

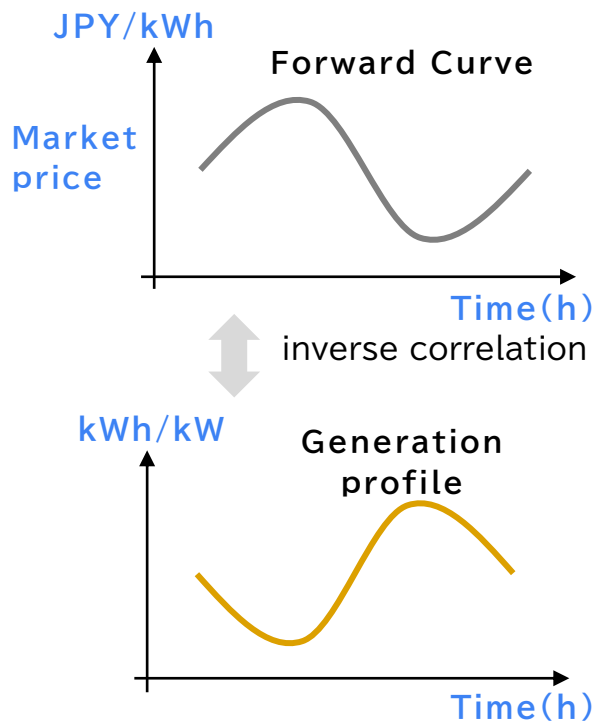
Renewable's electricity valuation service

MPX Renewables



MPX Renewables

- MPX Renewables is our new service for the valuation of renewable's electricity.
- We calculate **capture price for PV and Wind** monthly.



Evaluate market value of renewable energy



※Capture price refers to average market price weighted by the hourly PV /Wind production.

investment decision

Useful information for new renewable project investment

Risk Management

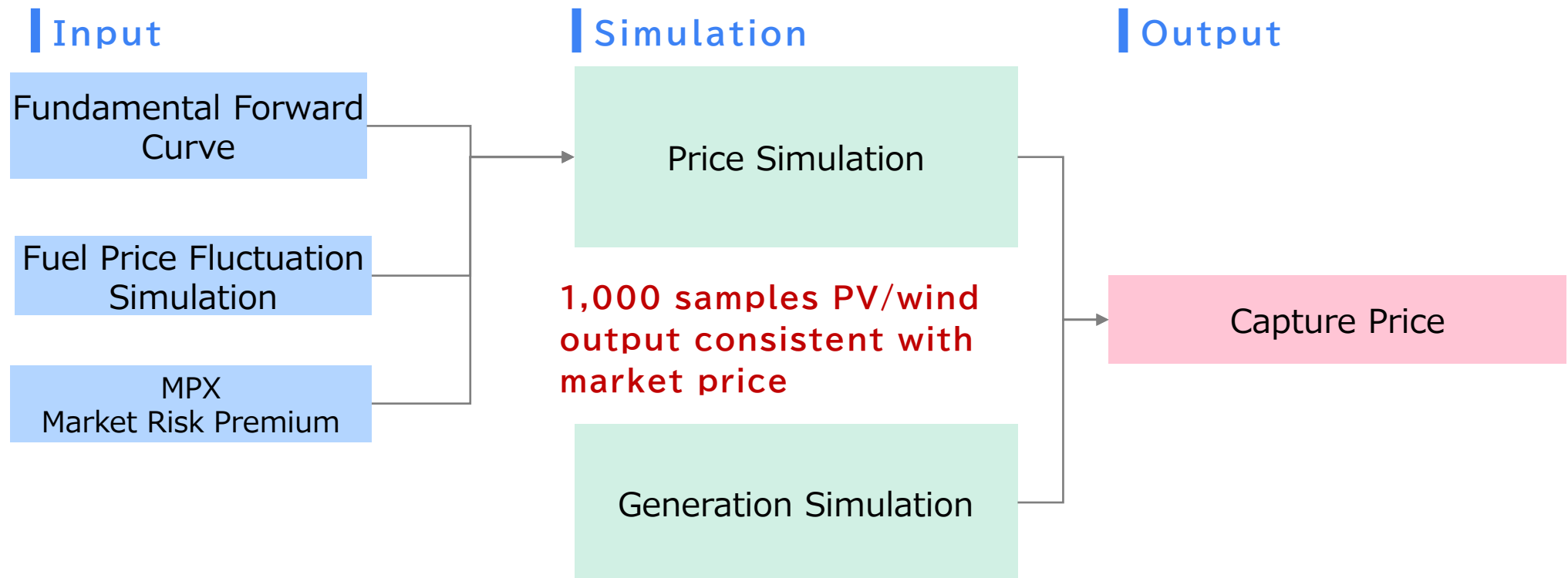
comparison of budget and actual results

Selling/buying strategy

Revenue comparison between fixed price and market price

Our Evaluation Methodology

- We calculate capture price based on market price simulation using fundamental forward curve and PV/Wind output simulation.



