE

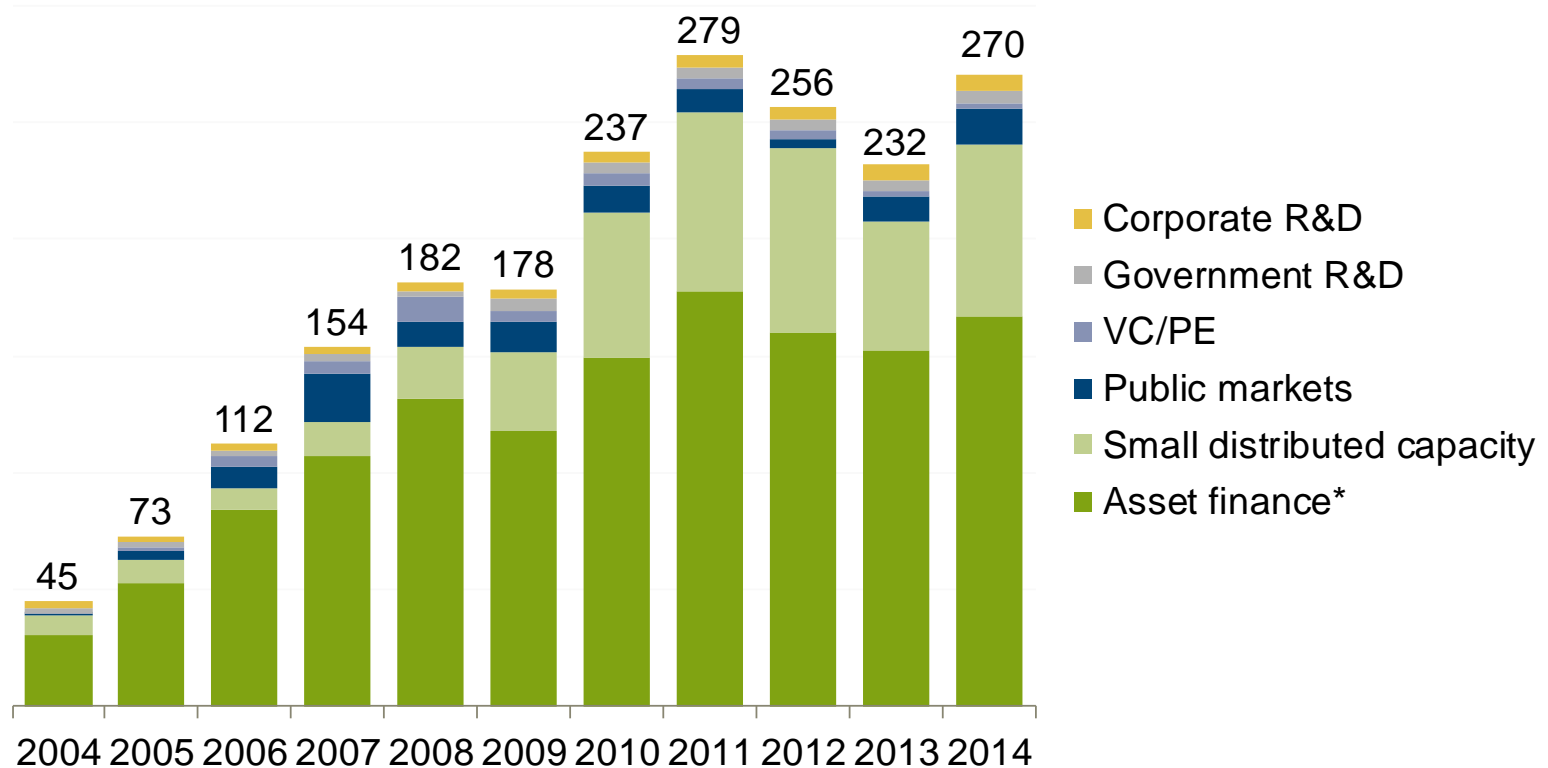
GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY BY ASSET CLASS, 2004–14 (\$BN)



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Growth:

62% 54% 37% 18% -2% 33% 18% -8% -10% 17%



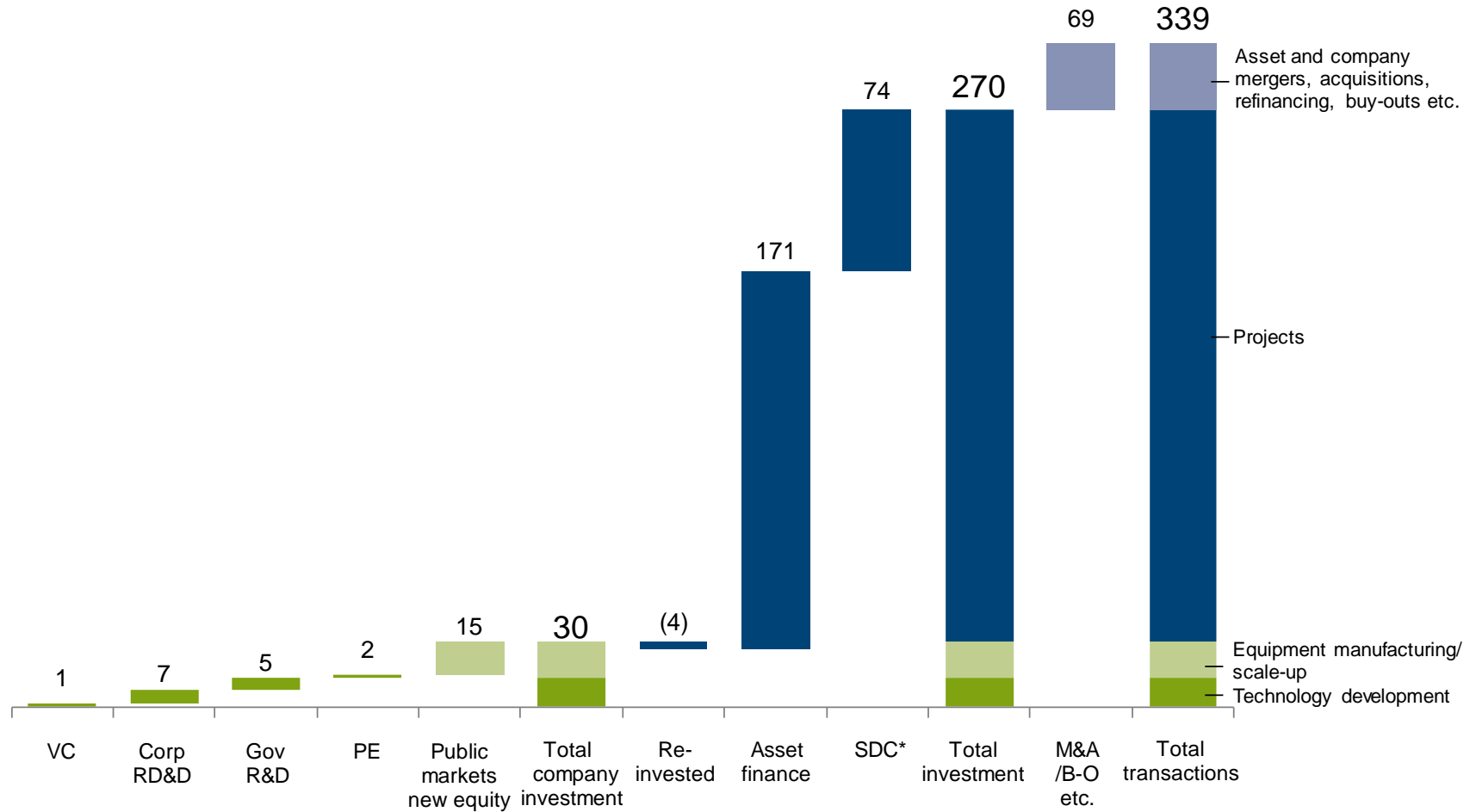
Note: *Asset finance volume adjusts for re-invested equity. Total values include estimates for undisclosed deals

Source: Bloomberg New Energy Finance

GLOBAL TRANSACTIONS IN RENEWABLE ENERGY, 2014 (\$BN)



