

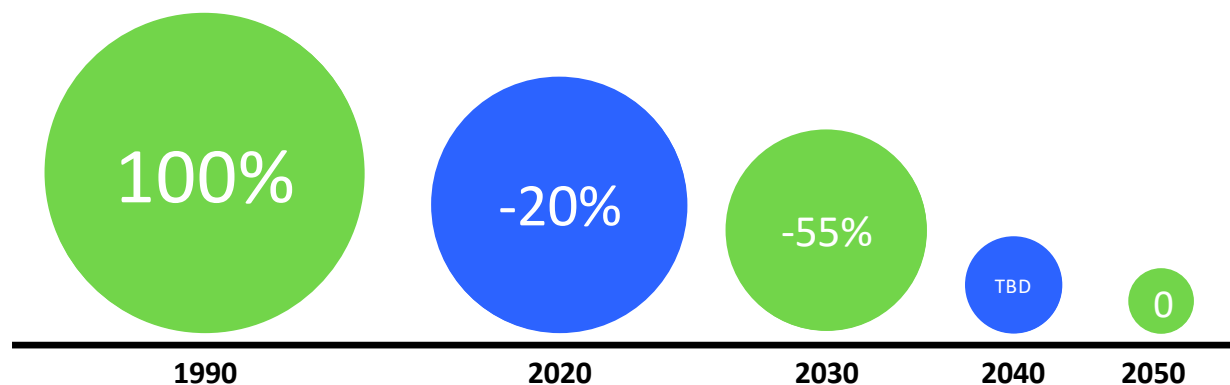


# eurelectric

## 欧电联绿色电力战略

2021年8月19日  
欧电联秘书长Kristian Ruby

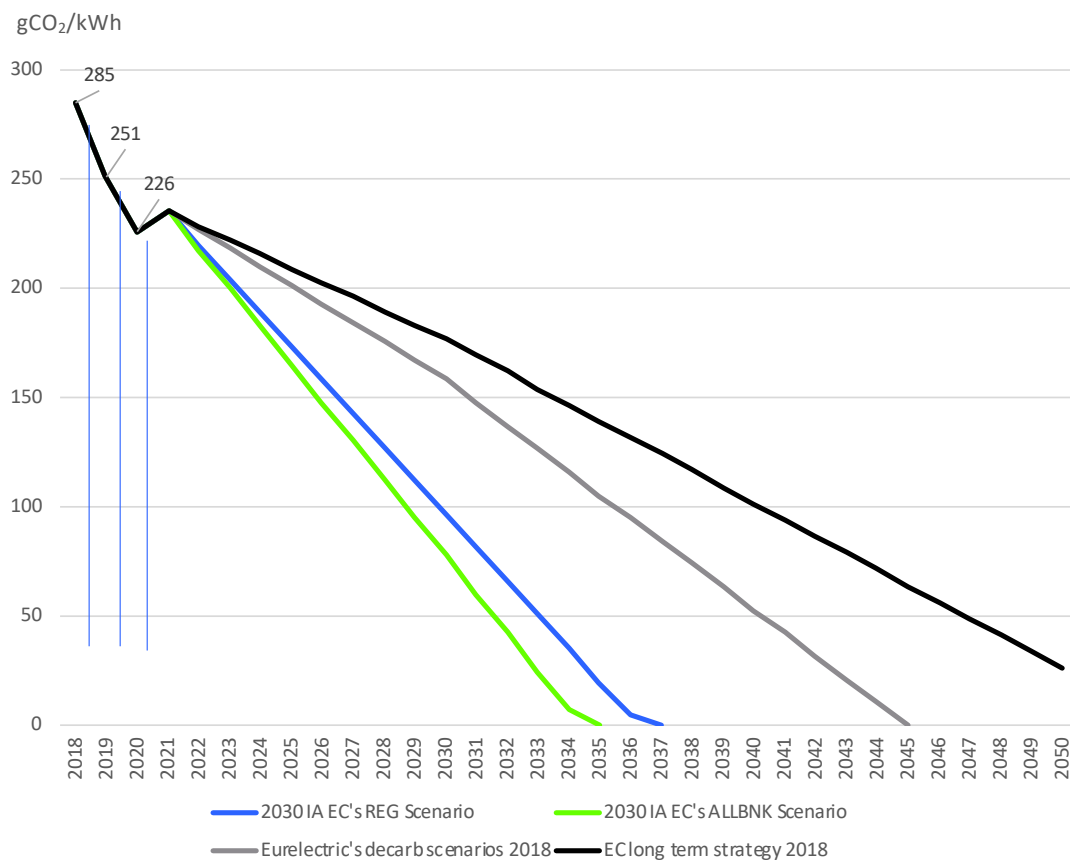
## 欧洲的碳中和之路



欧盟决定到2030年温室气体排放较1990年水平降低至少55%



# 电力行业脱碳成倍加速

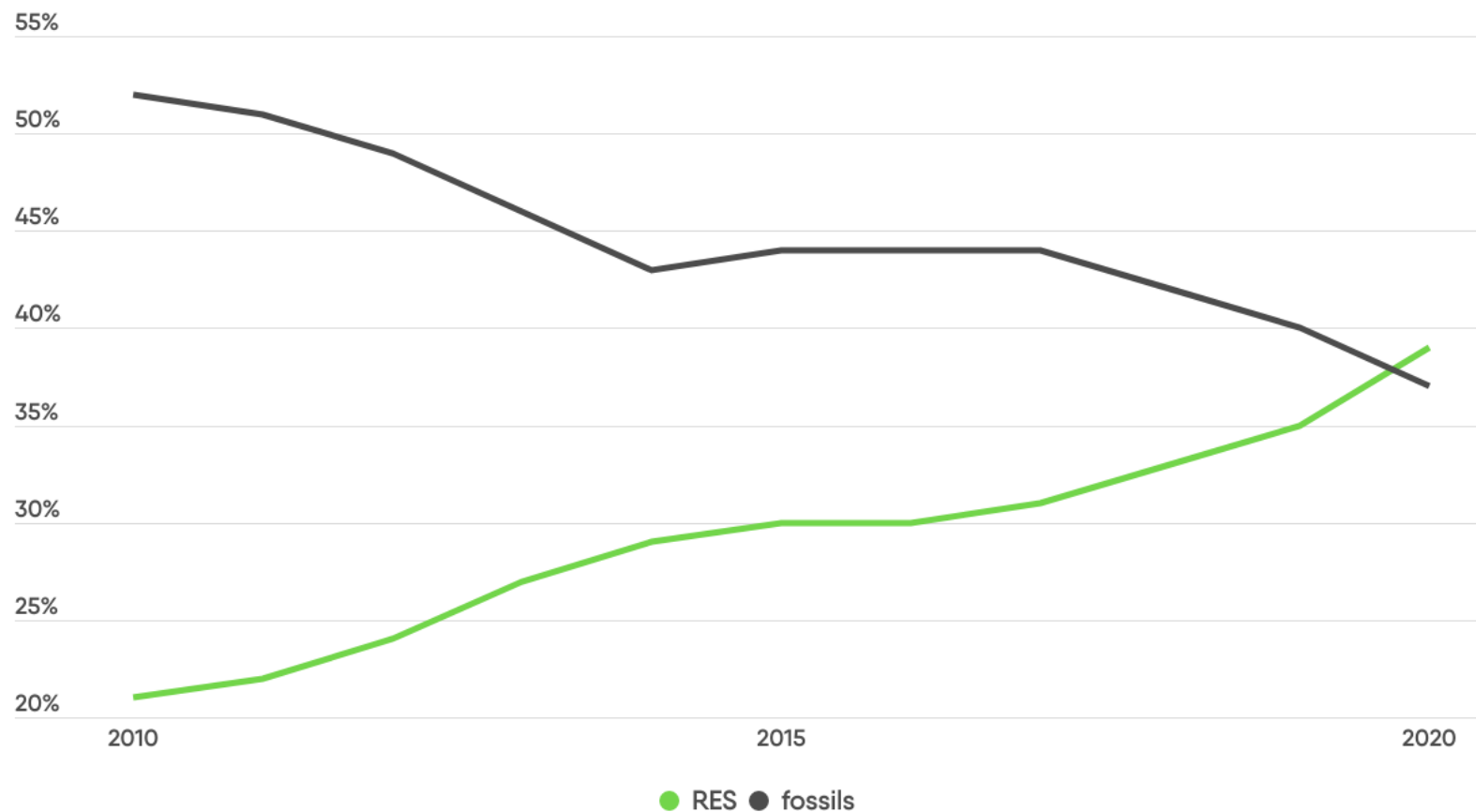


