

Nuclear Policy After Fukushima

RICHARD A. MESERVE
EXECUTIVE ADVISER
NUCLEAR RISK RESEARCH CENTER

The Need for Nuclear Power

- Economic Impacts
 - Security Impacts
- Environmental Impacts

Need to Assure Safety

Immediate Impacts

- Extreme Events
- Station Blackout
- Loss of Heat Sink
- Explosive Gases
- Spent Fuel Pools
- Chain of Command
- Emergency Planning

Need to Assure Safety

Longer-Term Lessons

- Beyond-Design-Basis Accidents
- Focus of the Safety System
- Establishing Appropriate Cleanup and Exposure Standards

Need to Assure Safety

Fundamental Lesson

- Essential Lesson – establishment of an appropriate safety culture

Reassuring the Public

Central Role of the Regulator

- Openness
- Transparency