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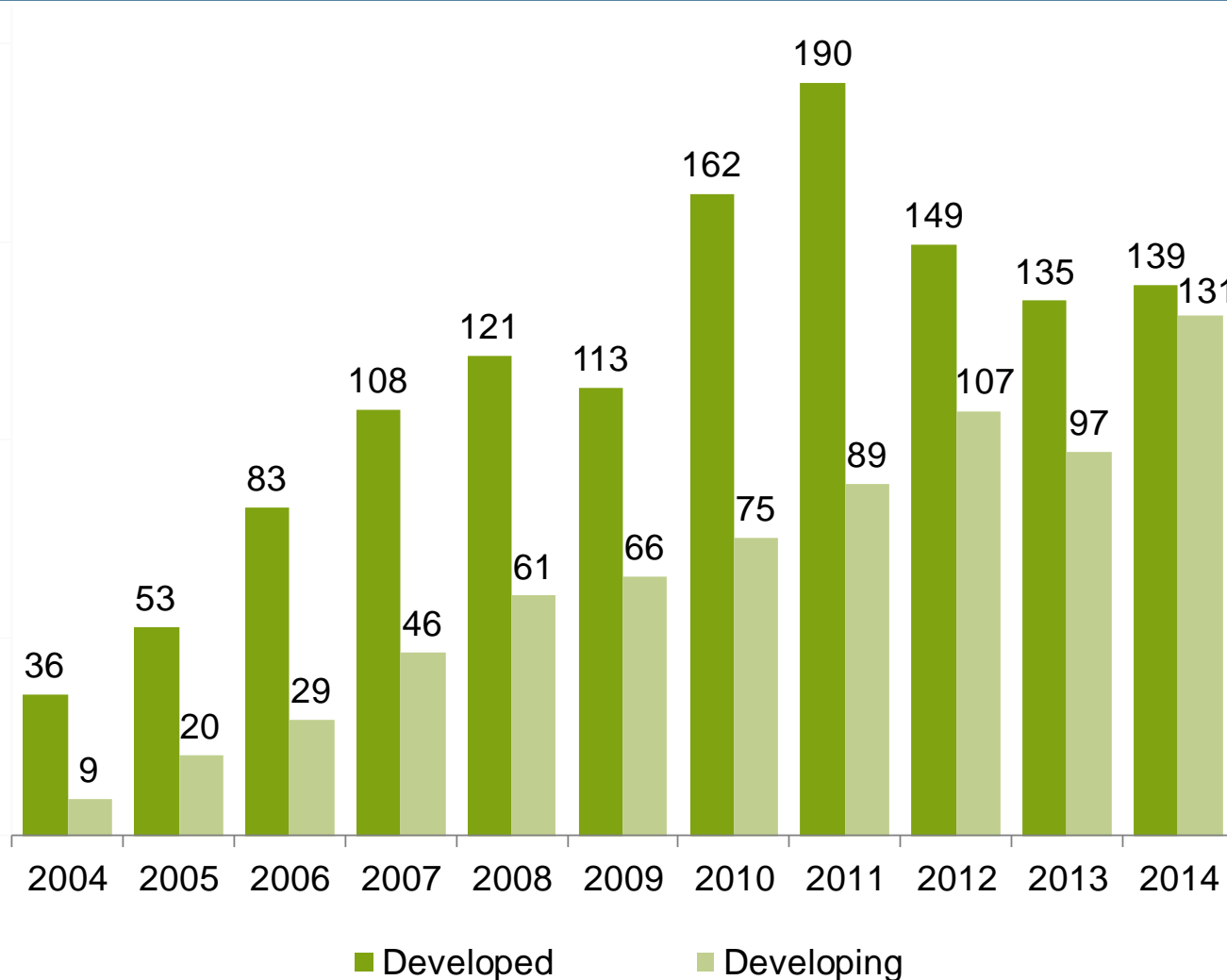
Note: SDC = small distributed capacity. Total values include estimates for undisclosed deals. Figures may not add up exactly to totals, due to rounding.

Source: Bloomberg New Energy Finance; UNEP

GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY: DEVELOPED VS. DEVELOPING, 2004–14(\$BN)



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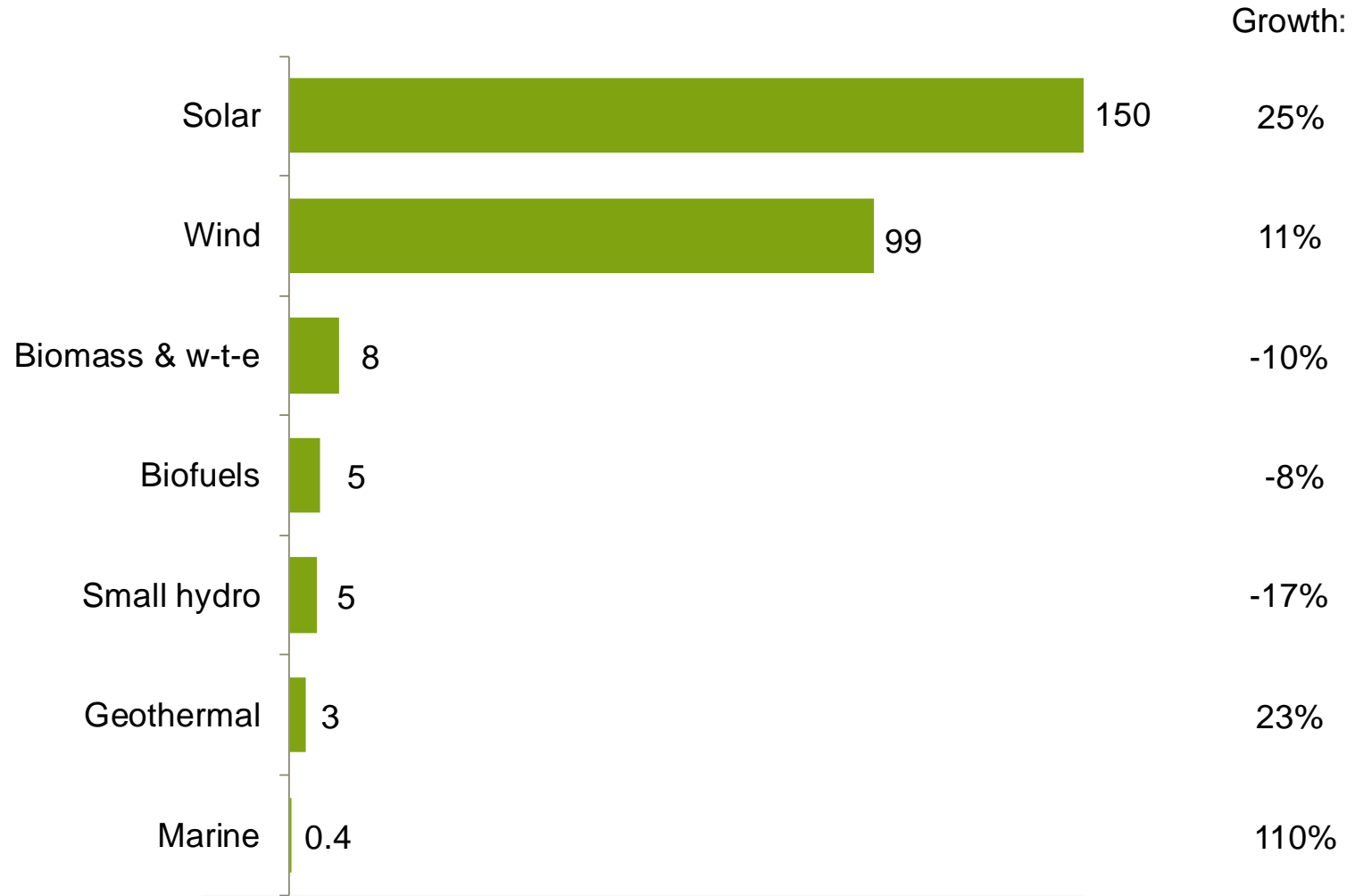
Note: New investment volume adjusts for re-invested equity. Total values include estimates for undisclosed deals. Developed volumes are based on OECD countries excluding Mexico, Chile, and Turkey.

Source: Bloomberg New Energy Finance; UNEP

GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY BY SECTOR, 2014 AND GROWTH ON 2013 (\$BN)



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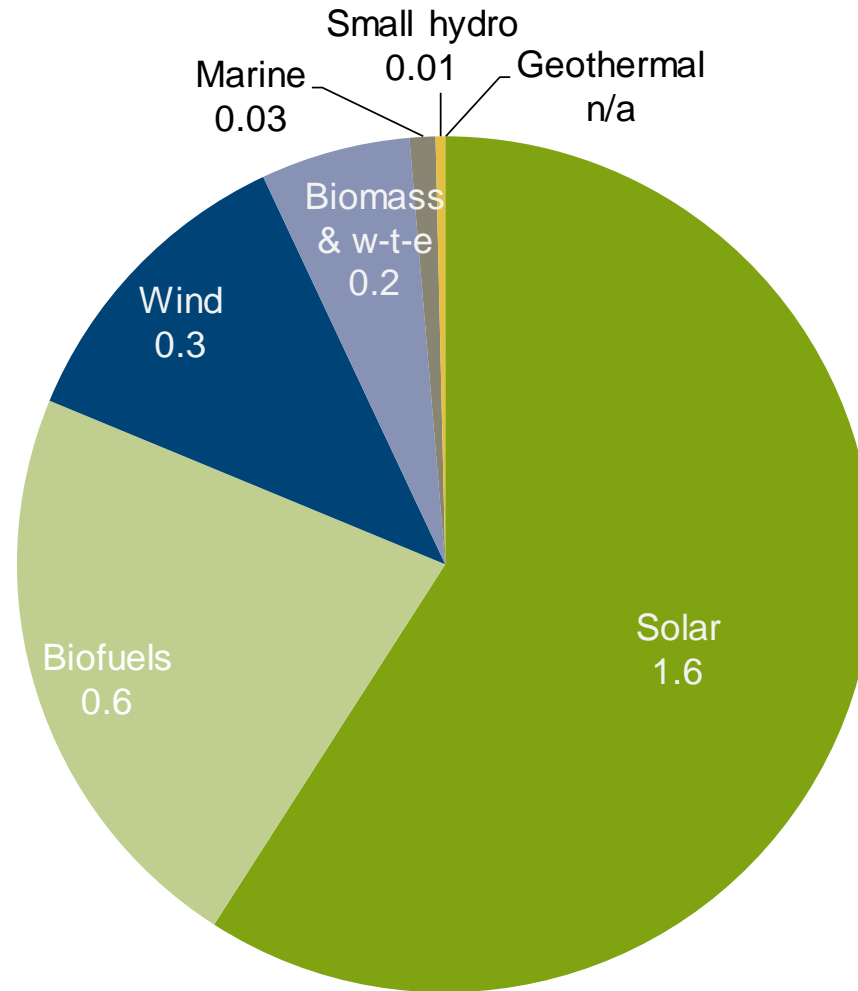
Note: New investment volume adjusts for re-invested equity. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance;
UNEP

