



Center for the Commercialization of Electric Technologies



DISCOVERY ACROSS TEXAS

*Technology Solutions for Wind
Integration in ERCOT*



CCET Smart Grid Demonstration Project

CCET Face-To-Face Synchrophasor Team Meeting

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Technology Performance Reports

- TPRs are formal deliverables
- CCET TPR #1:
 - Delivered to DOE on 25 September 2013
 - Feedback received on 3 December, and revised version delivered to DOE on 31 December; available on DOE web site at https://www.smartgrid.gov/recovery_act/program_impacts/regional_demonstration_technology_performance_reports
- CCET TPR #2:
 - Delivered to DOE on 28 April 2014; no comments received; not posted yet
- CCET Final Technical Report:
 - Due to DOE on 31 December 2014
 - Expect quick review, and return of final response by 31 March 2015



Focus of Final Technical Report

- Update all previous TPR content with latest activities, analytic findings and other results.
- Emphasize lessons learned and best practices.
- Incorporate quantified build and impact metrics:
 - Build metrics address equipment types, counts, and relative cost data.
 - Impact metrics quantify benefits in terms of reductions and savings, both operational and environmental.



Focus of Final Technical Report – Impact Metrics

Impact Metrics include:

- Operational savings – e.g., labor reductions = cost and energy savings
- Environmental savings – includes CO2 emissions reductions, and SOX, NOX, and PM2.5 (particulate matter) pollutant emission reductions
 - EPA has a tool called AVERT available at <http://epa.gov/avert/>
 - Use furnished document with basic formulas
- Latest synchrophasor core impact metrics were delivered to DOE on 13 October



Schedule for Final Technical Report

Whom	Activity	Dates
SwRI	Distribute chapters to team leads	2 October
All Parties	Deliver draft inputs to CCET	31 October
SwRI/CCET	Review and provide comments to team leads; include build metrics	14 November
SwRI/CCET	Develop draft ExecSum	28 November
All Parties	Revise chapters and deliver to CCET	28 November
SwRI	Prepare draft for cursory DOE review	2 December
SwRI/CCET	Perform final review and provide comments to team leads	5 December
All Parties	Provide final updates and changes to CCET	19 December
SwRI/CCET	Prepare and submit final to DOE	31 December





Questions?

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