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Energy solutions  
for a changing world

# Electric Energy Training for Air Regulatory and Planning Staff US EPA- OAQPS August 15-16, 2011

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May 3, 2011

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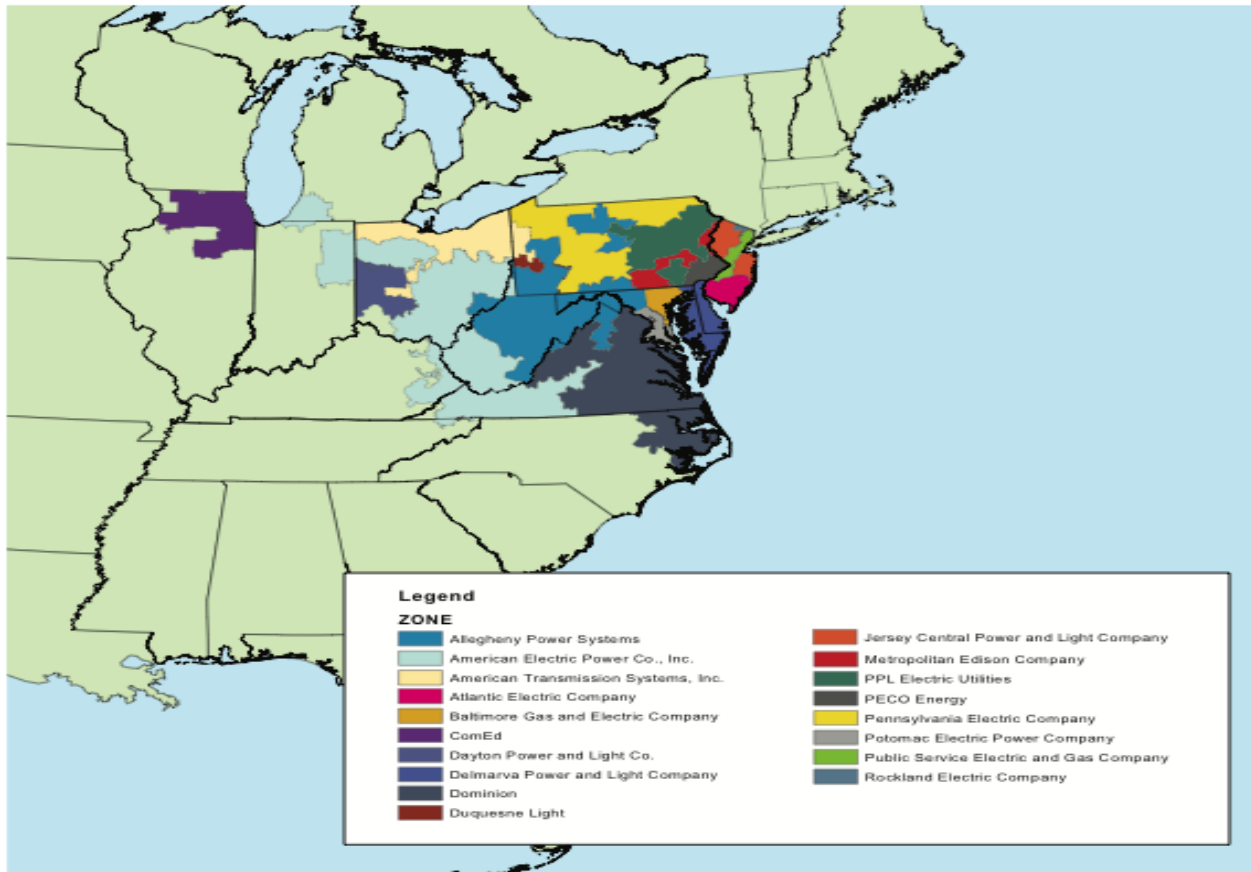
# Topic 4(d)

- Regional Issues in Attributing Benefits

# Regional Issues

- EE and air quality benefits may occur in different AQMA
- Also true for RE and air quality
  - RECs are not geographically constrained
- Thoughts on how to address EE

# PJM Transmission Map



# Regional Impacts from State EE and RE Programs

- EE/RE projects can focus on:
  - A load zone (i.e., one AQMA)
  - Be dispersed throughout the state
  - For RE: be installed in another state, and the credits flow to the state which made the investment
  - For EE: be installed in one state, but cause generators in another state(s) to decrease or change their capacity

# Regional Emissions Pool?

- How could EPA acknowledge EE which affects generation in another state?
- Late 1990s: NOx budget program had regional set-asides
- Transmission operators track RECs regionally today
- New England and PJM: EE qualifies as a resource and must meet same standards as a generator