Instructions for using the PJM Solar Calculators for Planned Solar Projects

1) If the planned project is of a fixed panel design, please use the solar calculator entitled "Class Average Solar Capacity Factor Calculator for Fixed Panel Projects."
2) If the planned project is of a tracking design, please use the solar calculator entitled "Class Average Solar Capacity Factor Calculator for Tracking Projects."
3) In either case, if there are different panel sizes, please complete the calculator for each group of panel size
4) In either case, if there are different inverter sizes, please complete the calculator for each group of inverter size
5) If the planned project is of a dual axis tracking design, rooftop or utility pole located design, the two calculators posted should not be used; capacity factors will be determined based on the PVSyst report summary or its equivalent that should be submitted with the projects attachment N information if the standard posted class average capacity factors are not used.
6) Data can only be entered in the yellow highlighted cells in the solar calculators.
7) It is expected that project developers submit their PVSyst reports with attachment N in conjunction with the class average values rendered via these calculators.

Providing the PVSyst report (or it equivalent) with your attachment N information will allow us to confirm the data input into the solar calculator (a check). PJM requires that you include in this submittal (the PVSyst report or its equivalent) the following information:

1)   Panels: make, model and quantity
2)   Inverters: make model and quantity
3)   Latitude/Longitude of the project
4)   Requested MFO and MWC
5)   Tilt (if any)
6)   Trackers (if any): model and tracking range

We'd also like to see the 12x24 or the 8760 output from the respective PV modelling software to determine, once we have history, the root cause of the differences (if any) between the PVSyst report and actual performance.

MW values submitted to PJM for study are to be AC.

If you have any questions about the calculator, please email gadssupport@pm.com