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FS-UNEP Collaborating Centre  
for Climate & Sustainable Energy Finance

# GLOBAL TRENDS IN RENEWABLE ENERGY INVESTMENT 2016

Chart Pack



**Bloomberg**  
NEW ENERGY FINANCE

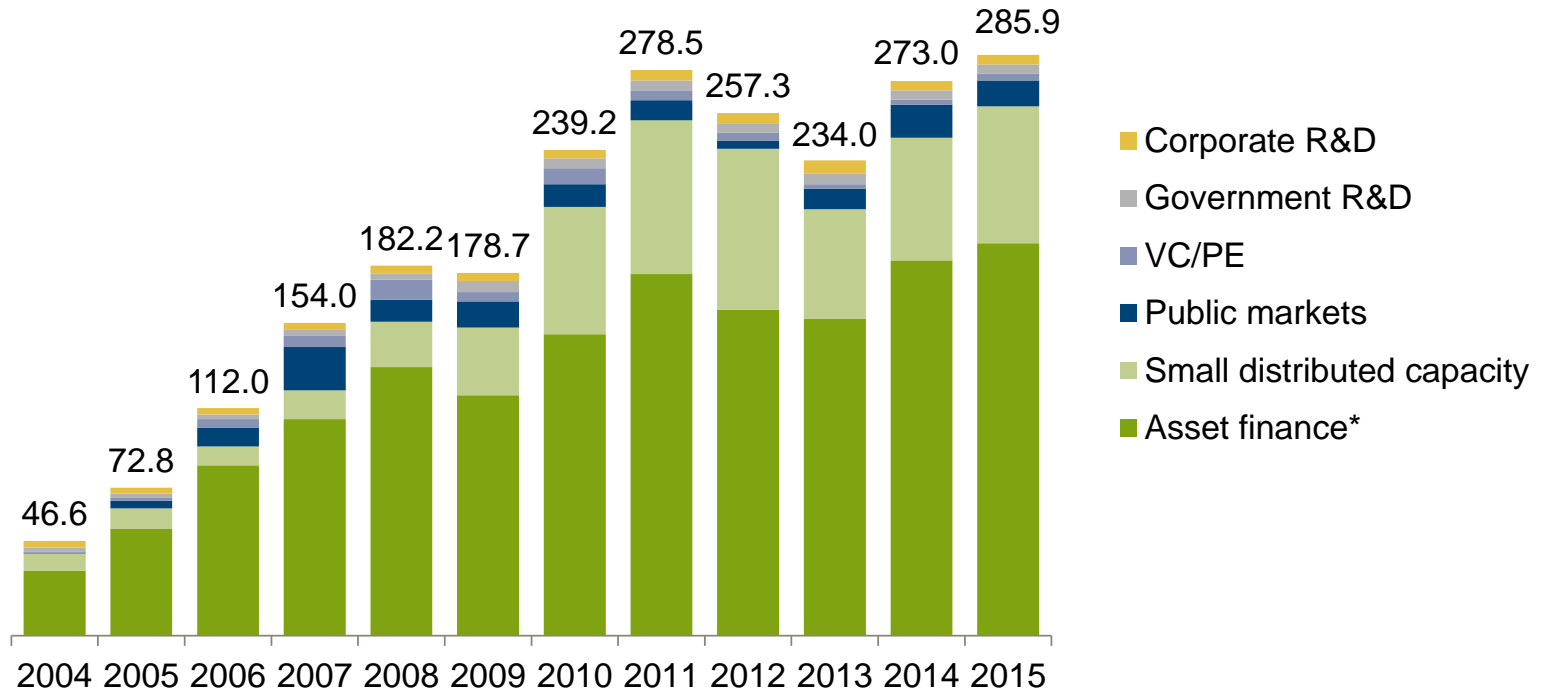
# GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY BY ASSET CLASS, 2004–15 (\$BN)



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Growth:

56% 54% 37% 18% -2% 34% 16% -8% -9% 17% 5%



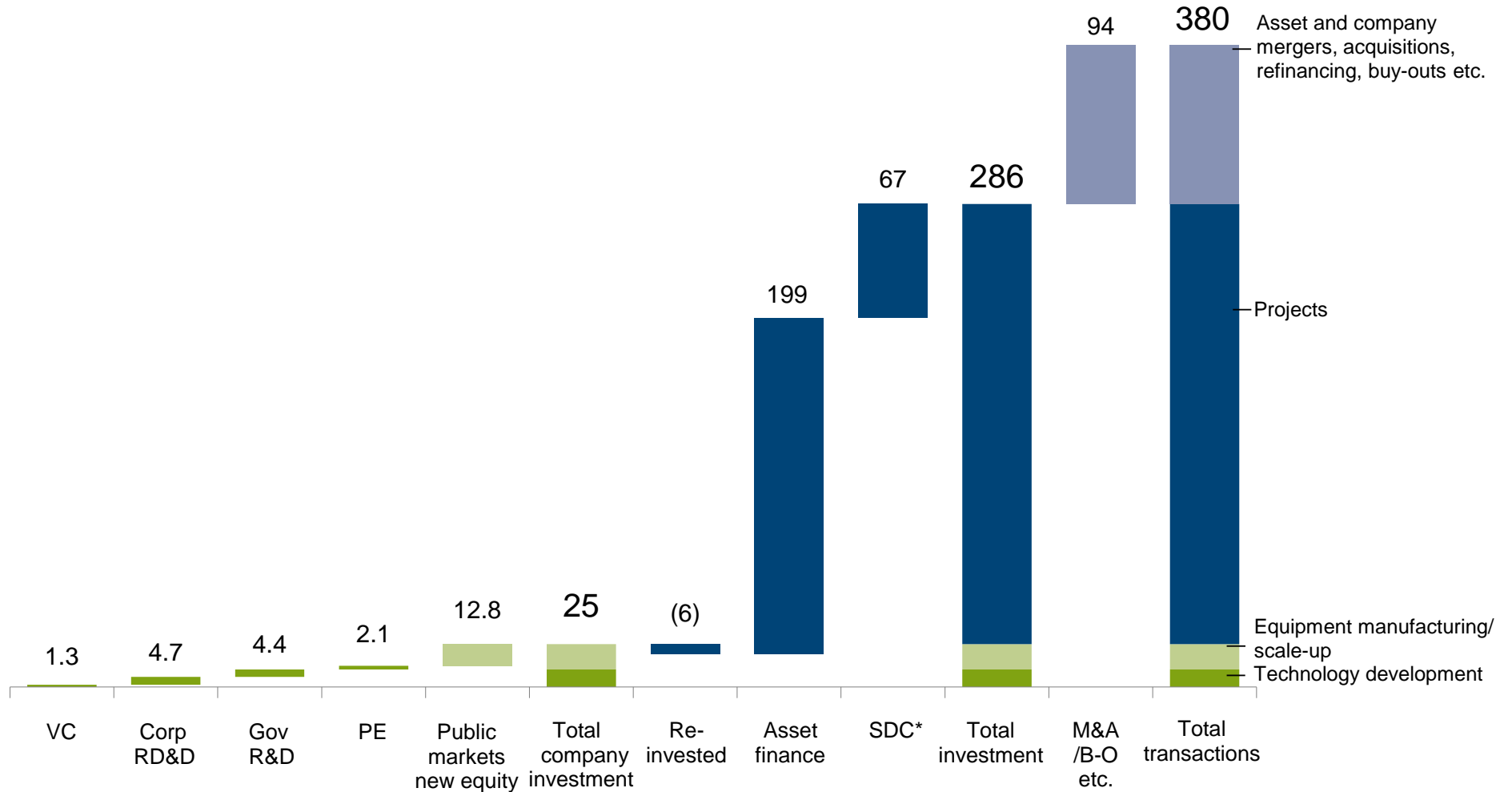
Note: \*Asset finance volume adjusts for re-invested equity. Total values include estimates for undisclosed deals