几年前预计电力行业将于2045-2050年实现脱碳。

新的政策建议将使这一时间提前至2035-2040年。

# 2020年: 可再生能源发电量超过化石能源

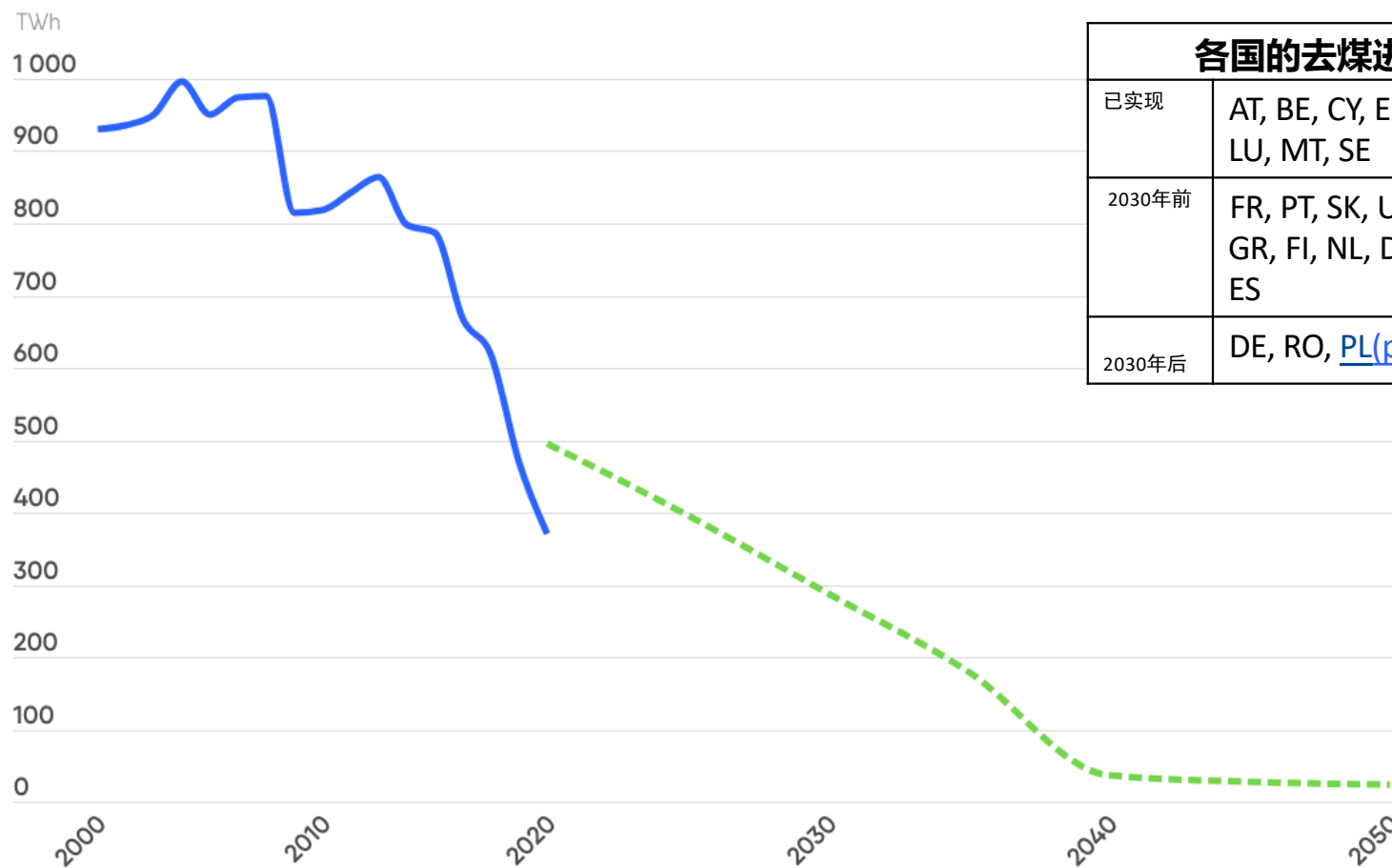
% of total electricity generation



electric  
energizing people

Source: Eurelectric calculation from