

Review of FERC's SGIP Interconnection Screens

North Carolina Solar Center

March 26th, 2009

Solar ABCs

This study will include a draft revision of the FERC Screens and a questionnaire to distribute to experts in the field.



What are SGIP Screens?

- FERC's Small Generator Interconnection Procedure provides a detailed set of screens that, if passed, assure the applicant that no payment for studies shall be required.
- FERC SGIP (≤ 20 MW)
- First level ≤ 10 kW – “Attachment 5”
- Second level > 10 kW and ≤ 2 MW – “Fast Track Process”
- Third level > 2 MW and ≤ 20 MW – “Study Process”



“Fast Track” Screens

- Tariff jurisdiction
- Generation capacity vs. circuit load (max 15%)
- Network protectors
- Short circuit contribution
- Interrupting capability of existing devices
- Connection type (3 wire, 4 wire)
- Single phase shared secondary – 20% imbalance limit
- Known stability limitations
- Construction would not be required by the utility

- Fails any screen criteria, then “Study Process”



What modifications can be made SGIP Screens?

- 15% peak load on a line section limit
- 5% or 50 kW limit on network or spot network
- 10 MW limit in area with posted stability limits
- Incorporate RSI high PV penetration recommendations



Task

- Draft revision to FERC screens.
- Develop questionnaire covering each of the FERC screens.
- Distribute questionnaire to experts in the field and compile the responses.
- Prepare report including proposed revision to FERC screens based on draft and questionnaire results.



Time Line

- Develop questionnaire July 2009
- Distribute questionnaire September 2009
- Prepare report and draft and questionnaire results July 2010



Questions?

