

Western Congestion Assessment Task Force Update

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STEP

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2005 EPAct Section 1221

- Requires DOE to conduct study of electric transmission congestion
- DOE must issue report on congestion studies by August 2006
- Study must be repeated every 3 years
- DOE may designate congested geographic areas as national interest electric transmission corridor (NIETC)

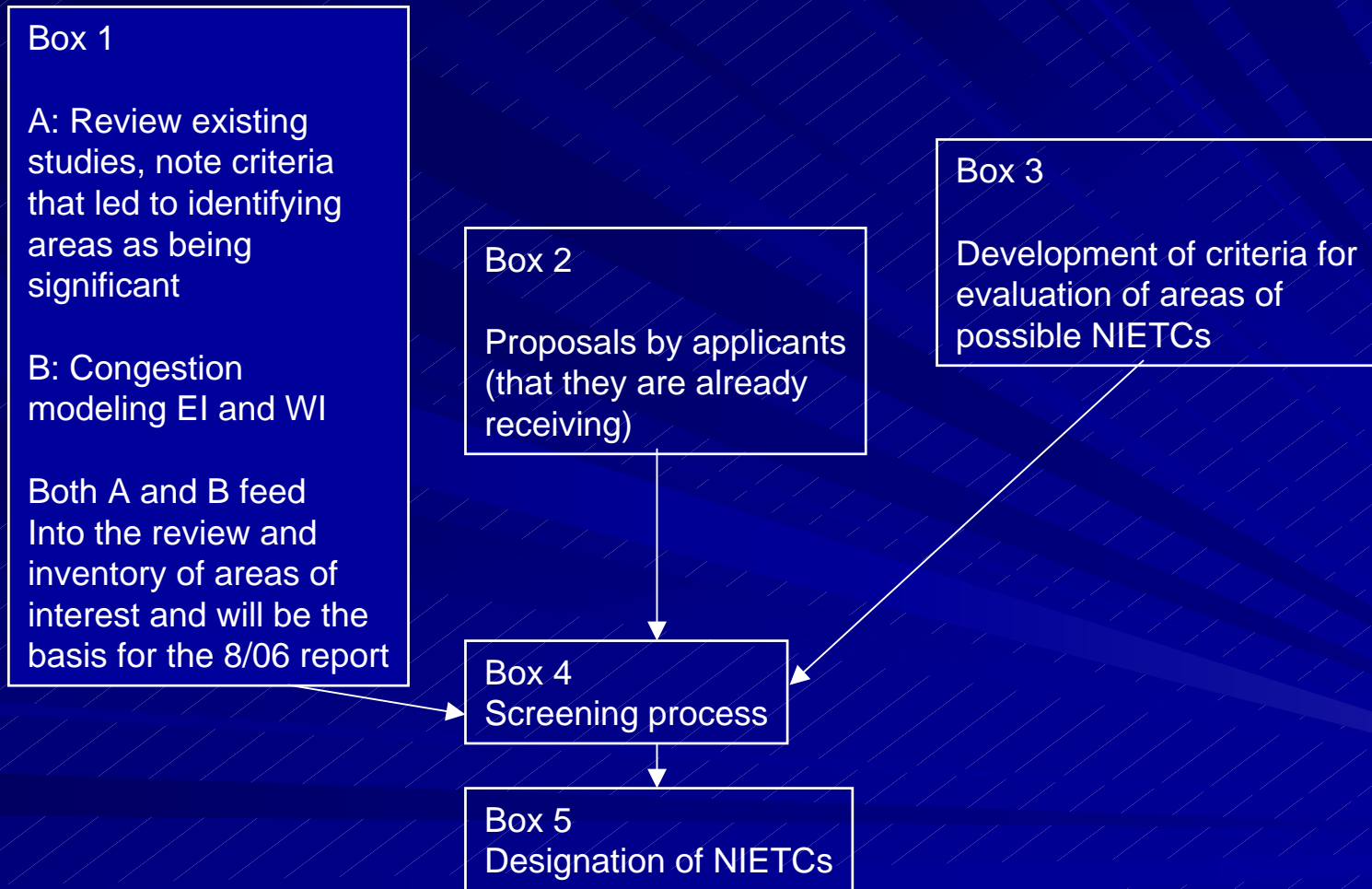
Considerations for NIETC Designation

- The economic vitality and development of the corridor, or the end markets served by the corridor, may be constrained by lack of adequate or reasonably priced electricity
- Economic growth in the corridor, or the end markets served by the corridor, may be jeopardized by reliance on limited sources of energy; and a diversification of supply is warranted

Considerations for NIETC Designation

- The energy independence of the United States would be served by the designation
- The designation would be in the interest of national energy policy
- The designation would enhance national defense and homeland security

DOE Congestion Study and NEITS Designation



WECC Proposal

- Joint proposal from WECC, SSG-WI, CREPC
- Assemble existing interconnection-wide and sub-regional congestion studies
- Perform historical analysis of congestion Using actual flow, OTC, ACT, and schedule data
- Provide results of on-going interconnection-wide studies of future scenarios
- Perform additional studies at DOE request

Joint DOE/WI Joint Task Force

- SSG-WI
- WECC – will increase staffing to support
- RPGs (NTAC, SWAT, STEP, RMATS, CCPG)
- CREPC
- U.S. DOE
- Rob Kondziolka (SRP) Chairman

Task Force Meetings

- November 10, 2005 in Portland
 - Information
 - Assignments to gather data
- December 14, 2005 in Portland
 - Team formed to define corridor
 - Team formed to develop congestion criteria
- February 2, 2006 in Phoenix

Major Milestones

- January 30, 2006
 - Deliver historical analysis of WI congestion using EHV DataPool and OATI data with \$50k DOE funding
- 1st Quarter 2006
 - WECC staff in place
 - Production cost model ready
 - Compile information from:
 - historical analysis
 - SSG-WI's 2005 study (2008, 2015, and CDEAC)
 - RPG studies

Major Milestones

- April 2006
 - CREPC briefings and feedback
- 2nd Quarter 2006
 - Complete DOE requests for additional studies
- June 2006
 - Submit final Congestion Study Report to

Assessment Report

- Identify congested areas
- Identify major assumptions and congestion drivers
- Identify economic impact of congestion
- Identify sensitivity of congestion to assumptions (gas prices, hydro levels, etc)
- Limitations of the analysis

Studies Used in Assessment

- WGA Concept Plan 2001
- SSG-WI 2003 Path Utilization Study
- SSG-WI 2003 Study Program
- SSG-WI 2005 Study Program
- CDEAC Study
- T4 Wind Project – NV State Energy Office
- CEC Trans Investment Plan – Nov 2005

Studies Used in Assessment

- Central Arizona Transmission – SWAT
- Colorado Long Range Transmission Planning Study
- Puget Sound Upgrade Study
- Montana to NW Upgrade Study
- RMATS September 2004 Report
- Path 49 Upgrade
- DPV2
- EOR 9000+
- Sunrise Power Link 500kV Line Project
- IID Transmission Upgrade

Issues

- EPA Act did not define congestion
 - Team formed to develop congestion criteria and quantify congestion from studies
 - No consistent study measurement methodology for congestion
- No agreement on definition of corridor
 - Team formed to define corridor
 - May be different for:
 - Congestion determination, and
 - NIETC designation
- Work on congestion identification and NIETC designation concurrently or sequentially?
 - General Counsel recommended DOE evaluate existing studies before establishing criteria for NIETC designation