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Clean energy investment trends

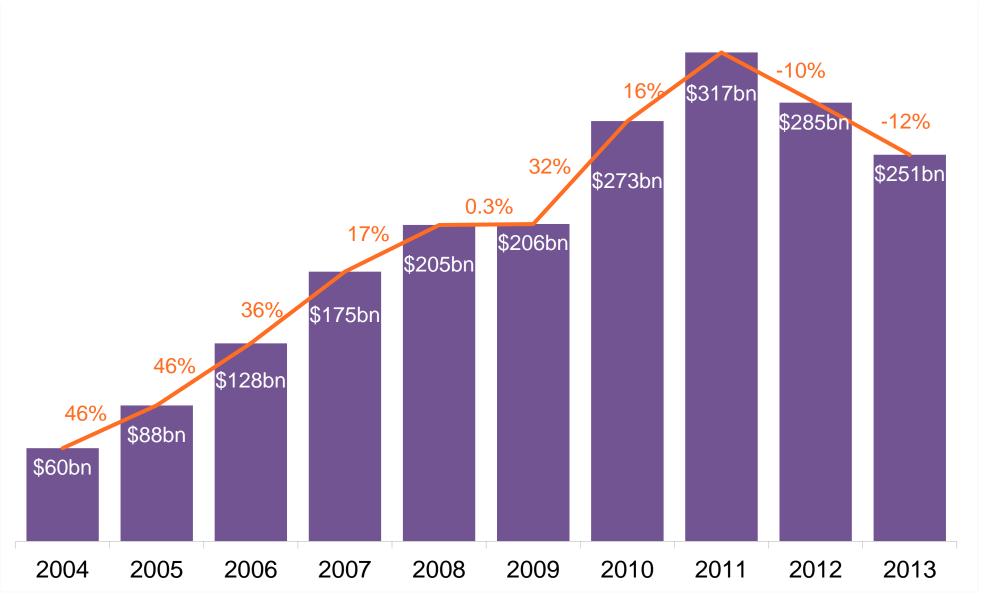
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### **NEW INVESTMENT IN CLEAN ENERGY**

Bloomberg NEW ENERGY FINANCE

2004-13 (\$BN)

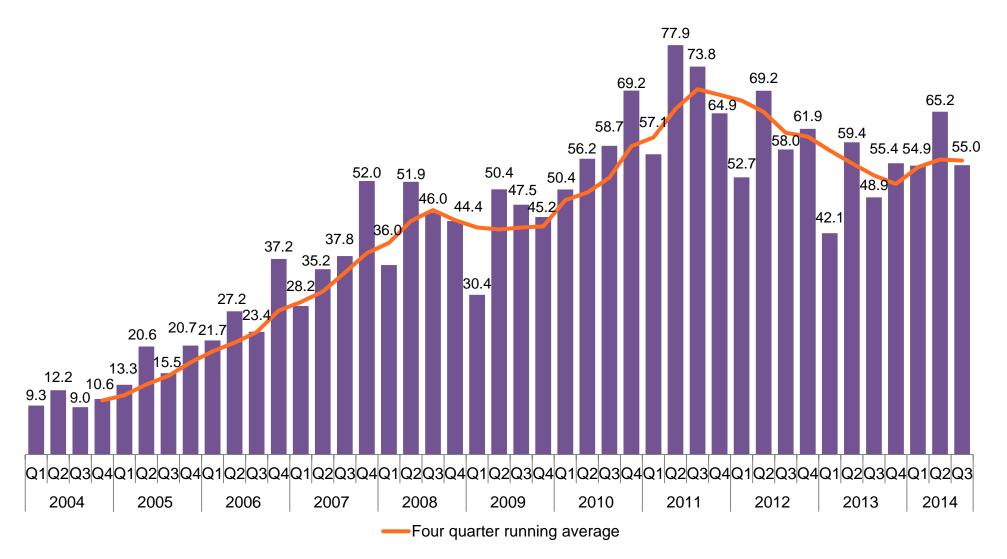


Note: Total values include estimates for undisclosed deals. Includes corporate and government R&D, and spending for digital energy and energy storage projects (not reported in quarterly statistics).

