

## Regulatory Guide Periodic Review

**Regulatory Guide Number:** 1.93, Revision 1

**Title:** Availability of Electric Power Sources

**Office/division/branch:** RES/DE/ICEEB

**Technical Lead:** Kenneth A. Miller

**Staff Action Decided:** Reviewed with no issues identified

**1. What are the known technical or regulatory issues with the current version of the Regulatory Guide (RG)?**

Revision 1 of RG 1.93, "Availability of Electric Power Sources," dated March 2012 describes guidelines that NRC staff considers acceptable when the number of available electric power sources are less than the number of sources required by the limiting conditions for operation (LCOs) for a facility, as required by NRC Regulations in Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, "Domestic Licensing of Production and Utilization Facilities," Appendix A, "General Design Criteria for Nuclear Power Plants," GDC 17, "Electric Power Systems," 10 CFR 50.36, "Technical Specifications," and 10 CFR 50.65, "Requirements for Monitoring the Effectiveness of Maintenance at Nuclear Power Plants." In addition, the North American Electric Reliability Corporation (NERC) Standard NUC-001-2, "Nuclear Plant Interface Coordination" (dated 1/22/2010), is referenced for coordination between the NPP operators and transmission entities for the purpose of ensuring the safe operation and shutdown of the nuclear power plant. NUC-001 has been revised (NUC-001-3 effective 1/1/16) but the changes were minor and non-substantive. Thus, there are no known technical or regulatory issues.

**2. What is the impact on internal and external stakeholders of not updating the RG for the known issues, in terms of anticipated numbers of licensing and inspection activities over the next several years?**

Use of the current revision of RG 1.93 will have no known impact on internal or external stakeholders.

**3. What is an estimate of the level of effort needed to address identified issues in terms of full-time equivalent (FTE) and contractor resources?**

The NRC staff will continue to monitor NERC standards and, when NERC NUC-001-3 is revised, the NRC staff will evaluate the revised standard as to whether a revision of RG 1.93 is necessary. In general, updating RG 1.93 is estimated to require approximately 80 - 120 hours of staff effort.

**4. Based on the answers to the questions above, what is the staff action for this guide (Reviewed with no issues identified, Reviewed with issues identified for future consideration, Revise, or Withdraw)?**

Reviewed with no issues identified.

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- 5. Provide a conceptual plan and timeframe to address the issues identified during the review.**

No issues were identified during this review.

**NOTE: This review was conducted in April 2017 and reflects the staff's plans as of that date. These plans are tentative and are subject to change.**