

Methods to resolve system congestion in Japan

- In Japan, various methods are being considered to resolve system congestion caused by insufficient transmission capacity, including Non-firm connections and Methods of resupply.
- The potential exists to resolve system congestion by utilizing DER flexibility in some use cases.



Examples of DER utilization to avoid reinforcement of system facility

- Increased PVs may cause reverse power flow and excess capacity of system facilities.
- By utilizing DER during congestion time periods, reverse power flow can be suppressed, reinforcement of system facility can be avoided or deferred, and reinforcement costs can be reduced.



• With the quantitative evaluation using the above model case, qualitative issues were revealed.

