

NTTF Recommendation 4.1
Extended Loss of AC Power
Rulemaking

Scott Bauer, NEI
2012 Regulatory Information Conference




NTTF Recommendation 4.1

- Develop rulemaking to require each licensee to be able to cope with an extended loss of all AC power progressively using:
 - Installed plant equipment;
 - On site portable equipment; and
 - Off site portable equipment.
- Include requirements for procedures, training and staging of resources



NTTF Recommendation 4.1

- Coping capability must be able to maintain:
 - Core cooling;
 - Containment function; and
 - Spent fuel pool water inventory
- Recommendation 4.2 was originally intended to be an interim measure to duplicate the 10 CFR 50.54(hh)(2) required equipment for each unit at a multiple unit site and to reasonably protect that equipment from external events



NTTF Recommendation 4.1

- The industry proposed a diverse and flexible coping strategy (FLEX) be adopted for Recommendation 4.2
 - This strategy would lead to a more expedited ability to cope with an extended loss of all AC power
- The Order for Recommendation 4.2 now reflects the FLEX strategy



Recommendation 4.1

- The guidance for the FLEX strategy will now become, at least in part, the guidance for the rulemaking
- The guidance will be developed and endorsed by August 31, 2012 and the rulemaking will be in process in parallel



Recommendation 4.1

- Order schedule:
 - Guidance issued 8/31/12
 - Plant evaluations performed 180 days
 - Coping strategies implemented 2 Ref. Out.
- Rulemaking schedule:
 - Final rule issued 2014
 - Rule effective 2016



Industry Organization for 4.1/4.2

- **Single Extended Loss of AC Power (ELAP) Task Force with 4 Task Teams:**
 - Guidance development team
 - Procedure integration team
 - Reasonable protection team
 - Rulemaking team