SPP Transmission Expansion Cost Allocation

CAWG Meeting

SPP Base Plan Assumptions

August 3, 2004
Current SPP Planning Process

• **Summary of major inputs**
  - Utilize 10 year control area load forecasts
  - Long-term firm point-to-point requirements
  - Existing Network Resources
  - Known transmission system projects
  - Known interconnection-related projects

• **Objective function:** Identify upgrades to reliably serve the forecasted load and firm point-to-point transmission service
Key issue summary

- How does SPP deal with situation where model does not have sufficient capacity in model to meet future year load forecast and reserve requirements?

- How are changes to designated network resources included in the base plan?

- How are generator interconnection related upgrades incorporated (or not) in the base plan assumptions?
CAWG Proposed Base Plan

- **10 Year Reliability Plan**
- **Use 10 year load forecasts**
  - Use known committed generation
    - Designated Network Resources (DNRs)
    - Uncommitted generation located according to agreed guidelines
      - Assume generic size and type
      - Uncommitted capacity to meet capacity margin requirements
      - Location is optimized for least cost transmission upgrades
      - Locations and sizes publicly identified
    - Identified upgrades are part of the base plan
      - Upgrades associated with uncommitted resources are determined but not included in base plan upgrades