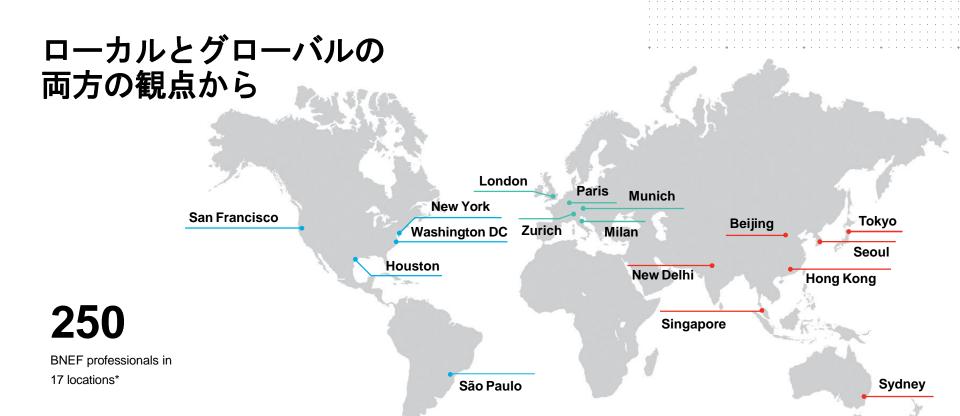
# 再生可能エネルギーのコストと調達方法

**RE100** 

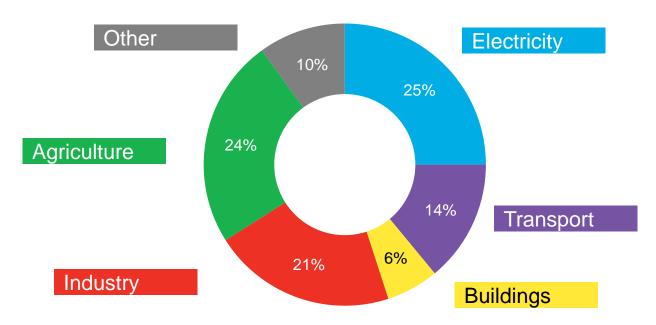
August 3, 2021



\* Part of the Bloomberg LP network of 19,000 employees in 176 locations.

### 世界の温室効果ガスセクター別内訳

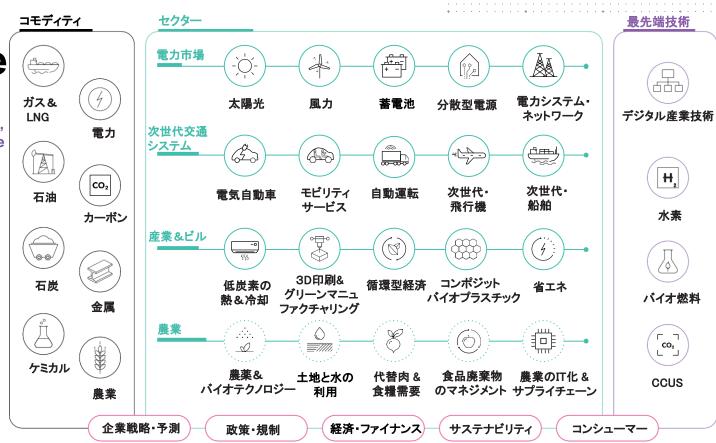
#### **Greenhouse gas emissions by sector**



Source: International Energy Agency

# **BNEF** coverage

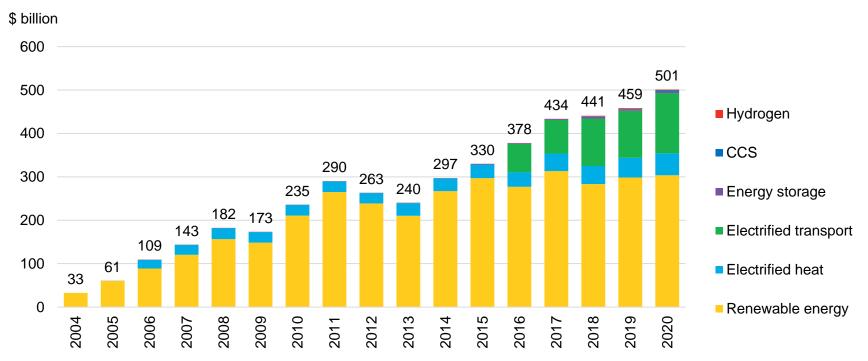
Strategies for a cleaner, more competitive future



