Review of: "Mathematical Assessment of the Reliability in a Complex Deregulated Power System"

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Potential competing interests: No potential competing interests to declare.

Improve figure 2 as there are poorly plotted lines. Furthermore, in the same figure 2, the vertical axis indicates that it is load. In what units did you measure that load?

At the beginning of section 2: Mathematical Model, add an explanation about the model used. It is not clear what is meant.

Center figure 3

On page 6, in equation (14) is it T or is it Ti? This is indicated because only T appears on the subsequent line.

Section 3 explains theory about simulation, but the simulation is not visualized. Demonstrate the simulation in section 3.

Explain in a better way the 3 cases you have used. Explain how you optimized the placement of the DGs and FACTS in the power grid topology you used. What optimization method did you use?