VC/PE NEW INVESTMENT IN RENEWABLE ENERGY BY SECTOR, 2014 (\$BN)



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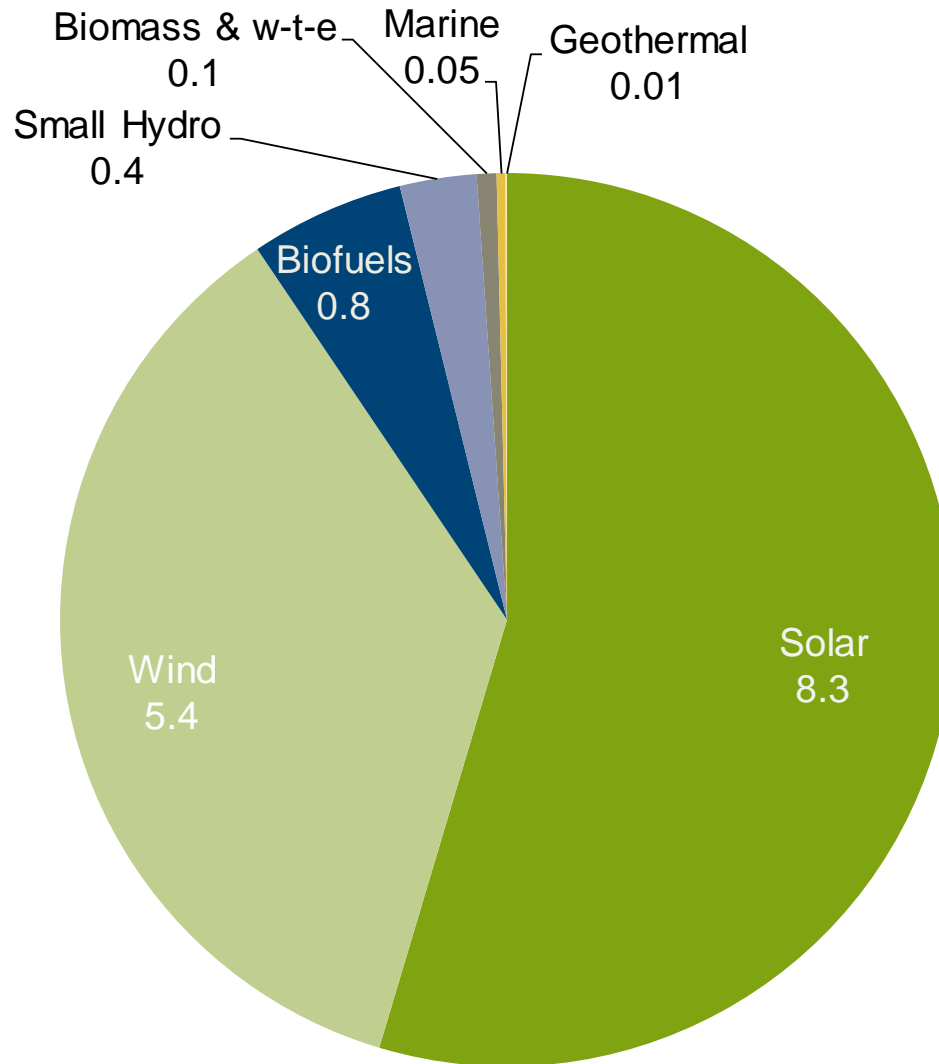
Note: VC/PE new investment excludes PE buy-outs. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance;
UNEP

PUBLIC MARKETS NEW INVESTMENT IN RENEWABLE ENERGY BY SECTOR, 2014 (\$BN)



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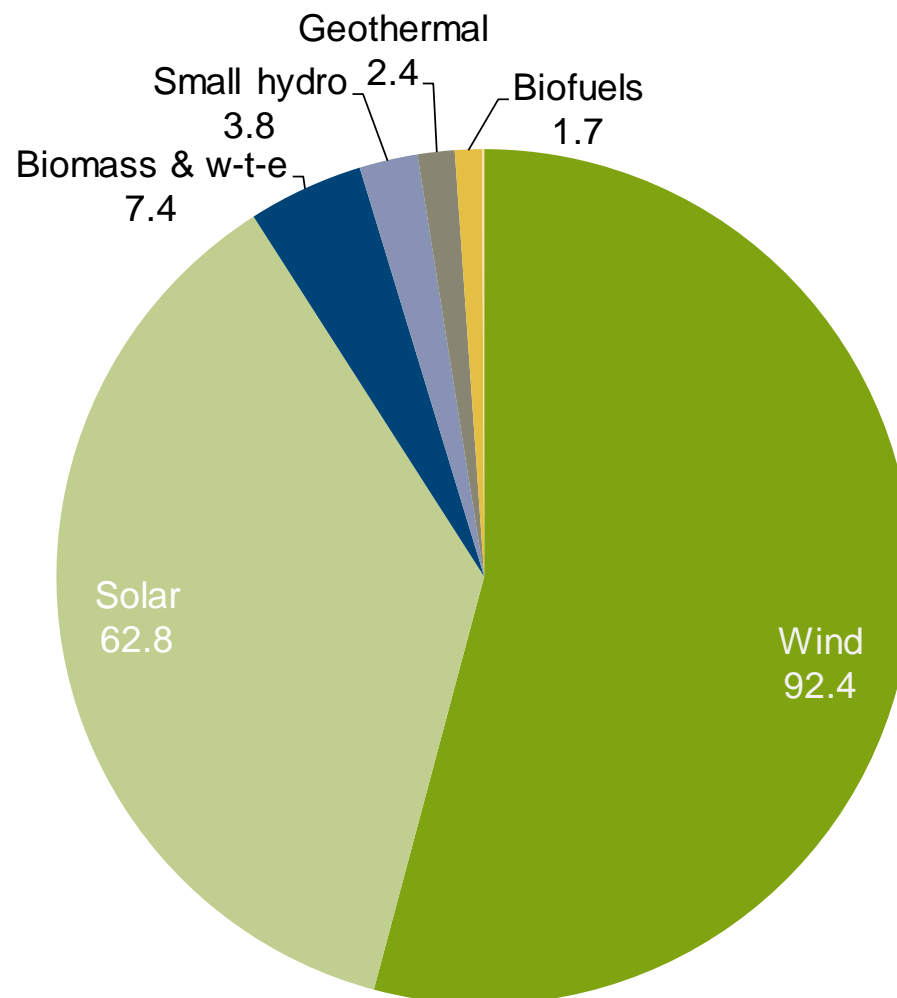


Source: Bloomberg New Energy Finance;
UNEP

ASSET FINANCE OF NEW-BUILD RENEWABLE ENERGY ASSETS BY SECTOR, 2014 (\$BN)



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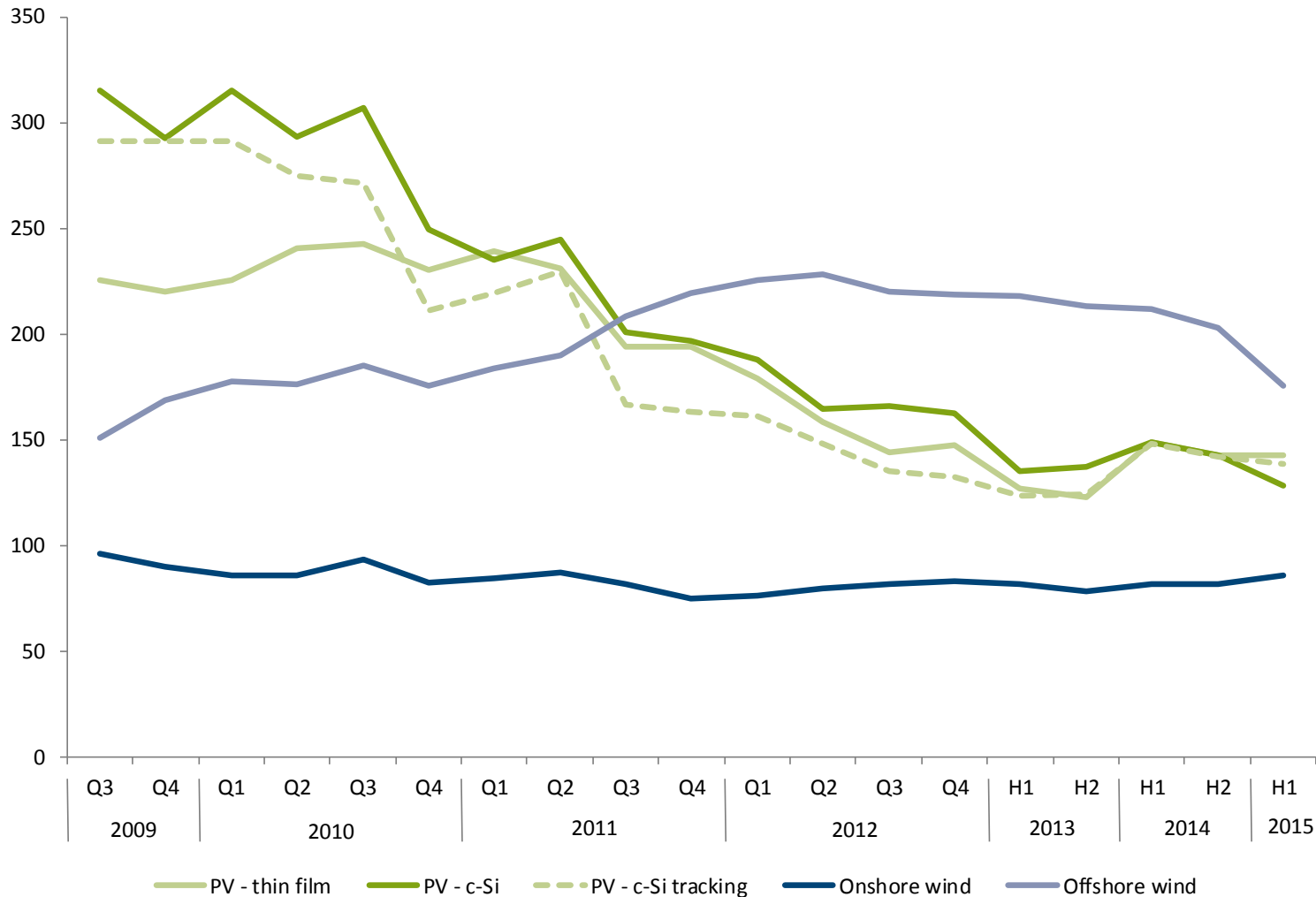
Note: Small distributed solar is not included under asset finance. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance;
UNEP

