

Appendix 10

to

Solar BOT Scope Book

Rev. 1

June 6, 2024

|  |  |  |  |
| --- | --- | --- | --- |
| REVISION RECORD | | | |
| Revision No. | Approval Date | Section / Page Revised | Reason / Description of Change |
| 0 | 9/14/2023 | All | Initial Issue |
| 1 | 6/6/24 | PRC-023-4 | Added “or evidence of compliance” |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# 10: NERC Requirements - Effective Date[[1]](#footnote-2)

| NERC Standard | Title | Deliverable | Due Date |
| --- | --- | --- | --- |
| CIP-002-5.1a | Cyber Security - BES Cyber System Categorization | 1)Provide real MW power capability of generator  2) Provide MVAR nameplate rating capability of generator | At FNTP |
| CIP-003-8 | Cyber Security — Security Management Controls | 1)Provide Physical Security Controls  2) Provide Electronic Access Controls 3) Provide Transient Cyber Assets and Removeable Media if required | 60 Days Prior to Substantial Completion |
| COM-001-3 | Communications | Documentation showing the interpersonal communications channels (phones, backup systems) exist and are functioning. | 30 Days Prior to Substantial Completion |
| FAC-002-2 | Facility Interconnection Studies | Evidence of the coordination/communication with the TO as port of GIA development | 120 Days Prior to Substantial Completion |
| FAC-008-5 | Facility Ratings | Facility Rating Report with supporting documentation supporting each equipment rating | 150 Days Prior to Substantial Completion |
| MOD-032-1 | Data for Power System Modeling and Analysis | Evidence that all required data has been provided. | 30 days prior to Substantial Completion  Final updates (if required) within 90 days of Post Substantial Completion |
| PRC-002-2 | Disturbance Monitoring and Reporting Requirements | Provide the required Dynamic Disturbance Recording equipment if required by the Generator Interconnection Agreement | 60 Days Prior to Substantial Completion |
| PRC-005-6 | Protection System, Automatic Reclosing, and Sudden Pressure Relaying Maintenance | 1) List of equipment that must be in the PSMP plan. Must include all facility equipment generation and substation. (Entergy uses a PRC-005 Component list).  2) Test reports or documentation that all listed equipment has been tested. | List of equipment and test documentation: 90 days prior to Substantial Completion |
| PRC-006-5 PRC-006-PRC-006-SERC-3 | Automatic Underfrequency Load Shedding | Attestation that no UFLS is included in facility design  OR  Specific documentation for under frequency/over frequency of protection and control devices included in the facility (including the control systems). | 90 Days Prior to Substantial Completion |
| PRC-012-2 | Remedial Action Schemes | Attestation that no RAS is included in facility design.  OR  Specific documentation for remedial action scheme settings of protection and control devices included in the facility (including the control systems). | 30 Days prior to Substantial Completion |
| PRC-017-1 | Remedial Action Scheme Maintenance and Testing | Attestation that no RAS is included in facility design.  OR  Specific documentation for remedial action scheme settings of protection and control devices included in the facility (including the control systems). | 30 Days prior to Substantial Completion |
| PRC-019-2 | Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls, and Protection | Relay setting documentation and a specific report showing that all limiters operate before protection and control devices including the control systems and the protective system limits damage to equipment. | 90 Days Prior to Substantial Completion |
| PRC-023-4 | Transmission Relay Loadability | Attestation that PRC-023-4 does not apply or evidence of compliance | 90 Days Prior to Substantial Completion |
| PRC-024-2 | Generator Frequency and Voltage Protective Relay Settings | Relay setting documentation and a specific report showing the frequency and voltage responsive relays and control function device comply with the setting requirements of PRC-024 by not tripping in the "No-Trip" zone. | 90 Days Prior to Substantial Completion |
| PRC-025-2 | Generator Relay Loadability | Relay setting documentation and a specific report showing the load responsive relays comply with the setting requirements of PRC-025. | 90 Days Prior to Substantial Completion |
| PRC-026-1 | Relay Performance During Stable Power Swings | Relay Setting Documentation and analysis showing the load responsive relays will not trip during power swings. | 90 Days Prior to Substantial Completion |
| PRC-027-1 | Coordination of Protection Systems for Performance During Faults | Complete package of relays setting documents including analysis to support review by Entergy Transmission. Documentation should include varication of electrical coordination for expected fault currents. | Should be provided before equipment is energized. |
| VAR-002-4.1 | Generator Operation for Maintaining Network Voltage Schedules | 1) Report showing facility design must include alarms for AVC mode off, PSS off, and out of voltage schedule.  2) Report showing pop-up notification in the HMI telling the operator that changing the AVR/controller from AVR to any other mode (PF, VAR control) MUST have documented/written approval from the TCC before changing modes. | 60 Days Prior to Substantial Completion |

**\*\*\* END OF APPENDIX 10 \*\*\***

1. NTD: Items to be updated and current as of the Effective Date of the Agreement and as required thereafter pursuant to Sections 5 and 8.4 of the Scope Book. [↑](#footnote-ref-2)