EPA's Power Sector Modeling Platform v.5.13

November 27, 2013 - EPA is making available the latest power sector modeling platform, associated data assumptions, and file documentation. For questions or other inquiries regarding v.5.13, please contact us using our on-line form.

- Documentation for v.5.13
- National Electric Energy Data System (NEEDS) v.5.13
- Results Using EPA's Base Case v.5.13

Documentation for v.5.13

To learn more about v.5.13 assumptions, updates, changes, and enhancements, see the links below. These files are available as one document (PDF 7.63 MB), however, this file does not include the additional attachments and tables. Those will still need to be downloaded separately.

- Table of Contents (PDF 342 KB)
- Chapter 1: Introduction (PDF 307 KB)
- Chapter 2: Modeling Framework (PDF 437 KB)
  - Appendix 2-1 Load Duration (Excel 6.84 MB)
- Chapter 3: Power System Operation Assumptions (PDF 2.15 MB)
  - Table 3-18: Availability (Excel 764 KB)
- Chapter 4: Generating Resources (PDF 1.75 MB)
  - Table 4-20: Representative Wind Generation Profiles (Excel 416 MB)
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  - Table 4-35: Capacity Not Included (Excel 122 KB)
- Chapter 5: Emission Control Technologies (PDF 918 KB)
  - Table 5-20: Upgrade Provided to Existing Units without Fabric Filters (Excel 91 KB)
  - Table 5-22: Cost of Building Pipelines to Coal Plants (Excel 91 KB)
  - Table 5-23: Coal Steam Units with Natural Gas Co-firing Option (Excel 29 KB)
  - Attachment 5-1: Wet FGD Cost Methodology (PDF 415 KB)
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  - Attachment 5-4: SNCR Cost Methodology (PDF 646 KB)
  - Attachment 5-5: DSI Cost Methodology (PDF 428 KB)
  - Attachment 5-6: Hg Cost Methodology (PDF 506 KB)
  - Attachment 5-7: PM Cost Methodology (PDF 256 MB)
- Chapter 6: Carbon Capture, Transport and Storage (PDF 135 KB)