

# Will coal be part of what “Makes America Great Again?”

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# Discussion Plan

- **NiSource: Who we are**
- **Energy's Big Trends**
  - How is the war on coal going?
    - The CO<sub>2</sub> Story
    - The Wind Story
    - The Germany Story
    - The U.S. Picture
  - Utility Perspective
- **Will coal be part of what “Makes America Great Again?”**

# NiSource: An Industry-Leading Natural Gas and Electric Utility Company



- 7-State Footprint
- ~7,500 Employees
- ~3.5M Natural Gas Utility Customers
- ~500K Electric Utility Customers
- ~\$30B, 20+ Year Infrastructure Enhancement Plan

Columbia Gas®

**NIPSCO**™

One of the Nation's Largest Natural Gas Distribution Companies

★ Corporate Headquarters   ● State Utility Headquarters

# An Industry-Leading Natural Gas and Electric Utility Company

## Our Stakeholder Commitments

1. Industry-leading safety performance
- ★ 2. Top-tier customer satisfaction and brand perception
3. Investments that systematically and efficiently deliver service integrity
4. Dependable, predictable and timely service and emergency response
5. Growing our customer base by expanding into unserved areas
6. Recognized among the best places to work by all in our communities
- ★ 7. Sustained year-to-year 4%-6% EPS and dividend growth

★ **Takeaway Alert!** File these in your head for later!



# NIPSCO

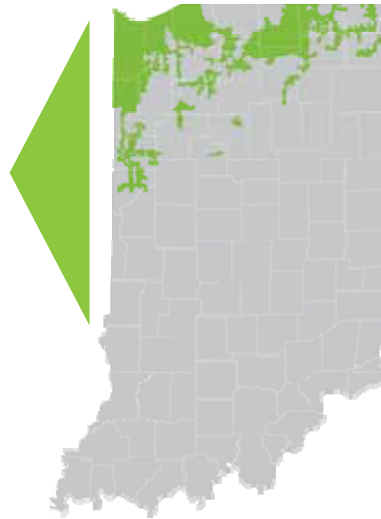
## ELECTRIC

### Business Profile

- Third largest electric utility in Indiana (~500K customers)
- Fully integrated electric utility
- 3,821 MW of environmentally compliant generation
- ~ \$3.0B rate base

### Customer Focus

- Fewest customer complaints in Indiana
- Top quartile reliability performance
- Continued rise in J.D. Power customer satisfaction survey



## GAS

### Business Profile

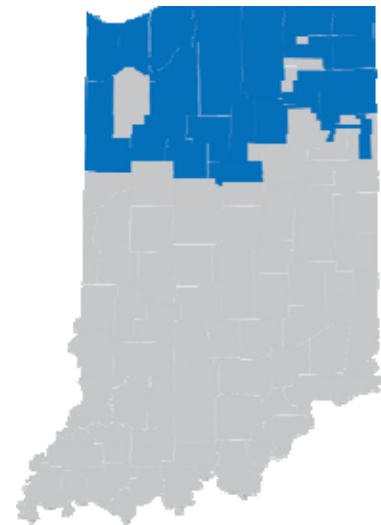
- Largest LDC in Indiana (~800K customers)
- ~ 17,000 miles of pipe
- ~ 35 miles of unprotected steel
- Regulatory construct encourages gas system expansion into rural areas
- ~ \$800M fair value rate base

### Customer Focus

- Lowest-cost gas provider
- Fewest customer complaints
- Continued rise in J.D. Power customer satisfaction survey

### Economic Outlook / Customer Growth

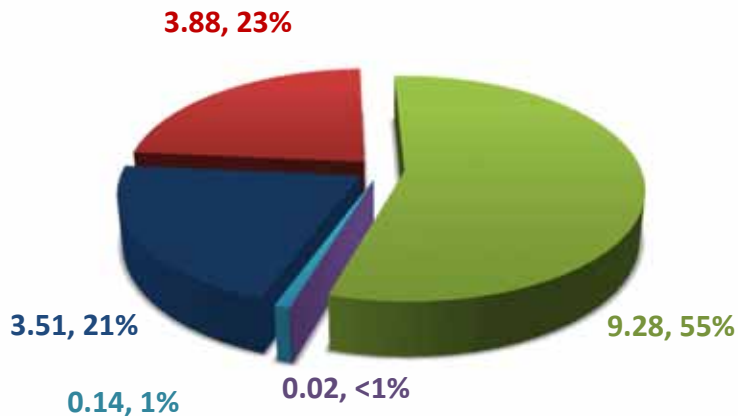
- Customer growth potential through rural extension opportunities



# NIPSCO Electric Customer Mix<sup>1</sup>

## Customer Energy Sales

(TWhrs)

