

Results of Westinghouse Investigation of  
Conservatism in  
Appendix K Models

And

Discussion of SER on Westinghouse Application for  
Hot Leg Nozzle Gap Modeling in BASH

Westinghouse Electric Co.

June 28, 2000

# Purpose

- Present results of studies performed by Westinghouse to assess the impact of decay heat and zirc-water reaction models.
- Quantify associated margin in Westinghouse Appendix K evaluation model.
- Present results with Hot Leg Nozzle Gap (HLNG) modeling.
- Describe methodology for addressing downcomer voiding in reflood.
- Discuss outstanding issues in HLNG review.

# Desired Outcomes

- Assist staff in ongoing investigation of Appendix K relaxation.
- Staff agreement of acceptability of downcomer boiling treatment.
- Resolve issues related to HLNG SER.

# Agenda

- Introduction
- Study Results
- Comparison to Best Estimate
- Downcomer Boiling
- Conclusions

Jim Gresham

Christine DiMuzio

Mitch Nissley

Rich Schoff

Jim Gresham