Source: Bloomberg New Energy Finance

# GLOBAL TRANSACTIONS IN RENEWABLE ENERGY, 2015 (\$BN)



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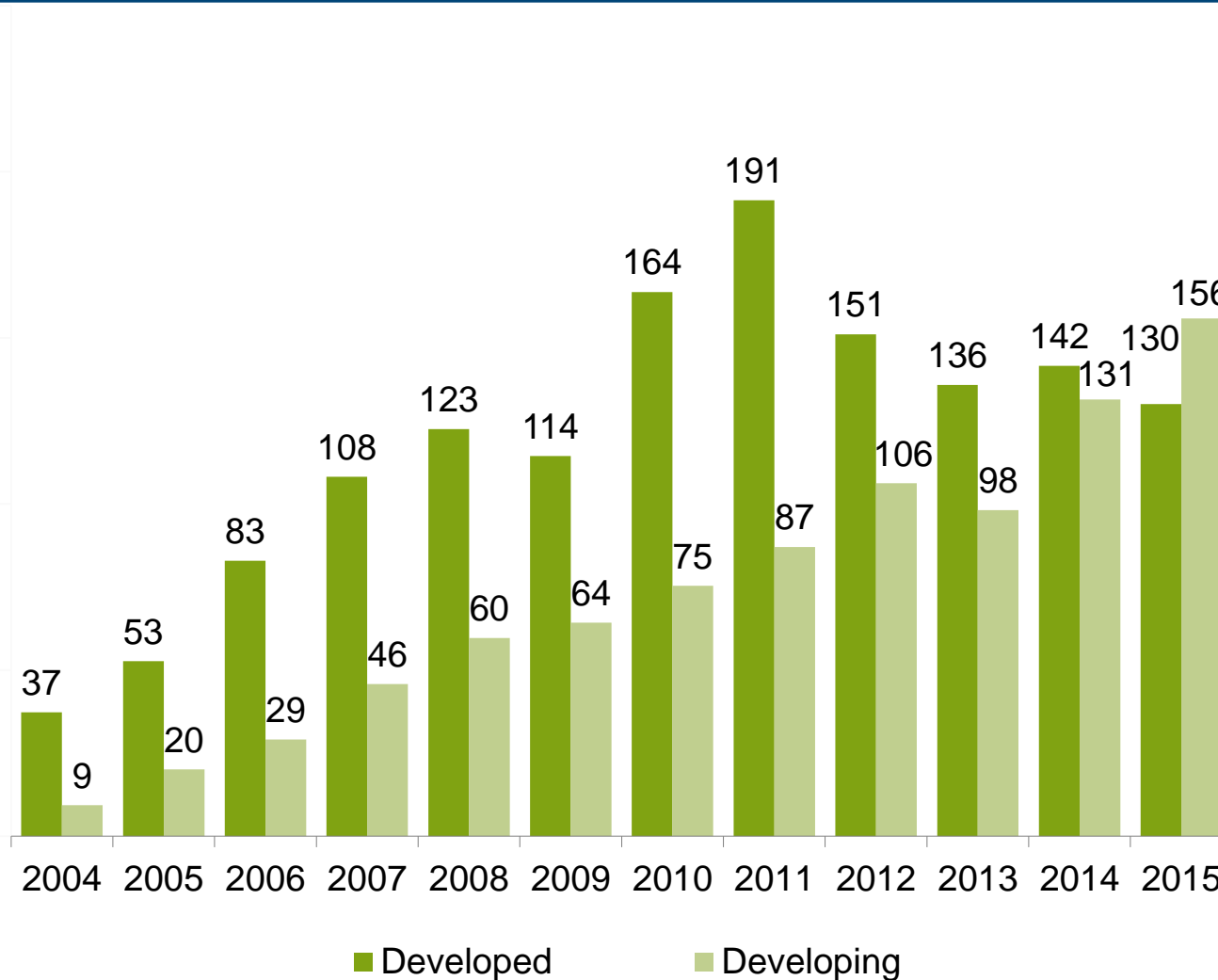
Note: SDC = small distributed capacity. Total values include estimates for undisclosed deals. Figures may not add up exactly to totals, due to rounding.

Source: Bloomberg New Energy Finance; UNEP

# GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY: DEVELOPED VS. DEVELOPING, 2004–15(\$BN)



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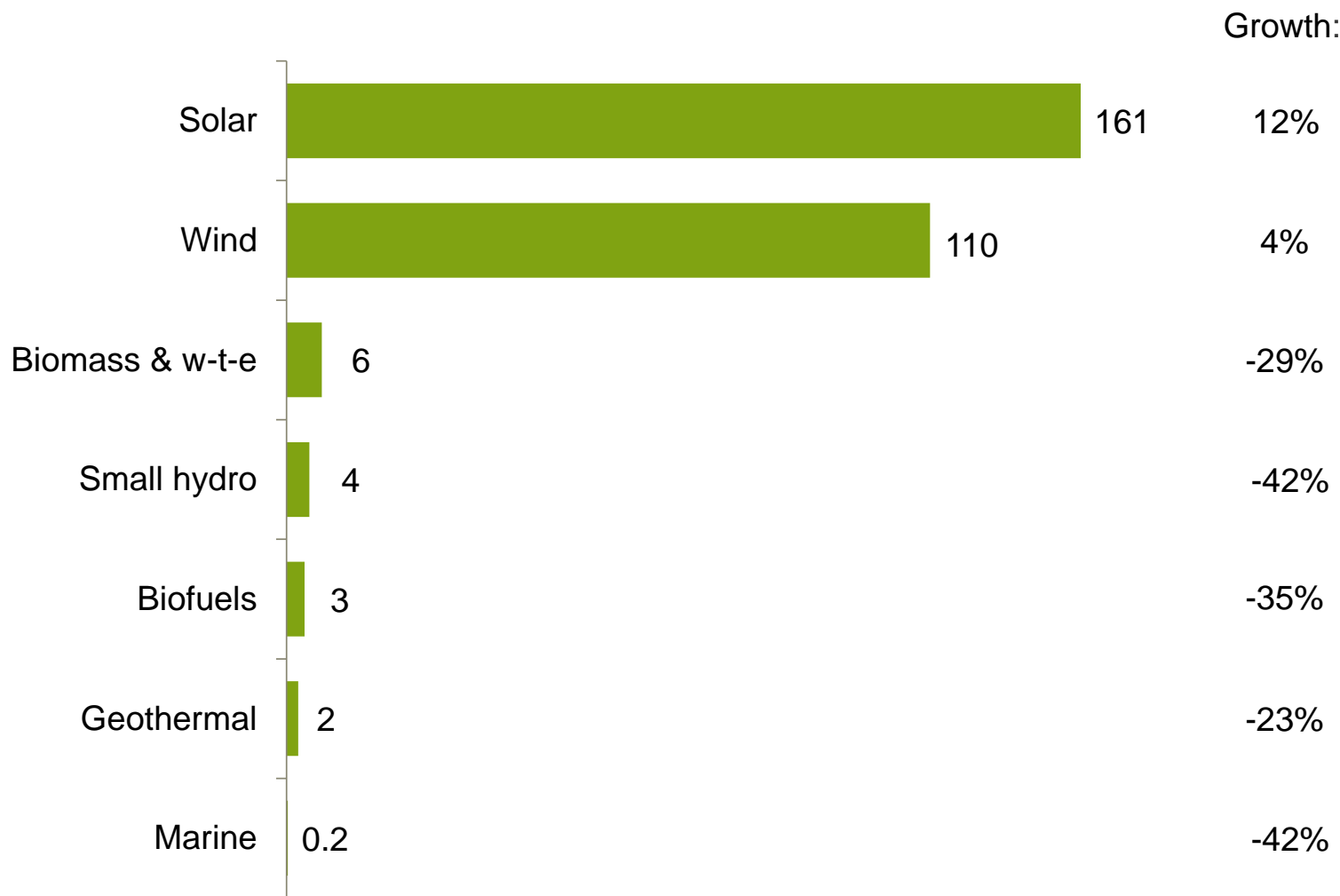
Note: New investment volume adjusts for re-invested equity. Total values include estimates for undisclosed deals. Developed volumes are based on OECD countries excluding Mexico, Chile, and Turkey.

Source: Bloomberg New Energy Finance; UNEP

# GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY BY SECTOR, 2015 AND GROWTH ON 2014 (\$BN)



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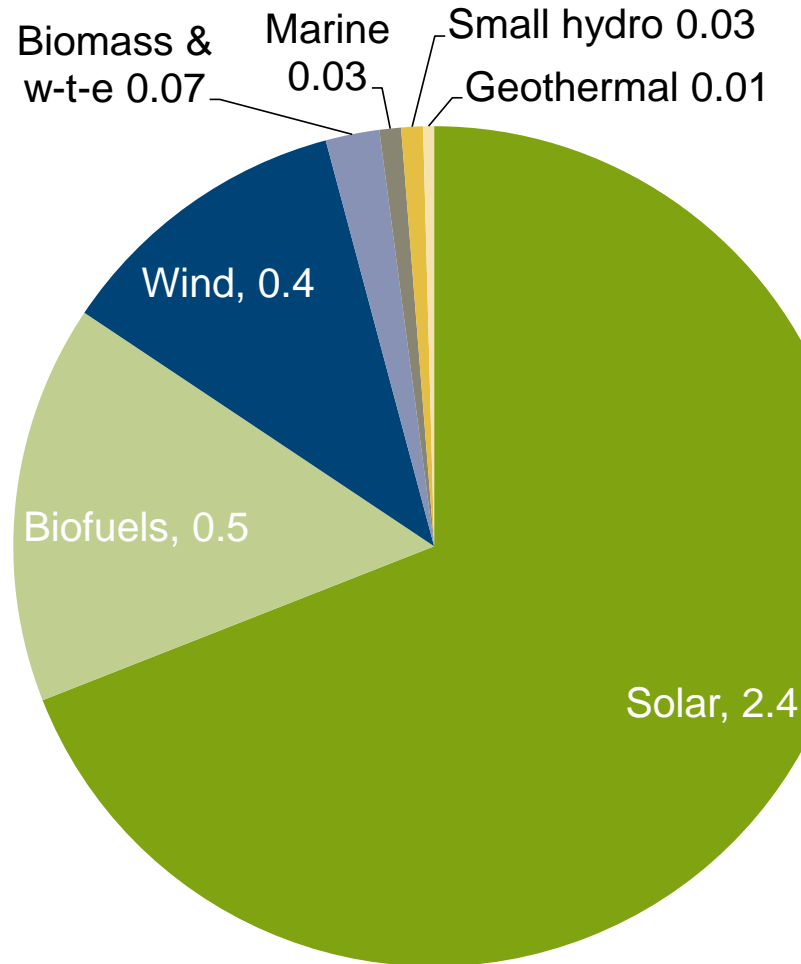
Note: New investment volume adjusts for re-invested equity. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance;  
UNEP