**Bloomberg NEF** 

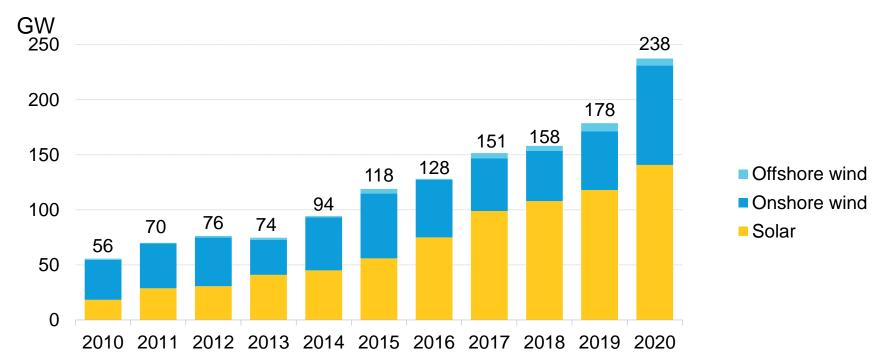
# 再工本市場動向

## 脱炭素技術への投資は2020年、\$500bnを 超える



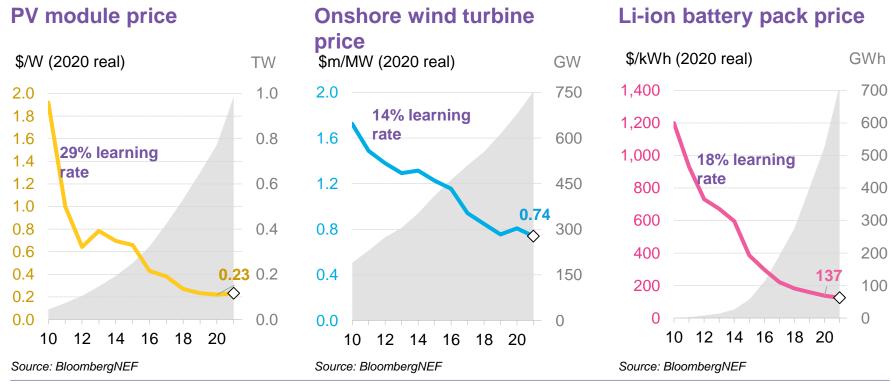
Source: BloombergNEF

## 2020年の太陽光と風力新規導入量が 238GWと記録更新

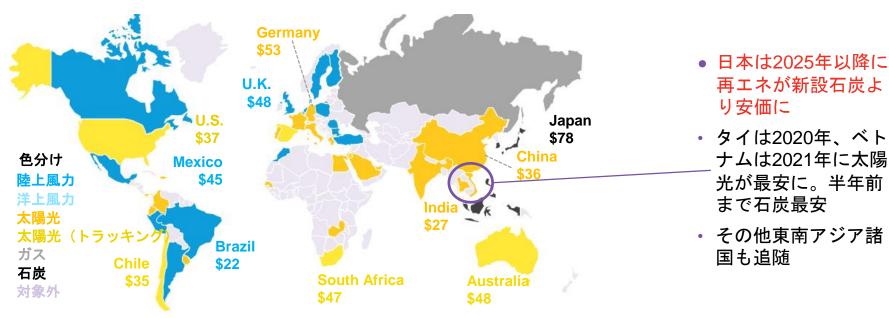


Source: BloombergNEF

### 再エネ機器の価格下落

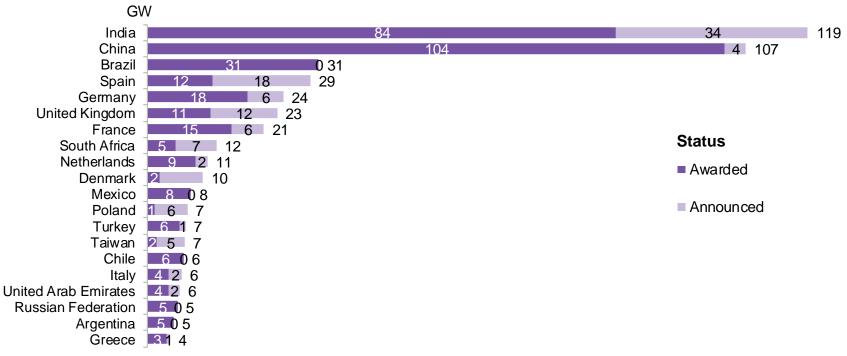


# 新設発電所にて再エネが最安の国は世界の3分の2に増加、再エネを経済的に選択する動きが広まる



Source: BloombergNEF. Note: The map shows the technology with the lowest LCOE for new-build plants in each country where BNEF has data. The dollar numbers denote the per MWh benchmark levelized cost of the cheapest technology. All LCOEs are in nominal terms. Calculations exclude subsidies, tax-credit or grid connection costs. CCGT is combined-cycle gas

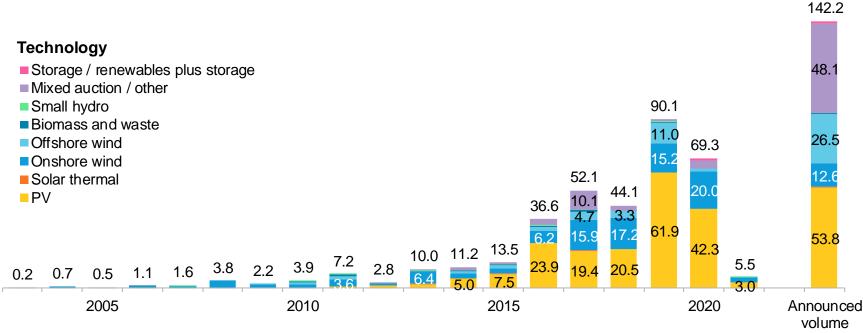
# Countries with highest auctioned and announced renewables capacity



Source: BloombergNEF. Note: Figures are cumulative over 2003-20. Uses plant-level data for auctions where support is awarded for generation.

