



Press Release

International Energy Agency Photovoltaic Power System Programme (IEA PVPS) publishes a new report on the impact of the 2015 solar eclipse on the Germany electricity system.

The massive deployment of grid-connected PV in recent years has brought PV penetration into the electricity grids to levels where the behavior of PV matters for the electricity system.

The 2015 March 20 solar eclipse was a major event for the European grid and showed how important understanding the influence of solar eclipse events on electricity systems are. Such events occur on a regular basis and will require some specific preparation from grid operators.

This report shows that forecasting and planning have ensured a problem-free operation of the German electricity system with more than 38 GWp of installed PV capacity during the solar eclipse in 2015. It shows that the integration of renewable energies into the electricity system has already made major progress. This behavior of PV is better understood by system operators and properly managed. It shows that improved forecasting and weather prediction will continue to play a major role in the future PV systems.

Finally, it also shows that steep ramp-up and ramp-down rates coming from high PV penetration might be managed with a proper management at system operation level: the solar eclipse could be seen as a rehearsal of system operations with extremely high shares of variable renewables.

The report can be downloaded from the IEA PVPS website:

- How an energy supply system with a high PV share handled a solar eclipse

<http://www.iea-pvps.org/index.php?id=363>

About IEA PVPS

The IEA Photovoltaic Power Systems Programme (PVPS) is one of the collaborative R&D Agreements established within the IEA and, since its establishment in 1993, the PVPS participants have been conducting a variety of joint projects in the application of photovoltaic conversion of solar energy into electricity. The 29 PVPS members are: Australia, Austria, Belgium, Canada, China, Denmark, EPIA, the European Union, France, Germany, the International Copper Alliance, Israel, Italy, Japan, Korea, Malaysia, Mexico, Netherlands, Norway, Portugal, SEIA, SEPA, Spain, Sweden, Switzerland, Thailand, Turkey, the United Kingdom, and the United States of America.

Follow the IEA-PVPS on



twitter.com/IEA_PVPS

Contact for further information on the reports: Roland Bründlinger, Task 14 operating Agent Roland.Bruendlinger@ait.ac.at
Contact for further information on IEA-PVPS: Gaëtan Masson, Task 1 Operating Agent g.masson@iea-pvps.org