# VC/PE NEW INVESTMENT IN RENEWABLE ENERGY BY SECTOR, 2015 (\$BN)



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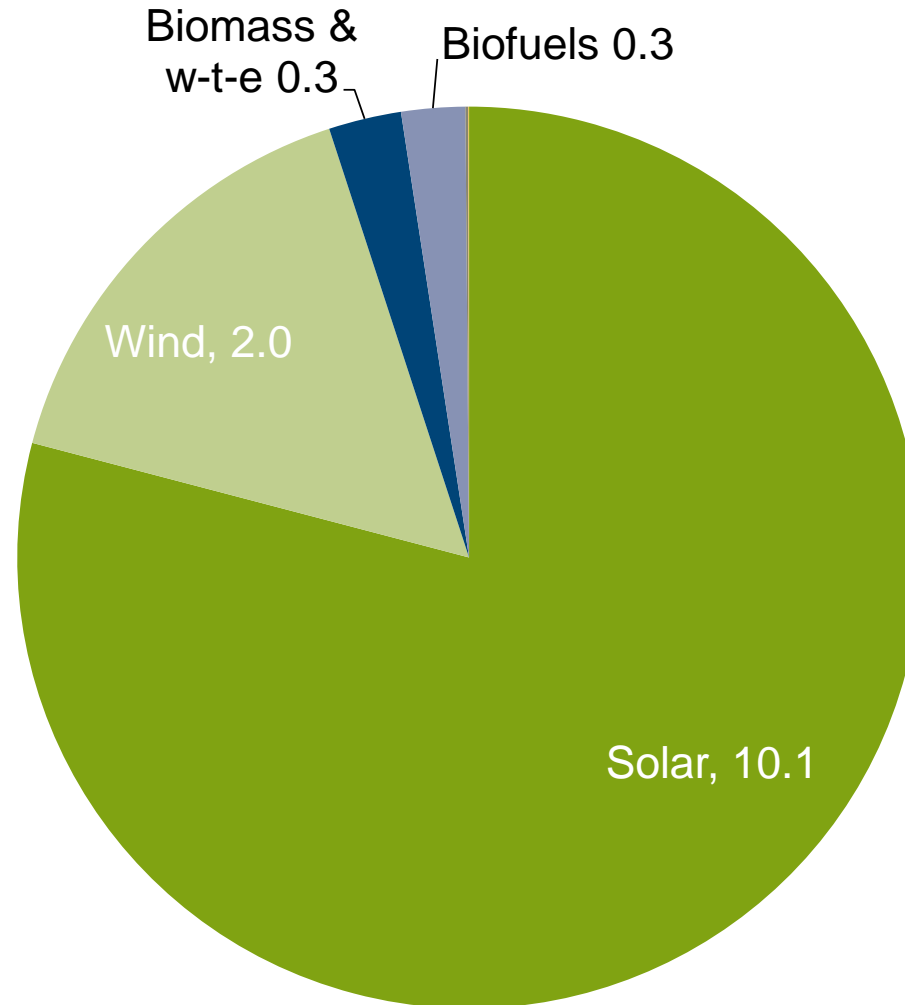
Note: VC/PE new investment excludes PE buy-outs. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance;  
UNEP

# PUBLIC MARKETS NEW INVESTMENT IN RENEWABLE ENERGY BY SECTOR, 2015 (\$BN)



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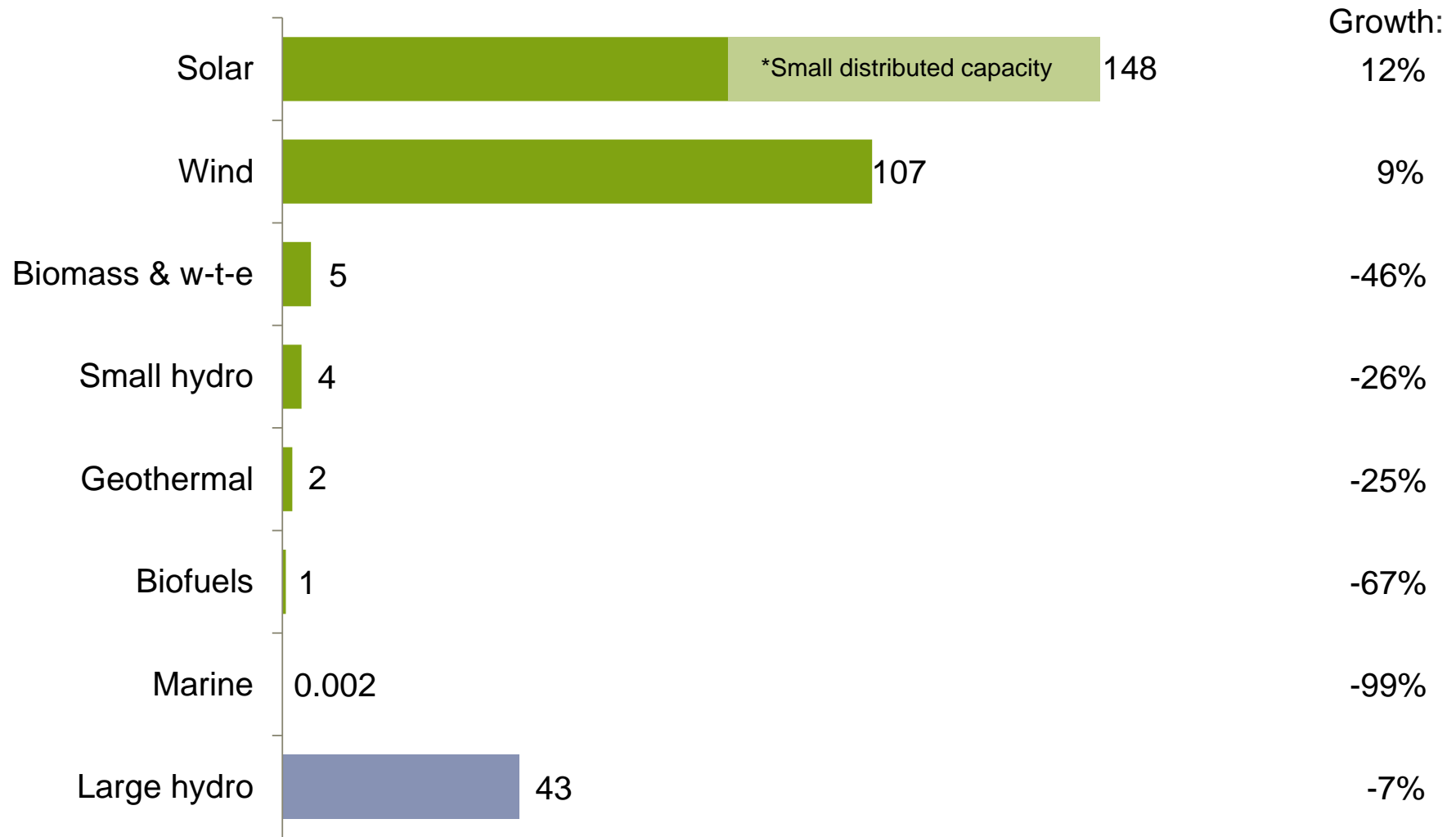


Source: Bloomberg New Energy Finance;  
UNEP

# RENEWABLE ENERGY ASSET FINANCE AND SMALL DISTRIBUTED CAPACITY INVESTMENT BY SECTOR, 2015, AND GROWTH ON 2014 (\$BN)



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Note: Total values include estimates for undisclosed deals.