# Annual auctioned and announced renewables capacity by technology

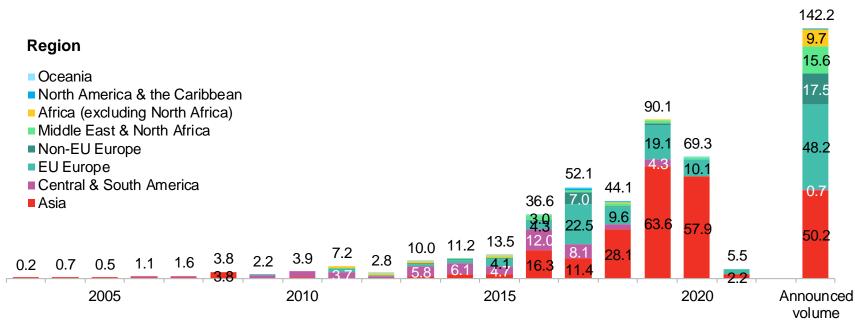
**GW** 



Source: BloombergNEF. Note: Uses plant-level data for auctions where support is awarded for generation.

# Annual auctioned and announced renewables capacity by region

**GW** 



Source: BloombergNEF. Note: Uses plant-level data for auctions where support is awarded for generation.

# 日本の現行入札制度では上限価格に張り

#### 日本の最初の入札前のBNEFの3つのシナリオ

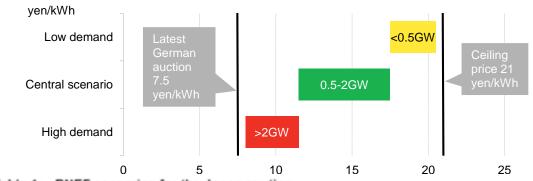


Table 1: BNEF scenarios for the Japan auction

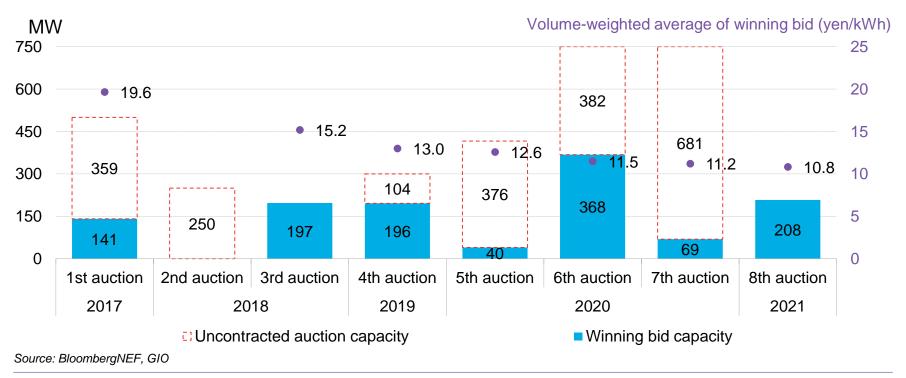
Scenario	Price range	Volume range	Probability
Central	12-17 yen/kWh	0.5-2GW	Highest
Low demand	18-20 yen/kWh	<0.5GW	Medium
High demand	8-11 yen/kWh	>2GW	Lowest

入札が導入されると、価格は他国 では29%から50%削減される

● 結果として19%削減

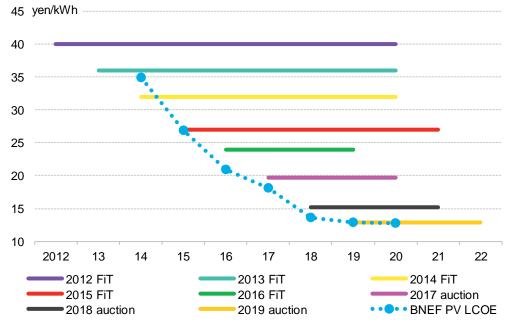
### 落札容量が少ない

#### 国内の太陽光発電入札結果



### 太陽光発電コスト削減が鈍化する一方、 買取価格は下がり続ける

太陽光発電買取価格とプロジェクトコストの推移



Source: BloombergNEF, Ministry of Economy, Trade, and Industry

### 開発リスクを下げつつ地域に還元できる 入札制度が必要

#### 地域で求められる入札制度

- 系統の確保、利害関係者との調整、環境影響アセスメントを終えた適地
- 地域の銀行、地元の事業者・建設業者・OMサービス企業、地域新電力
- 環境価値
- 地域電源
- 脱炭素目標

# 企業の再エネ調達費用

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