



# North Carolina Transmission Planning Collaborative Overview

**Clay Norris, Chair OSC**  
**October 5, 2005**



# Overview

- Summary of NC Transmission Planning Collaborative
- Implementation Status



## **Traditional Transmission Planning Process**

- Transmission plans developed independently by each IOU for their own control areas
- Limited involvement from munis, co-ops and other transmission-dependent utilities
- Emphasis on reliability



# Goals of the Process

- Improve the transmission planning process in North Carolina
- Increase involvement by all stakeholders



## Changes to the Planning Process

- Each Participant will actively participate
- The Transmission Advisory Group (TAG) will allow participation by all stakeholders
- Collaborative development of a single transmission plan for Duke Power and Progress Energy Carolinas areas
- An Independent Third Party will be an integral part of the process and a “tie-breaker” for voting
- Simultaneous focus on reliability and enhanced access



# **Organizational Structure**

- **Oversight / Steering Committee (OSC)**
- **Planning Working Group (PWG)**
- **Transmission Advisory Group (TAG)**
- **Independent Third Party (ITP)**



## **OSC Responsibilities**

- Review and approve the reliability and enhanced transmission access planning criteria, critical assumptions and scenarios to be used by the PWG
- Oversee the study process and approve the plan



## **OSC Membership**

- Cooperatives – 2 members
  - Duke – 2 members
  - Municipals – 2 members
  - PEC – 2 members
  - ITP – 1 member
- 
- Each member has 1 vote





## **PWG Responsibilities**

- Model development, model runs, problem identification, solution development and plan development
- Reports results to the OSC



## **PWG Membership**

- Cooperatives – 3 members
- Duke – 3 members
- Municipals – 3 members
- PEC – 3 members
- ITP – 1 member



# Transmission Advisory Group

- The purpose of the TAG is to provide advice and recommendations to the OSC which will aid in the development of a coordinated transmission plan
- The TAG will be facilitated by the ITP
- Membership open to all stakeholders



## **Independent Third Party Role**

- Serves on the OSC and PWG and will vote to break a tie in the OSC
- Facilitates and advises the entire process



## **Where are we in the process?**

- The Participation Agreement was executed on May 20, 2005
- Gestalt LLC was selected as the ITP in August 2005
- Top Priorities
  - Establish TAG
  - Implement new collaborative process



# North Carolina Transmission Planning Collaborative Process

Mark Byrd, Vice-Chair OSC

October 5, 2005



# Overview

- Goal of Process
- Components of Process
  - Reliability Process
  - Enhanced Transmission Access Process
- Schedule Milestones



# Goal of the Process

Develop a single coordinated transmission plan that includes both reliability and enhanced access plans and that appropriately balances costs, benefits and risks associated with the use of transmission and generation resources.





# Components of the Process

- Reliability Process
- Enhanced Transmission Access Process



# Reliability Plan

- Improvements justified for reliability purposes
- Developed by PWG and approved by OSC



# Enhanced Transmission Access Plan

- Expand the transmission planning process to include analysis of increased transmission capability to provide greater access to resources inside and outside the control areas of Duke and Progress.
- PWG develops increased transmission capabilities, cost estimates, implementation timelines and project feasibility.



## Reliability Planning Process

- Establish assumptions, criteria, and study methodologies
- Perform studies: thermal, voltage, stability, short circuit
- Evaluate results to identify problems and potential solutions
- Perform cost analysis and rough scheduling of solutions
- Input from Participants and TAG periodically throughout process
- Select preferred final and alternative plans



## Enhanced Transmission Access Planning Process

- Identify scenarios to be studied and included for analysis
- Establish assumptions and criteria
- Evaluate results to identify problems and potential solutions for increasing access
- PWG develops increased transmission capabilities, cost estimates, implementation timelines and project feasibility



## **Schedule Milestones**

- December 2005: OSC approves reliability assumptions
- May 2006: OSC approves enhanced transmission access assumptions and studies to be conducted
- September 2006: OSC approves reliability plan and reviews enhanced transmission access project cost, schedule, and potential increased transmission capability
- December 2006: Final draft of collaborative plan



# Transmission Advisory Group

Rich Wodyka  
October 5, 2005



# TAG Overview

- Purpose
- Role
- Membership
- Process
- Independent Third Party Duties
- Discussion





# TAG Purpose

The purpose of the TAG is to provide advice and recommendations to the OSC which will aid in the development of a collaborative transmission plan.



# TAG Role

- The TAG will provide input to the planning process.
- Inputs may include:
  - Proposing reliability studies/projects to the OSC
  - Proposing enhanced access studies/projects to the OSC
  - Providing generator information to the process



# TAG Membership

TAG membership is open to all parties interested in the development of a collaborative transmission plan in North Carolina.



# TAG Process

- Meetings are open to all parties with no restrictions on the number of people from any organization.
- Members will make recommendations for improvements or changes to the transmission plan or planning process through the ITP.
- Non-binding straw votes may be used to achieve consensus. One vote per stakeholder entity.
- Quorum requirements do not apply.
- Meeting highlights will be posted on website.



## Duties of the ITP include:

- Chairing the TAG meetings
- Developing mechanisms to solicit and obtain the input of all stakeholders
- Serving as a facilitator to achieve consensus
- Developing and maintaining a website to support TAG activities



# Discussion

- Opinions
- Needs
- Suggestions
- Next Steps



## Contact Information

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