Eurostat (2010-2019); Ember-Agora (2020)

# 煤电发电量下降速度超过预期



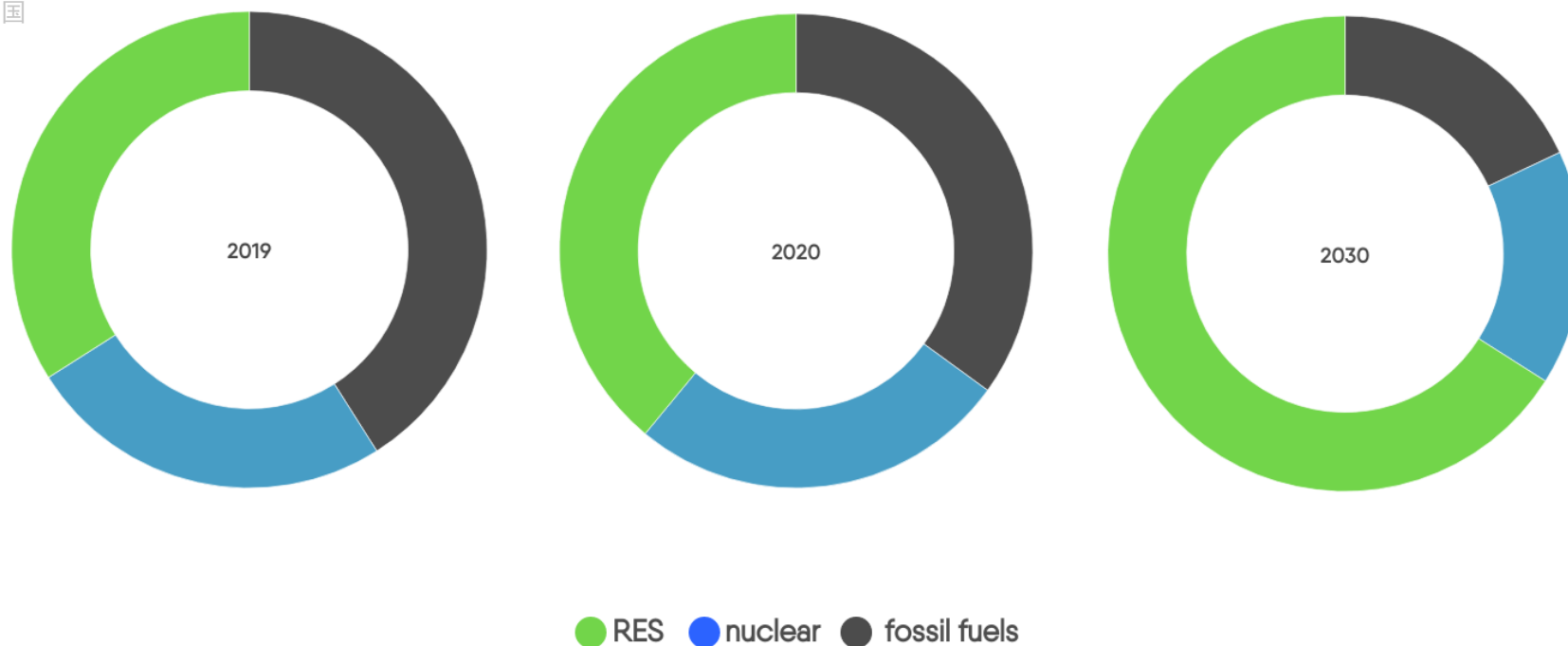
各国的去煤进程	
已实现	AT, BE, CY, EE, LV, LT, LU, MT, SE
2030年前	FR, PT, SK, UK, IT, IE, GR, FI, NL, DK, HU, ES
2030年后	DE, RO, <u>PL(partial)</u>