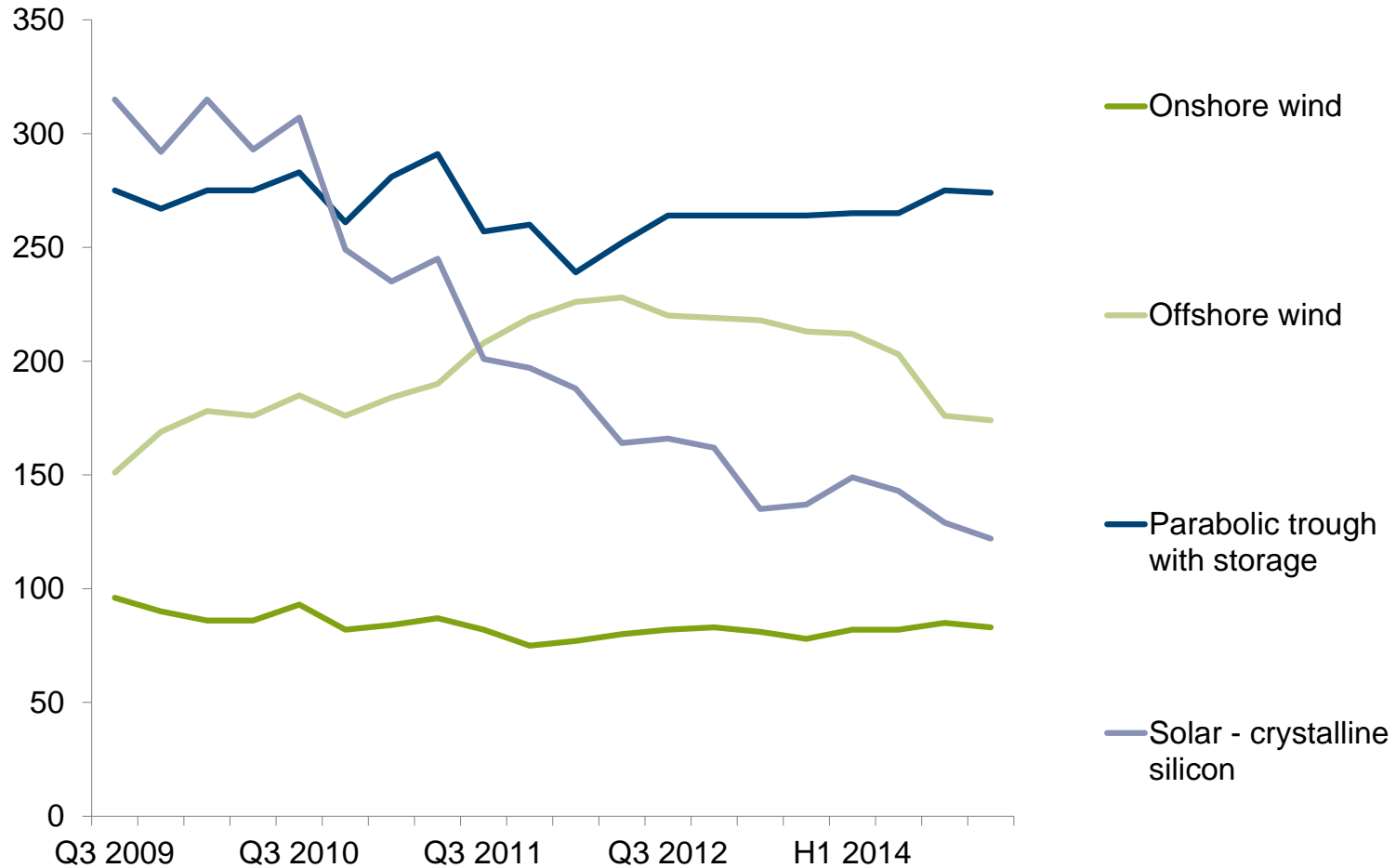
Source: Bloomberg New Energy Finance;  
UNEP



# GLOBAL AVERAGE LEVELISED COST OF ELECTRICITY FOR WIND AND PV, Q3 2009 TO H2 2015, \$ PER MWH



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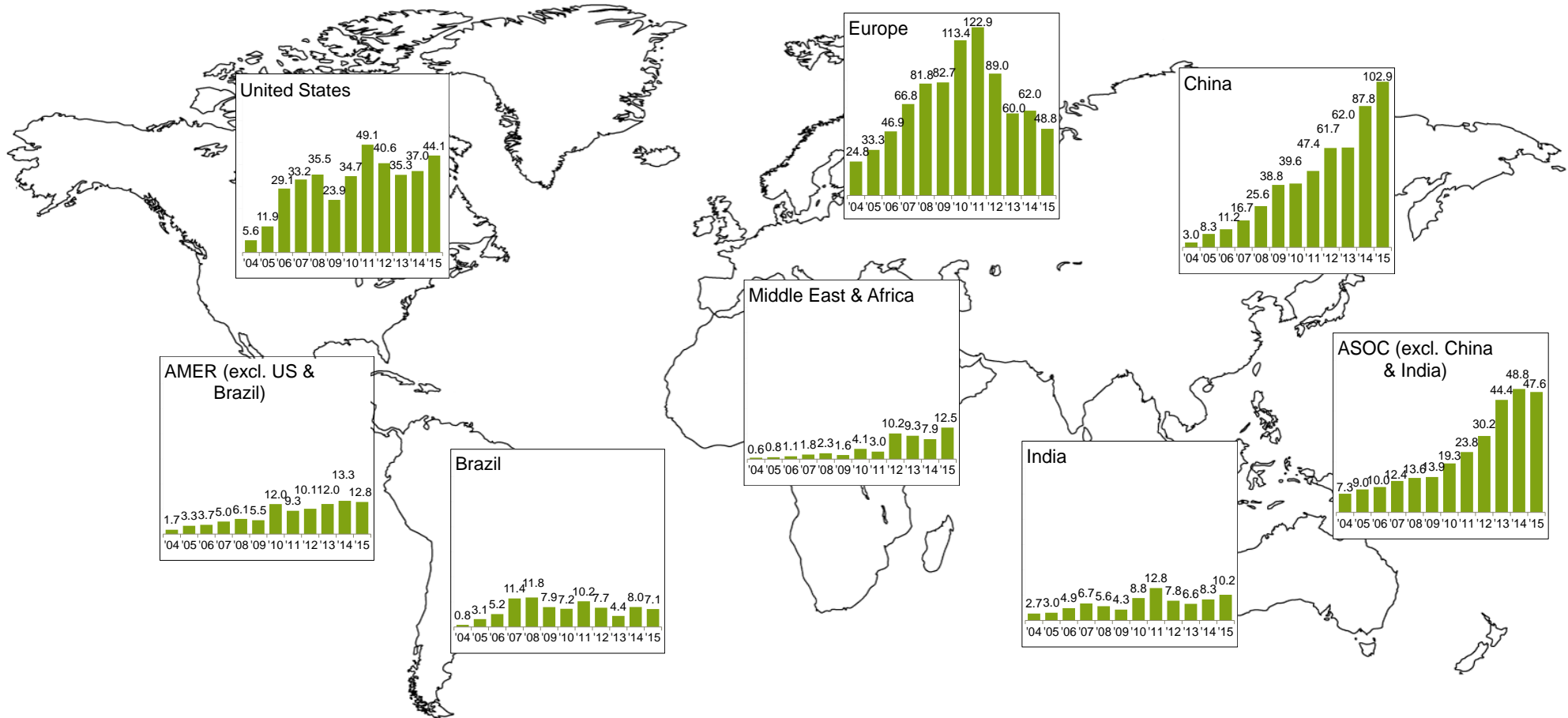
Note: PV-c-Si stands for crystalline silicon photovoltaics

Source: Bloomberg New Energy Finance

# GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY BY REGION, 2004–15 (\$BN)



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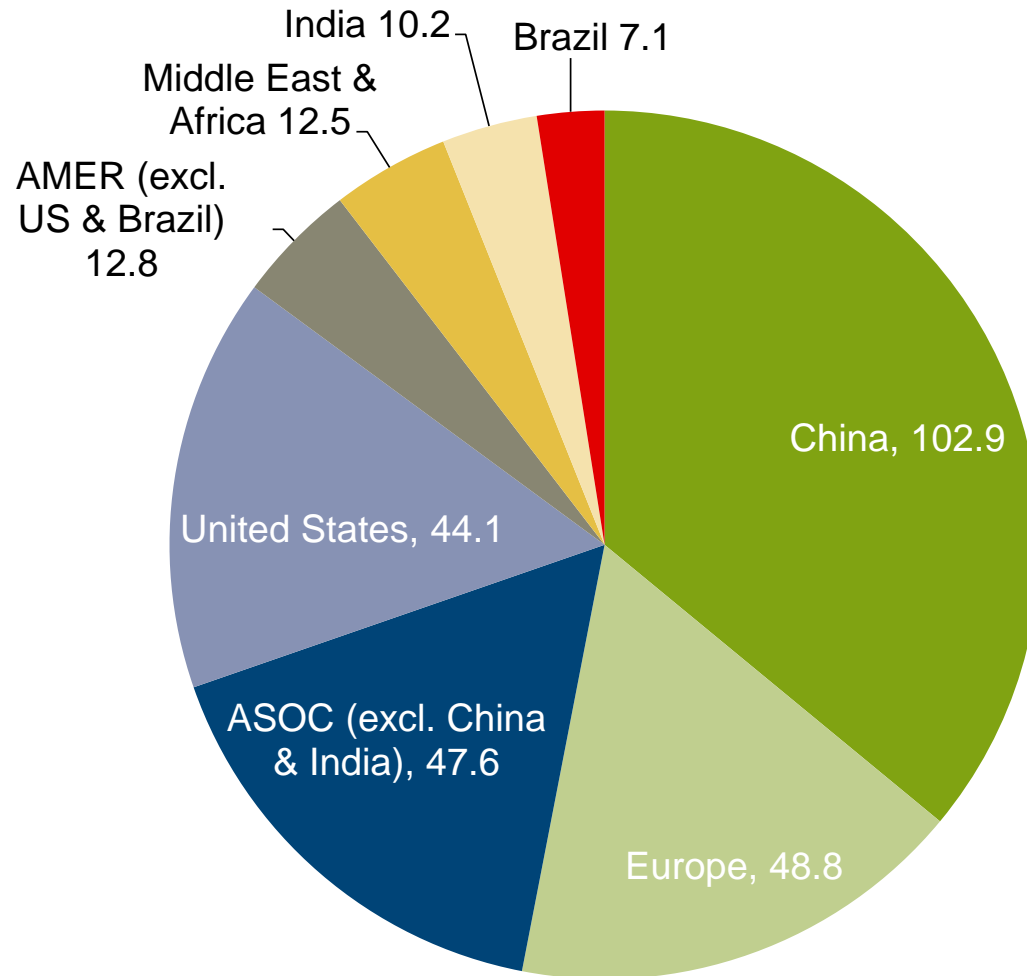
Source: Bloomberg New Energy Finance;  
 UNEP

