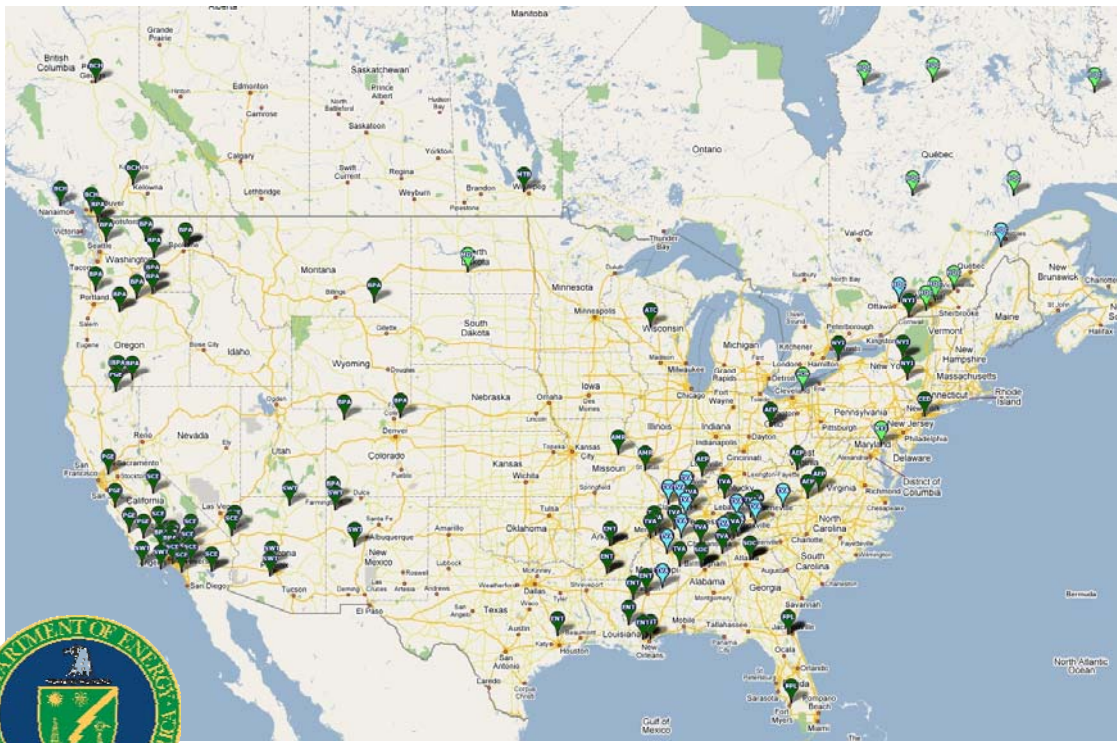


North American SynchroPhasor Initiative

Project Transition to ERO Leadership



NASPI Working Group
May 2007

Stan Johnson, NERC
Phil Overholt, DOE



NERC
NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

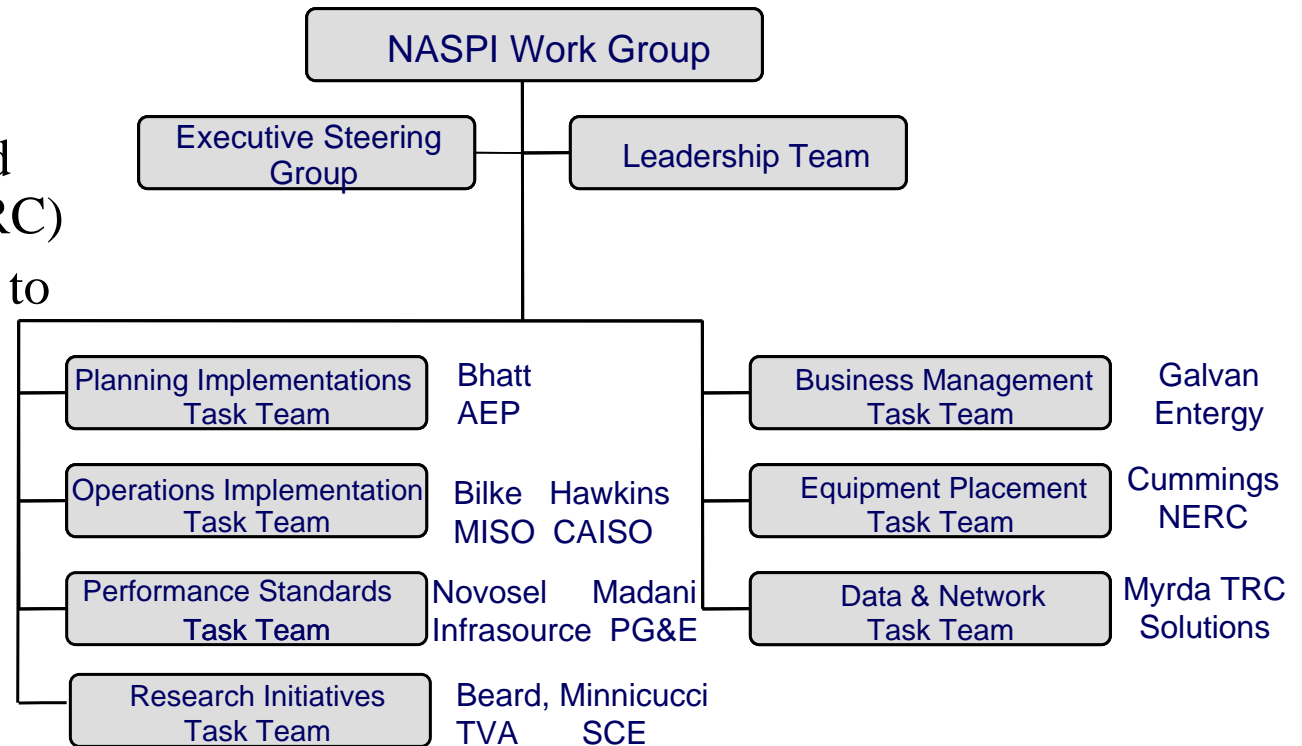
Background

- ESG approved NERC/ERO to co-lead the NASPI as DOE transitions to research in FY07
- NERC's scope in leading NASPI and DOE's scope for a R&D agenda for real-time grid monitoring and management will include full North American coverage



Planned NASPI Elements

- Leadership Team (led by Phil Overholt/DOE and Stan Johnson/NERC)
- ERO transitioning to leadership role
- Participating operating entities investing in equipment and communications
- Looking for task team co-leads from all interconnections



Roles for DOE

- Transitional leadership of Leadership Team
- Lead further development of North American R&D agenda and phasor roadmap; work with NERC to clarify respective roles and investment areas
- Fund continued support to existing task teams in FY07
- Provide research support to FERC and NERC/ERO on:
 - Research, development and demonstrations related to phasor technology applications
 - Transmission monitoring
 - Carrying out EPACT mandates
 - Long-term smart grid goal



NERC Assumptions

- NERC's intent is to *Investigate and analyze the use of high-speed real-time system measurements, including phasors, in predicting the behavior and performance of the North American Interconnections*
- NERC to assume roles and functions common to all interconnections consistent with its role as ERO
- Infrastructure costs to be carried by the operating entities. NERC focus on supporting the Interconnections on
 - High-level network architecture
 - Data management requirements
 - Standards for devices, information exchange
 - Common specification of reliability management screens/applications for the vendor community to implement



Roles for NERC

- Continue transitional leadership of the Leadership Team, aiming to assume full leadership Jan. 2008
- Lead planning and facilitation of key working group and collective meetings in Jan. 2008
- Establish clear reporting for on-going NASPI efforts within ERO organizational structure
- Add NERC staff support to all task teams
- Facilitate ongoing activities in all interconnections that support NASPI



