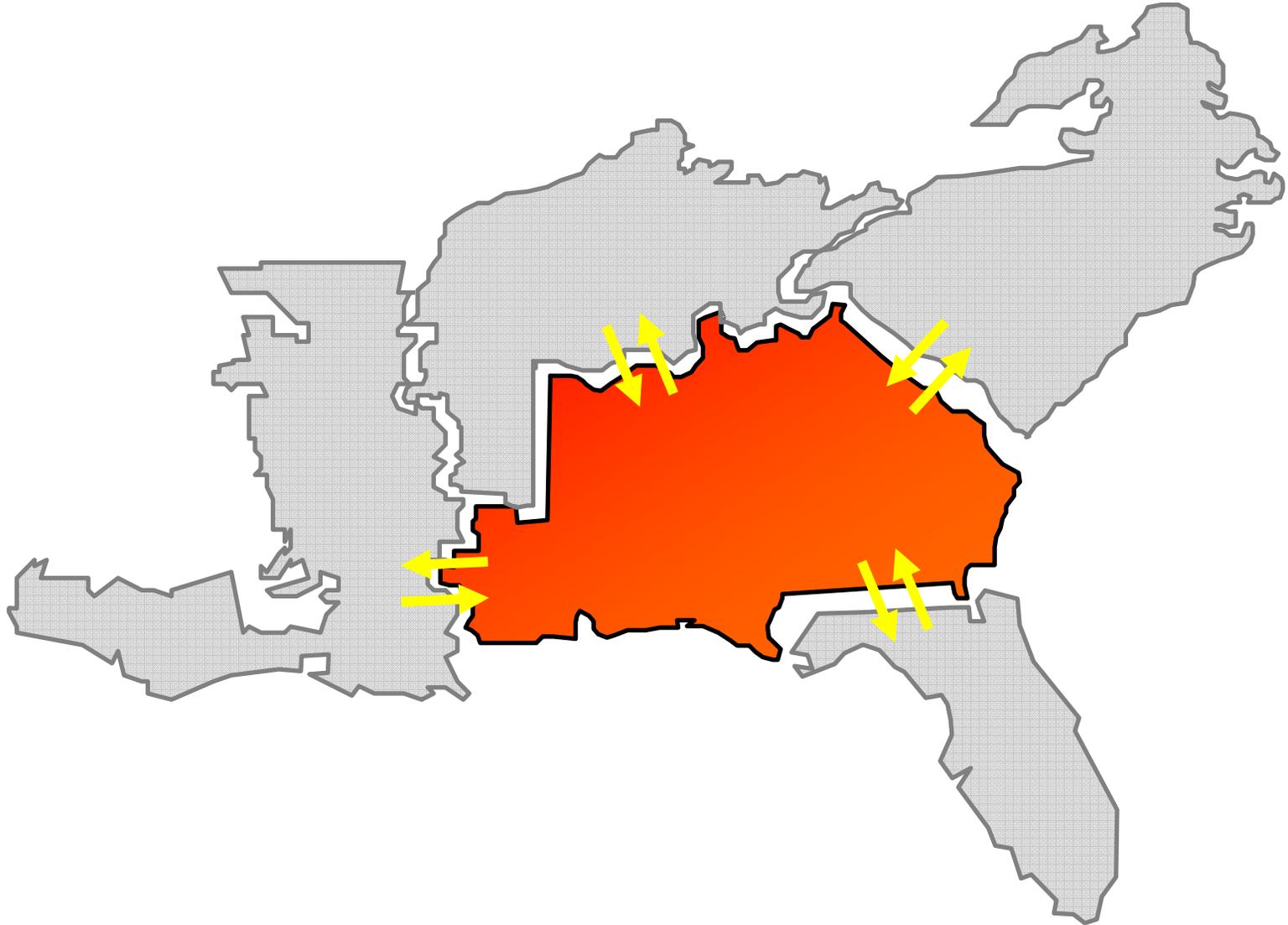


# Draft Attachment K Southeastern Region



# Draft Attachment K Southeastern Region



## Southeastern Region Attachment K

- Co-Sponsors
- Order 890 Planning Principles
- Southeastern Region Nine Planning Principles

# Draft Attachment K Southeastern Region



- Headquartered in Andalusia, Alabama.
- Provides wholesale power to 16 distribution cooperatives and 4 municipalities in Alabama and northwest Florida.
- Transmission Lines: 2,206 miles
- Generating Capacity: 1,650 megawatts

# Draft Attachment K

## Southeastern Region



- Headquartered in Dalton, Georgia.
- Dalton Utilities provides water, sewer, gas, telecommunication, and electric service to Northwest Georgia with approximately 14500 electrical customers
- Transmission Lines: 294 miles
- Generation Capacity: 120 megawatts
- Dalton Utilities is one of four joint owners of the Georgia Integrated Transmission System.

