



**U.S. NRC**  
UNITED STATES NUCLEAR REGULATORY COMMISSION

*Protecting People and the Environment*

**ACRS Meeting Of the Joint  
Subcommittees on Thermal-Hydraulic  
Phenomena and Reliability and PRA  
January 18, 2008**



**Office of Nuclear  
Regulatory Research**



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## Agenda

- Completion of Cable Response to Live Fire (CAROLFIRE) Project
  - Request a letter from ACRS
- Fire Model Phenomena Identification Ranking Table (PIRT)
  - Provided for Information



## CAROLFIRE

- RIS 2004-03
- Three Volumes:
  - Volume 1 Circuit Interaction
  - Volume 2 Thermal Data
  - Volume 3 Fire Modeling Improvements
- Extensive Review:
  - Peer-reviewed
  - Public Comment
  - ACRS Quality Review
  - Asking for ACRS Letter





## Fire Model PIRT

- Nuclear Power Plant Applications
- Performed Summer/Fall 2007
  - Draft of the report is completed
  - In the Review Process
- Expect to publish in 2008
- Presentation is provided to keep the ACRS apprised of the project



## Principle Presenters

- Mr. Steve Nowlen.
  - Sandia National Laboratories
- Dr. Kevin McGratten
  - National Institute Standards and Technology

