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## AEG Chicago Forum

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Phil-Ebosie Nwabueze Director, Engineering

## The Intersection of the Grid of the Future and Continuing the Recovery from COVID-19

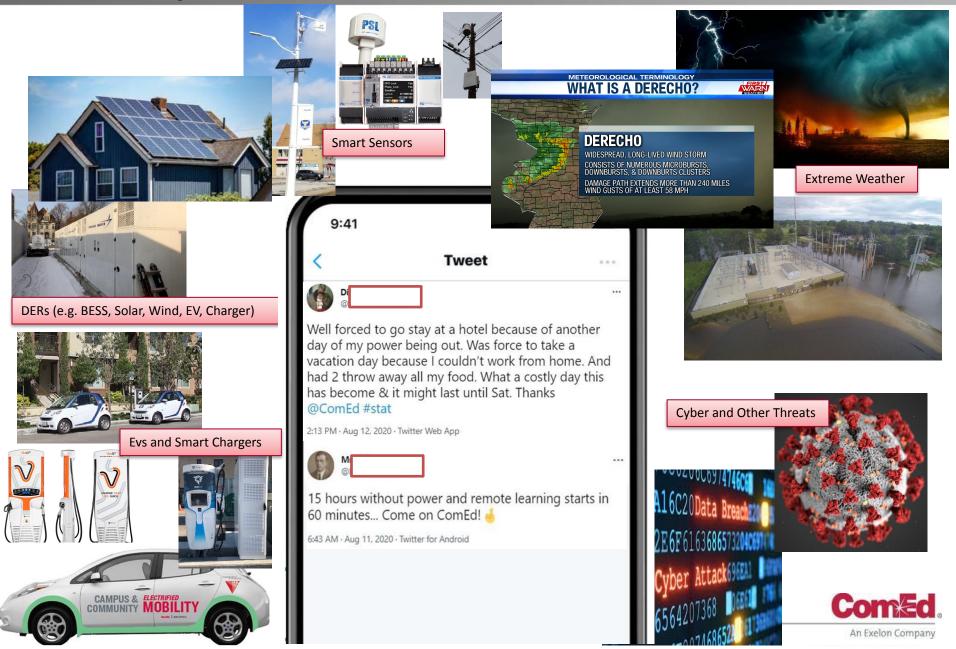
"Start by doing what's necessary; then do what's possible; and suddenly you are doing the impossible" – St. Francis of Assisi



ComEd is investing in technology, systems and Infrastructure in preparation for the Grid of the Future. Can these investments be leveraged to help address one aspect of inequity.

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## Customer's Needs are Changing and Growing, What Investments are Necessary to Meet their Needs?



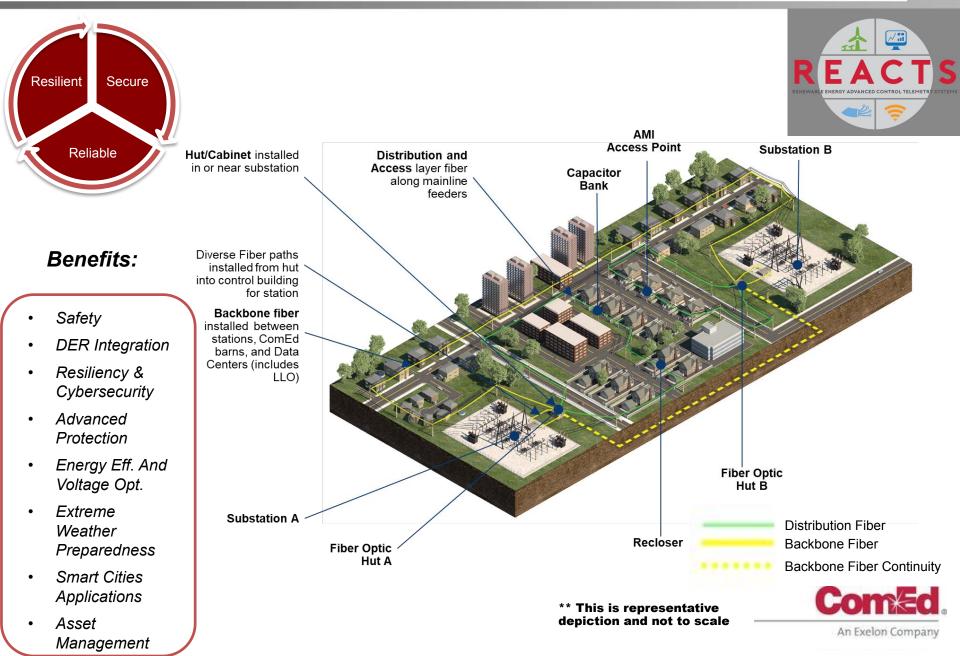
ComEd's **Renewable Energy Advanced Control and Telemetry Systems (REACTS)** program is building a significant quantity of fiber across its territory over the next decade to support an advanced digital communications platform. This will allow large-scale integration of low carbon Distributed Energy Resources (DER), higher levels of reliability and resiliency, enhanced operational intelligence and incorporation of new technology.







