

# DOE's 2009 Congestion Study

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## DOE's Transmission Responsibilities Under EPACT Section 1221(a)

- **Conduct a national transmission congestion study every three years**
  - **First study published in August 2006**
- **Designate National Interest Electric Transmission Corridors if appropriate**
  - **Mid-Atlantic and Southwest corridors designated in October 2007**



# DOE's Process for Developing the 2009 Congestion Study

- **Six public workshops**
  - 6/11 San Francisco, CA
  - 6/18 Oklahoma City, OK
  - 7/09 Hartford, CT
  - 7/29 Atlanta, GA
  - 8/06 Las Vegas, NV
  - 9/17 Chicago, IL
- **Public comments**
  - 38 received to date
- **Technical workshop**
  - 3/25-26 Chicago, IL
- **Final report to be published August 2009**

<http://congestion09.anl.gov/>



## DOE's 2006 Congestion Study Identified Three Kinds of Congestion Areas

- ***Critical Congestion Areas:*** Large, densely populated, economically vital areas experiencing recurrent adverse impacts from congestion.
- ***Congestion Areas of Concern:*** Areas with existing or emerging large-scale congestion problems but where further study is needed to determine appropriate action
- ***Conditional Congestion Areas:*** Areas where significant congestion would occur if major new generation is developed without associated new transmission capacity



## 2009 Study Will Review Congestion In Areas Identified in 2006, and May Identify New Areas

- **Critical**
  - Metropolitan NY - Mid-Atlantic coastal area
  - Southern California
- **Concern**
  - New England
  - Seattle-Portland
  - SF Bay Area
  - Phoenix-Tucson
- **Conditional**
  - Montana-Wyoming
  - Dakotas-Minnesota
  - Kansas-Oklahoma
  - Illinois-Indiana and Upper Appalachia
  - Southeastern states



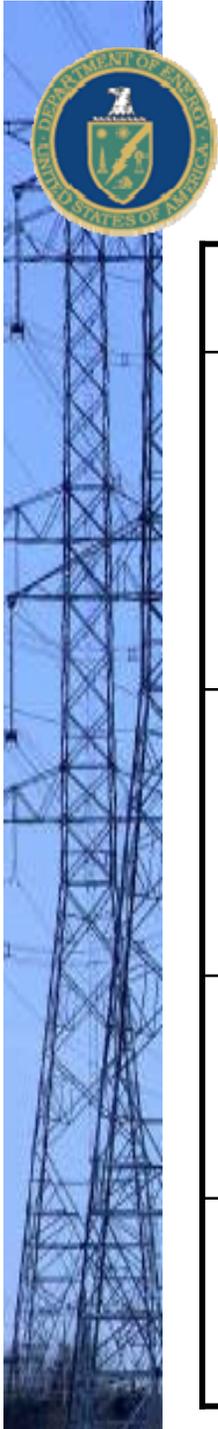
## Scope of Reviews

- **Load-side developments**
  - Load growth
  - Energy efficiency and demand response programs
  - Changes in generation, including distributed generation
- **Transmission**
  - Status of major projects
  - Findings from transmission planning studies
- **Generation**
  - Announced plans/project status/cancellations and retirements
  - State and Federal policies



## Likely Topics for 2009 Study

- ***Critical Areas and Areas of Concern:***
  - Many positive actions, including energy efficiency, demand response and announcements of additional local generation.
  - Little new transmission added, though much is now planned or being discussed.
- ***Conditional Areas:***
  - Much emphasis on renewables, but note also announcements of new nuclear projects; cancellations of coal plants a concern.
  - Planning for transmission needed for conditional resources best addressed through interconnection and regional planning forums; Congestion Study is not a planning process.
- ***ARRA (2009) requires DOE to address obstacles to development of transmission for renewables, including litigation to block transmission projects.***



## Differences between 2006 and 2009 Congestion Study Methods

	2006 Study	2009 Study
Historic – Western	Quantitative review of path utilization (WCATF, supported by OATI)	WECC/TEPPC review of path utilization and schedules (supported by OATI)
Historic – Eastern	Review of available studies and information	OATI review of public info posted on LMP, OASIS, and IDC
Prospective – Western	WCATF projections for 2008, 2015	TEPPC projections for [year(s)?]
Prospective - Eastern	CRA – 2008, 2011	Review of others' projections