NASPI – NERC Support

Executive Steering Group – Rick Sergel

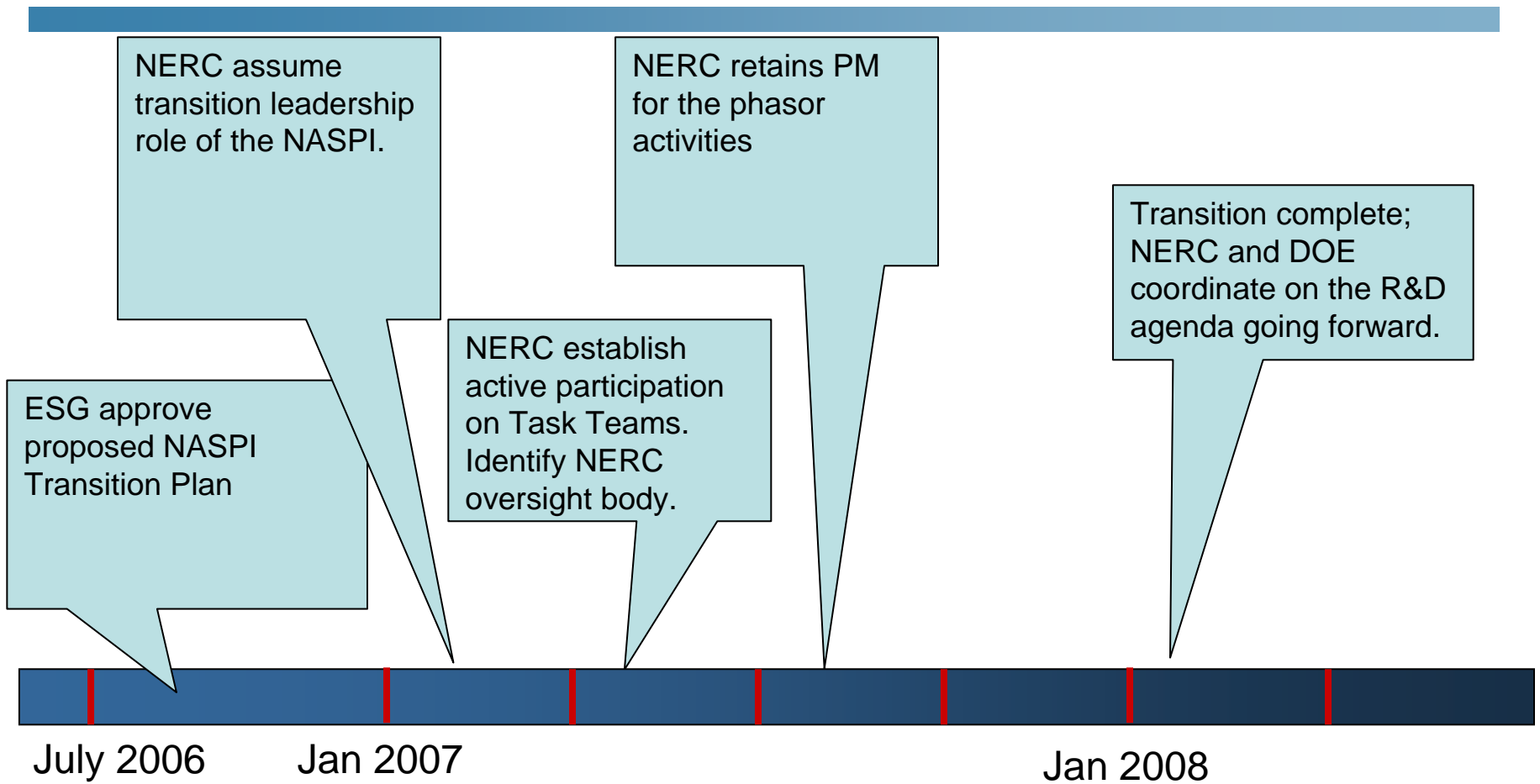
Leadership Committee – Stan Johnson & Bob Cummings

Task Teams

Business Management	Stan Johnson
Equipment Placement	Bob Cummings
Data and Network	Lynn Constantini
Planning Implementation	Eric Allen
Operations Implementation	Larry Kezele
Performance Standards	Scott Mix
Research Initiatives	Bob Cummings



Transition Timeline



Strategic Issues and ESG Roles

1. Ensure Full Coverage
2. Resolve Data Sharing
3. Ensure Availability of High Quality Data
4. Support Creation of Sustainable Networks
5. Participate in Research, Development, and Demonstration for Advanced Applications
 1. Wide-Area Situational Awareness
 2. Enhanced Operator Tools
 3. Real-time Control