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

# GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY BY REGION, 2015 (\$BN)



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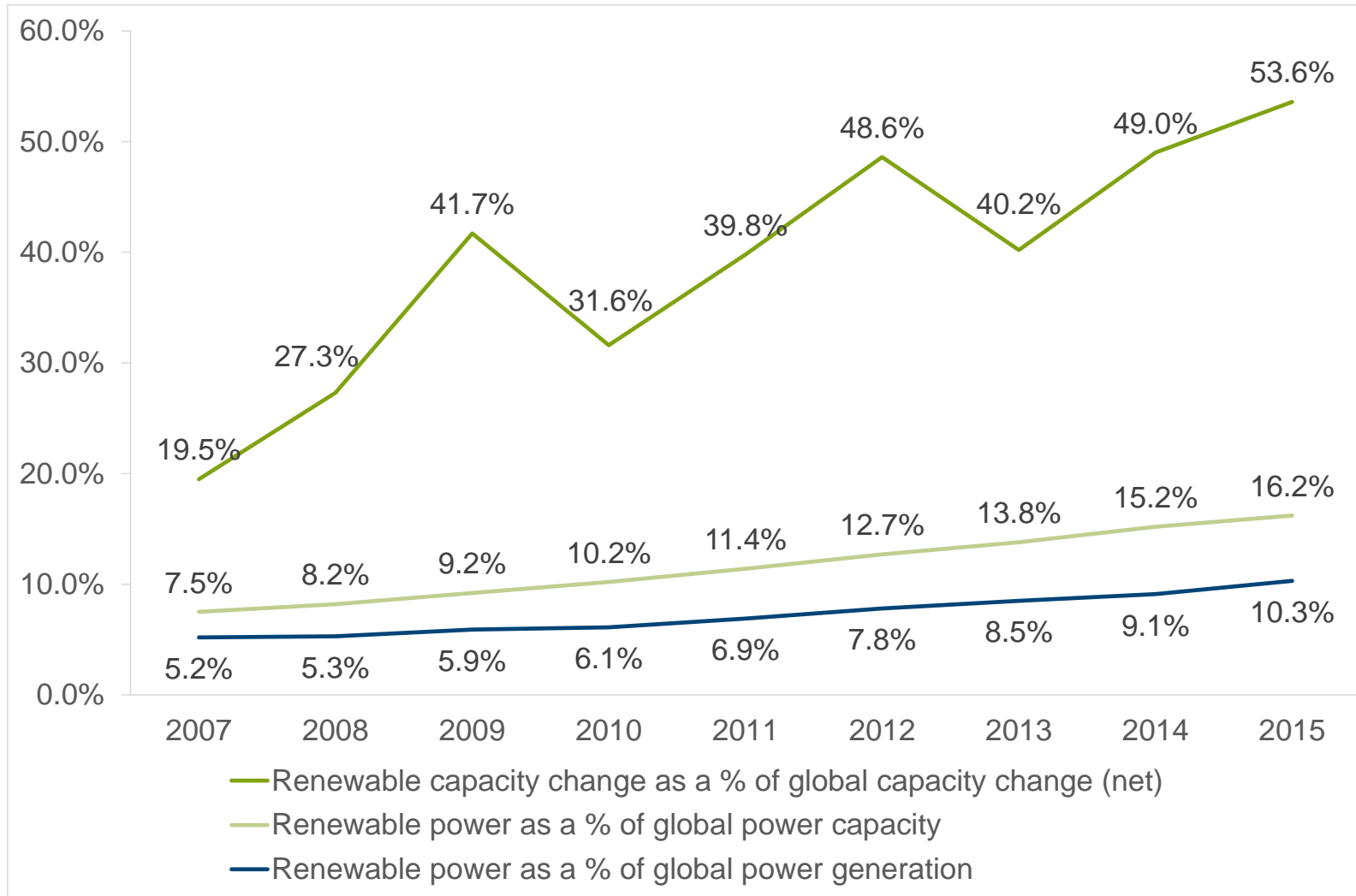


Source: Bloomberg New Energy Finance;  
UNEP

# RENEWABLE POWER GENERATION AND CAPACITY AS A PROPORTION OF GLOBAL POWER, 2007–15 (%)



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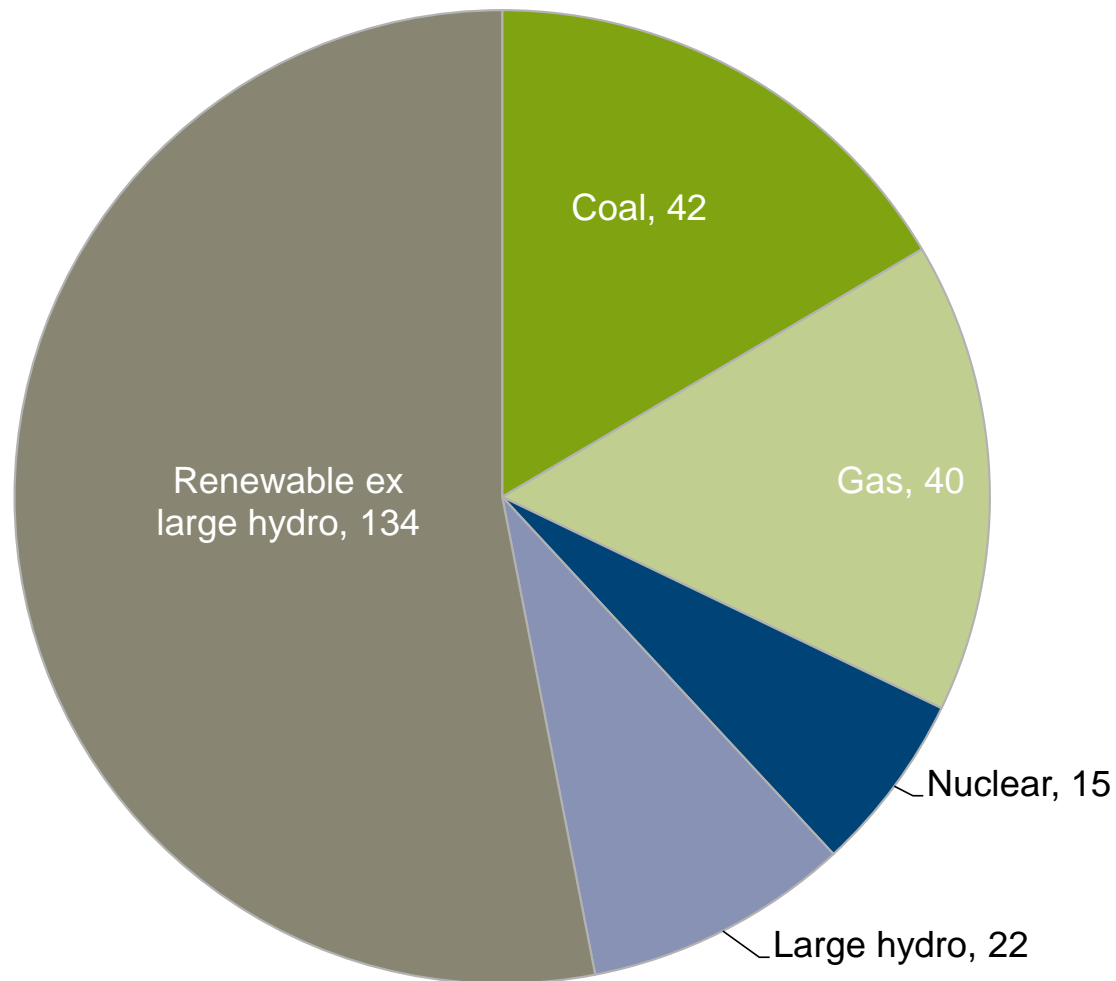
Source: Bloomberg New Energy Finance, EIA, IEA, UNEP

Note: Renewable power excludes large hydro.

