



The Future of Electricity Generation and Utilities

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Panelists

- Roger Duncan
- Bram Reinders
- Cris Eugster
- Ken Donohoo



What is the future of the electricity industry?

- In many jurisdictions, including much of Texas, the industry has been vertically disintegrated:
 - Transmission and distribution businesses remain in “traditional” cost-of-service model:
 - Significant amount of costs still typically recovered through “volumetric” adder to retail energy price,
 - Generation and retail sectors competitive.
- Increasing share of renewable production, including distributed resources.



What is the future of the electricity industry?

- Distributed energy resources and end-use efficiency pose significant challenges to the generation, transmission, and distribution business models:
 - Less net energy sold to consumers means lower total energy,
 - but maximum demand may be less affected, so capital investment recovered over smaller sales,
 - How do the network providers avoid the so-called “death spiral”?



Roger Duncan

- Chairman of the Board of Pecan Street, Inc.
- Research Associate at UT, Austin,
- Former General Manager of Austin Energy.



Bram Reinders

- Director of Alliance Management at Alliander NV:
 - Dutch electricity and gas network provider,
 - Establish smart grid and smart city partnerships
- Founder of the European Network for Cyber Security.



Cris Eugster

- Group Executive Vice President, Chief Generation and Strategy Officer, CPS Energy:
 - responsible for Power Generation to serve San Antonio native load as well as the ERCOT market,
 - corporate strategy including the development of new products and services.



Ken Donohoo

- Director, System Planning, Distribution and Transmission, Oncor Electric Delivery Company:
 - distribution and transmission planning analysis,
 - NERC support/reporting and regulatory support,
 - planning reports and collection/development of power system planning data