GLOBAL AVERAGE LEVELISED COST OF ELECTRICITY FOR WIND AND PV, Q3 2009 TO H1 2015, \$ PER MWH



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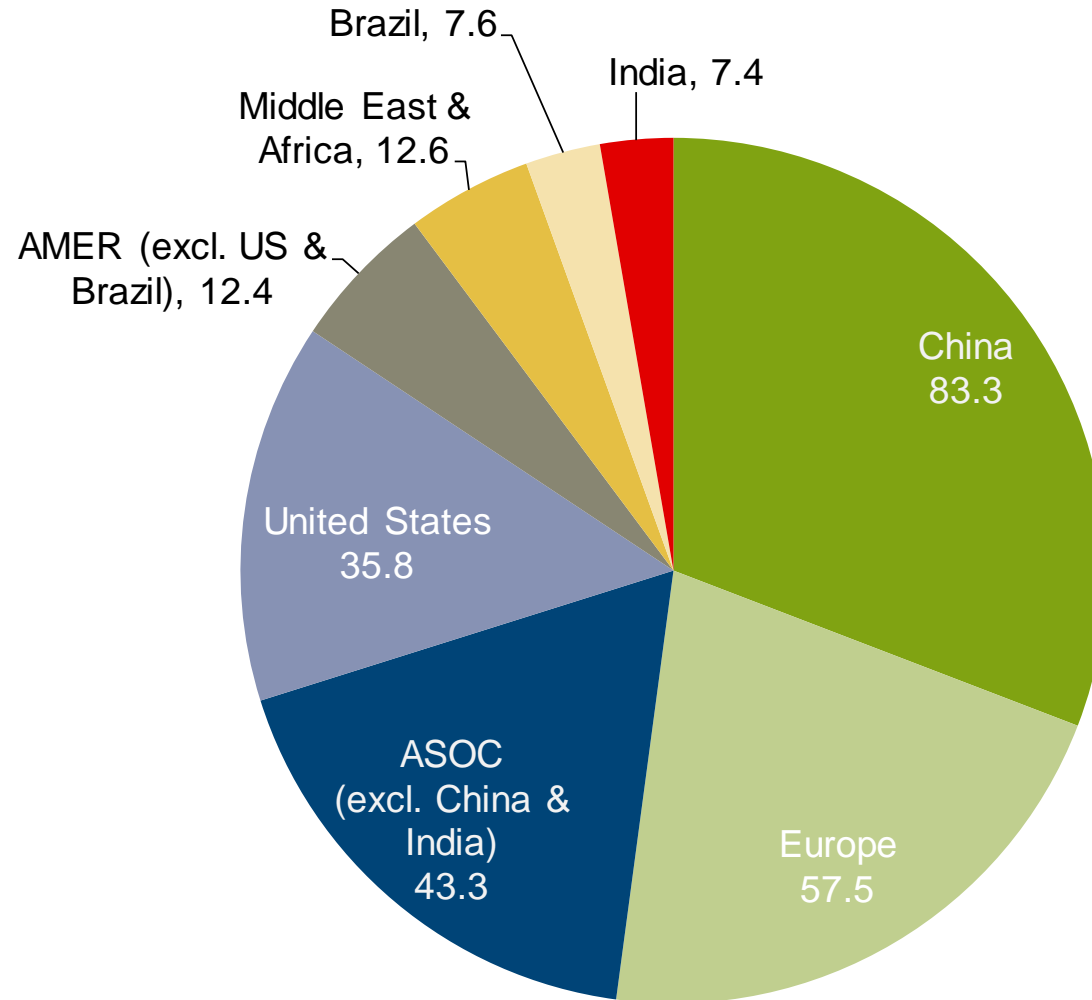
Note: PV-c-Si stands for crystalline silicon photovoltaics

Source: Bloomberg New Energy Finance

GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY BY REGION, 2014 (\$BN)



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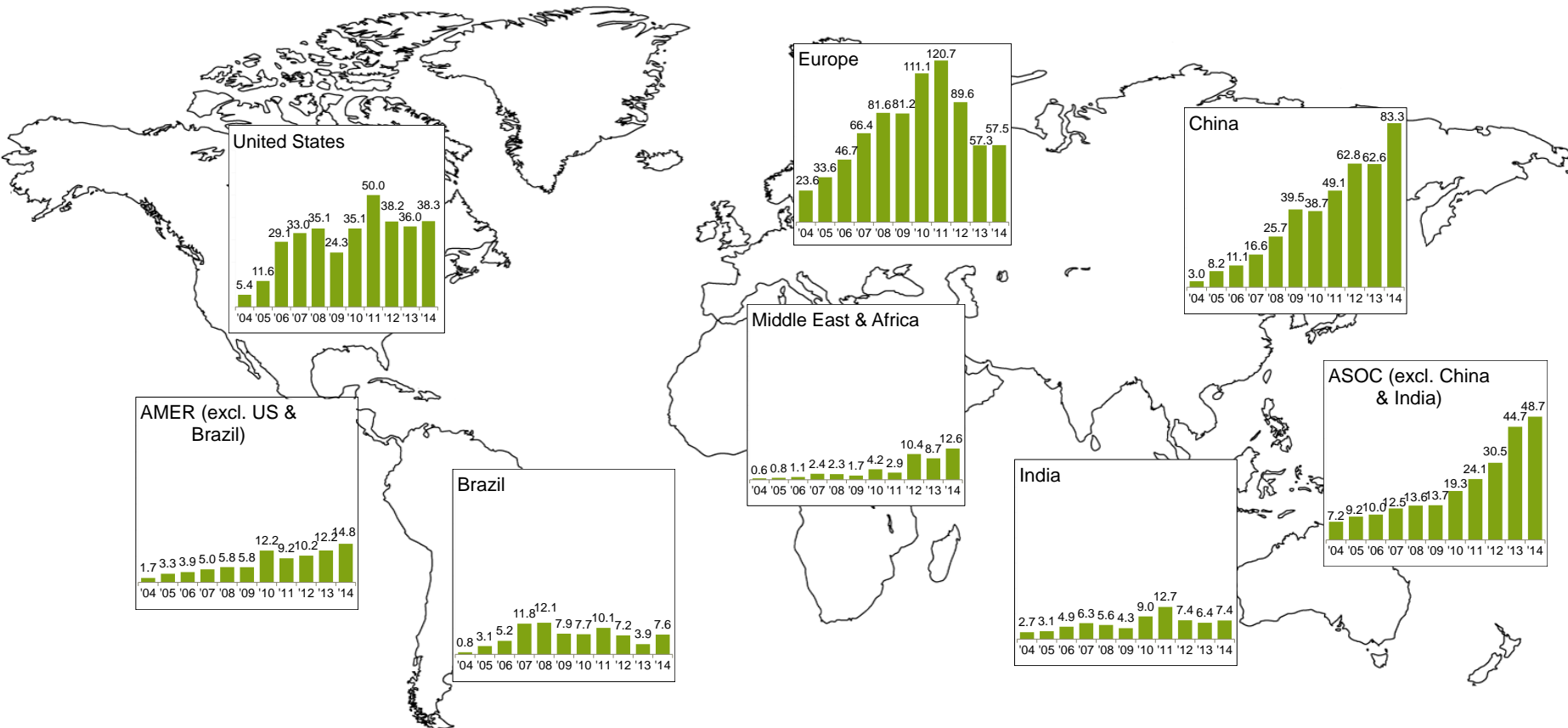


Source: Bloomberg New Energy Finance;
UNEP

GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY BY REGION, 2004–14 (\$BN)