#### **NEW INVESTMENT IN CLEAN ENERGY**



Q1 2004-Q3 2014 (\$BN)

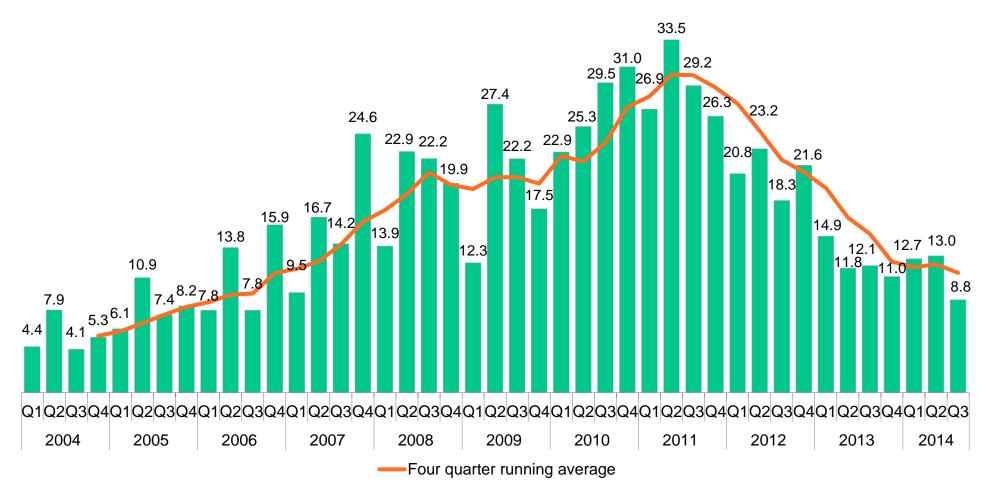


Note: Total values include estimates for undisclosed deals. Excludes corporate and government R&D, and spending for digital energy and energy storage projects (reported in annual statistics only).

### **NEW INVESTMENT IN CLEAN ENERGY IN EUROPE**



Q1 2004-Q3 2014 (\$BN)



Note: Total values include estimates for undisclosed deals. Excludes corporate and government R&D, and spending for digital energy and energy storage projects (reported in annual statistics only).

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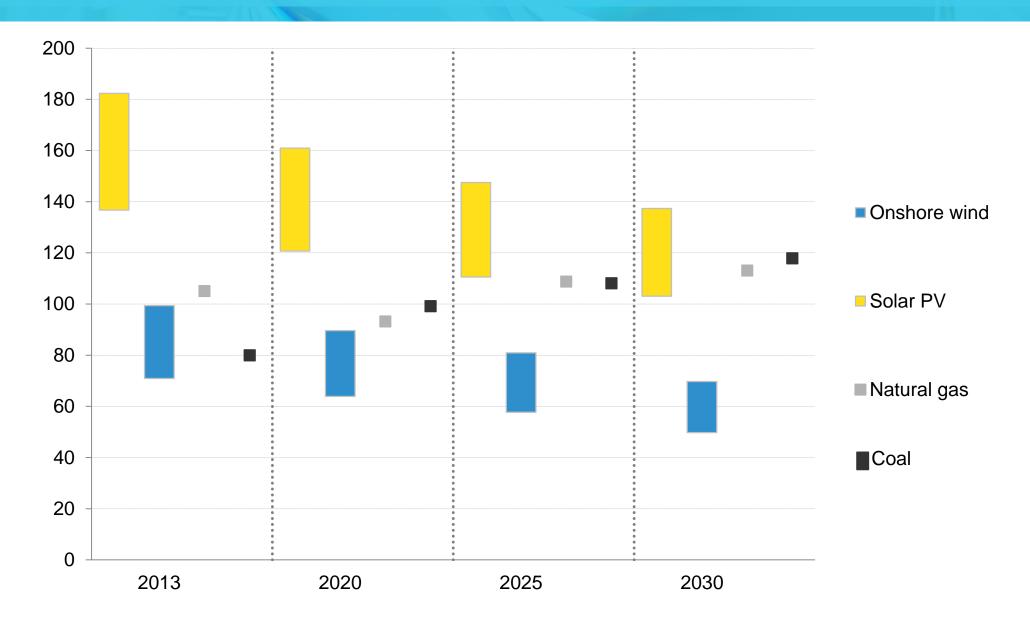


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# LEVELISED COST OF ELECTRICITY: EUROPEAN PV, WIND, GAS AND COAL, 2013-30 (\$/MWH NOMINAL)