Source: Eurelectric's analysis based on European Commission's Baseline Scenario; Eurostat; EMBER Climate

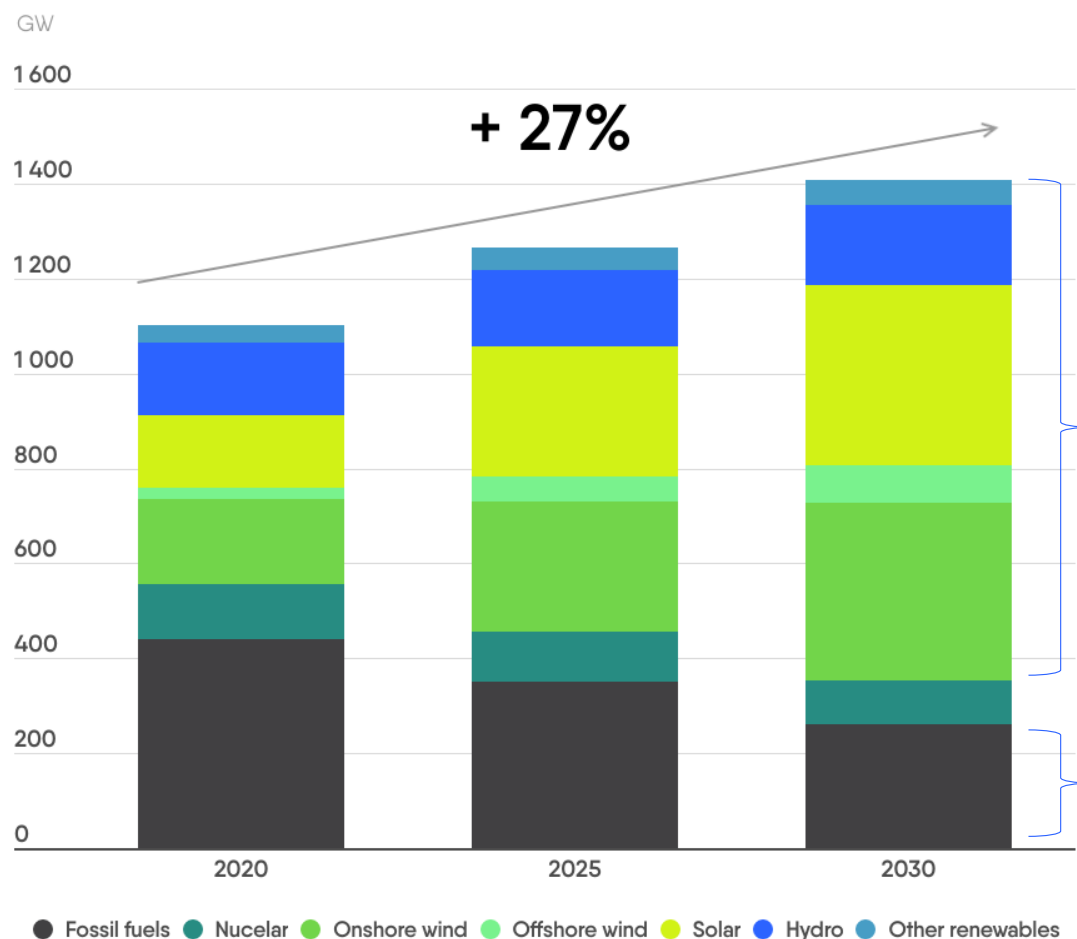
# 到2030年电力行业82%实现脱碳

欧盟27国+英国



Source: Estimation from Eurostat (2019), Ember-Agora (2020), 2030 Impact Assessment report of EC (2030)

