



# **FERC'S RELIABILITY TEAM**

April 14, 2004



# Purpose

- Improve bulk grid reliability for next summer
- Improve bulk system reliability for the long term
- Assure that reliability complements and improves markets, and vice versa
- Learn from past reliability failures, and don't repeat them



# Short-term priorities

- Reliability readiness audits, supporting NERC effort
- Work with NERC to improve reliability standards – scope, clarity, measurability, enforceability
- Bi-national blackout investigation
- On-going work incorporating reliability considerations into rules and cases
- Building staff for new group



# Long-term priorities

- Build excellent reliability team staff and long-term capabilities in Reliability team and broader agency
- Build federal-state partnership for reliability regulation on issues like vegetation management
- Build partnership with Canada, NERC and industry to assure strong, consistent bi-national reliability rules and implementation
- Improve bulk grid reliability and security



# Some specific initiatives

- 20 reliability readiness audits -- 11 to date
- FirstEnergy reliability study (done 4/30/04)
- Learning from the blackout – planning May conference with DOE, Canada, NERC, industry on reliability standards and schedule
- Working with NERC on reliability standards revision and compliance templates (12/04)
- Working with NRC on grid reliability and nuclear plant needs



# R&D initiatives

- Transmission vegetation management (3/04)
- Quantity and cost of needed spare transformers (5/04)
- Understanding technology risk and prudence (5/04)
- SCADA Cyber-security (7/04)
- Gas pipeline disruption impacts and reallocation (on-going)
- Operator training
- Lake Erie Loop – problem, implications and solution options



# The Reliability Team

- LaChelle Brooks
- Saeed Farrokhpay
- Cliff Franklin
- Don LeKang
- Thanh Luong
- Richard Mabry
- Cynthia Pointer
- Bruce Poole
- Paul Robb
- Tom King
- Brendan Kirby
- John Kueck
- Frank Macedo
- Chris Mak
- Gary Nakarado
- Kevin Kelly
- Alison Silverstein