

# Assessing the Opportunity offered by Corporate PPAs for Offshore Wind Offtake

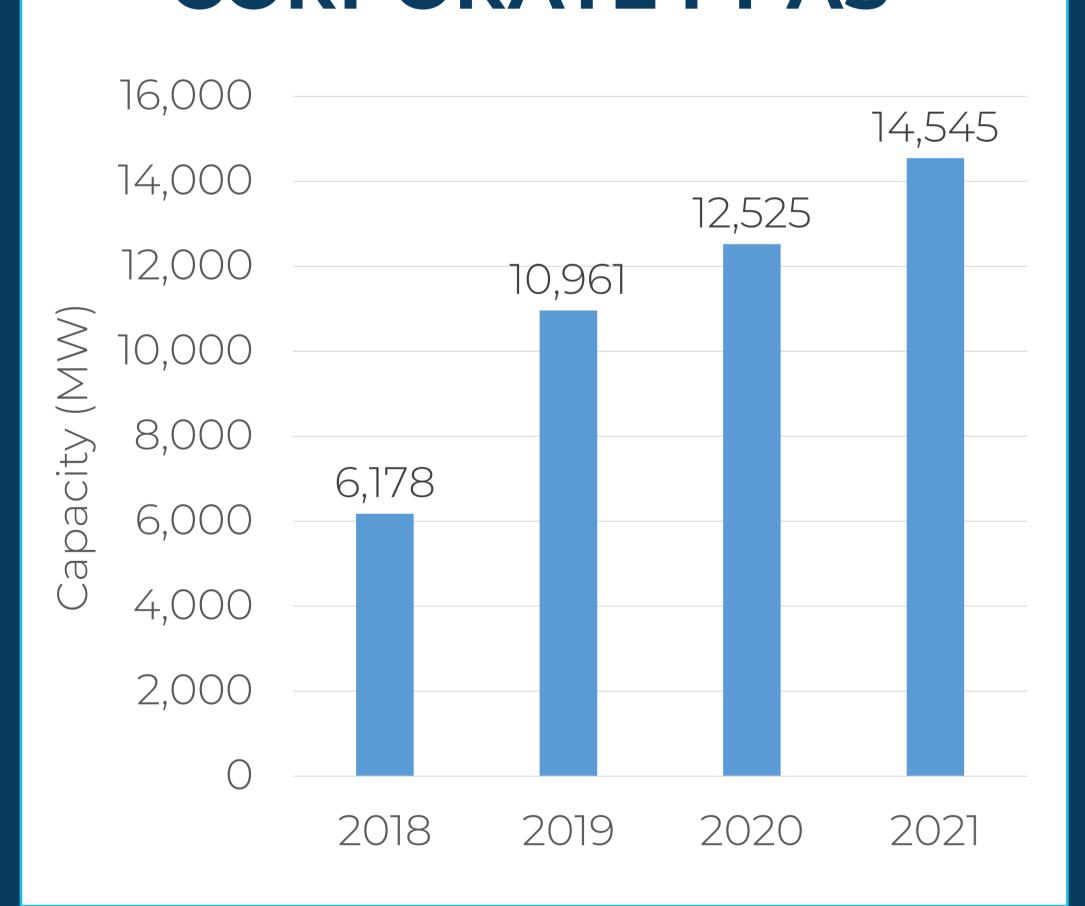


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# CORPORATE PPAS FOR OFFSHORE WIND

- Corporate PPAs enabled development of thousands of MW of wind & solar in US
- Corp PPAs a possible OSW offtake model:
  - BOEM lease in Gulf of Mexico adjacent to states without OSW procurements mandates
  - Little history of competitive procurements for renewables
  - US Northeast: project expansions & residual lease area