# 碳中和需要所有技术的参与



2021-2030

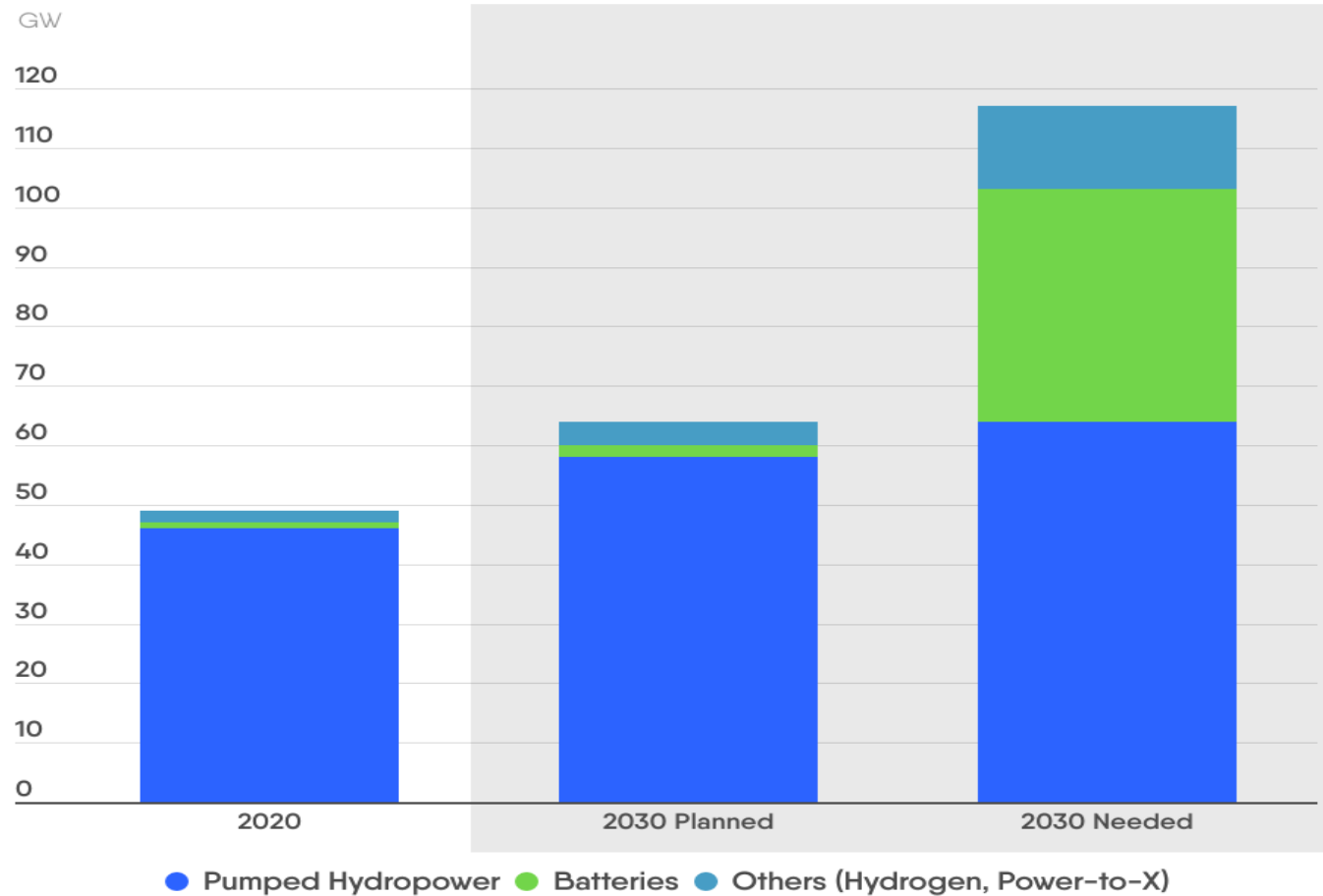
+93% 可再生能源

-40% 化石能源



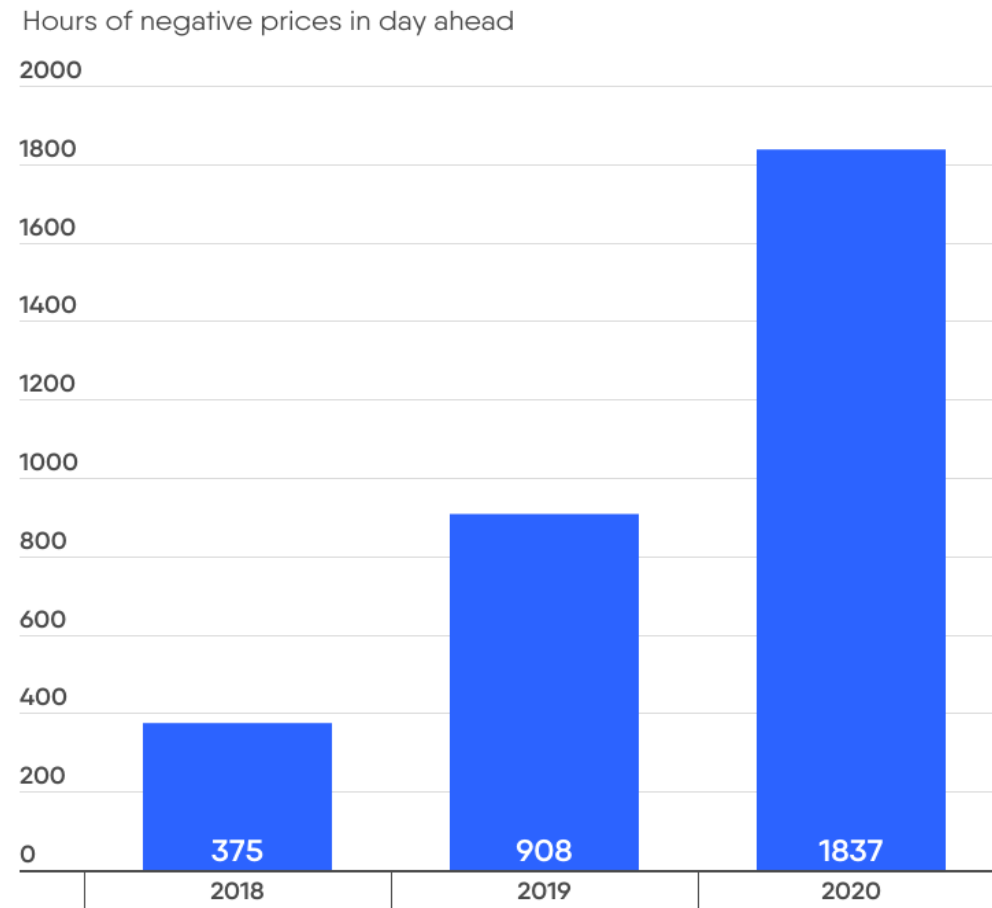
Sources: Eurelectric analysis based on Eurostat (solar, hydro & other RES), Wartsila, WindEurope (offshore & onshore), most ambitious scenarios from the EC LTS