# NET POWER GENERATING CAPACITY ADDED IN 2015 BY MAIN TECHNOLOGY, GW



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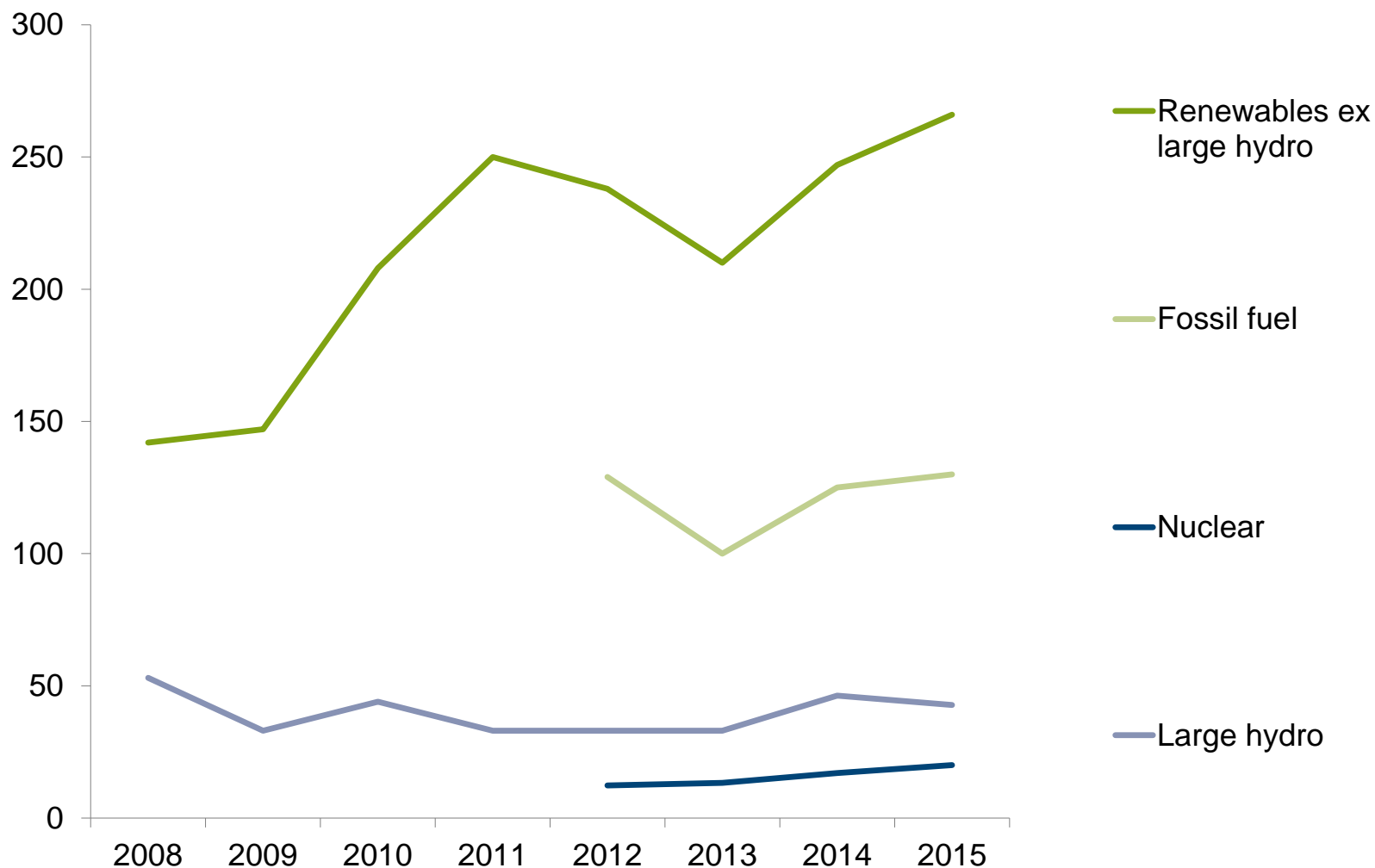


Source: Bloomberg New Energy Finance

# RENEWABLE POWER INVESTMENT VERSUS GROSS FOSSIL-FUEL POWER INVESTMENT, 2008-15 (\$BN)



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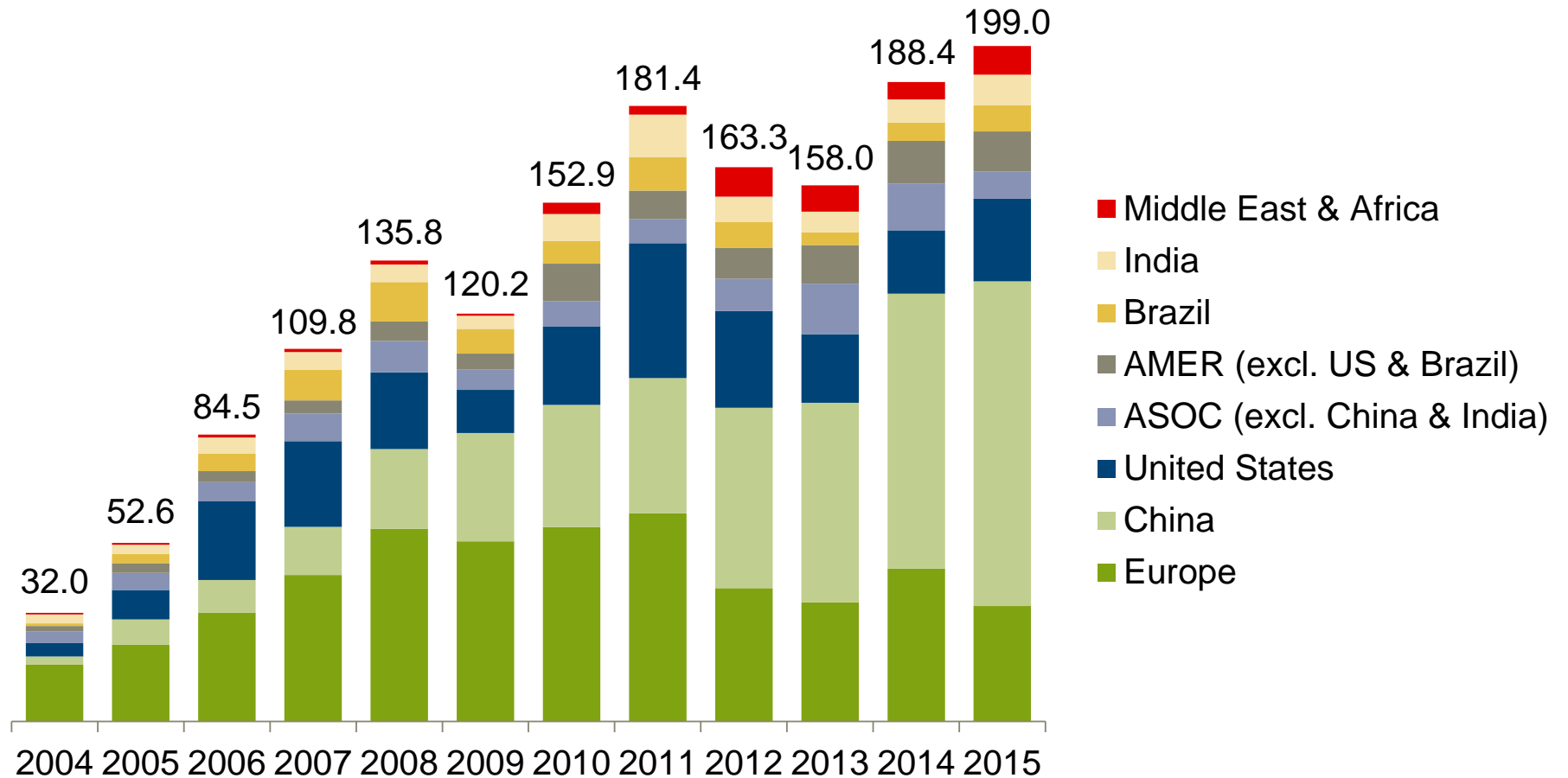
Note: Renewables figure excludes large hydro.

Source: Bloomberg New Energy Finance

# ASSET FINANCE NEW INVESTMENT IN RENEWABLE ENERGY BY REGION, 2004–15 (\$BN)



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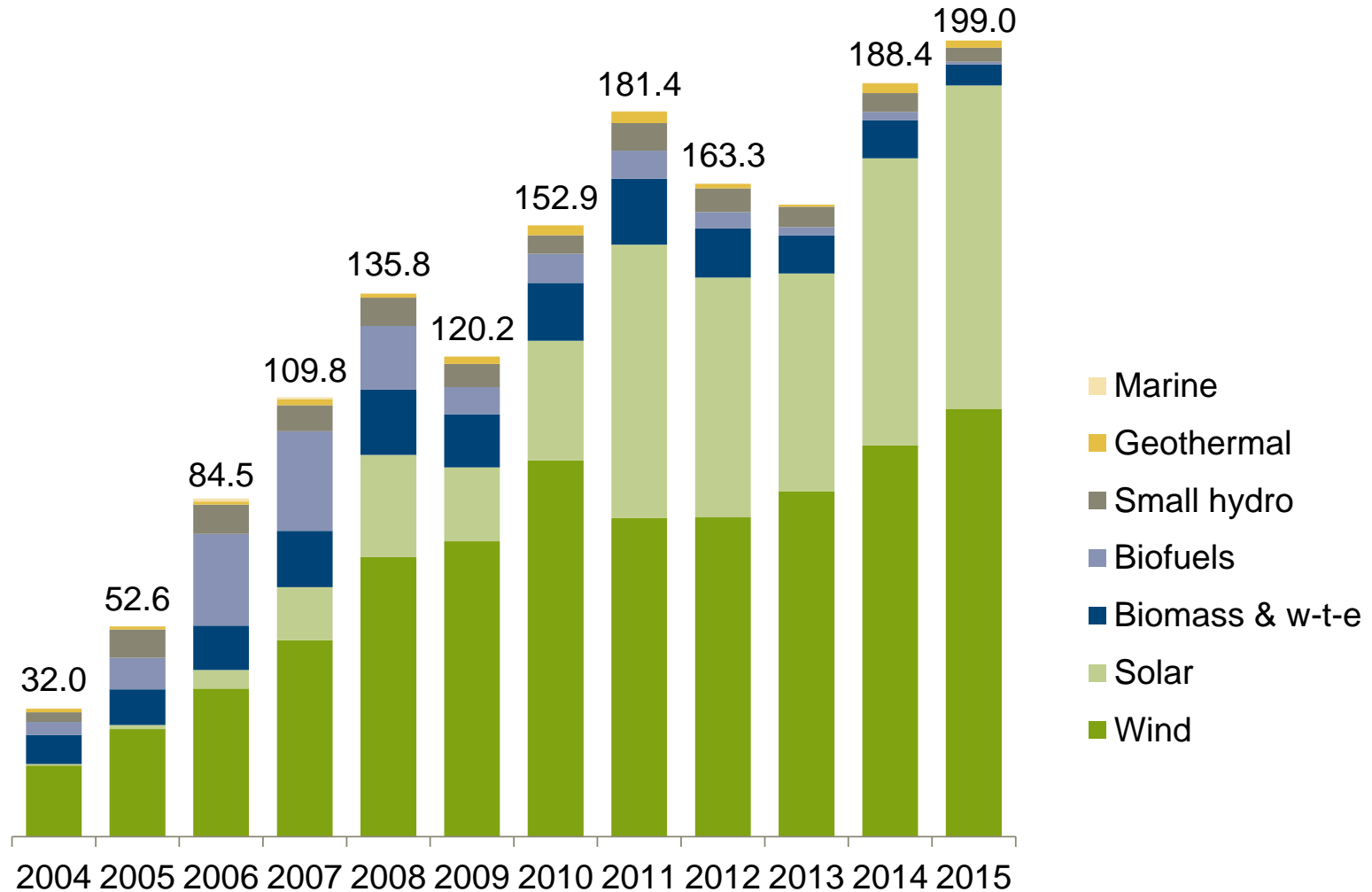
Note: Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance;  
UNEP

