



***TEXAS
ADVANCED ENERGY
BUSINESS ALLIANCE***

ADVANCED ENERGY IN TEXAS

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What is Advanced Energy?

Electricity Generation

- Hydropower
- Gas turbines
- Solar
- Wind
- Geothermal
- Marine
- Waste
- Biomass
- Nuclear
- Other DG

Electricity Delivery & Management

- Transmission
- Distribution
- AMI
- Micro-grids
- EV Charging Infrastructure
- Energy Storage
- Enabling IT

Fuel Production

- Ethanol & Butanol
- Biodiesel
- Biogas
- Synthetic Diesel & Gasoline
- Bio-oil
- CNG & LNG
- Hydrogen

Fuel Delivery

- Fuel Transportation Infrastructure
- Fueling Stations

Energy Supply

Buildings

- Building Design
- Building Envelope
- HVAC
- District Energy, CHP, CCHP
- Water Heating
- Lighting
- Appliances & Electronics
- Enabling IT

Transportation

- Propulsion Systems
- Vehicle Design & Materials
- Freight Logistics
- Land Use & Infrastructure Design
- Enabling IT

Industry

- Manufacturing Machinery & Process Equipment
- Industrial Combined Heat & Power

Energy Demand



A more dynamic and complex electricity system

Greater customer engagement

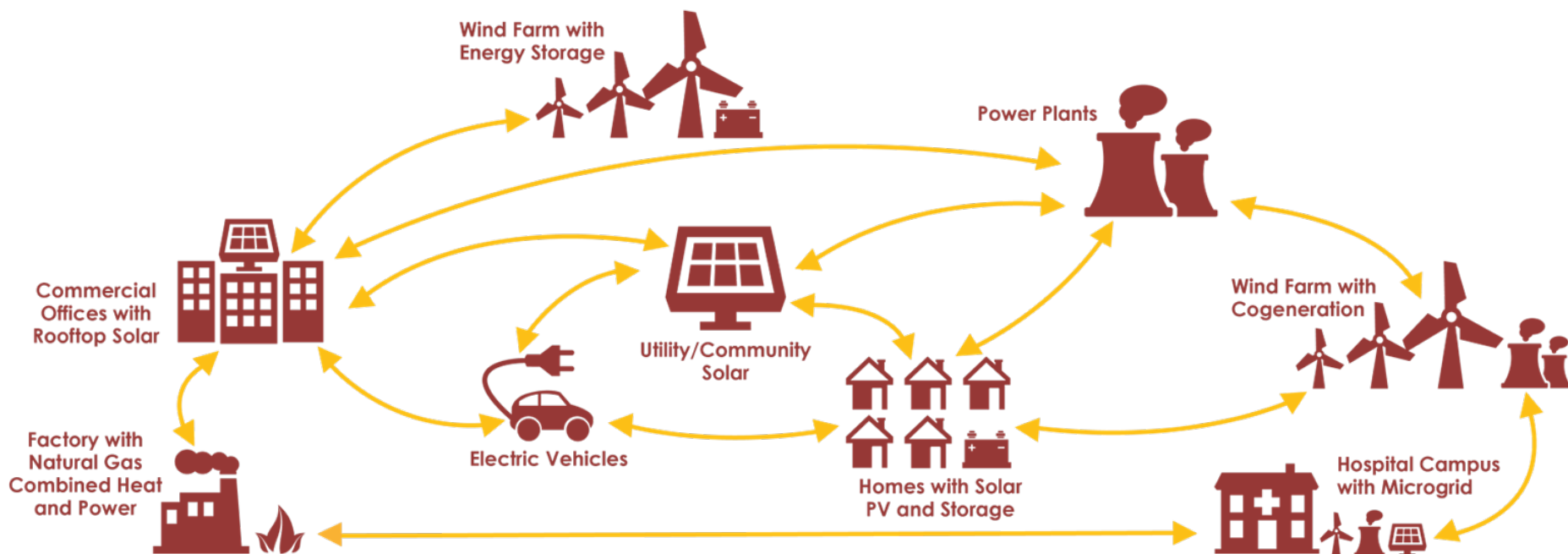
New products and services

Greater focus on value vs. cost

High DER penetration

Two-Way Energy Flows

Digitalization of the Grid



Source: Navigant, 2015



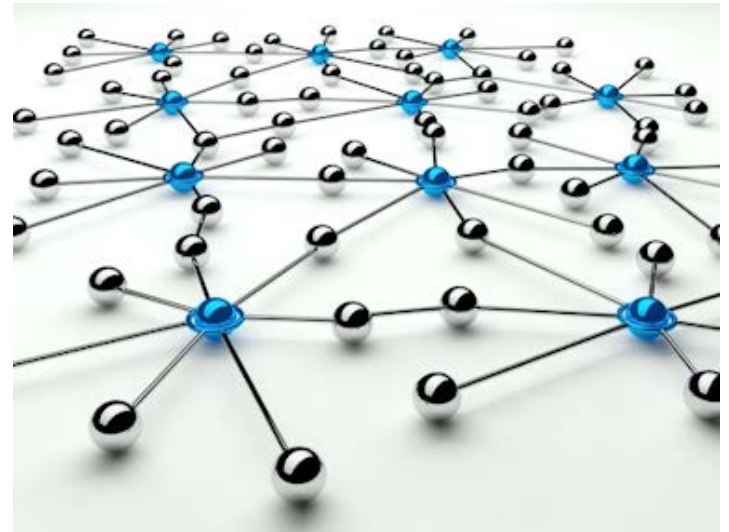
The electricity system is evolving

From here...



Power delivery that is treated as a long extension cord

...to here



Markets for a network of innovative, clean, distributed technologies...creating customer value



Keys to Advanced Energy Growth to Date

- Texas' pro-business environment has allowed advanced energy to thrive.
- There is still untapped potential and ample opportunities for advanced energy development.
- Thoughtful public policies and a continued commitment to removing barriers to competition will give Texas the opportunity to position itself as the national leader in deployment of advanced energy technology.



For More Information about TAEBA

www.texasadvancedenergy.org

- Learn more about our policy priorities
- Download our reports
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