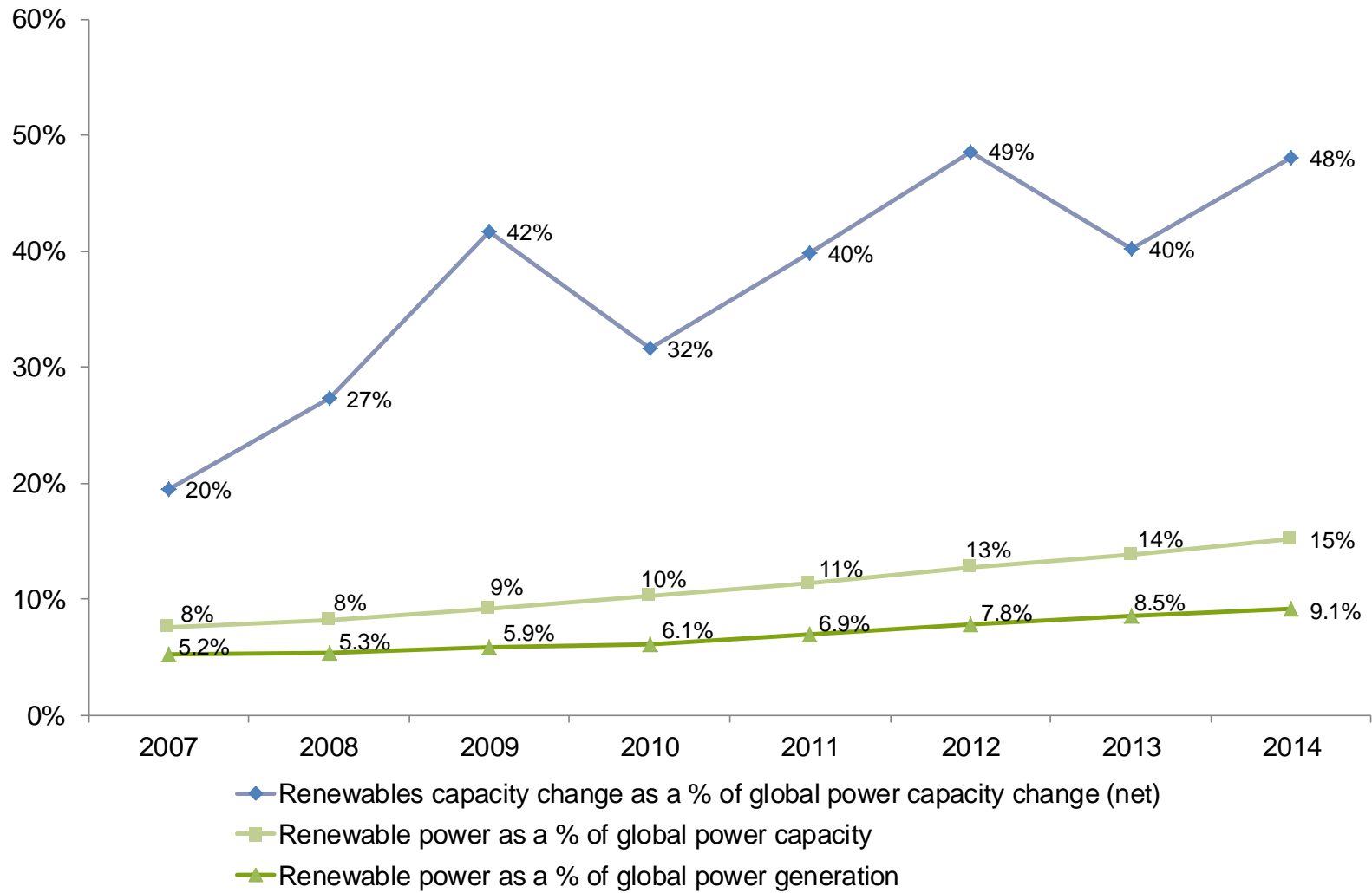
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Note: New investment volume adjusts for re-invested equity. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance; UNEP

RENEWABLE POWER GENERATION AND CAPACITY AS A PROPORTION OF GLOBAL POWER, 2007–14 (%)



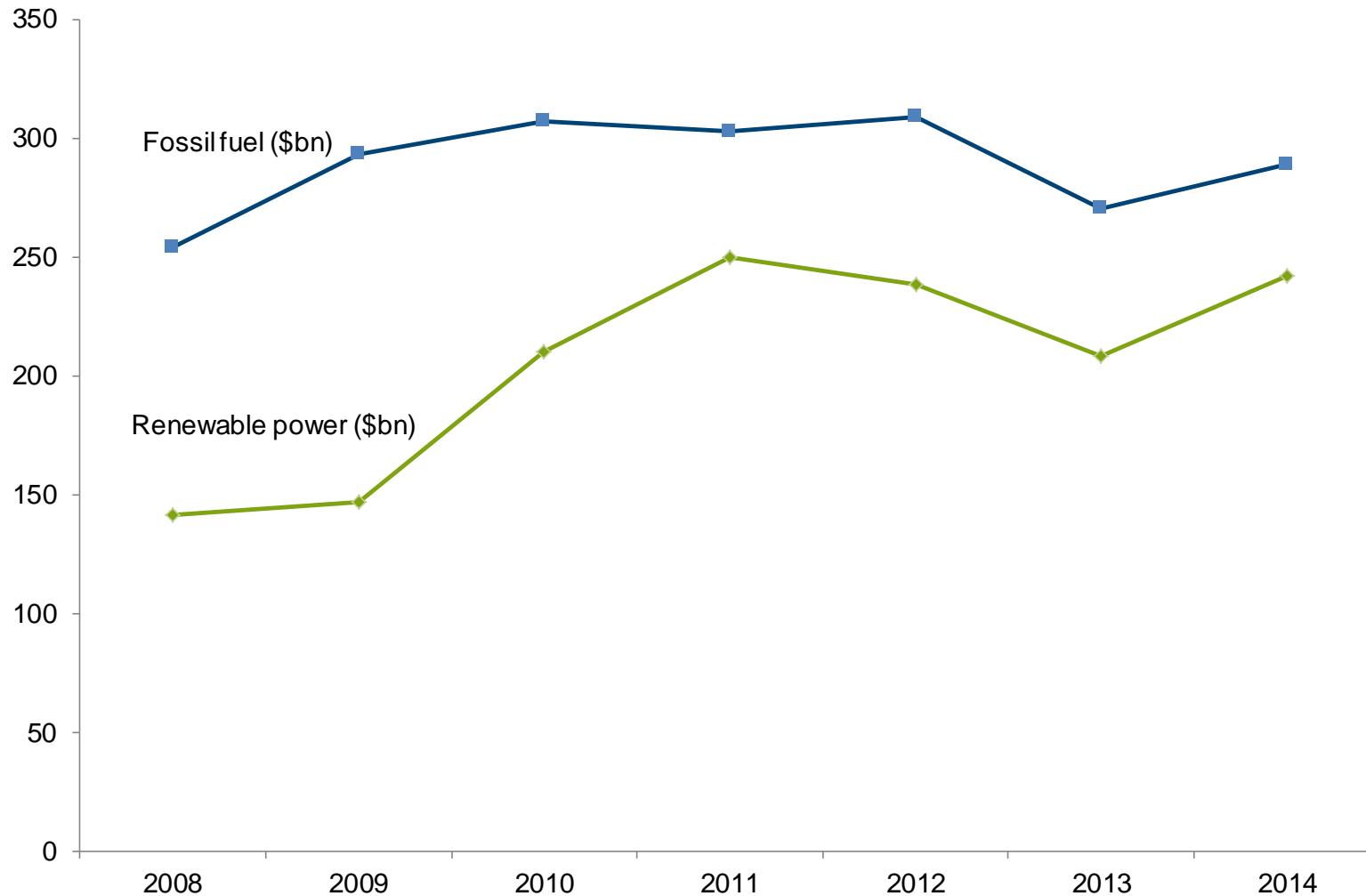
Note: Renewable power excludes large hydro.

