BUILDING BRIDGES TO A LOW CARBON FUTURE

UNIVERSITY OF TEXAS ENERGY WEEK DOYLE N. BENEBY PRESIDENT & CEO, CPS ENERGY FEBRUARY 17,2015

CPS ENERGY OVERVIEW

- Largest municipally owned, vertically integrated electric & gas company in the nation- 756K Electric & 334K gas customers
- Lowest rates among the top 10 largest U.S. cities
- Designated by Bank of America Merrill Lynch as the "Premier Credit Rating" in industry
- Innovative public private partnerships have yielded 548 jobs & \$622M in economic impact to-date in local San Antonio community
- \$11B in asset base, \$2.5B in annual revenue
- 14% of customers are on a Demand Response program which is equivalent a total of 135MWs



San Antonio Ranks 6th in Nation for Solar Energy *

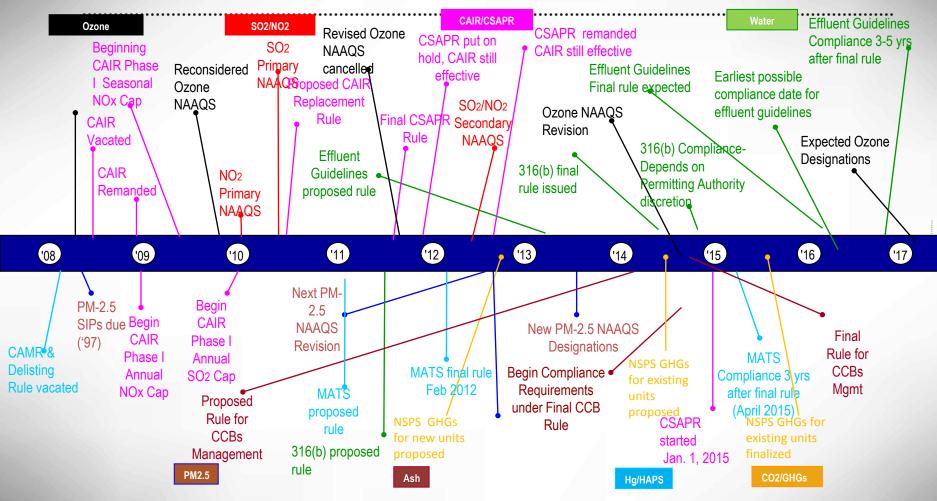
Vision 2020 transition's CPS Energy from a company that is highly dependent on power from traditional generation sources to a company that provides **competitively priced power based on a diverse generation portfolio.**

THE CASE FOR LOW CARBON APPROACH

- Hyperactive Regulatory Environment
 - EPA Clean Power Plan (111D)
 - MATS
 - 316A&B
 - Methane
- Market Dynamics
 - Declining Solar Prices / Grid Parity
 - Increased Scalability of Storage Technologies
 - Declining Natural Gas Prices
 - Demand Response / Lower Demand
- Consumer Behavior
 - Flexibility
 - Control
 - Demographics

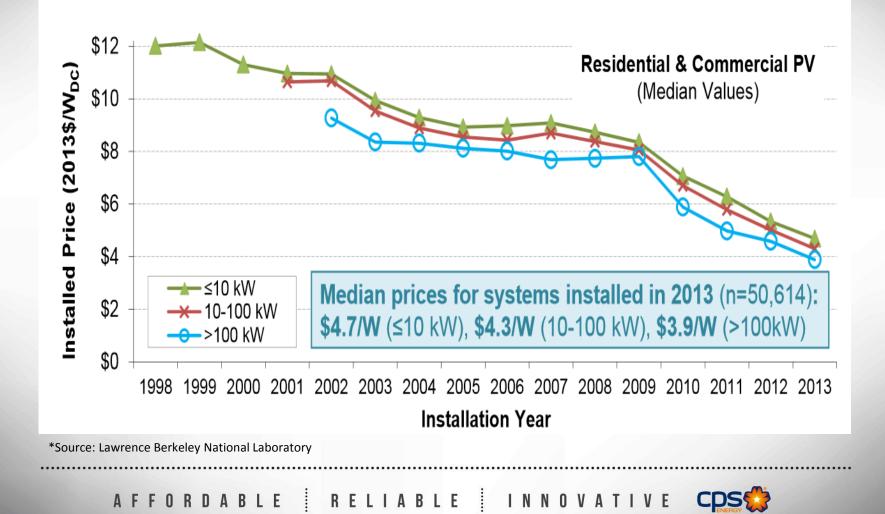


HYPERACTIVE REGULATORY ENVIRONMENT



Get ahead of the issues, rather than be defined by them.