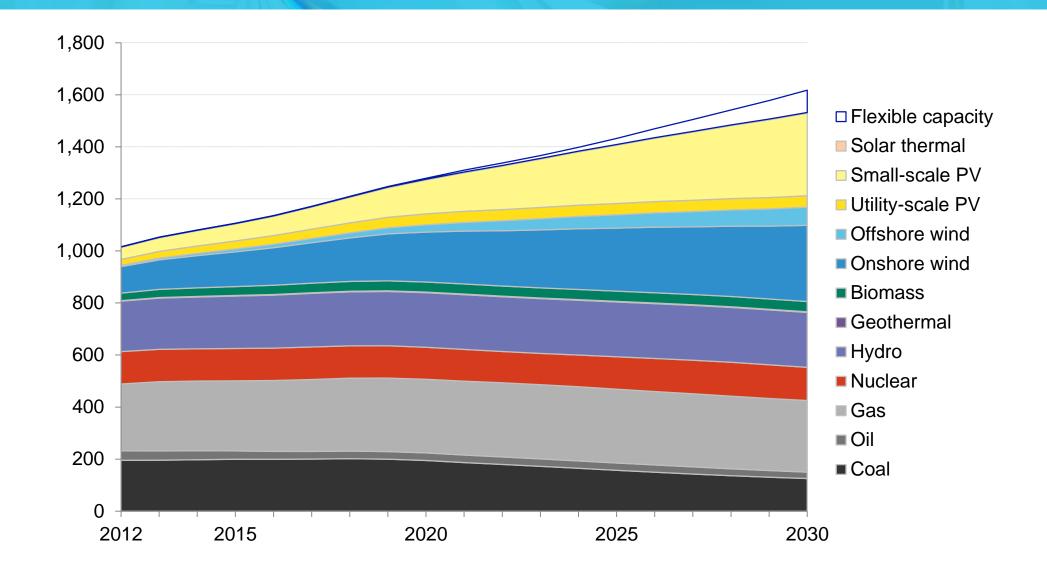




Note: Prices are in nominal dollars

## 2030 RENEWABLE ENERGY MARKET OUTLOOK (GW)





Note: EU-28 + Iceland, Norway, Switzerland and Turkey

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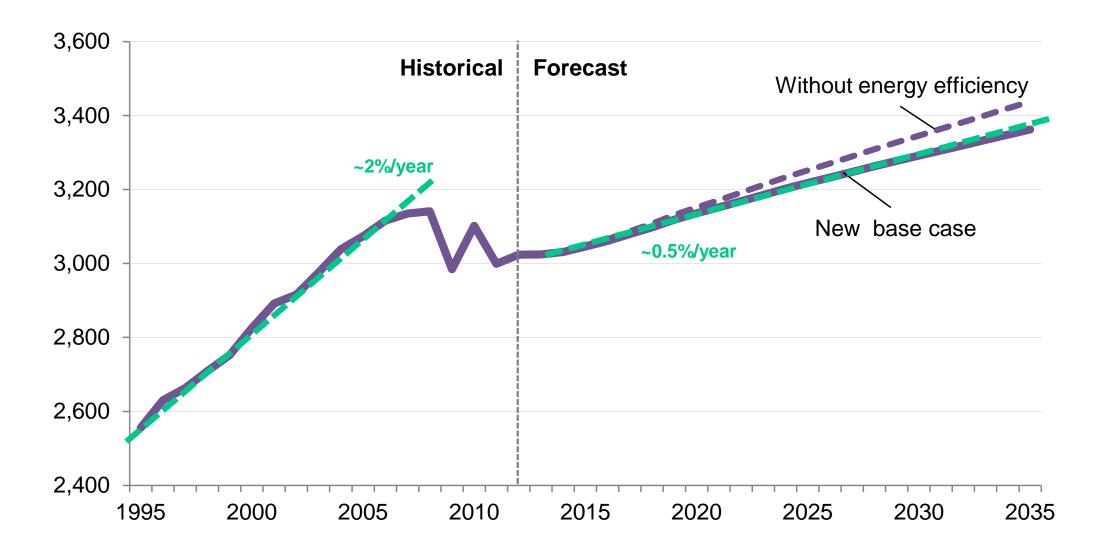


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# **DEMAND:** TOTAL POWER DEMAND FOR EU-28 + ICELAND AND NORWAY, 1995-2035 (TWH/YR)