# ASSET FINANCE NEW INVESTMENT IN RENEWABLE ENERGY BY SECTOR, 2004–15 (\$BN)



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Note: Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance; UNEP

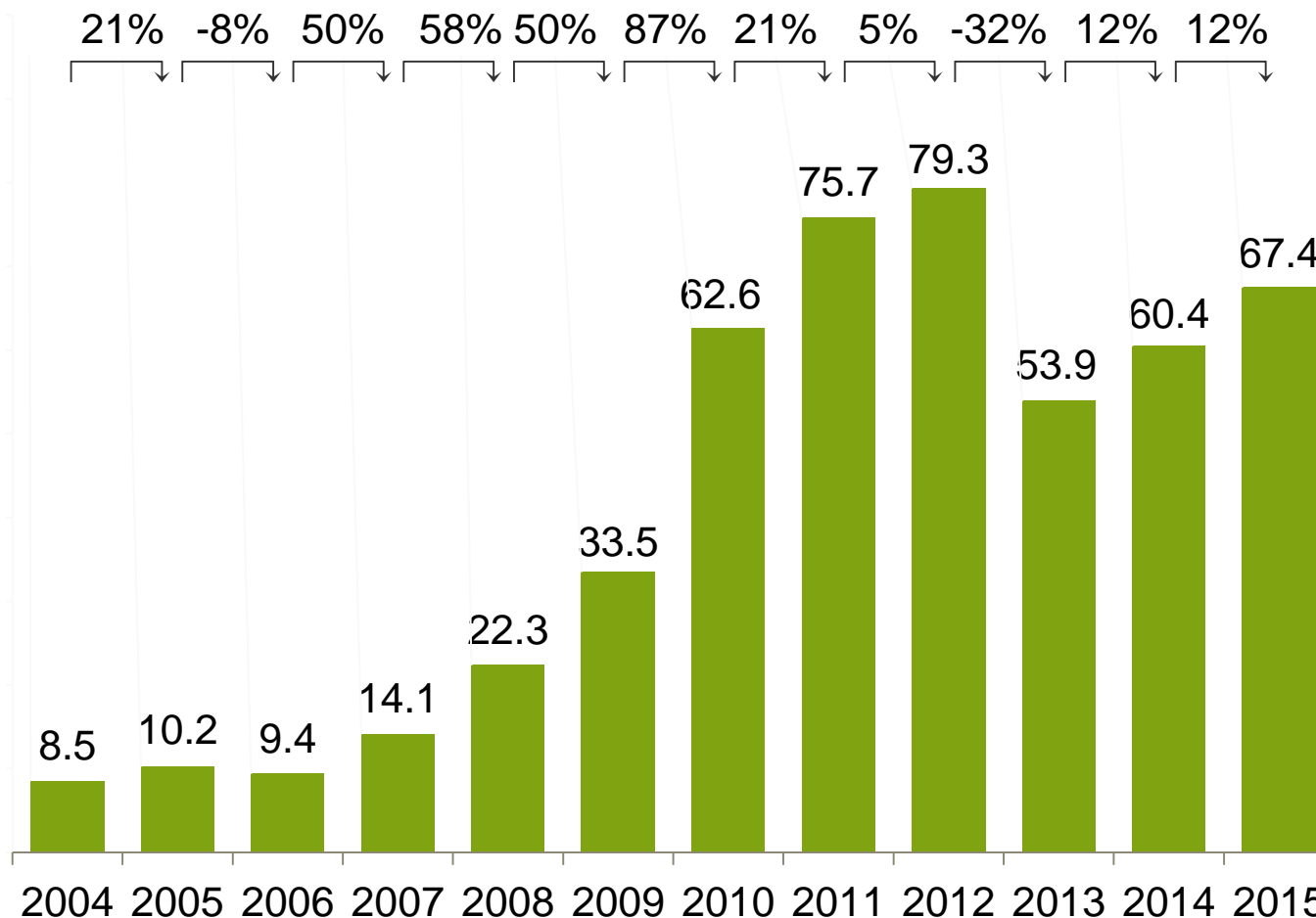


# SMALL DISTRIBUTED CAPACITY INVESTMENT, 2004–15 (\$BN)



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Growth:



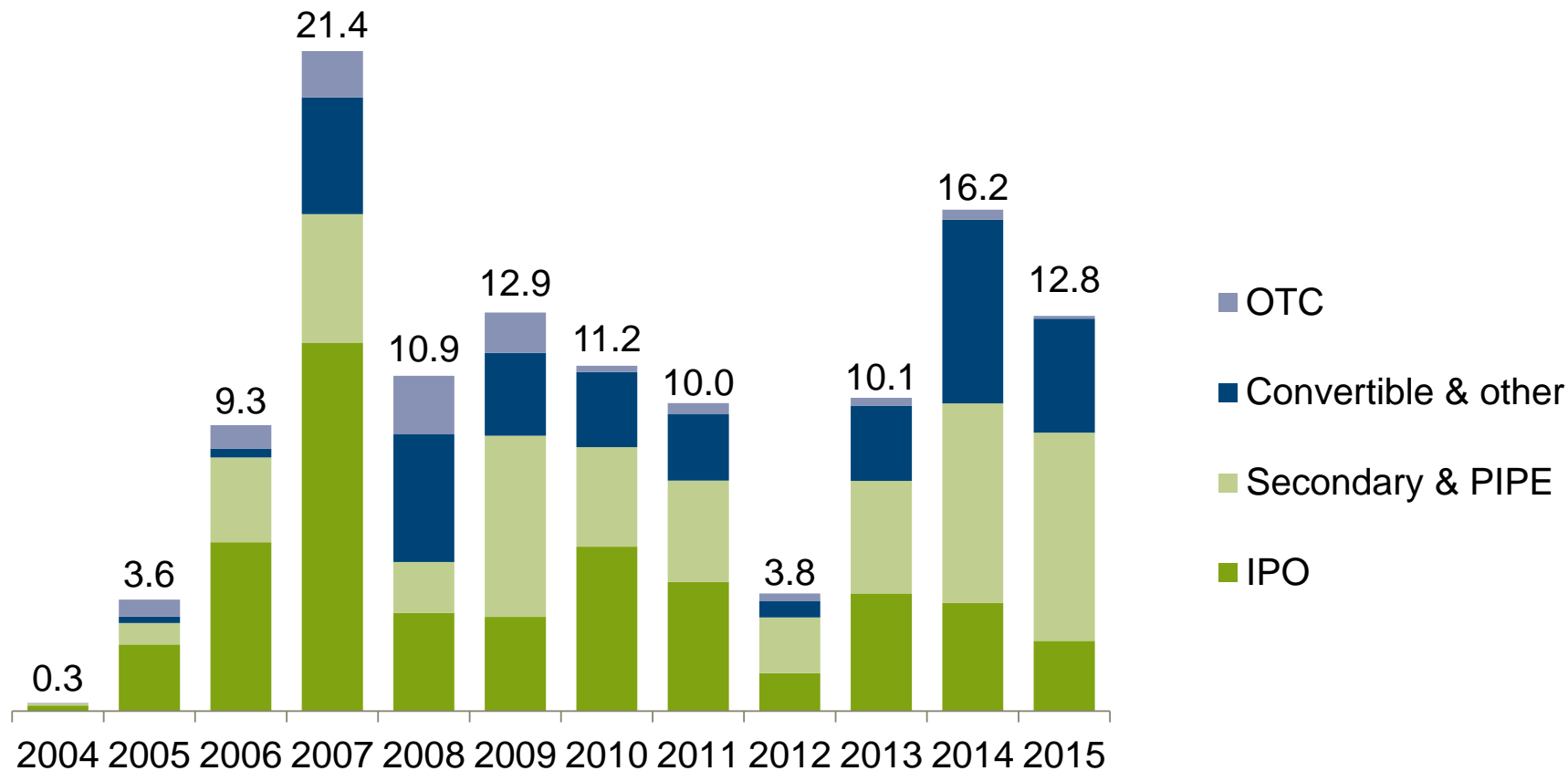
Note: Represents investments in solar PV projects with capacities below 1MW.