# Draft Attachment K

## Southeastern Region



- Headquartered in Tucker, Georgia.
- Georgia Transmission Corporation's customers include 39 electric membership cooperatives (EMCs), Oglethorpe Power Corporation and other power suppliers and power marketers.
- Transmission Lines: 2,890 miles
- GTC is one of four joint owners of the Georgia Integrated Transmission System.

# Draft Attachment K Southeastern Region



- Headquartered in Atlanta, Georgia
- MEAG Power is a public corporation providing power to 49 Georgia communities that in turn bring energy to approximately 600,000 citizens.
- Transmission Lines: ~1,300 miles
- Generation Capacity: 2069 megawatts
- MEAG is one of four joint owners of the Georgia Integrated Transmission System.

# Draft Attachment K

## Southeastern Region



- Headquartered in Hattiesburg, Mississippi
- South Mississippi Electric Power Association is a rural electric, cooperative which generates, transmits and sells wholesale power to 11 Member distribution cooperatives in Mississippi.
- Transmission Lines: 1,628 miles
- Generation Capacity: 1,693 megawatts

# Draft Attachment K

## Southeastern Region



- Headquartered in Atlanta, Georgia
- Four retail operating companies: Alabama Power, Georgia Power, Gulf Power, Mississippi Power, serving 120,000 square miles in four states.
- Transmission Lines: >27,000 miles
- Generating Capacity: ~41,000 megawatts
- Georgia Power is one of four joint owners of the Georgia Integrated Transmission System.

# Draft Attachment K

## Southeastern Region



## Order 890 Planning Principles

- I. Coordination
- II. Openness
- III. Transparency
- IV. Information Exchange
- V. Comparability
- VI. Dispute Resolution
- VII. Regional Participation
- VIII. Economic Planning Studies
- IX. Cost Allocation

# Draft Attachment K Southeastern Region

## Attachment K

The Regional Planning Process is designed to eliminate the potential for undue discrimination in planning by establishing appropriate lines of communication between the Transmission Providers, its transmission-providing neighbors, affected state authorities, Transmission Customers, and other Stakeholders regarding transmission planning issues.



