### Abstract (resumen de 100-250 palabras) / Abstract (summary between 100-250 words)

By means of this work the profitability of some changes in a distribution line will be analyzed, taking as an example a line located in the periphery of the Bulgarian city of Sofia. The analyzed line has one main line with different branches along it. The nominal voltage is of 20kV.

The previously mentioned changes have the objective of reducing the energy losses in the line, reducing in this way the energy that has to be generated to feed the consumers.

The objective of this work is not only to analyze that specific line but to show a way to do such in any other line. On the other hand the load flows that are going to be used are the actual ones, but the same way can be used to make the calculations with future estimations.

### Materias o Palabras claves (máximo 5) / Keywords (maximum 5)

- Distribution Lines
- Energy Loss
- Profitability