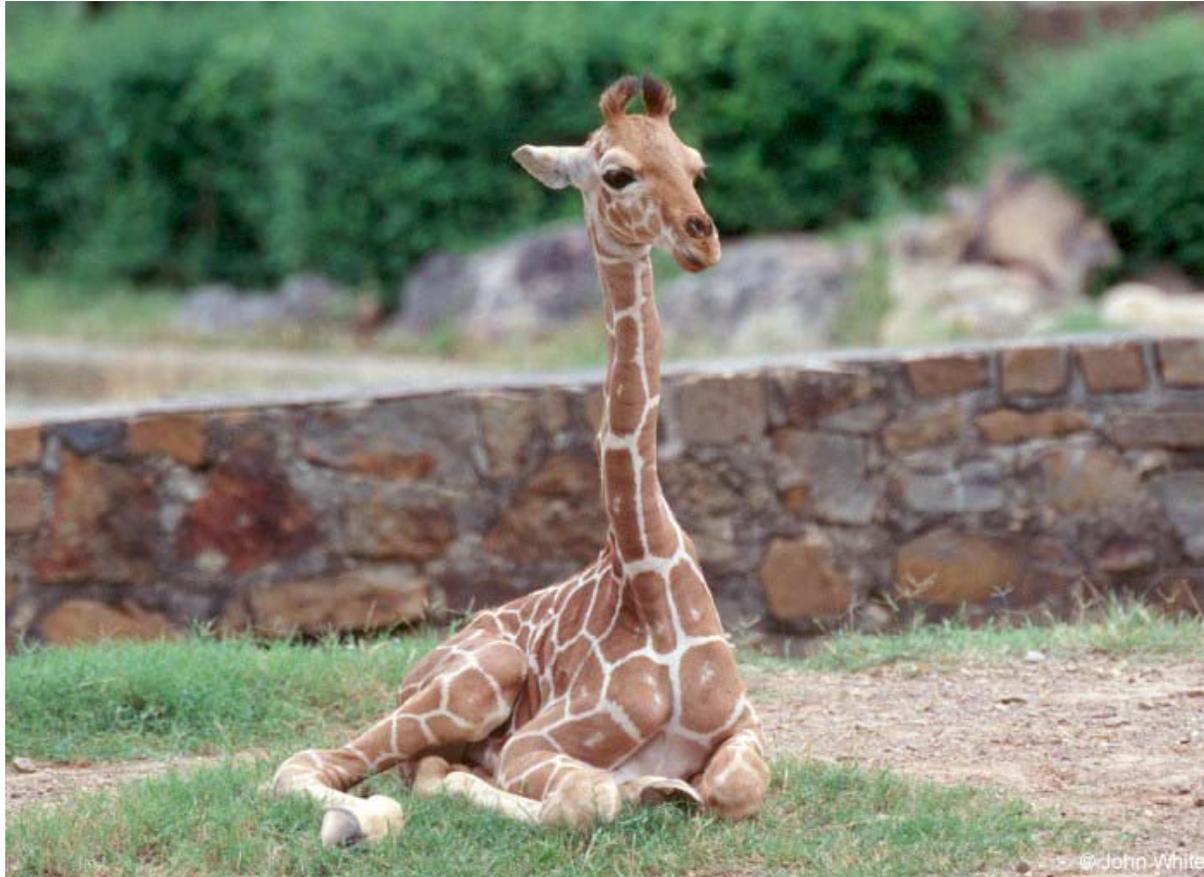


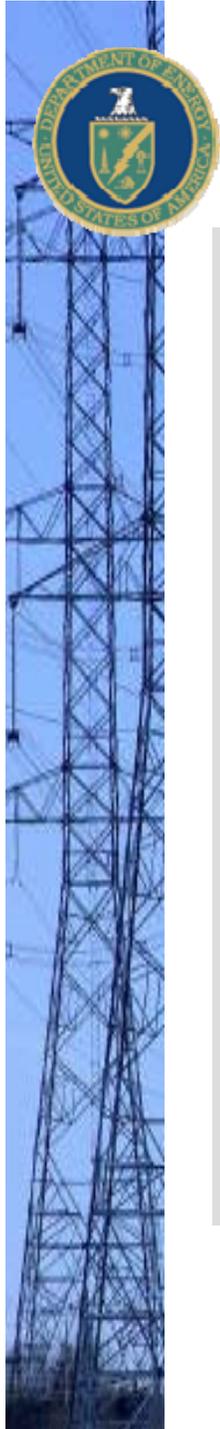
## Concluding Remarks

- **DOE's 2009 Congestion Study will be based on an extensive and public consultative process.**
- **The Study will be based on a combination of information developed through public comments, independent analyses of historic congestion, and studies of future congestion conducted by others.**
- **Factors affecting congestion in the 3 classes of areas identified in the 2006 will be reviewed; new areas may also be identified.**
- **DOE will issue its final report in August 2009.**
- **Designation of National Interest Electric Transmission Corridors will NOT be addressed in the DOE Congestion Study.**



Questions?





## Contact Information

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