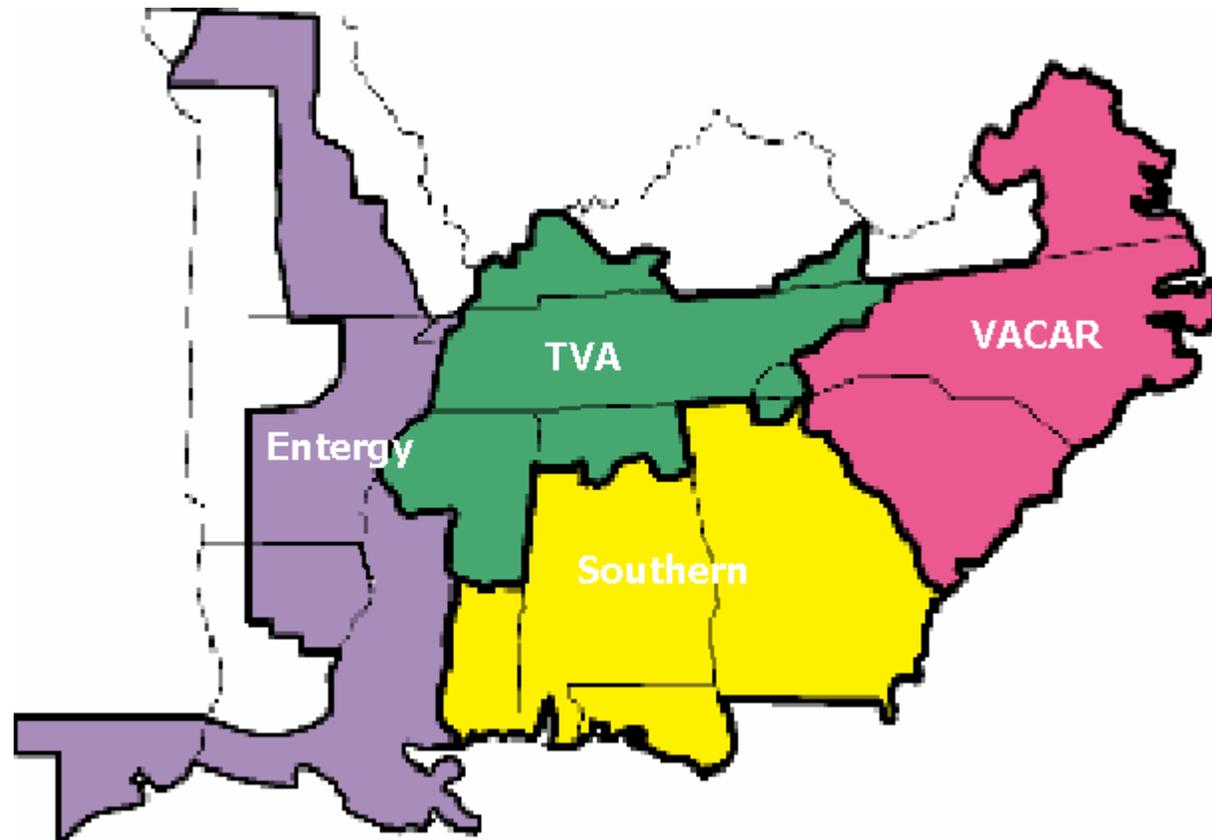


# Mitch Needham

*Manager, Compliance and Standards*

Tennessee Valley Authority  
Transmission/Power Supply  
Electric System Operations