## 储能：电力行业脱碳的潜在瓶颈？



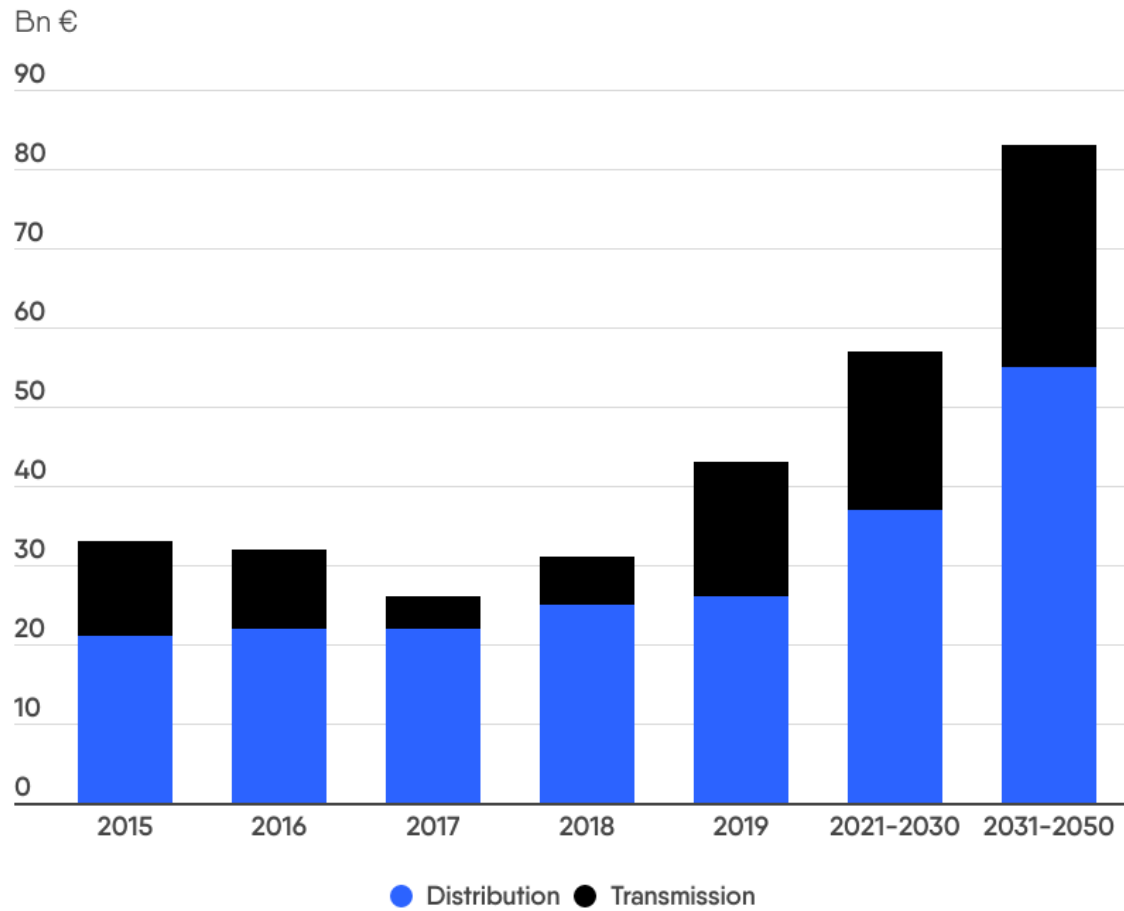


## 市场的重要挑战: 