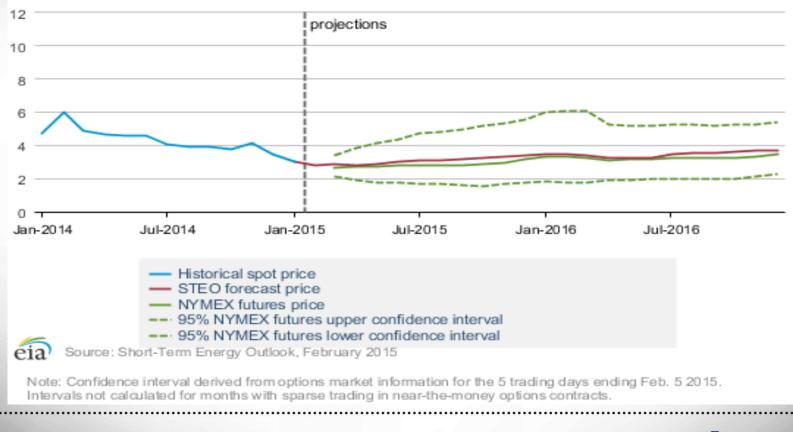
MARKET DYNAMICS: DECLINING SOLAR COST/GRID PARITY



MARKET DYNAMICS: NATURAL GAS FORECASTS

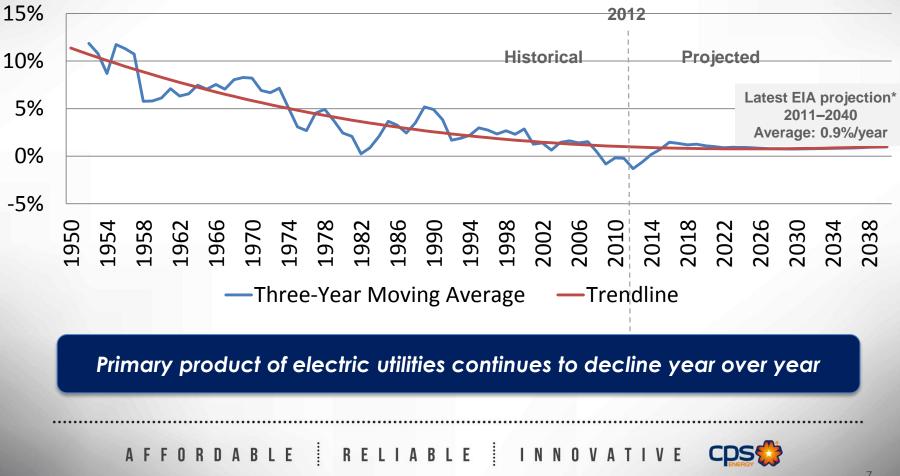
Henry Hub Natural Gas Price

(dollars per million Btu)

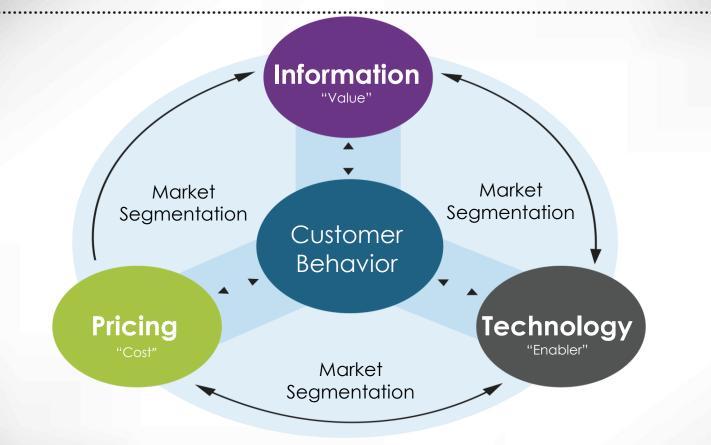


MARKET DYNAMICS: DECLINING CONSUMPTION

U.S. Electricity Demand Growth (Annual and Moving Average in %)



