

# 東南アジアと南アジア に関して

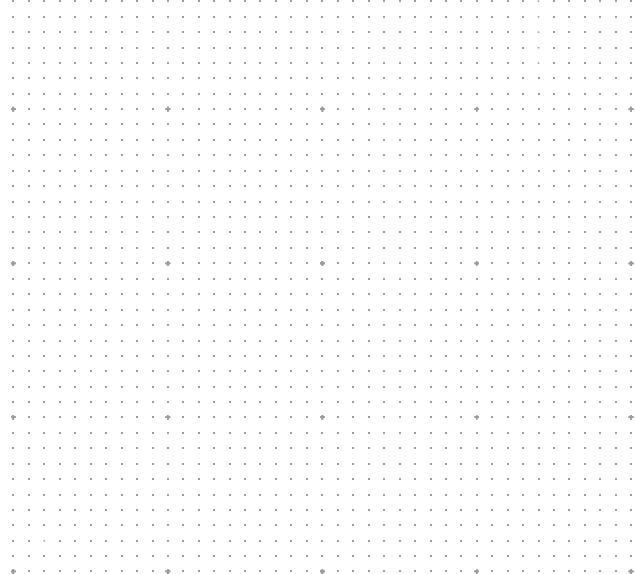
第2回石炭火力発電輸出への公的支援に関する有  
識者ファクト検討会

Miho Kurosaki

April 21, 2020



# LCOE方法論

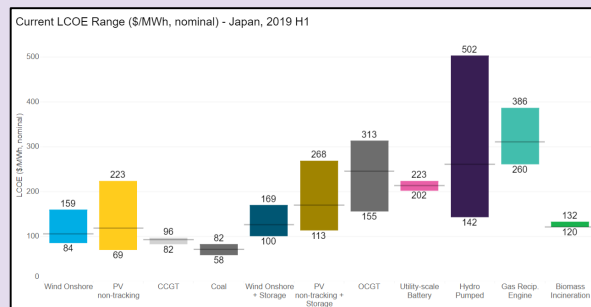


# BNEF LCOE Methodology

- Data sourcing
- LCOE ranges driven by regional variations
- Incorporates:
  - Development cost
  - Construction cost
  - Financing cost
  - O&M cost
  - Interest and tax
  - Fuel cost, etc.

## Definition of LCOE:

The long-term offtake price required to achieve a required equity hurdle rate for the project

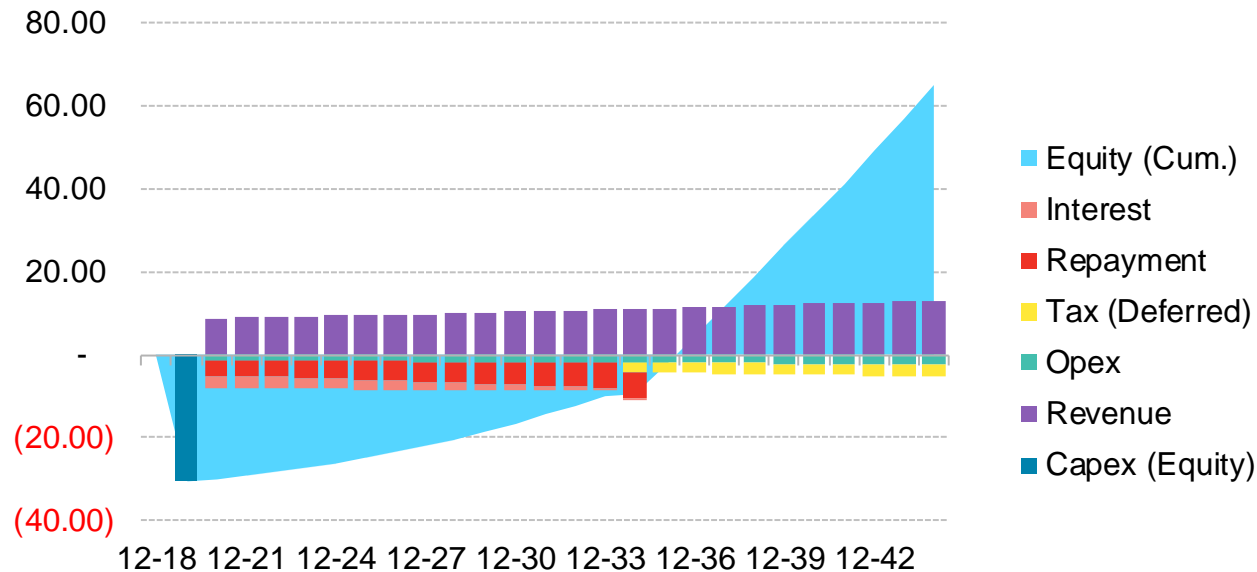


- Use of debt
  - Leveraging
  - Base rate
  - Swap rate
  - Lender's margin
  - Term loan condition
- Macroeconomics and universal assumptions

