

# Regional Transmission Planning Summit

## 2006 Regional Transmission Planning Summit

November 15<sup>th</sup>, 2006



# Regional Transmission Planning Summit

## Agenda:

- 8:00 – 8:30 Welcoming and Opening Remarks – Tom Madden
- 8:30 – 9:00 Regional Planning Presentation
- 9:00 – 11:00 Eastern Region Presentations
  - Presented by Dalton, GTC, MEAG, and Southern
  - Planning Guidelines & 10-Year Expansion Plan
- 11:00 – 12:00 *Lunch*
- 12:00 – 2:00 Western Region Presentations
  - Presented by AEC, SMEPA, and Southern
  - Planning Guidelines & 10-Year Expansion Plan Planning Guidelines
- 2:00 – 3:00 Inter-Regional Planning
  - Interface Projects
- 3:00 – 4:00 Regional Planning Stakeholders Group (“RPSG”)
  - Framework & Timeline
- 4:00 – 4:30 Summit Conclusion – Tom Madden
  - Adjourn



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WELCOME!



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## Logistical Items:

- Sign-In
- Exits
- Restrooms
- Lunch
- Meeting Materials



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## Hosting Transmission Providers



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## Alabama Electric Cooperative (“AEC”):

- Headquartered in Andalusia, Alabama.
- \$1 billion generation and transmission cooperative (G&T)
- Provides wholesale power to 16 distribution cooperatives and 4 municipalities.
- AEC’s 20 distribution members serve the electrical needs of more than 800,000 residential, commercial and industrial customers, including more than 350,000 consumer accounts in 39 Alabama counties and 10 northwest Florida counties.
- Transmission Lines: 2,206 miles
- AEC’s generating facilities have a generating capacity of approximately 1,650 megawatts
- History: On June 20, 1941, representatives from 11 cooperatives in Alabama met in Montgomery, Ala., to start an organization that would build its own generating plants and sell electric energy to their cooperatives. Four days later on June 24, 1941, AEC was formed.



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## Dalton Utilities (“DU”):

- Headquartered in Dalton, Georgia.
- Dalton Utilities has provided the City of Dalton with electricity since 1898. Dalton Utilities serves approximately 14,523 electrical customers.
- The annual consumption of electricity by the utility's customers is 273 megawatts (MW)
- Dalton Utilities get its electricity from three sources.
  - DU Owned generation
  - Southeastern Power Administration (SEPA)
  - PPAs
- Dalton Utilities is one of four joint owners of the Georgia Integrated Transmission System. Dalton Utilities shares electrical transmission lines that run throughout the state of Georgia.
- Dalton Utilities owns nine substations with a total 544 MVA (mega volt amp) capacity, 350 miles of line, and 51 12kV circuits.
- Dalton Utilities provides a total of 21.5 MW of distributed generation from its diesel-fueled emergency generators located at various Dalton Utilities facilities.



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## Georgia Transmission Corporation (“GTC”):

- Headquartered in Tucker, Georgia.
- Georgia Transmission Corporation's customers include 39 electric membership cooperatives (EMCs), Oglethorpe Power Corporation and other power suppliers, power marketers and independent power producers.
- Assets total \$1.5 billion.
- GTC owns more than 2,890 miles of transmission lines.
- GTC owns nearly 600 substations.
- The company jointly plans and operates most of the state's 17,500 miles of transmission lines through Georgia's Integrated Transmission System.
- History: Created in 1974 as the transmission arm of Oglethorpe Power Corporation. Before 1974, Georgia's EMCs did not produce and provide their own power; rather, they purchased power at wholesale rates from power suppliers. With the oil crisis and recession in the 1970s, 39 of Georgia's 42 EMCs formed a new generation and transmission cooperative to meet their customers' energy needs at reasonable cost. In 1997, Georgia Transmission Corporation became a separate transmission-only cooperative.



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## Municipal Electric Authority of Georgia (“MEAG”):

- Headquartered in Atlanta, Georgia, MEAG Power employs approximately 160 people.
- MEAG Power is a public corporation providing power to 49 Georgia communities that in turn bring energy to approximately 600,000 citizens. As the third largest power supplier in the state, energy sales exceeded \$703 million in 2005.
- MEAG Power has assets of over \$4.8 billion
- MEAG owns approximately 1,300 miles of transmission line
- The company jointly plans and operates most of the state's 17,500 miles of transmission lines through Georgia's Integrated Transmission System.
- Co-owns four generating plants with a generating capacity of 1,566 megawatts.
  - June 2004 commercial operation began on our solely owned natural gas-fired generator known as the Wansley Combined Cycle Facility with a generating capacity of 503 megawatts.
- History: MEAG was formed in 1975 when 50 year contracts were signed with its retail Participants. In 2004 these contracts were unanimously extended to 2054.



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## South Mississippi Electric Power Association ("SMEPA"):

- Headquartered in Hattiesburg, Mississippi, SMEPA Power employs approximately 270 people.
- South Mississippi Electric Power Association is a rural electric, cooperative which generates, transmits and sells wholesale power to 11 Member distribution cooperatives.
  - Those 11 Member systems own and maintain approximately 52,000 miles of distribution line and provide service to more than 377,000 meters in 56 counties in Mississippi.
- SMEPA owns approximately 1,628 miles of high-voltage transmission line.
- SMEPA's total generation capacity is 1,693 megawatts
- SMEPA's all time peak demand is 1,993 megawatts.



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## Southern Company (“SOCO”):

- Headquartered in Atlanta, Georgia
- One of the largest producers of electricity in the United States.
- Four retail operating companies: Alabama Power, Georgia Power, Gulf Power, Mississippi Power, serving 120,000 square miles in four states.
- More than 27,000 miles of transmission lines
  - Fifty-three (53) interconnection lines, or tie lines, connect Southern to neighboring utilities in the Southeastern United States.
- Owns and/or operates 79 generating stations
- Nearly 41,000 megawatts of generating capacity
- Sources of generation: 71% coal; 15% nuclear; 3% hydro; and 11% oil and gas.
- Total Customers 4,248,000
- Total Energy sales of 196.9 (billions of kWh)



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## Meeting Protocol:

- Breaks & Lunch
- Questions:
  - Clarifying questions will be answered.
  - Questions regarding new issues will be recorded and addressed by an OASIS posting to be made on December 6, 2006. Such questions will not be addressed at the Summit because of: (1) time constraints on today's meeting; (2) the need to provide an opportunity for the sponsoring transmission owners to reach a consensus on an appropriate response; and (3) concerns regarding the possible provision of non-public transmission information.
  - Questions regarding the RPSG will be answered.

