

東南アジアと南アジア に関して

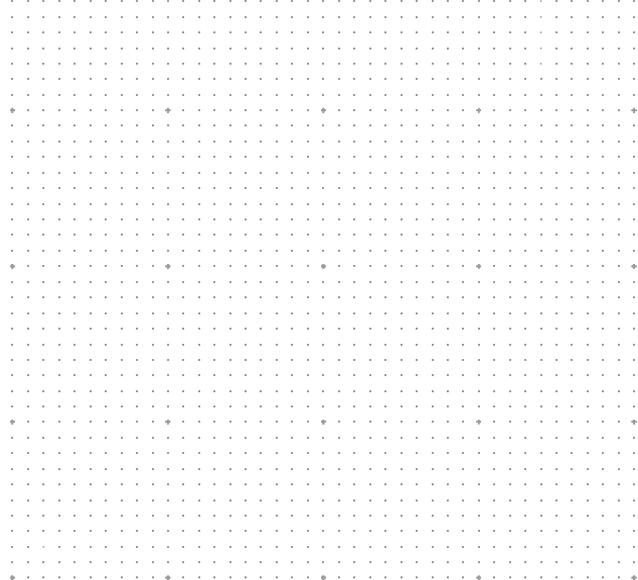
第2回石炭火力発電輸出への公的支援に関する有
識者ファクト検討会

Miho Kurosaki

April 21, 2020



LCOE方法論

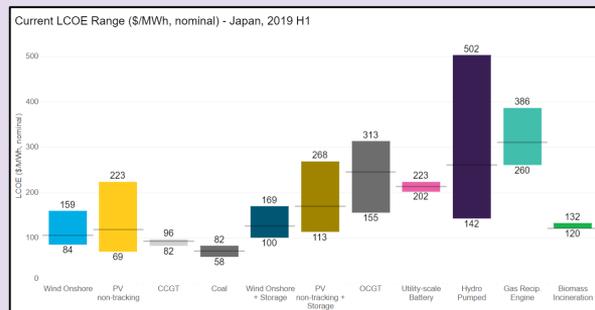


BNEF LCOE Methodology

- 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

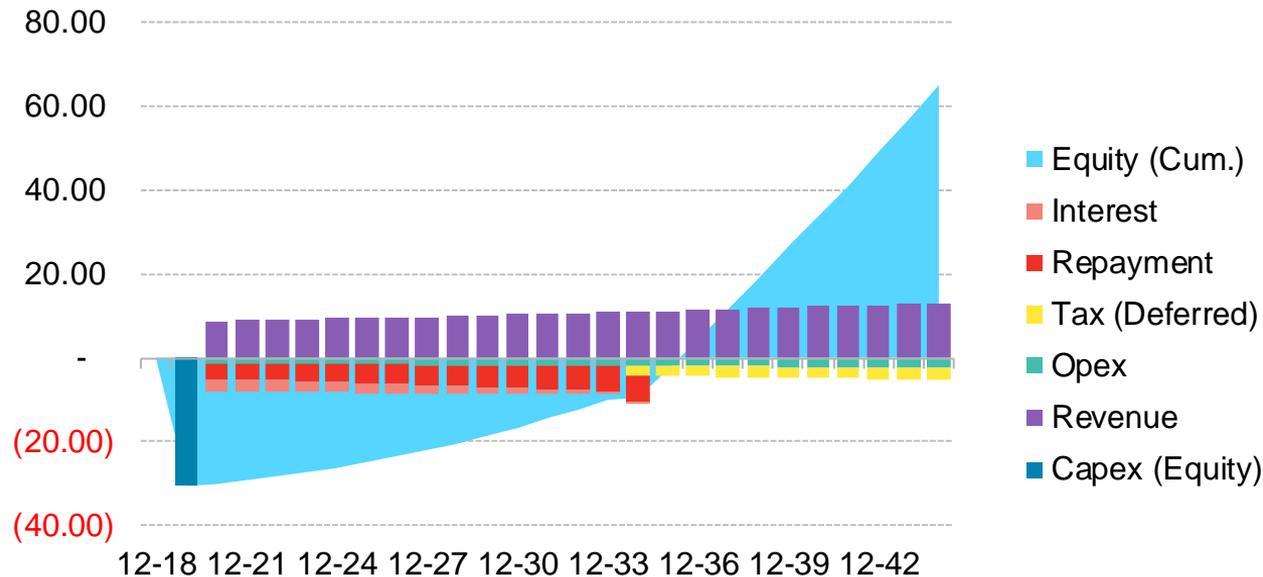


- Use of debt
 - Leveraging
 - Base rate
 - Swap rate
 - Lender's margin
 - Term loan condition
- Macroeconomics and universal assumptions

Source: BloombergNEF

サンプルプロジェクト

Project Cash Flows (USDm)

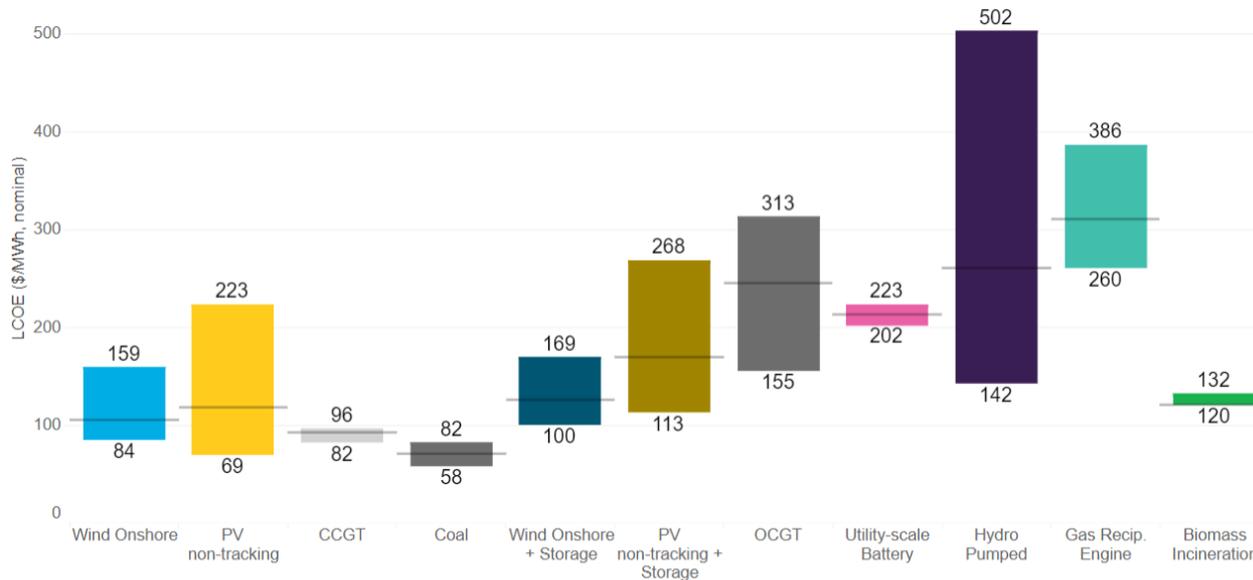


Source: BloombergNEF

Source: BloombergNEF

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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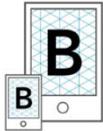
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