



IEEE PES Task Force on Open Data Sets

IEEE PES Intelligent Systems Subcommittee

Call for Open Data Sets

Data is becoming more and more important for power and energy systems operation and planning. Advances in telecommunications and digitalization hugely increased the volume of data that results from power and energy components, installations, and systems operation.

Although the power and energy community is fully aware of the intrinsic value of those data, the methods to deal with it still require significant improvements and research.

Data mining and big data techniques are of crucial importance to enable to adequately manage the huge amounts of data and to catch and explicit the knowledge underlying in those data. The interest of the power industry in these techniques is, however, relatively recent. Research, development, and innovation in these fields require the availability of datasets that should be as realistic as possible. Datasets based on data measured in existing installations and systems is especially important.

The lack of good quality datasets publicly accessible is a barrier felt by the people working in the area. Public datasets are required to foster the activities in data related research and use making it possible for researcher and professionals in the field to make comparisons among diverse methods and solutions.

It is, thereby, essential to gather significant amounts of relevant data in the power and energy domain, in order to enable the experimentation, development, and analysis of those techniques and their successful use and dissemination in practice.

The **IEEE PES Task Force on Open Data Sets** makes power and energy related data sets available whenever confidentiality and data property issues do not prevent their public use. These data are intended to be used by researchers and other professionals working in power and energy related areas and requiring data for design, development, test, and validation purposes. These data should not be used for commercial purposes.

The public data sets are permanently available in <http://sites.ieee.org/pes-iss/data-sets>.

Dissemination of this initiative is taking place so that the number and diversity of the published data sets increase over time and can be used as a valuable public resource.

Your contribution for this initiative is very important. Please **disseminate** and **contribute**; use our **contact points** (gecad@isep.ipp.pt; zav@isep.ipp.pt) **to have all the data that can be made public published in the website.**

This call aims at gathering power and energy related Data Sets, including (but not limited to) the following areas: Consumption, Electric Vehicles, Power Quality, PV Generation, Reliability, Weather Data, Wind Based Generation.

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The **IEEE PES Task Force on Open Data Sets** operates under the **IEEE PES Intelligent Systems Subcommittee**.