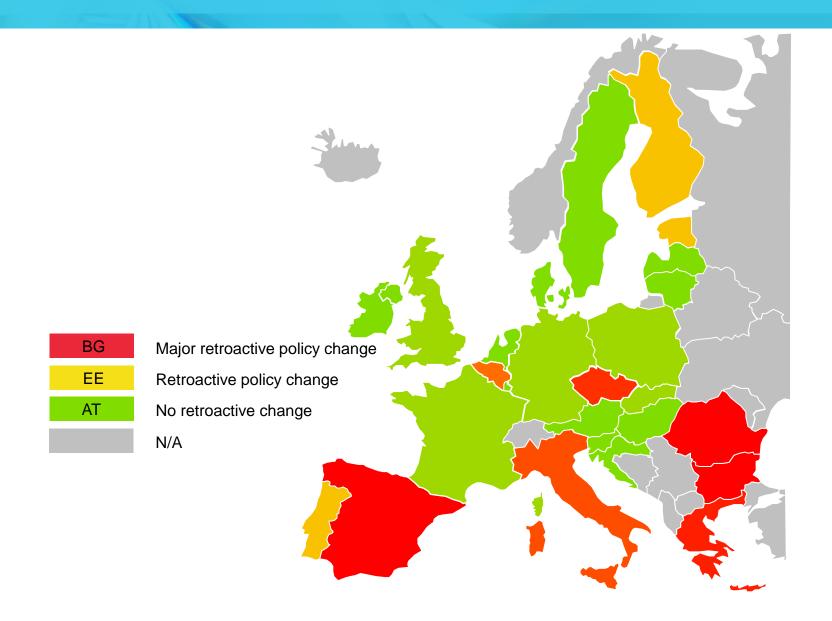


Note: Uses 1995-2012 ENTSO-E data as a base, which is made up of net electricity consumption including network losses for transformation and delivery, but without consumption for pumped storage and combined heat and power (CHP).

Source: ENTSO-E, Bloomberg New Energy Finance

## POLICY RISK - PERPETUAL REFORM, RETROACTIVE Bloomberg **CHANGES**

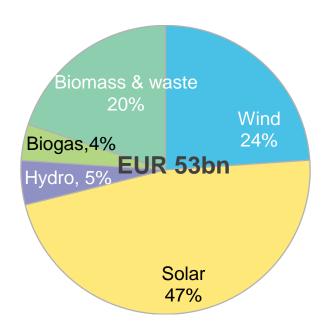




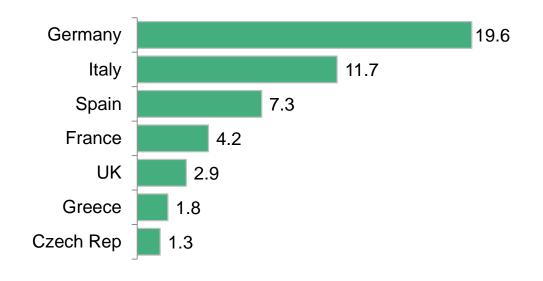
### **COST - RENEWABLES SUBSIDIES IN THE EU**



## COST OF RENEWABLES SUPPORT PER TECHNOLOGY, 2013



## TOP SPENDERS ON RENEWABLES SUPPORT IN 2013 (EUR BN)

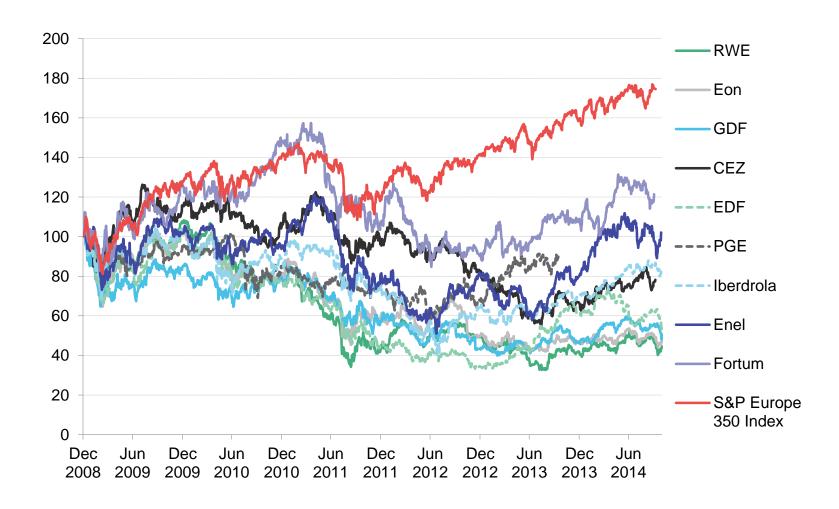


Note: These figures include direct operational support only. We have excluded any admin costs or other components of the total, which may be added to the "renewable energy surcharge".

Source: Bloomberg New Energy Finance, TSOs, national energy market regulators, national statistics offices

# EUROPEAN UTILITY STOCK PRICE DEVELOPMENTS (NORMALISED TO DECEMBER 2008)





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Carbon and RECs

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sales.bnef@bloomberg.net

Anna Czajkowska aczajkowska@bloomberg.net