CONSUMER BEHAVIOR: MASS CUSTOMIZATION / PREFERENCES



Developing deeper insight into customer behavior, and anticipating changes, is critical to future market share

THE CPS ENERGY STORY

- Diversity of Generation
 - Natural gas bridge fuel
 - Incremental integration of renewables
- Grid of the Future
 - Interoperability via Open Architecture
 - Data Analytics
- Public Private Partnerships
 - Technology/Innovation
 - Economic Development Education
- Human Capital Investment
 - Training & development
 - "De-bureaucratizing"

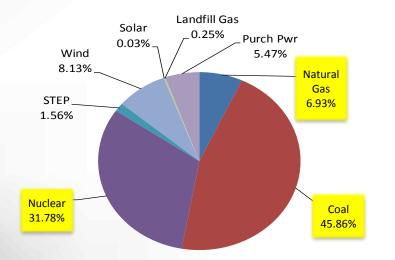


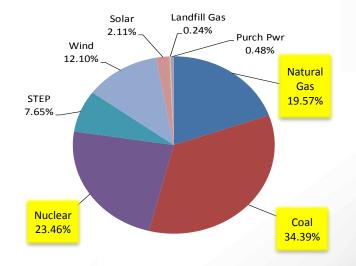
CPS ENERGY 2020 GENERATION DIVERSIFICATION GOALS

20% renewable energy capacity in power generation mix

65% of generation low-carbon

771MW energy efficiency STEP goal*

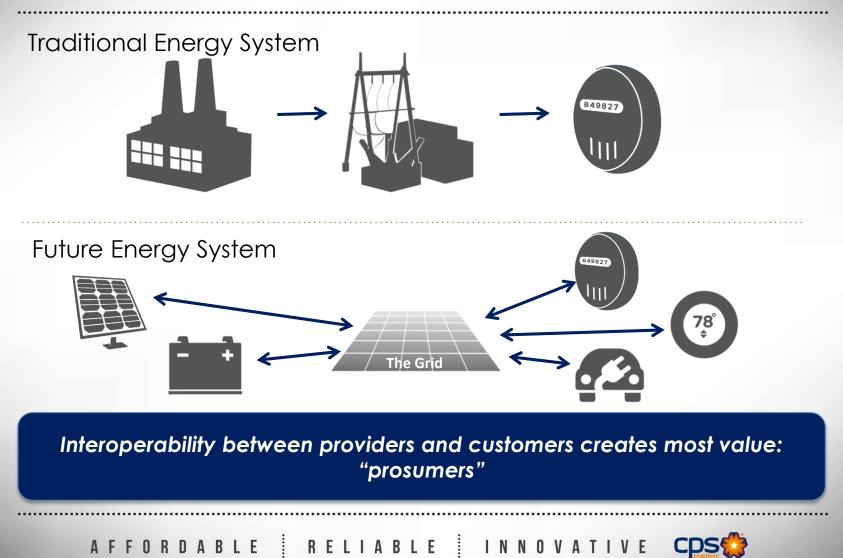




2010 Generation Projected Generation 2020 Traditional 84.57% Traditional 77.42% Renewables 8.41% Renewables 14.45% A F F O R D A B L E R E L I A B L E I N N O V A T I V E Cps for the second se

*STEP (Save for Tomorrow Energy Program)

GRID OF THE FUTURE: INTEROPERABILITY VIA OPEN ARCHITECTURE



PUBLIC PRIVATE PARTNERSHIPS: NON-TRADITIONAL STRATEGIC ALLIANCES



HUMAN CAPITAL INVESTMENT



Don't just survive in a changing environment, THRIVE...

CHALLENGES

- Cyber and Physical Security Concerns
- Natural Phenomena
- Increasing Global Coal Demand
- Disaster recovery
- Utility Adaptability



"ALL FIXED SET PATTERNS ARE INCAPABLE OF ADAPTABILITY OR PLIABILITY. THE TRUTH IS OUTSIDE OF ALL FIXED PATTERS." -BRUCE LEE