Capture Price

Target resource

- PV/Wind

Evaluation period

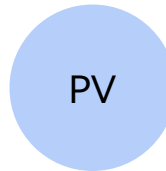
- Monthly report : 3 years
- Quarterly report : 30 years

Data

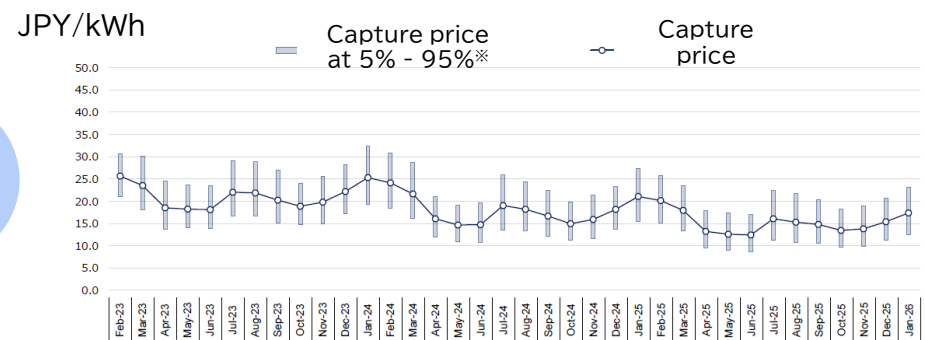
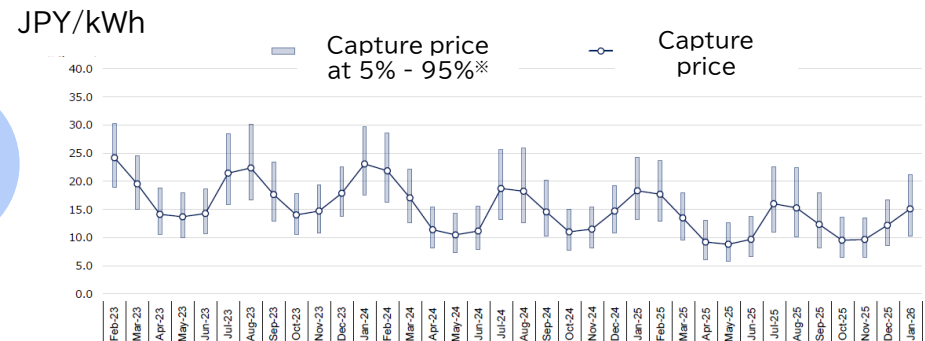
- Monthly average price
- Expected value of 1,000 simulations/5%Tile threshold, 95%Tile threshold

Area

- Hokkaido
- Tohoku
- Tokyo
- Chubu
- Hokuriku
- Kansai
- Chugoku
- Shikoku
- Kyushu

