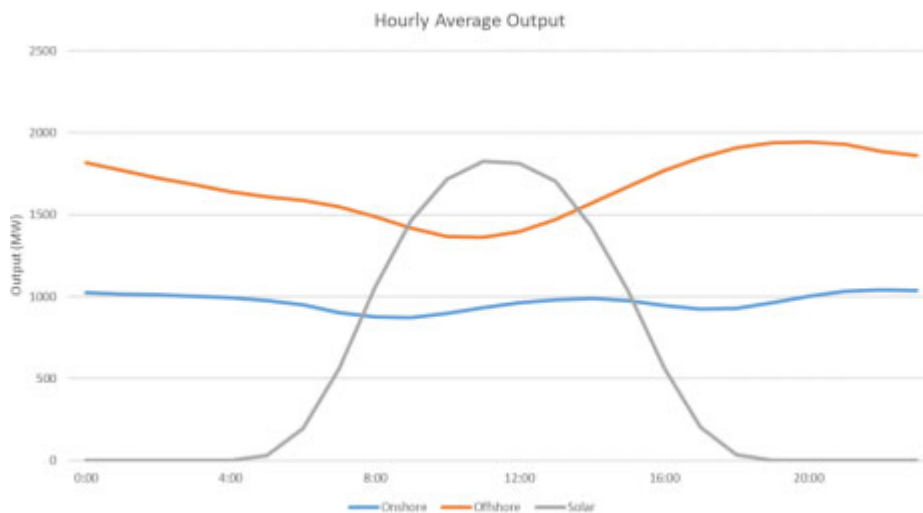


September 4, 2019 NYSRC ICS Meeting #223 Report - Howard Kosel
Prepared for the September 13, 2019 EC meeting

- **High Renewable Sensitivity:** NYISO and GE presented the assumptions for the high renewable sensitivity that will be performed on the 2020 IRM preliminary base case which will model 4 GW of solar, 4 GW of onshore wind and 4 GW of offshore wind. The presentation focused on the offshore wind data which will utilize NREL wind data from the NY Harbor, LI South Shore and LI East End. The NREL data was adjusted to account for wake losses, electrical losses and forced outages which in aggregate reduced the output by ~11%. The 4 GW of offshore wind will be split evenly between NYC and LI. A snapshot of the average daily output of the incremental renewables is shown below. As discussed previously, the sensitivity will be provided as a separate whitepaper and not included in the 2020 IRM report.



- **SCR Event vs Test Performance:** The NYISO presented a comparison of SCR performance during actual events compared to performance during tests. A sensitivity, previously approved by the EC, will be performed as part of the 2020 IRM report. Based on the data provided by NYISO, SCR performance during tests and events was 68% (current modeling methodology) and declined to 63% during actual events only. Going forward, ICS will evaluate new methods of modeling SCRs including reflecting their energy limited nature to better reflect their capacity value in future IRM studies.
- **Future Whitepapers:** ICS began the discussion of future topics that will require additional studies and whitepapers going forward, some of topics discussed include:
 - Modeling of Energy Limited Resources utilizing GE's new software features (SCR, Storage, Pumped Hydro etc.)
 - Simplifying the External Area modeling
 - Load Shape modeling
- **2020 IRM Parametric and Preliminary Base Case:** ICS reviewed and approved the 2020 IRM Parametric Study and the Preliminary Base Case Tan45 results. The results and documents for EC approval are provided as a separate agenda item.
 - **Completion Target:** September 4, 2019
 - **EC Required Action:** EC Approval September 13, 2019