











## 5. Considerations

Through this article it was possible to realize that the insertion of distributed generation and storage of energy present advantages for the electrical system, mainly regarding the voltage acting as a voltage support and thereby improving the system voltage profile and attenuating the voltage unbalance. However, there are disadvantages, such as the insertion of harmonics.

Studying the allocation of distributed generation and batteries can mitigate the disturbances caused by them. For the cases analyzed in this article, the allocation of these equipment closer to the distribution transformer contributes for less disturbance insertion and greater voltage support.

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