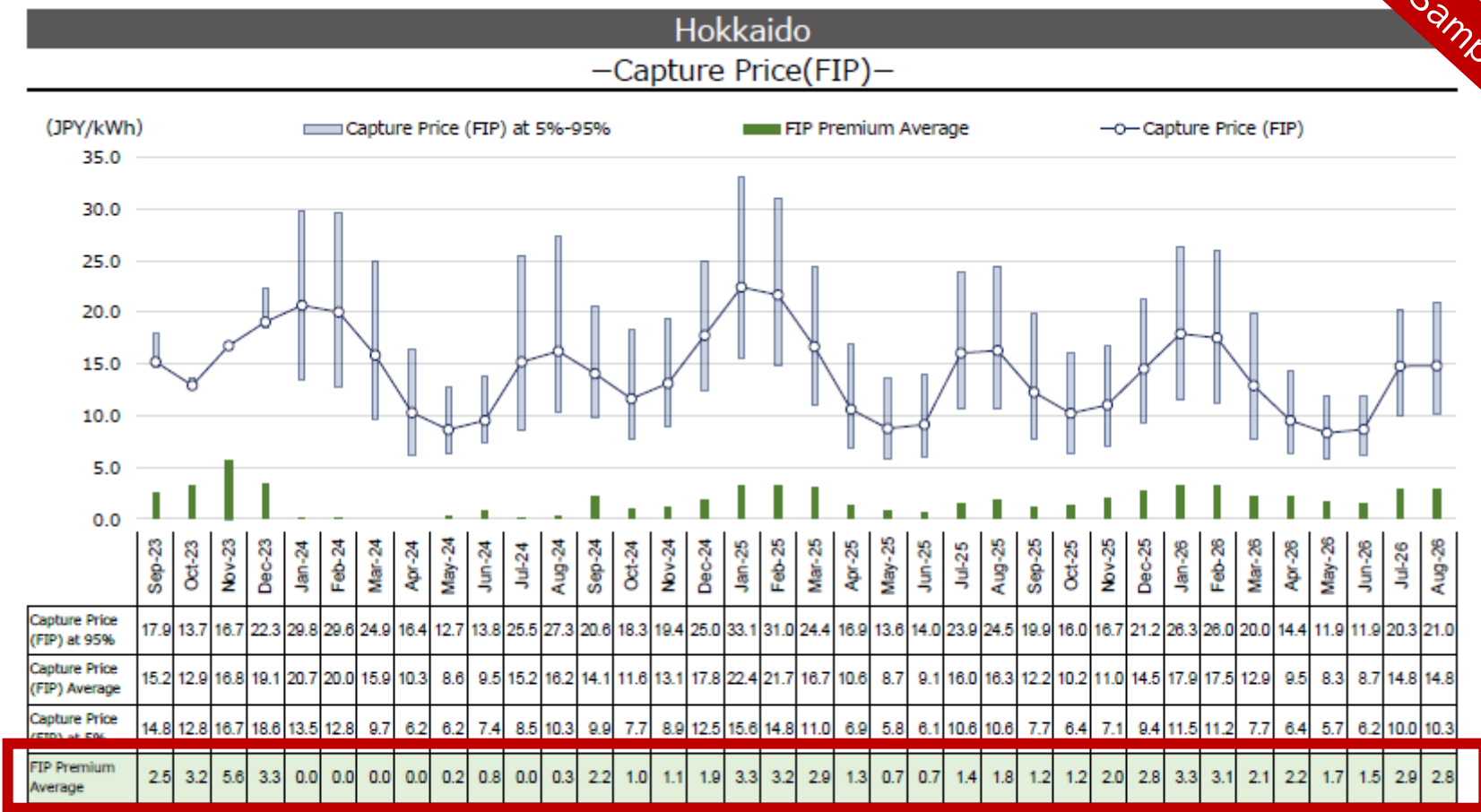


Capture price sample data



FIP Premium

Sample



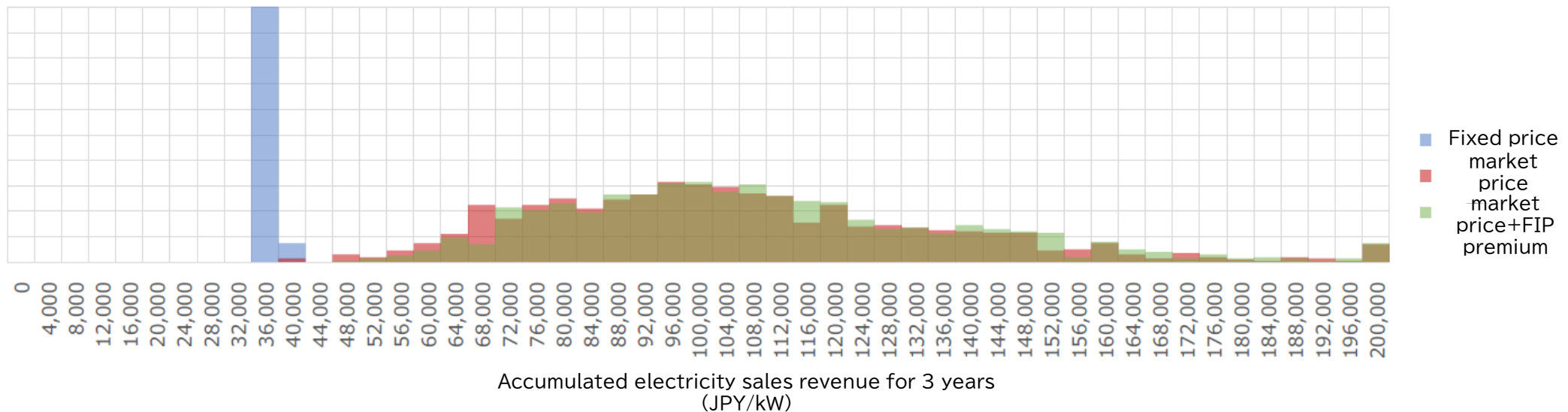
Assumption : reference price 10yen/kWh, non-fossil value=0.6yen/kWh, imbalance cost=0.6yen/kWh.

Risk Profile

- Risk Profile shows cumulative revenue distribution from 1,000 samples.
- This information is useful for comparison between fixed price contract and market price contract of PPA(including FIP).

Risk Profile data sample

Frequency



※Fixed price is 10 JPY/kWh

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