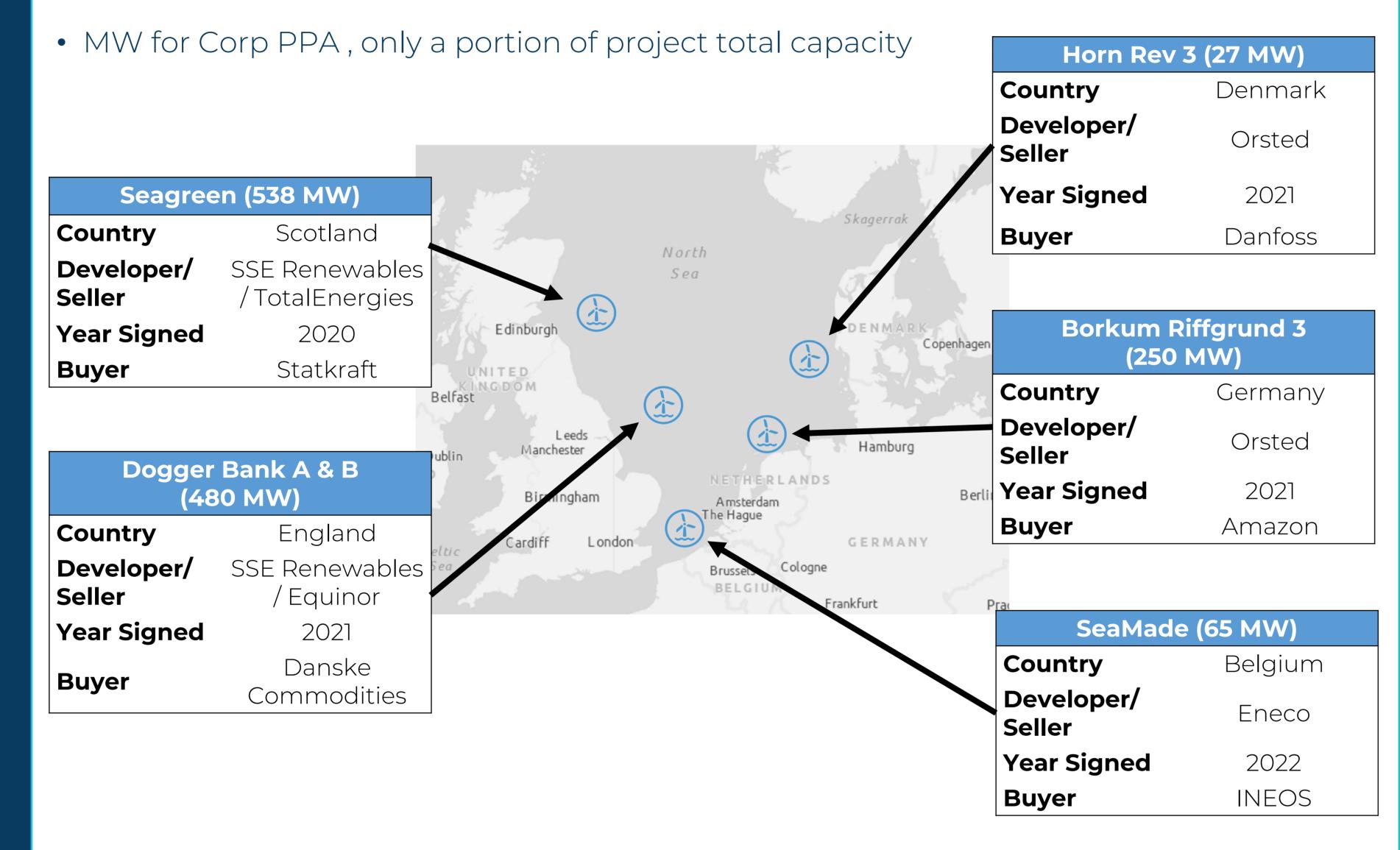
# US AND CANADA CORPORATE PPAS<sup>1</sup>