# SERC Region



## The TVA Control Area Includes

### Generation:

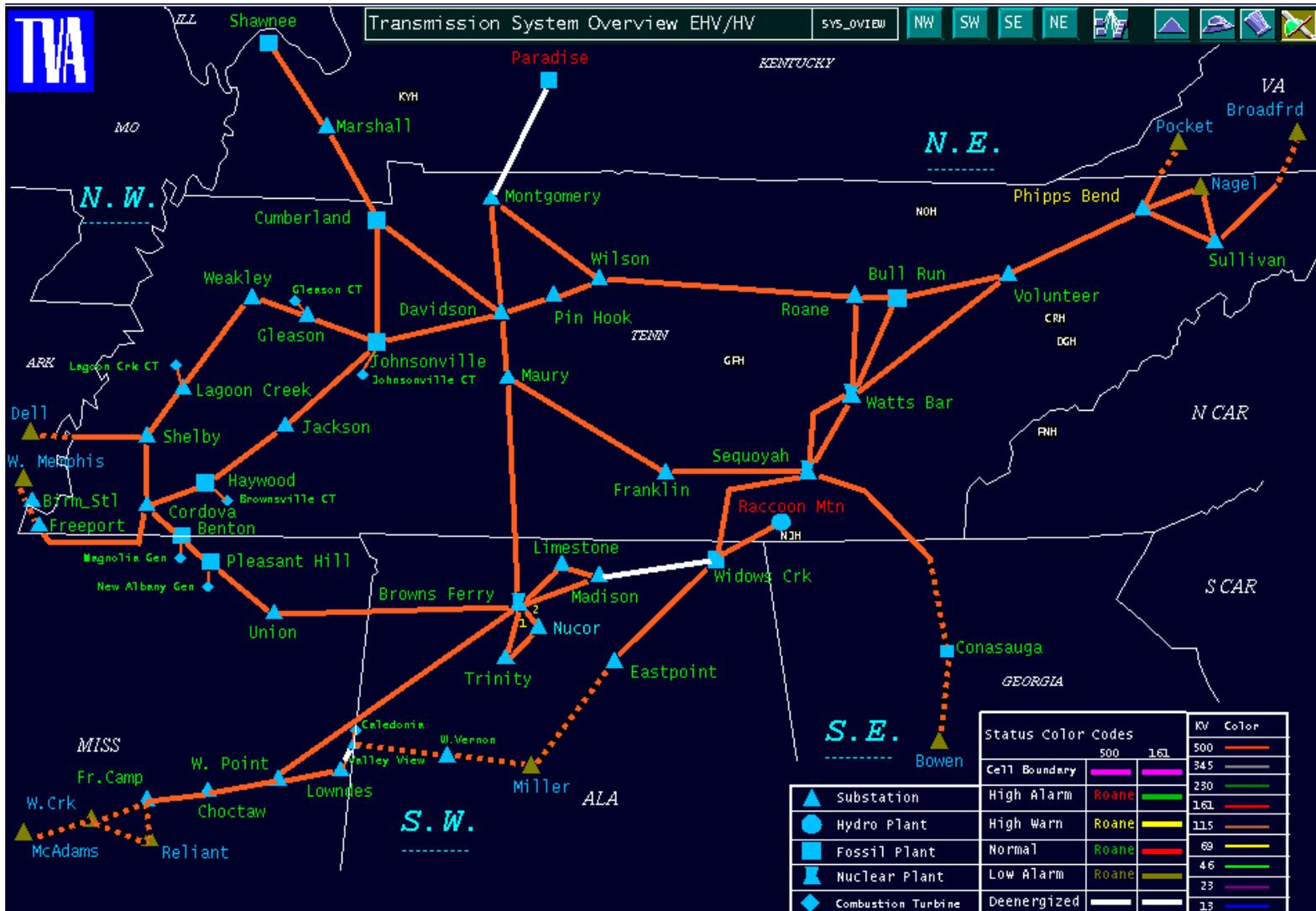
- TVA native load – 158 distributors & 62 direct serve ~ 30,000 MW
- 12 IPPs – ~ 7,375 MW
- There are no Generation-Only Control Area's within TVA

### Transmission:

- 17,000 miles of transmission lines (500, 345, 230, 161-kV)
- Responsible for switching in over 550 substations

# EHV System Overview

TVA Control Area Readiness Audit - 2004



# Welcome to the TVA Control Area

TVA Control Area Readiness Audit - 2004



**NERC/SERC/FERC Audit Team**

**April 21-22, 2004**

## Readiness Audit Company Process

- Prior to NERC audit process deployment, develop agency task list (example to follow)
- Develop comprehensive response to the self-assessment
  - ◆ Gather demonstrative procedures
  - ◆ Assemble evidence of procedural adherence
  - ◆ Ensure infrastructure and training to be adequate
- Determine subject matter experts to discuss issues with the audit team
- Ensure system operator backup to allow interviews to be unhurried



# Electric System Operations

- Organizational Engagement
- Facilities
- Operating Systems Control
- Outage Coordination/Communication

# Emergency Preparedness

TVA Control Area Readiness Audit - 2004