Source: Bloomberg New Energy Finance, EIA, IEA, UNEP

RENEWABLE POWER INVESTMENT VERSUS GROSS FOSSIL-FUEL POWER INVESTMENT, 2008-14 (\$BN)



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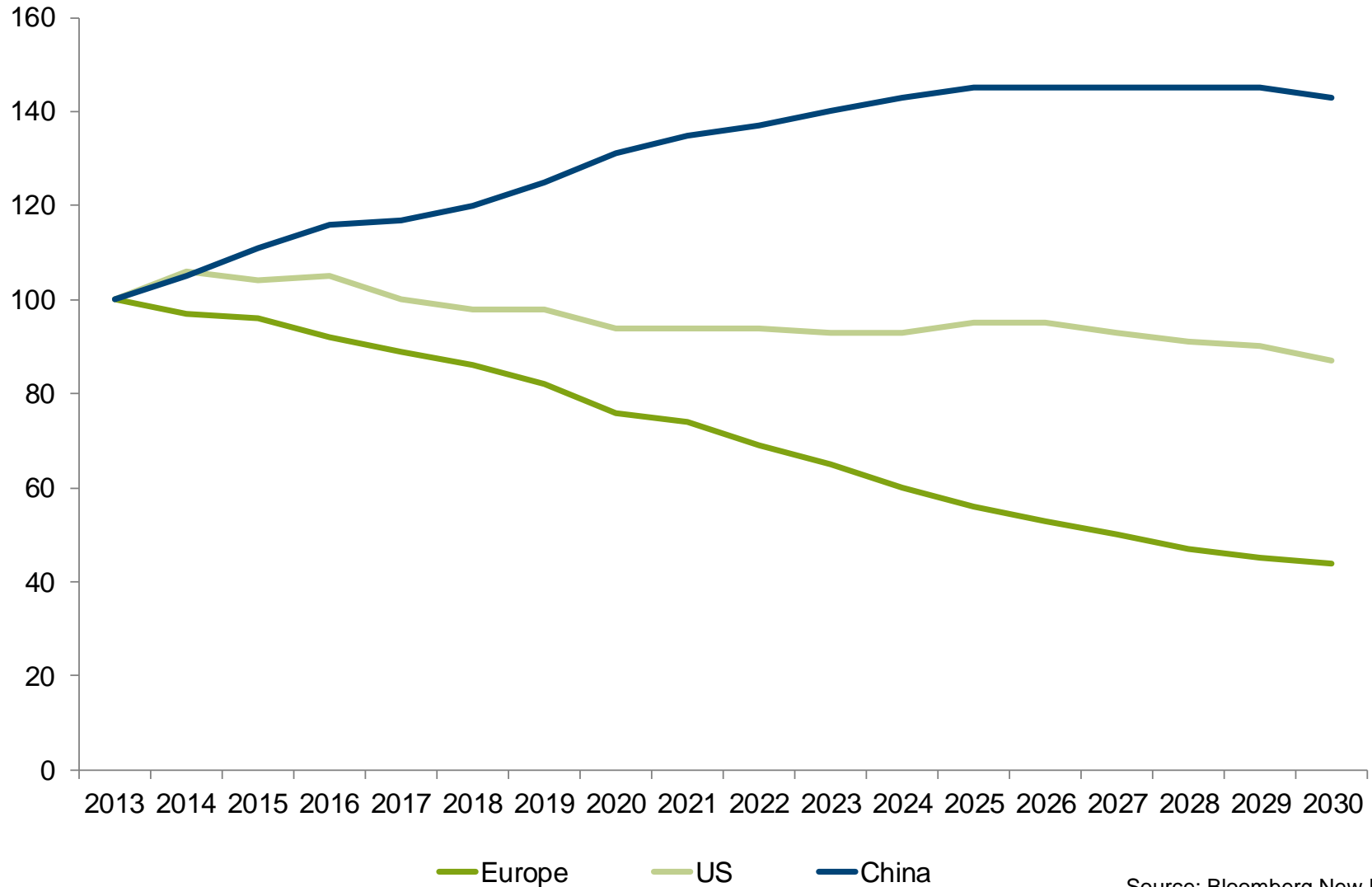
Note: Renewables figure excludes large hydro.

Source: Bloomberg New Energy Finance

INDEXED POWER SECTOR CO2 EMISSIONS, 2013-30, MILLION TONNES OF CO2



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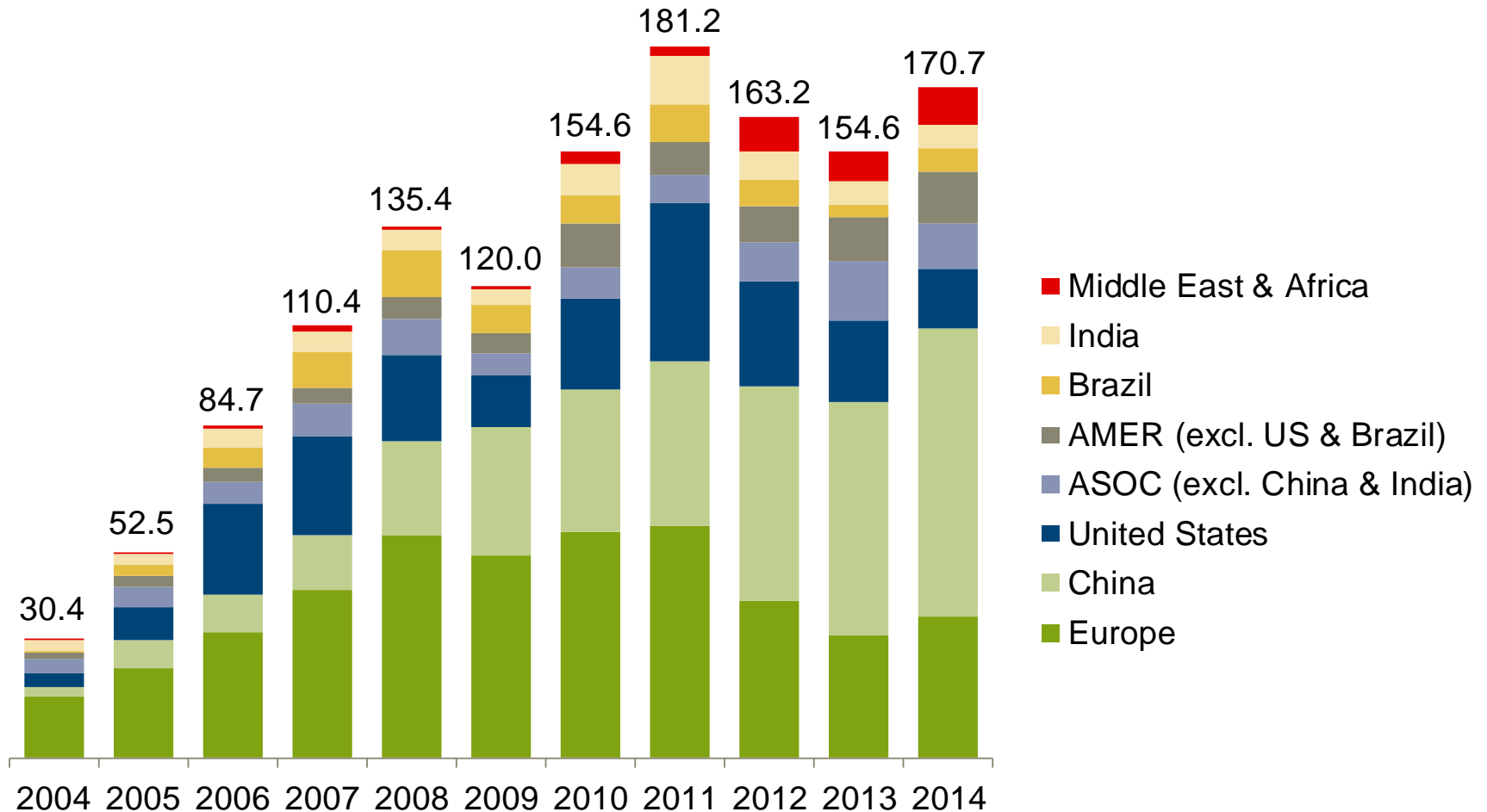


Source: Bloomberg New Energy Finance

ASSET FINANCE NEW INVESTMENT IN RENEWABLE ENERGY BY REGION, 2004–14 (\$BN)



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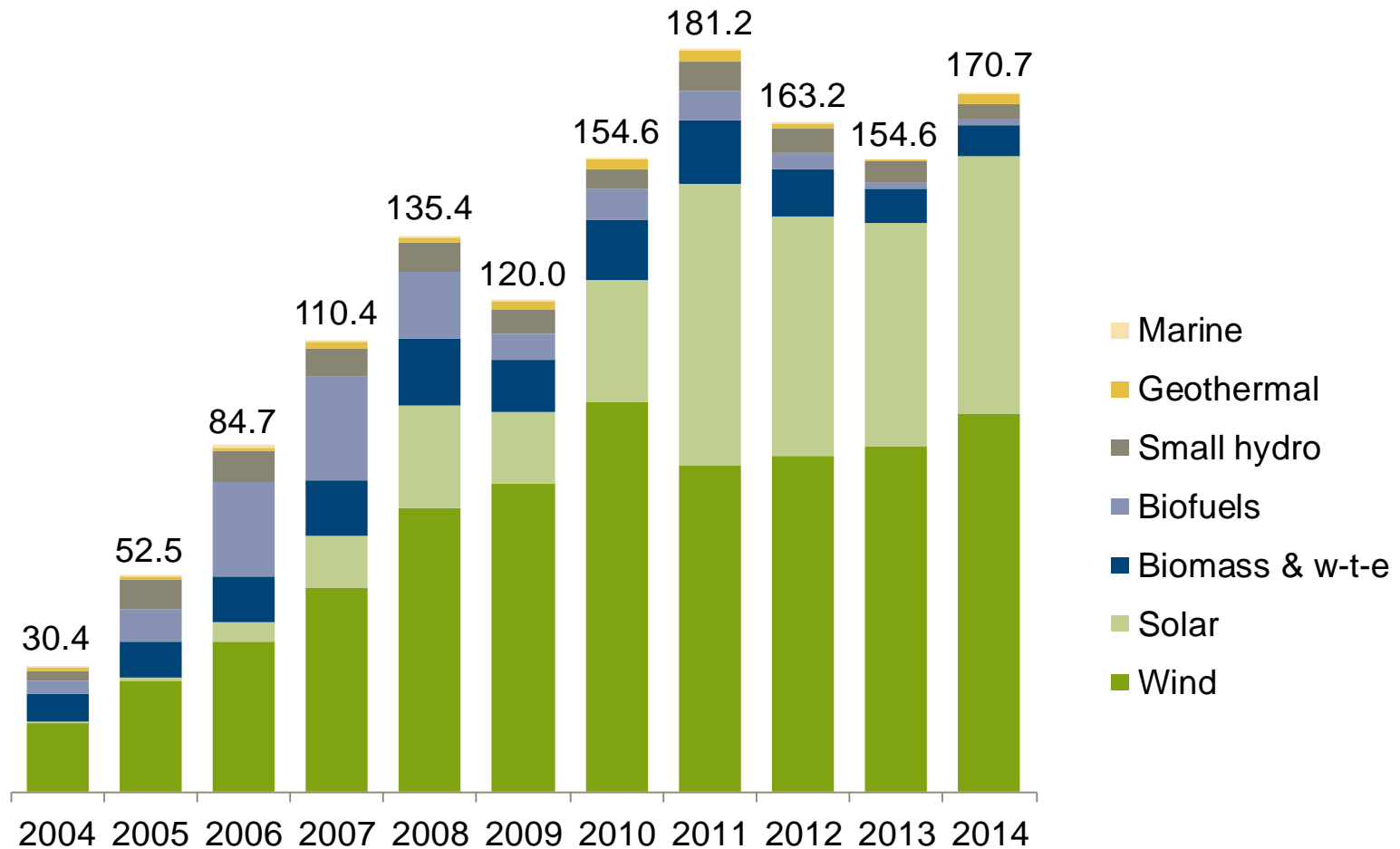
Note: Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance; UNEP