负价格

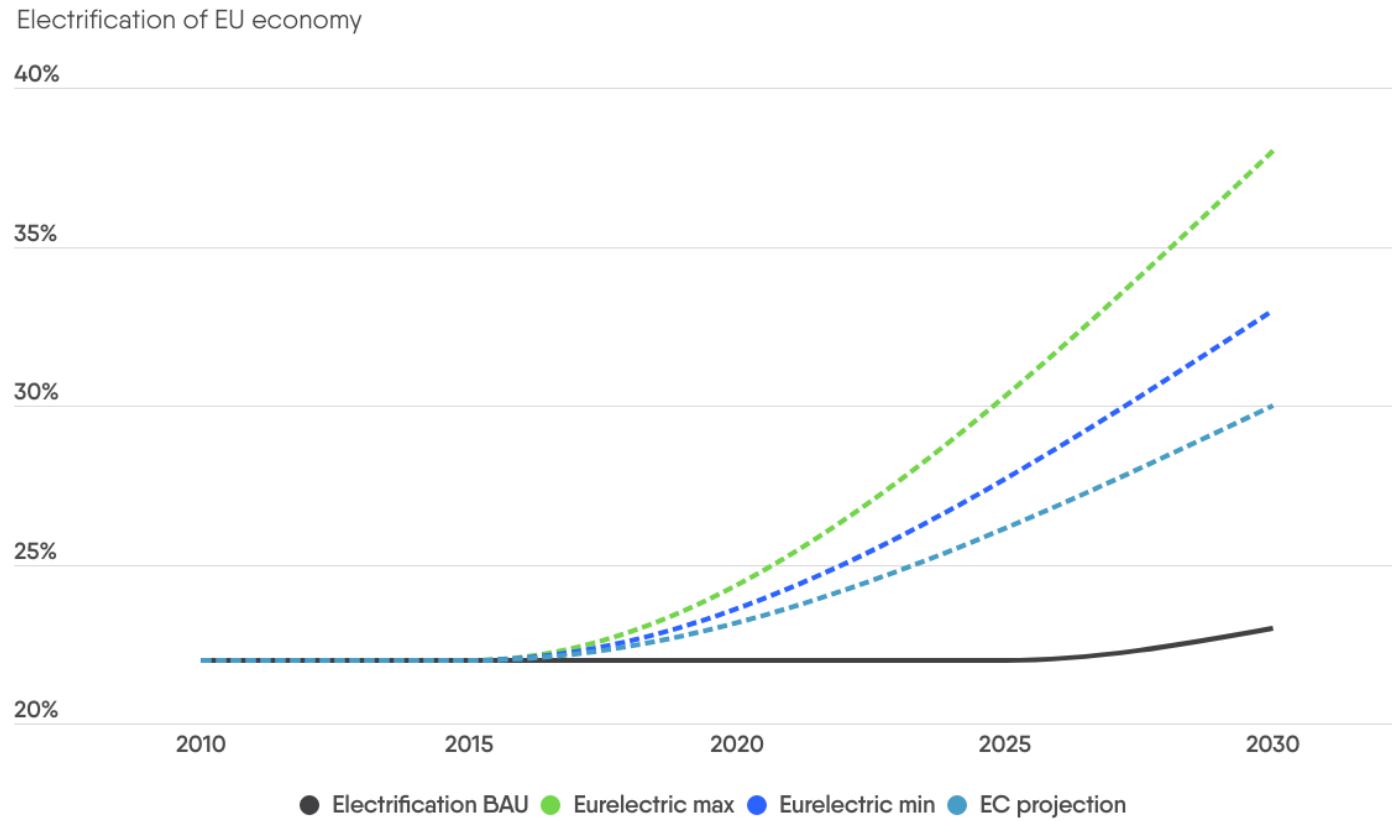


Source: Wartsila (ENTSO-E data)