Source: BloombergNEF

# サンプルプロジェクト

Project Cash Flows (USDm)

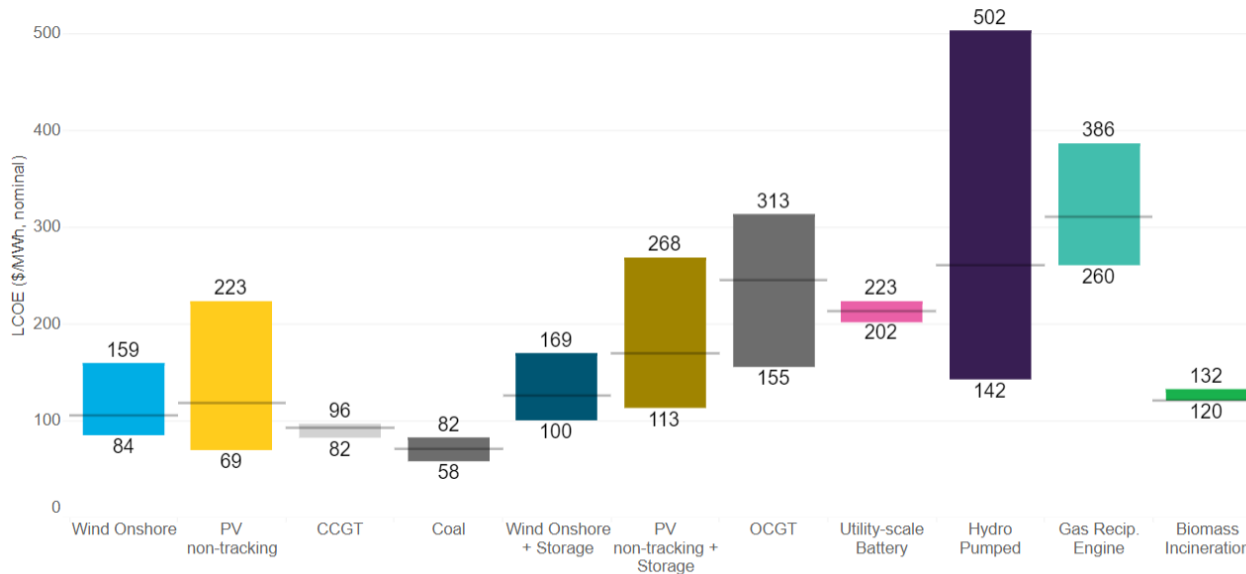


Source: BloombergNEF

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# Similar analysis is done for all major generation technologies

Current LCOE Range (\$/MWh, nominal) - Japan, 2019 H1



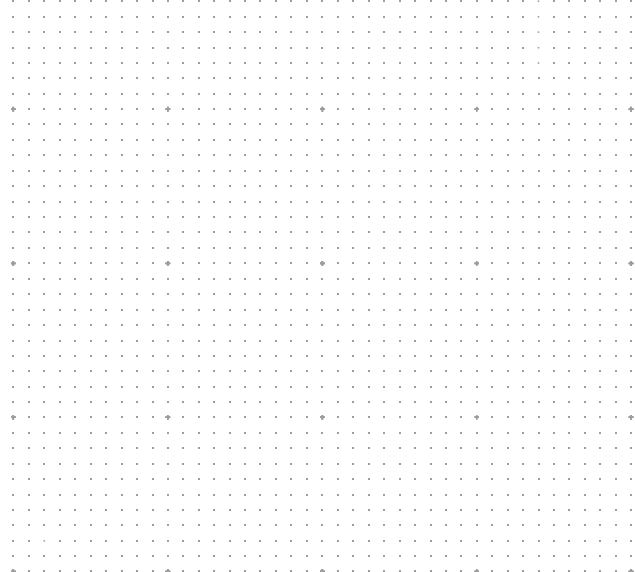
Source: BloombergNEF

# 東南アジア

マレーシア  
フィリピン

# 南アジア

バングラデシュ  
パキスタン



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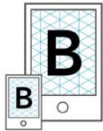
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