ASSET FINANCE NEW INVESTMENT IN RENEWABLE ENERGY BY SECTOR, 2004–14 (\$BN)



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Note: Total values include estimates for undisclosed deals.

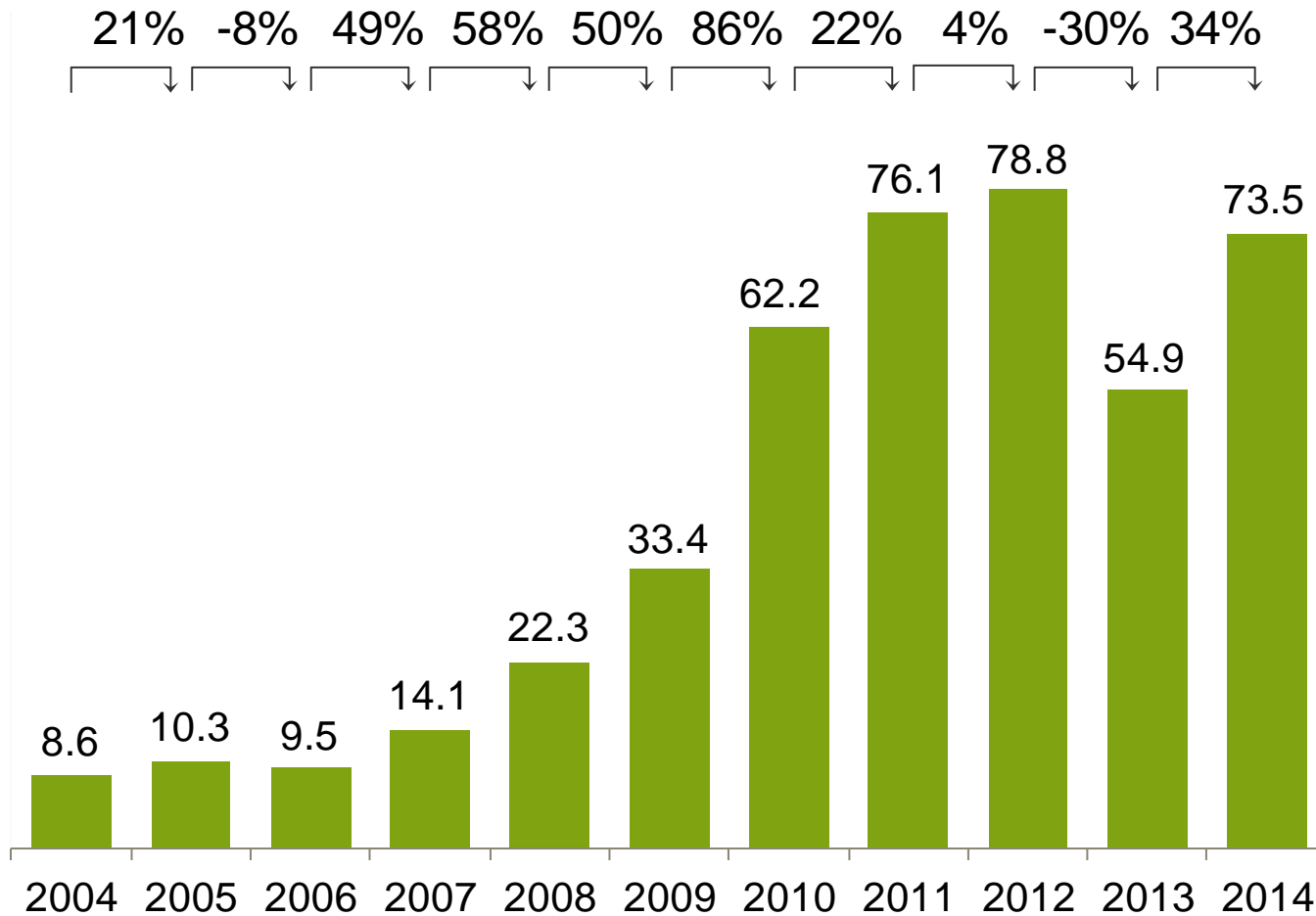
Source: Bloomberg New Energy Finance; UNEP

SMALL DISTRIBUTED CAPACITY INVESTMENT, 2004–14 (\$BN)



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Growth:



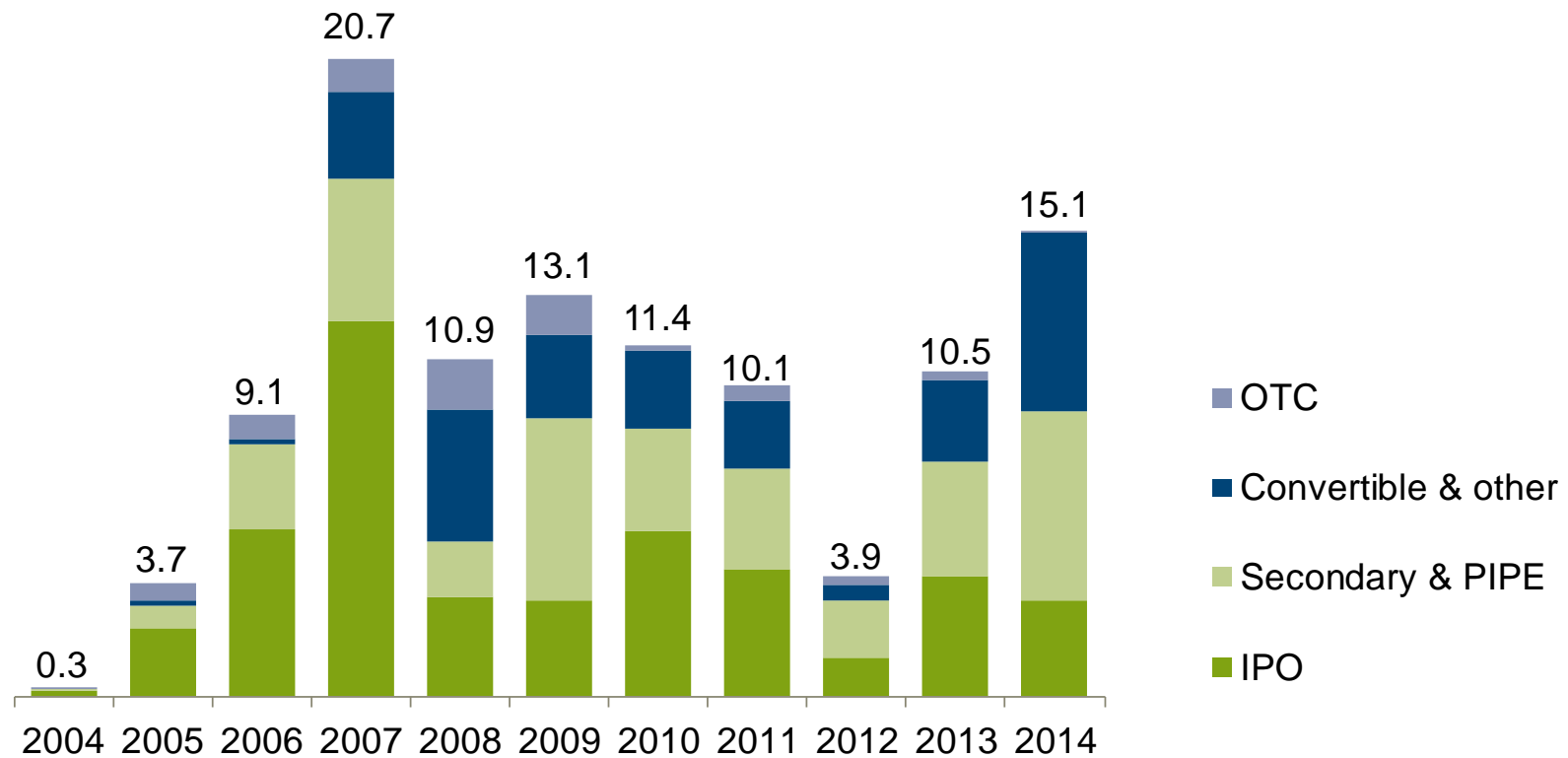
Note: Represents investments in solar PV projects with capacities below 1MW.

