Evaluation of scalable pv distributions for government procurement

Flat-panel PV (fixed and tracking), parabolic-trough and power-tower CSP with or without thermal storage or natural gas augmentation are mature enough for commercially application.

Distribution analysis has been completed and the associated how-to report is complete. We"ve also completed a paper on the analysis of weather events implementing machine learning models to ...

The paper presents a comprehensive technical evaluation of grid-connected rooftop solar photovoltaic (PV) systems installed at two public sector buildings located in climatically diverse...

The difference in avoided costs between utility-scale solar and distributed PV are not well known, but as more studies provide insight into these differences, LSEs should consider incorporating that ...

Full evaluation of the costs and benefits of solar requires that a variety of solar options are included in a diverse set of candidate portfolios. The design of candidate portfolios evaluated in the studies, ...

This template contains information on project background, scope of work, proposal requirements, evaluation criteria, and recommended information to provide to respondents.

An EV that is charged with power generated by PV -- a zero-emissions fuel -- will have maximum environmental benefits. For utilities, combining an EV with PV may also reduce the need for capacity ...

These resources provide information and best practices for federal facilities interested in procuring on-site solar photovoltaic (PV) systems.

With the increasing adaption of renewable energy systems onsite, designed to feed site loads, there is a critical need to develop tools that allow the federal sector to become a mature and sophisticated ...

The proposed methodology can be used by Energy Communities, Distribution System Operators, and other stakeholders to evaluate different scenarios, test different aggregations, and ...

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