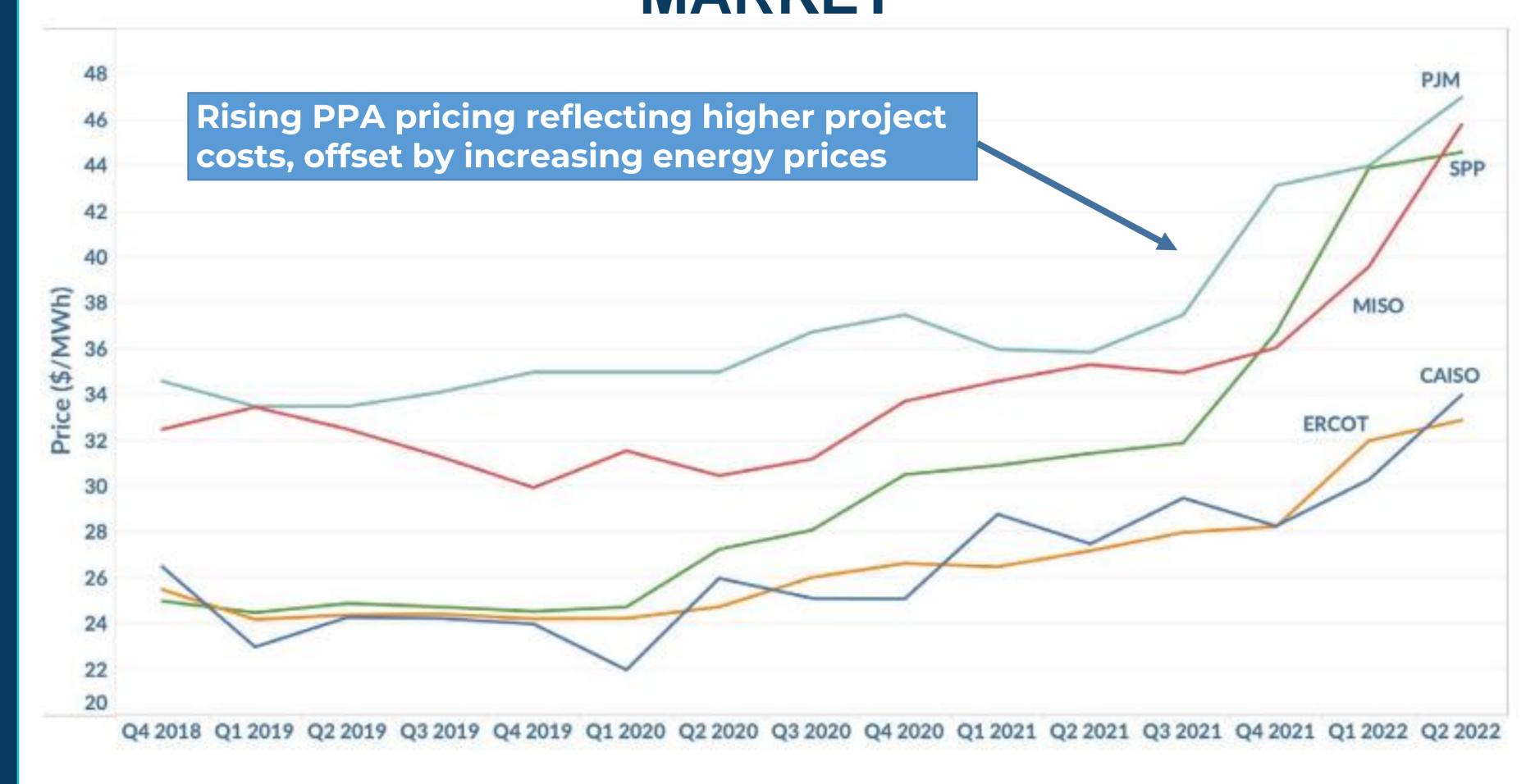
# CORPORATE PPA STRUCTURES

- Majority virtual PPAs
  - Financial transactions settled relative to physical delivery point based on market price relative to strike price
  - When market price > than strike price seller pays buyer difference

# **EUROPE CORPORATE OSW PPAS**



# US CORPORATE SOLAR PPA PRICING BY MARKET<sup>2</sup>



# **VALUE OF OSW CORPORATE PPAS**

- Large volumes of clean energy
  - Hydrogen?
- Close to load centers
  - Reducing transmission costs
  - More favorable basis
- Additional value given diversity
  - Winter pricing differential

# LIMITATIONS OF OSW **CORPORATE PPAS**

- Pricing highly competitive, with little to no premiums for renewable attributes
  - Constraining pricing expectations

- Tenor of Corp PPAs short
- Long duration Corp PPA is 10+ years.
- Credit quality of counterparties
  - Limiting pool of qualified buyers

- Procurement volumes often modest
  - Relative to OSW project sizes
  - Requires portfolios of buyers
  - Can strength credit quality
  - Additional complexity associated with a portfolio
- Net result limits financial certainty of revenues

### FAVORABLE FUTURE OUTLOOK

- Continued declines in cost of OSW
- Increasing carbon constraints
  - Creating opportunities for green hydrogen
- Increased focus on ESG

#### REFERENCES

1 Bloomberg NEF, Q4 2021 and Edison Energy 2 LevelTen Energy Q4 2021 PPA Price Index 3 US Offshore Wind Market Report: 2022 Edition

#### **CONTACT INFORMATION**

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# POWER ADVISORY OSW **EXPERIENCE**

Services

- BOEM Auction Support Procurement Support
- Market Analysis
- Offtake Assessment
- Transmission Assessment
- Project Development
- Support
- Policy Analysis



New England

Atlantic Canada

New York New Jersey North Carolina

Texas

Louisiana