# Draft Attachment K

## Southeastern Region

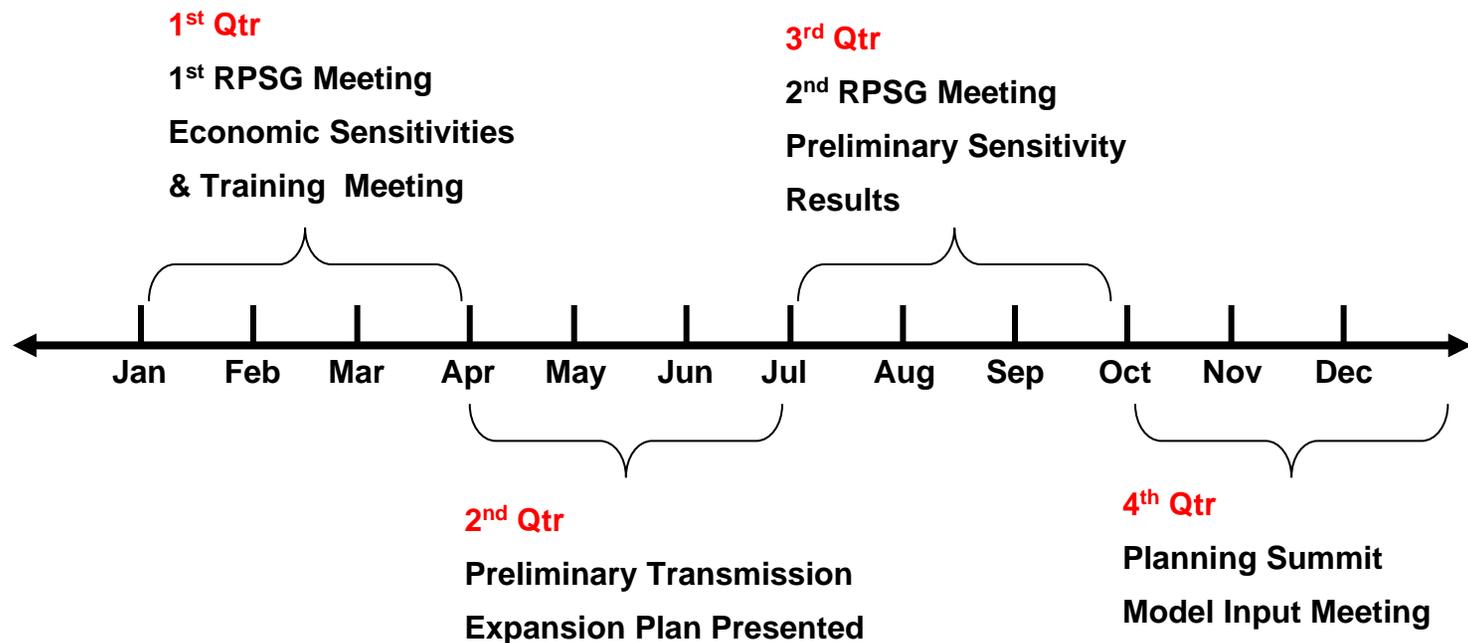
### Principle I: Coordination

- Formed Regional Planning Stakeholders Group (“RPSG”)
- Regional Planning Website(s)
- Meetings with Stakeholders
  - Four (4) Meetings per year
  - Open to all stakeholders
- Interactive Transmission Planning Sessions



# Draft Attachment K Southeastern Region

## Principle I: Coordination Timeline



# Draft Attachment K

## Southeastern Region

### Principle I: Coordination

- 1<sup>st</sup> Meeting (1<sup>st</sup> Qtr) – RPSG Economic Studies & Training Meeting
  - RPSG Formed
  - RPSG determines up to five (5) stakeholder requested Economic Planning Studies to be evaluated
    - Stakeholder requested Inter-Regional Economic Planning Studies will be addressed in the Inter-Regional Participation Process
  - Interactive Transmission Planning Session
    - This session will explain and discuss the underlying methodology and criteria utilized to develop transmission expansion plans.
  - The Sponsors will also address transmission planning issues that the Stakeholders may raise.



# Draft Attachment K Southeastern Region

## Principle I: Coordination

- 2<sup>nd</sup> Meeting (2<sup>nd</sup> Qtr) – Preliminary Transmission Expansion Plan
  - Sponsors Present Draft Expansion Plan
  - Stakeholders Provide Feedback and Input on Draft Expansion Plan
    - Including any transmission plan/enhancement alternatives that the Stakeholders would like the Sponsors to consider.
  - The Sponsors will also address transmission planning issues that the Stakeholders may raise.



# Draft Attachment K

## Southeastern Region

### Principle I: Coordination

- 3<sup>rd</sup> Meeting (3<sup>rd</sup> Qtr) – Economic Planning Studies Preliminary Results
  - Review the Initial Results of the RPSG Economic Planning Studies
    - Discuss limitations, transmission enhancement options, and other study data.
    - Opportunity to modify the study scope and suggest alternate transmission enhancement options
  - Update of Inter-Regional study results presented (if available)
  - Sponsors will provide feedback to the Stakeholders regarding any transmission expansion plan alternatives that the Stakeholders may have provided.
  - The Sponsors will also address transmission planning issues that the Stakeholders may raise.



# Draft Attachment K

## Southeastern Region

### Principle I: Coordination

- 4<sup>th</sup> Meeting (4<sup>th</sup> Qtr) – Southeastern Region Regional Planning Summit & Data Input Meeting
    - Present final results of the year's Regional Planning Process
      - Present 10 year Transmission Expansion Plan
        - Transmission Enhancements
        - Generation Resource Assumptions
        - Demand Response Alternatives
        - Load Growth
        - Planning Criteria
      - Present RPSG Economic Planning Studies & Inter-Regional Studies
        - Transmission Enhancements
        - Cost/Timing
- (Inter-Regional Study results presented every 2<sup>nd</sup> year)