Source: Bloomberg New Energy Finance,  
various industry sources

# PUBLIC MARKET NEW INVESTMENT IN RENEWABLE ENERGY BY STAGE, 2004–15 (\$BN)



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

Source: Bloomberg New Energy Finance; UNEP

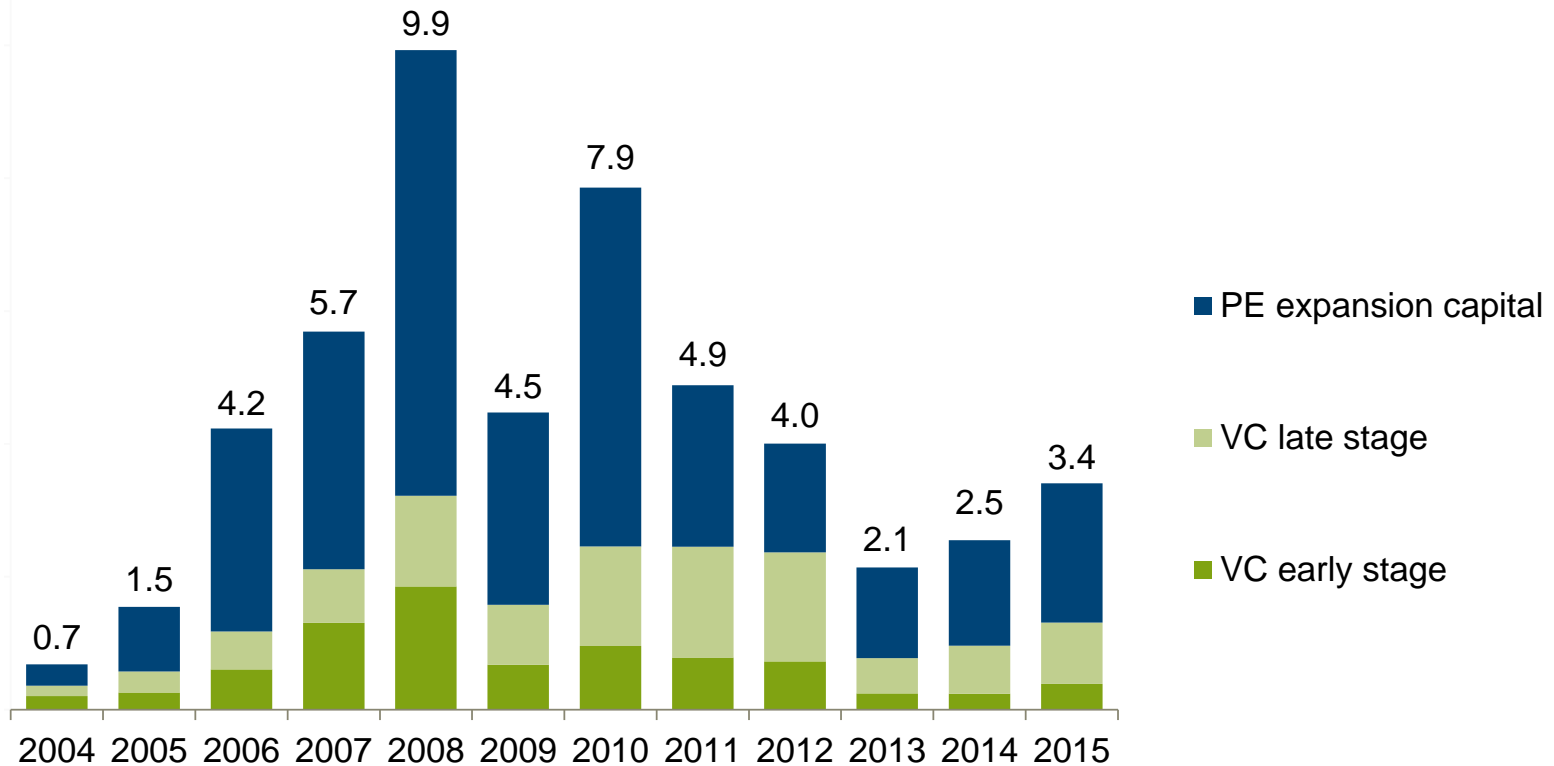
# VC/PE NEW INVESTMENT IN RENEWABLE ENERGY BY STAGE, 2004–15 (\$BN)



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Growth:

126% 174% 35% 74% -55% 76% -38% -18% -47% 19% 34%



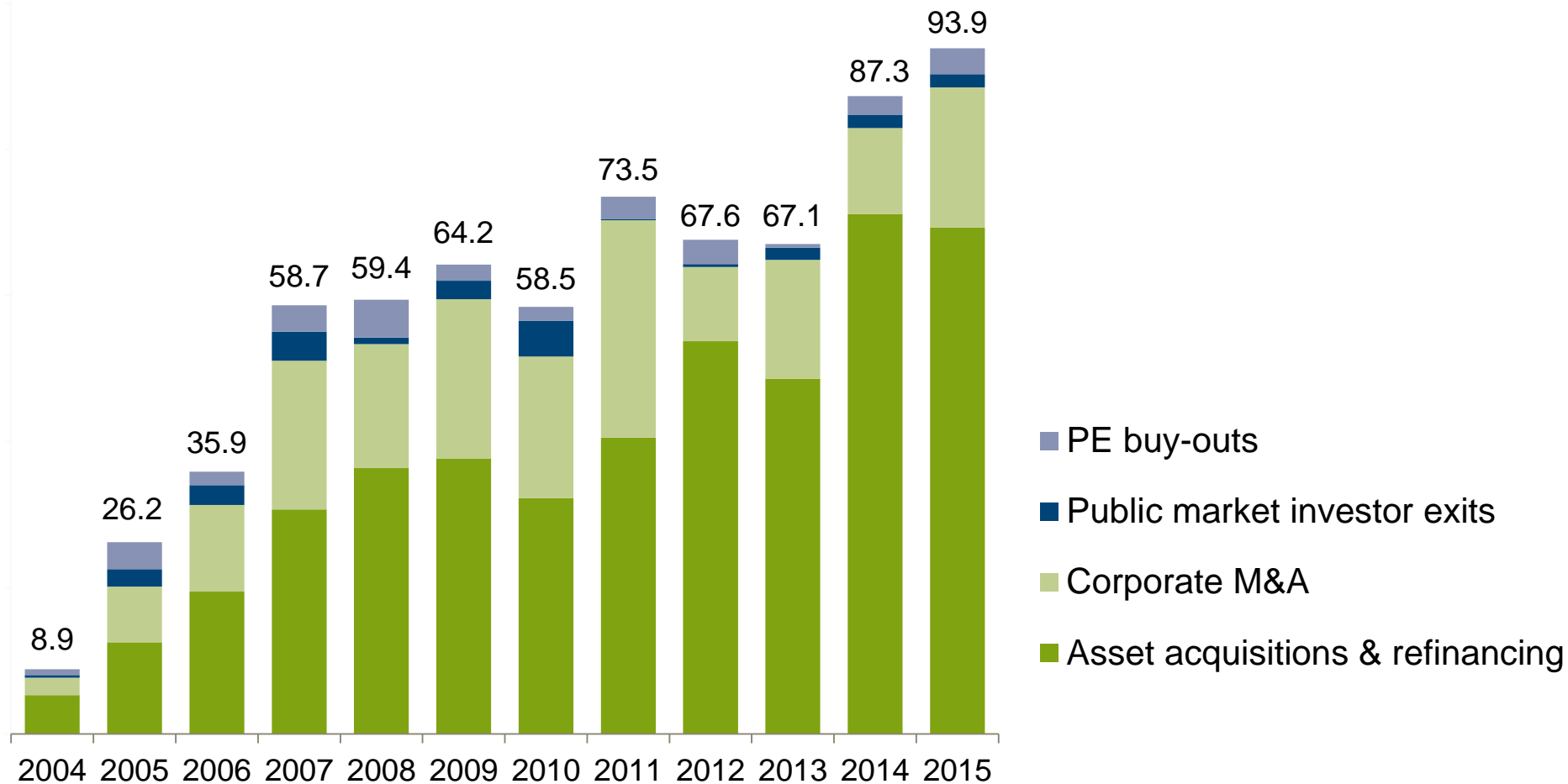
Note: Buy-outs are not included as new investment. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance; UNEP

# ACQUISITION TRANSACTIONS IN RENEWABLE ENERGY BY TYPE, 2004–15 (\$BN)



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Note: Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance



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