Response to Reviewer # 1

We thank the reviewer for comments and suggestions. All the required modifications have been carefully addressed. In particular:

Major comments:

1. The introduction on energy production planning problem has been significantly enriched as suggested by the reviewer
2. Section 2 reports now the complete description of the problem as it has been proposed by EDF: all the constraints have been introduced and the notation homogenized
3. The general organization of the paper has been completely revised. A compact model of the original problem has been introduced and it has been used for describing the applied decomposition and the solution method (Sections (3) and (4)).
4. The Computational results Section has been revised. A table reporting the computational time has been added. The analysis of the results have been improved.
5. A section Conclusion has been added as suggested by several reviewers
6. English quality has been checked very carefully and we have corrected several grammar and spelling mistakes. The paper should be in proper English.

Minor comments:

We thank the referee for the long list of precious and punctual minor comments that he/she made on the paper. All these comments have been taken into account. Thanks.