# Draft Attachment K

## Southeastern Region

### Principle I: Coordination

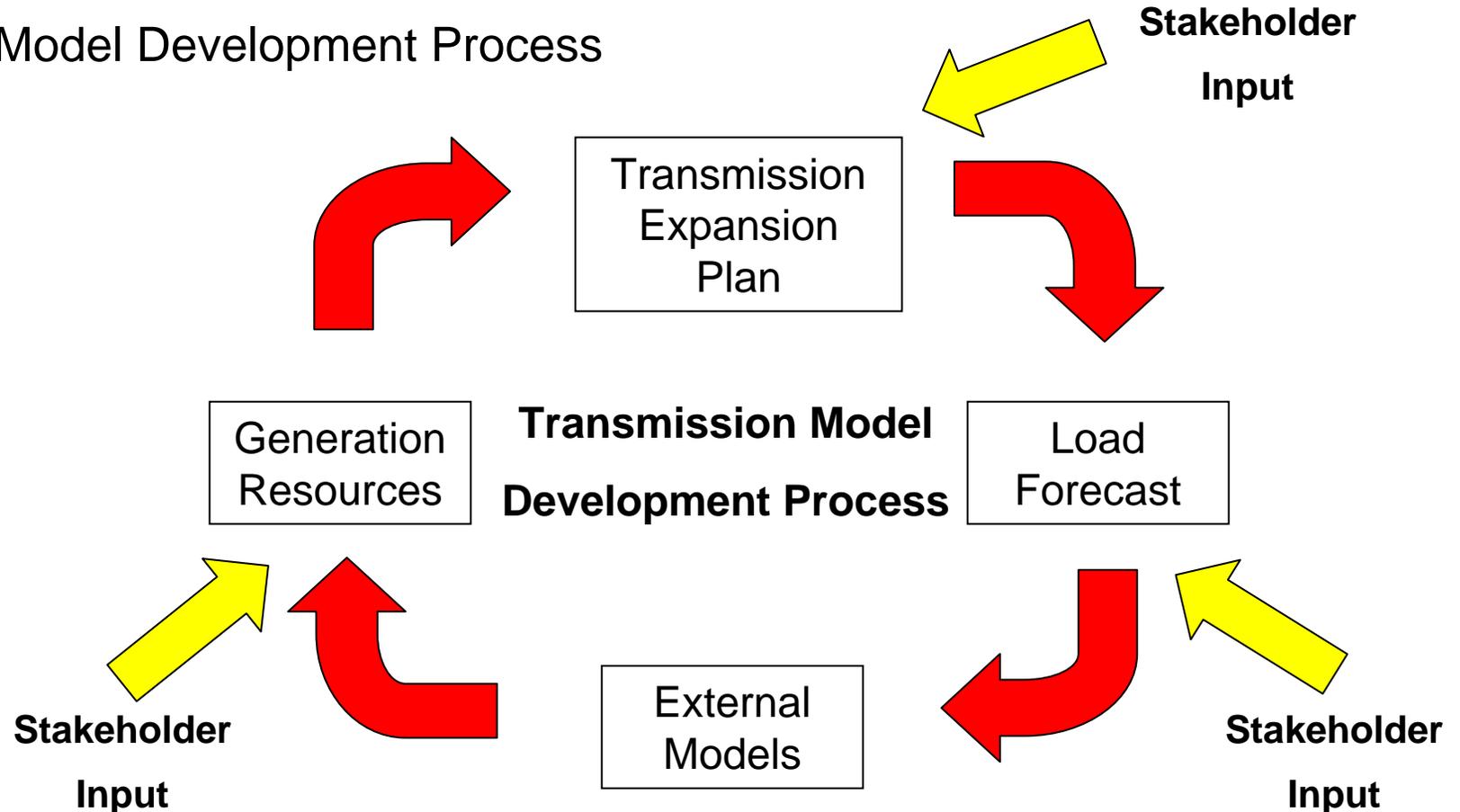
- 4<sup>th</sup> Meeting (4<sup>th</sup> Qtr) – Southeastern Region  
Regional Planning Summit & Data Input Meeting
  - Modeling Assumption Input Meeting
    - Open forum for discussion with, and input from, the Stakeholders regarding the transmission model assumptions that will be used for the development of the Sponsor's following year's ten (10) year transmission expansion plan.
    - This meeting may also serve to address miscellaneous transmission planning issues, such as reviewing the previous year's regional planning process, and to address specific transmission planning issues that may be raised by Stakeholders.



