

Examination of NREL RSI Studies and Guidance to States Adopting Interconnection Procedures and Net Metering Laws

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Driver for RSI Studies

The objective of RSI program is to develop the technologies for increasing the penetration of PV into the utility grid while maintaining or improving the power quality and the reliability of the utility grid.



Goals of 15 RSI Reports

- Identify technical and analytical challenges that must be addressed to enable high penetration levels of distributed renewable energy technologies
- Reports address a variety of issues related to distributed systems technology development; advanced distribution systems integration



RSI Reports Cover

- System-level tests and demonstrations
- Technical and market analysis
- Resource assessment
- Codes, standards
- Regulatory implementation



Proposed Deliverable

- This task will connect RSI study effort with the IREC team's work on adopting best interconnection procedures and net metering rules
- To inform Commission staff and provide guidance to states adopting interconnection procedures on significant RSI findings
- Develop key findings for each RSI studies to distribute to state public utility commissions staff



Timeline

- This task starts August 2010
- Coordinate with other DOE efforts on High PV Penetration on the Distribution Grid

