



**AMERICAN  
ELECTRIC  
POWER**

BOUNDLESS ENERGY™

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**Innovation Overview and Advanced Technology Focus Areas**  
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**Enterprise Innovation and Technology**  
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# AEP IS GLOBALLY LOOKING FOR NEW TECHNOLOGIES AND BUSINESS MODELS IN THREE PRIMARY AREAS DEPLOYABLE IN 2-5 YEARS INTO THE FUTURE

Nick Akins, Chairman, President and CEO:

*"I am confident in our ability to transform our industry for the benefit of the communities we serve. AEP is globally searching for, and validating innovative, advanced technologies, especially to integrate into the distribution grid of the future, for all of our customers and for our operations. Our electrification activities need to improve the lives of all members of society."*



# EXAMPLES OF AEP'S AREAS OF INTEREST IN TRANSFORMATIONAL TECHNOLOGIES AND BUSINESS MODELS READY TO DEPLOY ON A MID-TERM TIME HORIZON

## CLEAN ENERGY PATHFINDING

- **Going green without going dark**
- **Universal access for all citizens**
- **Clean energy software**
- **Hydrogen fuel storage**
- **Mitigating weather-related impacts**
- **Long duration energy storage**
- **Does not include large scale renewables and behind the meter technologies**



# EXAMPLES OF AEP'S AREAS CONTINUED...

## DISTRIBUTED ENERGY FUTURE

- Distributed generation
- Solar plus storage
- BTM solutions
- MG to CHPs
- Renewable natural gas
- DER Grid management

## ADVANCED DATA PLATFORMS

- Advanced data innovation
- Data value chain
- Transactive platforms
- Customer privacy blockchain
- Customer needs identification



# START-UP PITCH DECK QUESTIONS TO ANSWER ABOUT YOUR TECHNOLOGY

1. What is the challenge your technology can solve for AEP?
2. What is the solution that your technology provides?
3. Describe a pilot with the minimum, fastest to complete activities that would demonstrate its benefits to AEP and its customers
4. What would you need from AEP to have a successful pilot?
5. What would be the approximate cost of your pilot?
6. What would be the milestones and duration of your pilot?