# Draft Attachment K Southeastern Region

## Principle I: Coordination

Model Development Process



# Draft Attachment K

## Southeastern Region

### Principle II: Openness

- Sponsors will promote an open transmission planning process in the following manner:
  - Stakeholder Interaction
  - Regional Planning Website(s)
  - Posting Methodologies, Criteria, Project Status, etc.
- Southeastern Region Meetings (open to all stakeholders)
- CEII Considerations
  - Forums that involve CEII will be limited to stakeholders that are certified eligible to access such information
  - CEII certification available via Regional Planning Website(s)



# Draft Attachment K

## Southeastern Region

### Principle III: Transparency

- Guidelines, Criteria, & Business Practices will be made available to Stakeholders
  - Available on the Regional Planning Website(s)
- Interactive Transmission Planning Sessions
- Explanation of Underlying Transmission Planning Study Methodologies
- Input on Modeling Assumptions



# Draft Attachment K

## Southeastern Region

### Principle III: Transparency

- Discussion of Underlying Transmission Planning Study Methodologies:
  - Steady state thermal analysis
  - Steady state voltage analysis
  - Stability analysis
  - Short-circuit analysis
  - Nuclear plant off-site power requirements
  - Interface analysis



# Draft Attachment K

## Southeastern Region



## Principle III: Transparency

- Discussion of Modeling Assumptions:
  - Study case definitions, including load levels studied and planning horizon information
  - Resource assumptions, including on-system and off-system supplies for current and future native load and network customer needs
  - Planned resource retirements
  - Renewable resources under consideration
  - Demand side options under consideration
  - Long-term firm transmission service agreements
  - Current TRM and CBM values

# Draft Attachment K Southeastern Region



## Principle IV: Information Exchange

- Load and Resource Projections submitted
  - Demand Resource Alternatives incorporated into projections
- Point-to-Point Customers submit usage projections
- Generation Interconnection Customers submit planned resource modifications (upgrades, retirements, etc.)

# Draft Attachment K Southeastern Region

## Principle V: Comparability

- Ensure that Planning Comparability is consistent with the Nine Planning Principles established in Order 890.
- Through stakeholder (RPSG) involvement in the regional planning process, the co-sponsors will solicit feedback from the stakeholders to ensure comparability is maintained.



# Draft Attachment K Southeastern Region



## Principle VI: Dispute Resolution

1. Informal meeting between Senior representatives.
2. FERC ADR or such other dispute resolution process that the Parties may unanimously agree to utilize.
3. This dispute resolution process is not intended to affect regulatory jurisdiction.

# Draft Attachment K

## Southeastern Region



### Principle VII: Regional Participation

- Regional Planning efforts through various reliability coordination agreements and other forums
  - Focused both on reliability as well as the most economic transmission solution for all parties involved
  - Ensures solutions are not “piecemeal”
  - Ensures solutions are simultaneous feasibility
  - Identifies mutually beneficial projects
- Coordinate with neighboring utilities/processes
  - Inter-Regional Participation Process

