Interregional Transmission Service & Operations

A Bilateral Market Perspective
Todd Lucas
Southern Company
Circle of Life

CUSTOMERS

Effective Regulation

Healthy Capital Spending

High Reliability
Low Prices
High Customer Satisfaction
Bilateral Market

- Key objective -- Providing long term sustained value to Customers
- Long term view
  - Firm resource & firm delivery
  - Plan and build for expected dispatch
  - Planned for limited congestion
- Integrated Resource Planning
  - Optimized generation/transmission decisions
- Long term predictability
  - Cost
  - Availability
  - Reliability
  - Fuel diversity
Real Time Operations

- Economic dispatch of entire fleet
- Unit commitment based on unit costs adjusted for expected transmission constraints…SCED
- If congestion, typically manage with most responsive resources
- Visibility and predictability are keys to success
Seams Management

• An approach like PFV with consistent implementation could provide value
  – Higher accuracy/more visibility

• Maximum Utilization vs Margin for Error
  – Evolving resource mix creates higher uncertainty

• Coexistence of Bilateral and Organized Markets
Considerations

• Visibility and Predictability are key ingredients of both reliability & economics

• Regional/regulatory flexibility is important
  – “One size fits all” solutions are not the answer

• Day Ahead coordination efforts
  – Coordinated Unit Commitment Plans
  – Visibility/Transparency in congestion management
  – Proper forum is voluntary, industry initiated, outside the regulatory environment
Questions