

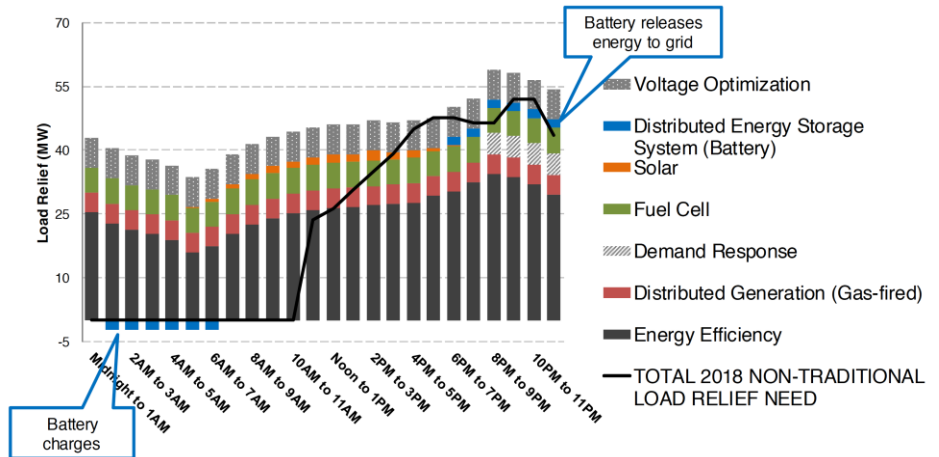
Smart Grid Subcommittee Report

Paul Centolella
Subcommittee Chair

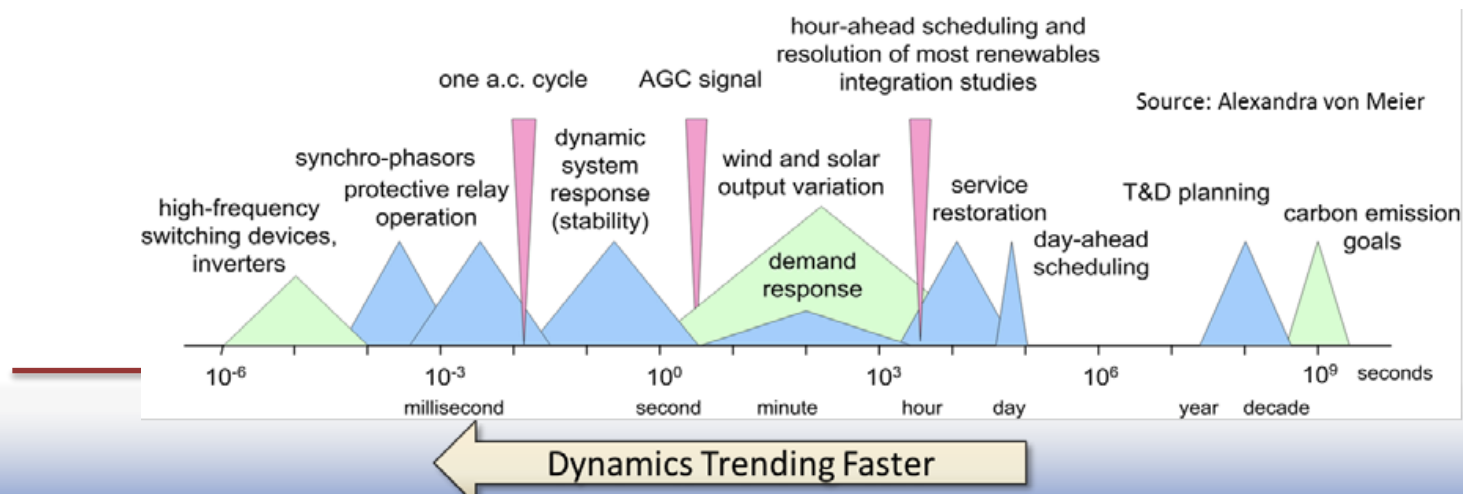
Electricity Advisory Committee
September 29, 2016

DER Valuation & Integration

- Focus on Continuing Investigation on DER Valuation & Integration
 - June Subcommittee Call presentations by Utility Distribution Planners including details on ConEd's Brooklyn Queens Project

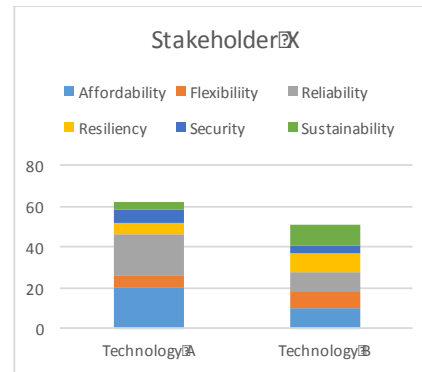
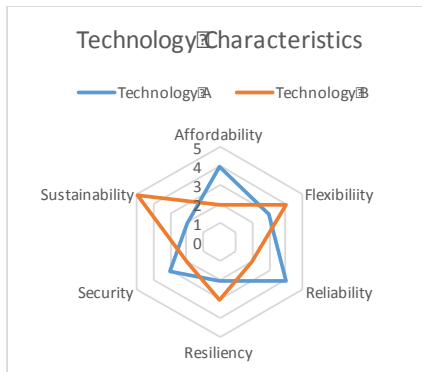


- July Subcommittee Joint Call with Grid Modernization Working Group on Grid Modernization Foundational Project on Grid Architecture

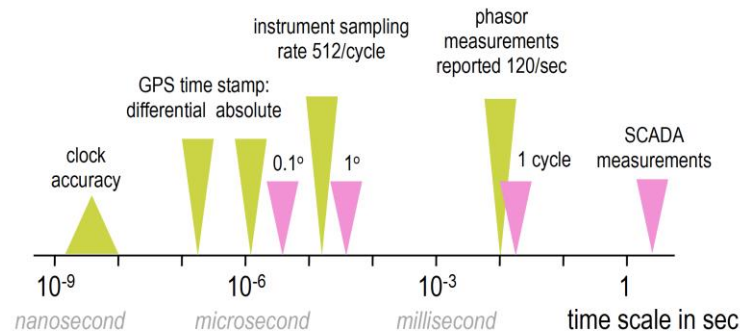


DER Valuation & Integration

- Focus on Continuing Investigation on DER Valuation & Integration
 - August Subcommittee Joint Call with Grid Modernization Working Group on Grid Modernization Foundational Project on Valuation Framework



- September Subcommittee Call presentation on Distribution applications of Micro-PMUs



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DER Valuation & Integration

- Potential DER Work Product: Preliminary list of topics previously identified includes DOE support for:
 - Common Understanding of Terminology and Valuation Frameworks:
 - R&D on tools for and evaluation of variability in time-, location-, & product-specific marginal costs & Value of DER
 - R&D on tools for and analyses of additional factors impacting DER valuations
 - Additional R&D on grid control architecture for high DER environments
 - Integration of DER into distribution planning, forecasting, and operations
 - Developing an understanding of structural & regulatory barriers & opportunities and understanding of stakeholder concerns that impact moving DER technologies into the market
 - Utility rate structures for accommodating high DER environments
- Next Step is Focus on potential Findings and Recommendations

Plan for the Remainder of 2016 and Early 2017

- Welcome any new members of the Subcommittee, identify their interests
- Consider Recommendations to DOE on DER Valuation and Integration
- Kick-off consideration of the impacts of the Internet of Things on Power Systems
 - Potential panel for March EAC meeting

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