# Draft Attachment K

## Southeastern Region

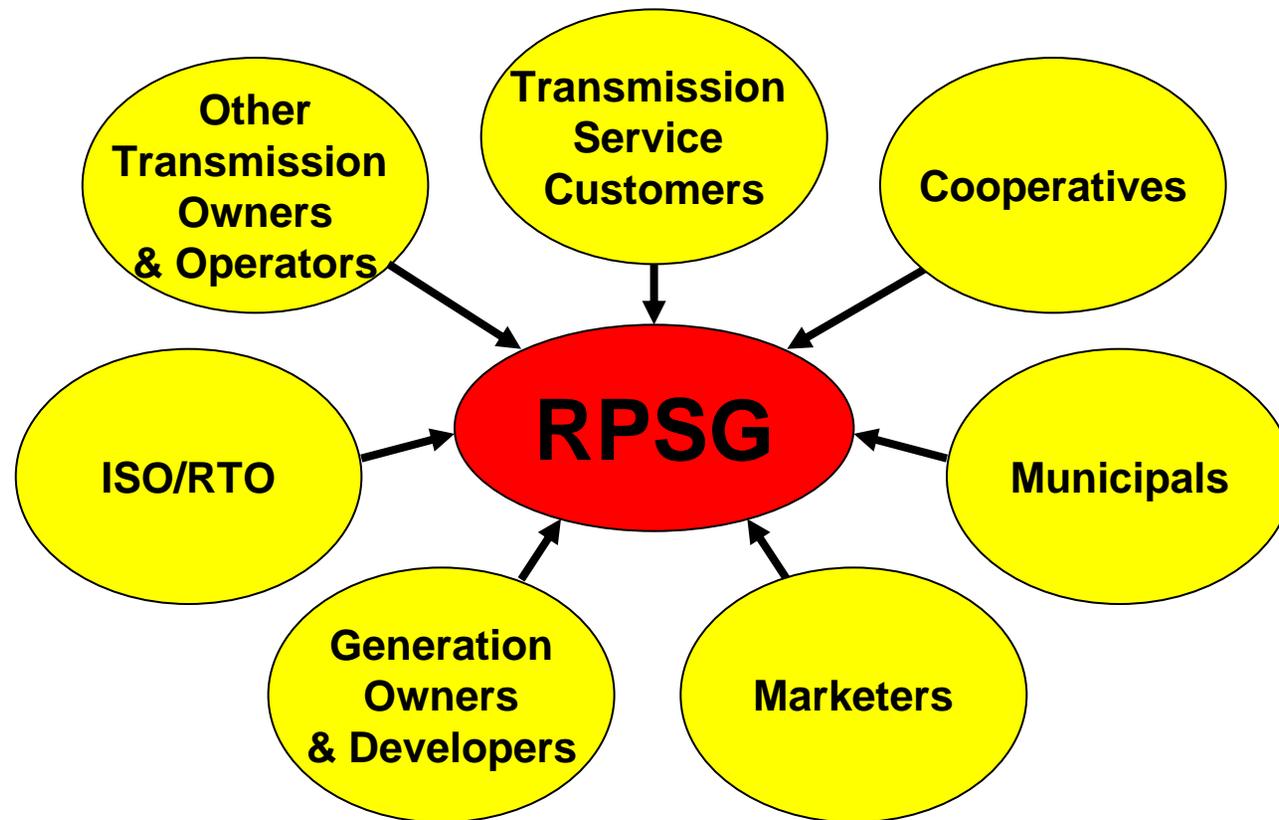


## Principle VIII: Economic Planning Studies

- Formed Regional Planning Stakeholder's Group (RPSG)
  - RPSG determines five (5) Economic Planning Studies
  - Promotes transparency of the Region's Transmission Planning Process.
  - Composed of seven (7) stakeholders sectors
    - Two (2) voting members per sector
    - Voting members determined by sector membership annually
  - RPSG decision making is determined by a simple majority vote of sector voting members
  - RPSG is self-governing
    - Maintain 7 sectors, voting members determined annually, one voting member per company, and simple majority vote

# Draft Attachment K Southeastern Region

## Principle VIII: Economic Planning Studies



# Draft Attachment K

## Southeastern Region



### Principle IX: Cost Allocation

#### ➤ Identification of Economic Upgrades

- Requester(s) provide notice of intent to fund Economic Upgrades within thirty (30) calendar days of the posting of the final results of the Economic Planning Study(ies) on the secured area of the Regional Planning Website.
- Requestor(s) identify MW amount of cost responsibility

#### ➤ Allocation of the Costs of the Economic Upgrades

- Economic Upgrades shall be allocated to each Requestor based upon the amount of MW of transmission capacity that it requested.
- If the transmission capacity identified by the Requestor(s) is not equal to the amount of transmission capacity that is estimated to be added by constructing the Economic Upgrade, cost responsibility will be adjusted on a pro rata basis based on MW requested so that all costs are allocated to the Requestor(s).
- If one or more of the Requestors does not identify the amount of MW for which it is willing to take cost responsibility, then the Requestors shall bear the costs of the Economic Upgrade in equal shares based upon the number of Requestors.

# Draft Attachment K

## Southeastern Region



## Principle IX: Cost Allocation

- Cost Allocation for the Acceleration, Expansion, Deferral, or Cancellation of Reliability Upgrades
  - Economic Upgrade(s) that accelerate the construction of, or require the construction of a more expansive, Reliability Upgrade, then the Requestor(s) shall bear the costs of such acceleration or expansion.
  - Economic Upgrade(s) allocated to the Requestors shall be reduced by the amount of savings caused by the deferral or cancellation of Reliability Upgrades

# Draft Attachment K Southeastern Region

## Southeastern Attachment K

- Work in Progress
  - Finalize by 12/7/2007
- Inter-Regional Participation Process
- Flexible Process
  - Adjusts to Changing Stakeholder needs