# 电网投资需要大幅增加



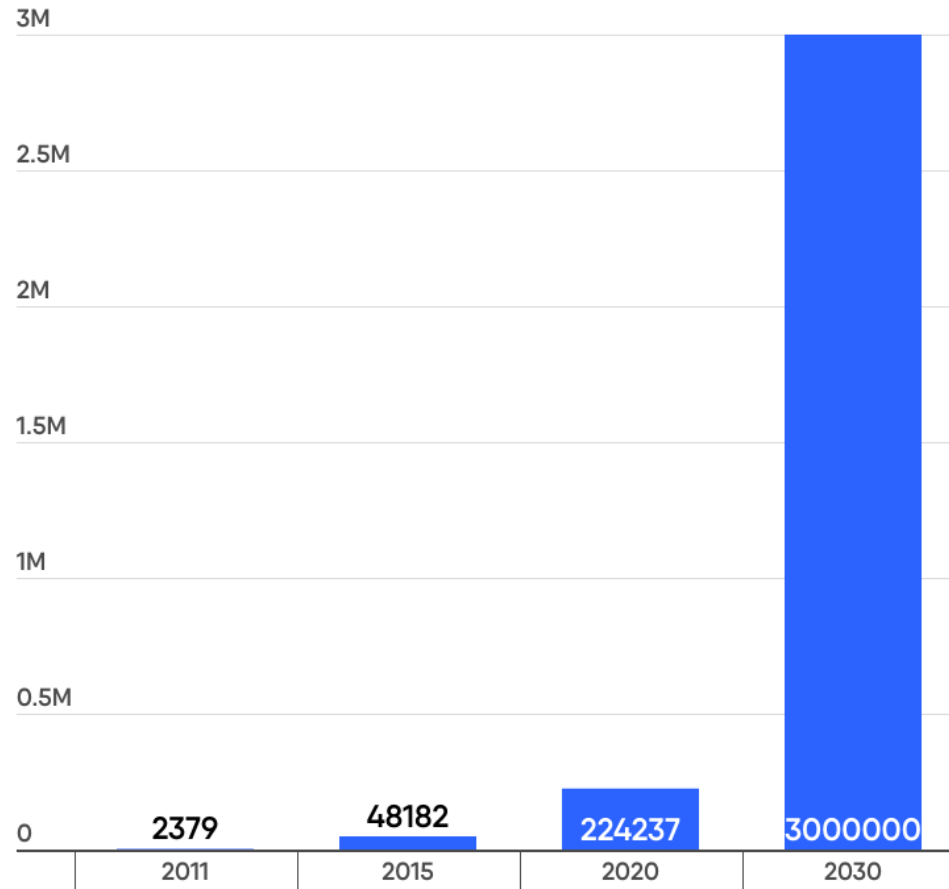
# 电气化需要加速并进一步深化



Source: Eurostat; EC 55 % GHG reduction impact assessment; Power Barometer 2020

# EV充电站数量有待增加

Number of charging stations

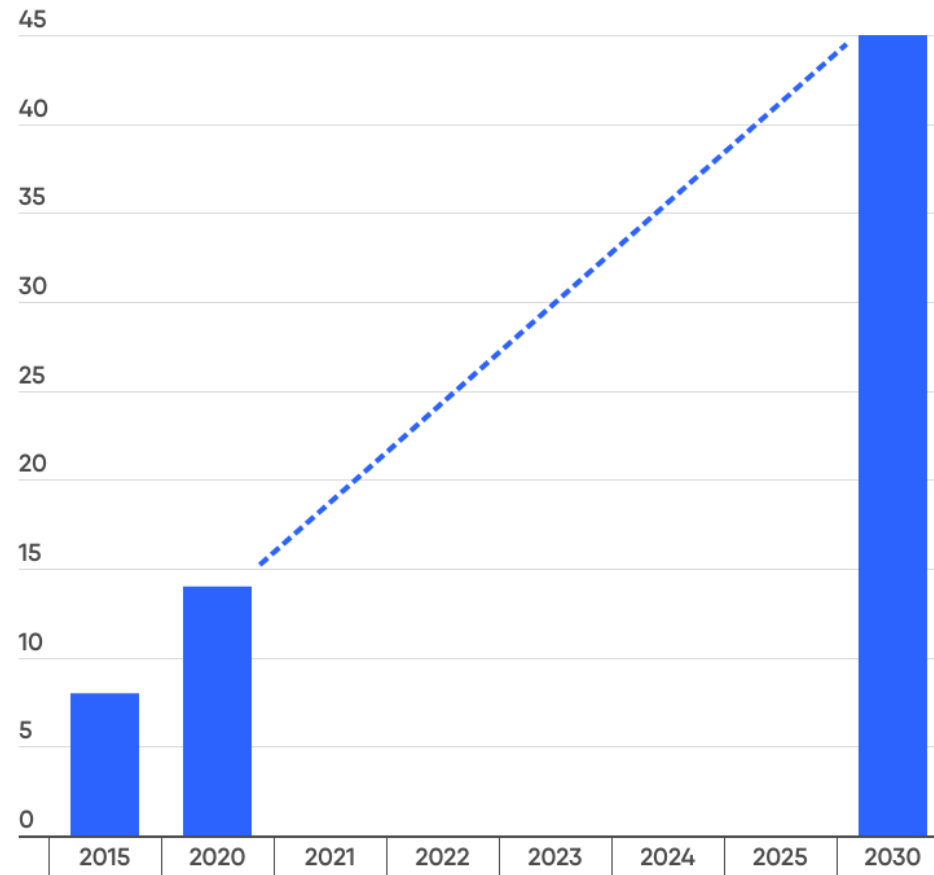


Source: T&E Europe



## 热泵销量亟待增长

Cumulative number of heat pumps (in Millions)



Source: European Heat Pumps Association



**Thank you!**

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