The REACTS Program Enhances Grid Resiliency, Security, and Reliability, which are Necessary, but consider the possibilities...



## The Pandemic Revealed Deep Community Needs for Broadband, and the Problem is not Somewhere else, it's here in Illinois...



Gov. Pritzker Launches Connect Illinois, a \$420 Million Statewide Broadband Expansion Under Rebuild Illinois "High-speed broadband internet is an absolute necessity... but, too many of our towns and counties and communities have been left out of the digital revolution..." Gov. JB Pritzker

"The pandemic has reinforced the notion once and for all that internet access isn't a luxury but a necessity," Mayor Lightfoot

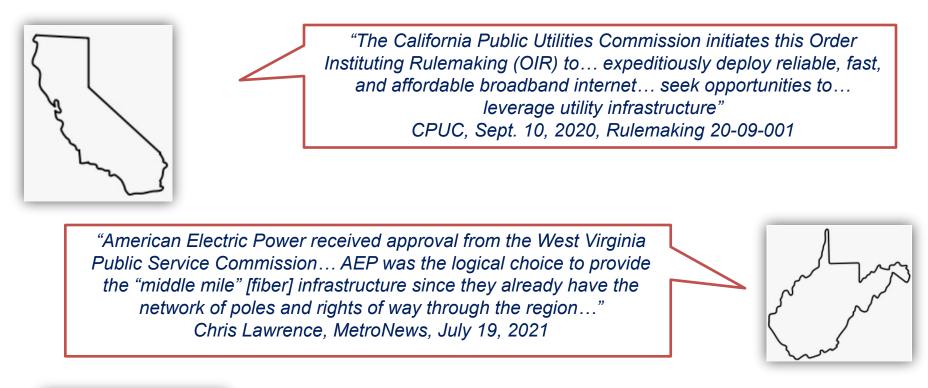
June 22, 2021

Mayor Lightfoot Announces Programmatic Expansion Of 'Chicago Connected,' The City's Groundbreaking Initiative to Close the Digital Divide,...

At all levels, the fundamental need for universal access to broadband is not only recognized, but solutions are actively being sought.



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"Dominion Energy Virginia, Firefly Fiber Broadband<sup>SM</sup>... entered into a Memorandum of Understanding to advance a regional broadband partnership that aims to deliver fiber-optic broadband service to unserved and underserved households and businesses ..." Dominion Energy, PRNewswire, Jun 24,2021

Other States are investigating and/or leveraging utility infrastructure to close the digital divide.



Regarding Grid Modernization, to achieve Chicago's Carbon & Equity goals, a critical obstacle to overcome is the absence of a system-wide high-speed communications network to enable advanced automation and other technologies that enhance the safety, reliability and resiliency of the grid, support the adoption of clean energy resources, help enable electrification and have the capacity to address other societal needs such as the elimination of the digital divide.

In doing so, this investment can contribute to the comprehensive, diverse multi-stakeholder efforts that are underway to help achieve President Biden's and Gov. Pritzker's goal of closing the digital divide.