



NUCLEAR ENERGY INSTITUTE

Fact Sheet

Industry Taking Action to Ensure Continued Safety at U.S. Nuclear Energy Plants

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The nuclear energy industry's priority remains providing Japan with the support necessary to maintain safety at the Fukushima reactors.

Even though the full extent of damage to these reactors still is unknown, the events represent a significant challenge to the structural integrity and safety of the plant. As more is learned about the Japanese events, more long-term corrective actions will be developed.

Senior executives representing all U.S. nuclear power plants are taking the following actions at each of their sites:

1. Verify each company's capability to mitigate conditions that result from severe adverse events, including the loss of significant operational and safety systems due to natural events, fires, aircraft impact and explosions. Specific actions include testing and inspecting equipment required to mitigate these events and verifying that qualifications of operators and support staff required to implement them are current.
2. Verify that the capability to mitigate a total loss of electric power to a nuclear power plant is proper and functional. This will require inspections verifying that all required materials are adequate and properly staged and that procedures are implemented.
3. Verify the capability to mitigate flooding and the impact of floods on systems inside and outside the plant. Specific actions include verifying required materials and equipment are properly located to protect them from flood.
4. Perform walk downs and inspection of important equipment needed to successfully respond to fire and flood events. Identify the potential that the equipment's function could be lost during seismic events appropriate for the site and develop mitigating strategies for potential vulnerabilities.