Source: Bloomberg New Energy Finance,
various industry sources

PUBLIC MARKET NEW INVESTMENT IN RENEWABLE ENERGY BY STAGE, 2004–14 (\$BN)



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Note: PIPE = private investment in public equity, OTC = over-the-counter

Source: Bloomberg New Energy Finance; UNEP

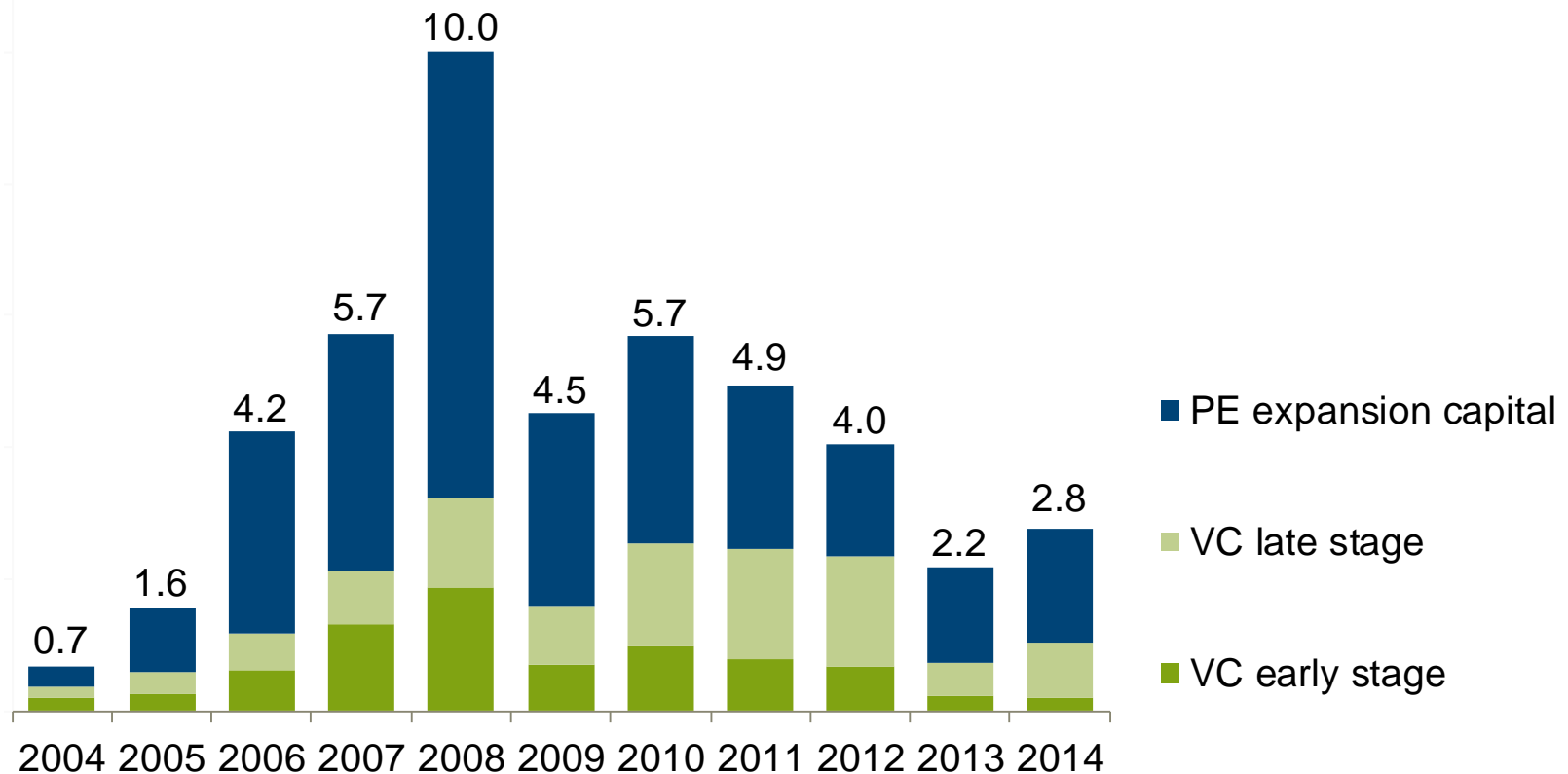
VC/PE NEW INVESTMENT IN RENEWABLE ENERGY BY STAGE, 2004–14 (\$BN)



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Growth:

130% 171% 35% 75% -55% 26% -13% -18% -46% 27%



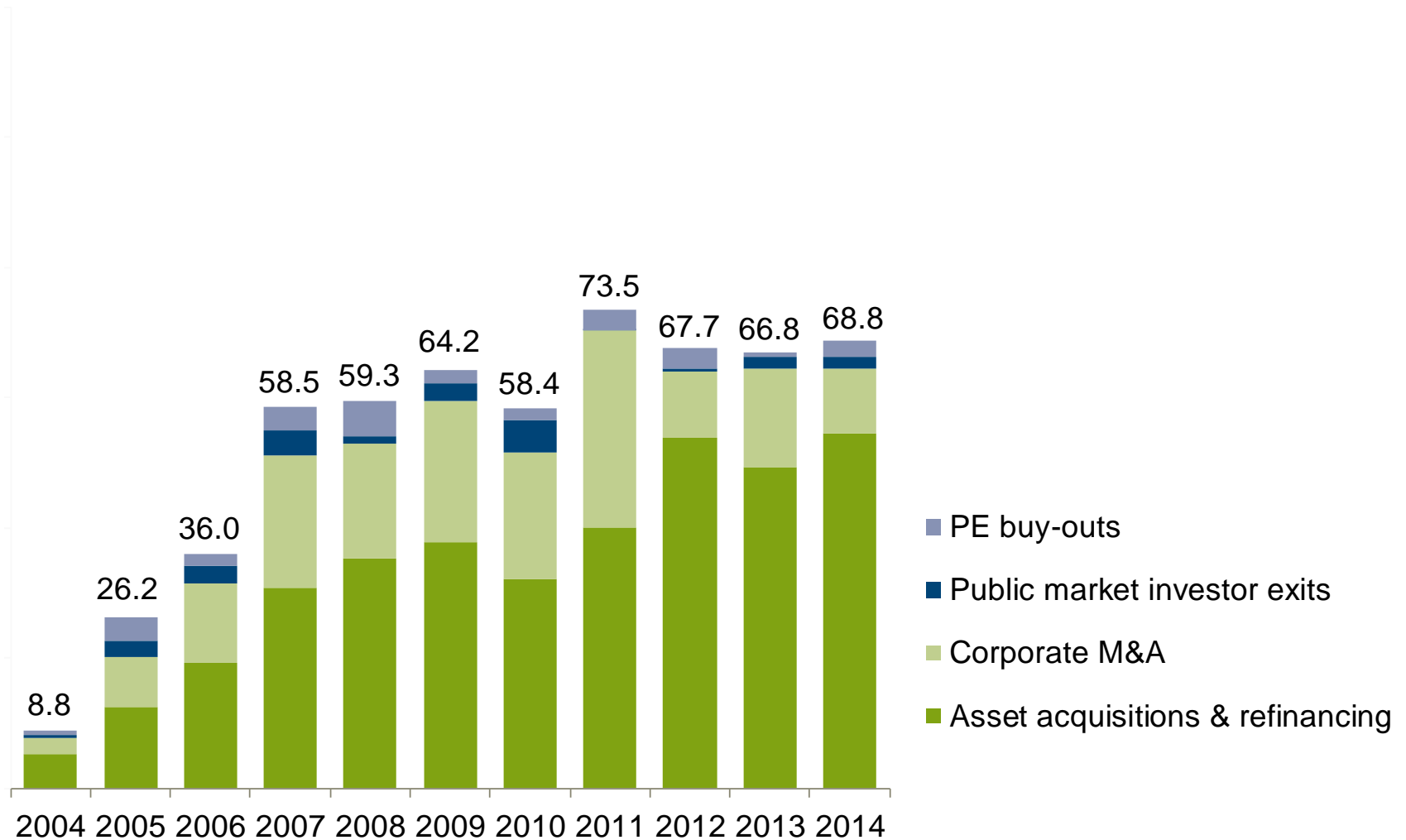
Note: Buy-outs are not included as new investment. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance; UNEP

ACQUISITION TRANSACTIONS IN RENEWABLE ENERGY BY TYPE, 2004–14 (\$BN)



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Note: Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance

For more information, contact:

Frankfurt School – UNEP
Collaborating Centre for Climate &
Sustainable Energy Finance

Frankfurt School of Finance & Management
Sonnemannstrasse 9-1 1
60314 Frankfurt/ Main
Germany

Tel: +49 69 154008-647
E-mail: unep@fs.de

www.unep.fr/energy/finance
www.fs-unep-centre.org

Bloomberg New Energy Finance
Bloomberg LP
City Gate House
39-45 Finsbury Square
London EC2A 1PQ
email: info@bnef.com
www.bnef.com



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