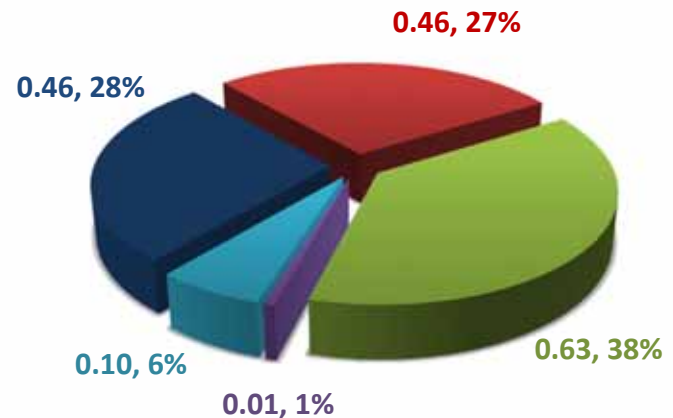


Total 16.8 TWhrs

- Residential
- Commercial
- Industrial
- Wholesale
- Other

## Electric Gross Revenue

(\$ in Billions)



Total \$1.66B

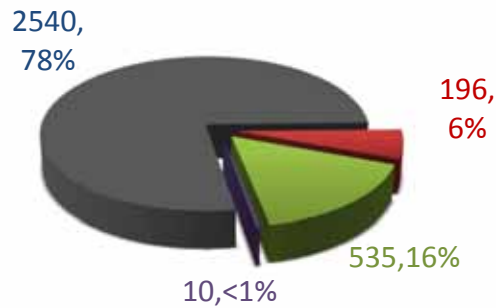
- Residential
- Commercial
- Industrial
- Wholesale
- Other

**Takeaway Alert! I & C 65% of Gross Revenue and 78% of Energy Sales**

1. NiSource 2016 10K

# 2016 Capacity Mix and Energy Mix

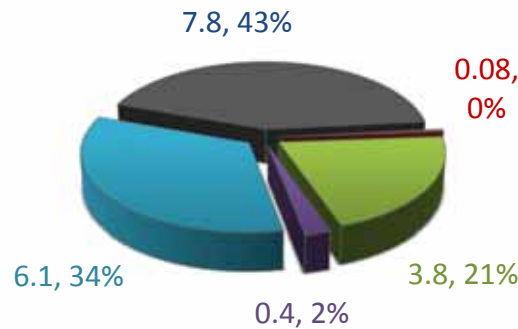
## Capacity (Net MWs)



**Total 3,821 MWs**



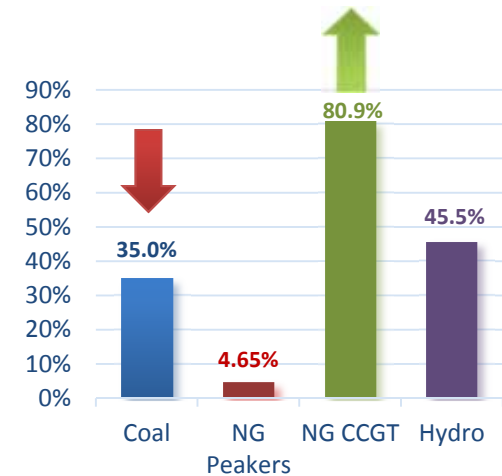
## Energy (Sales) (TWHrs)



**Total 19.3 TWHrs**



## Capacity Factors



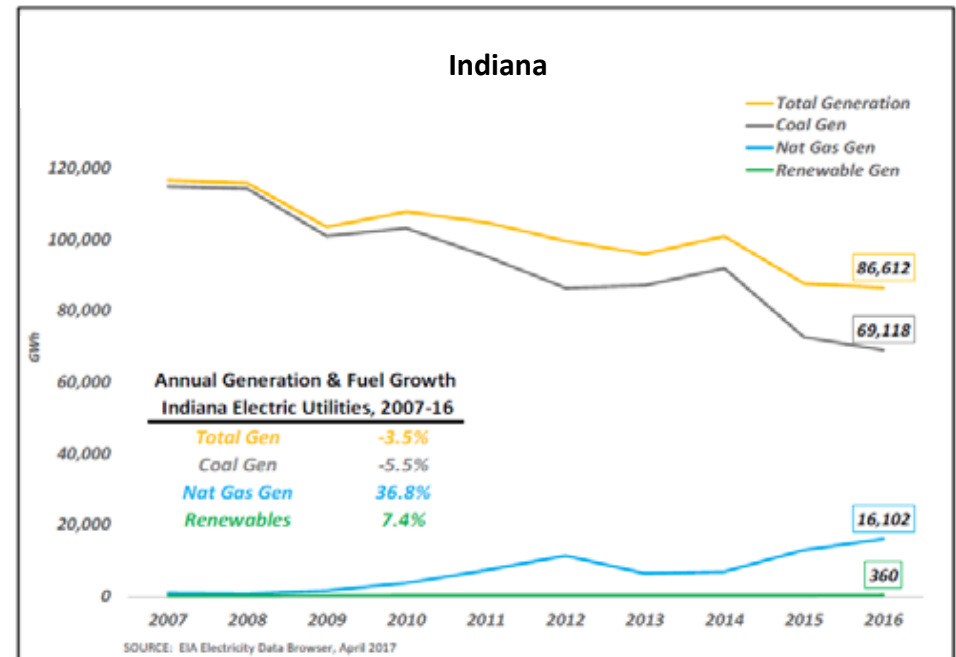
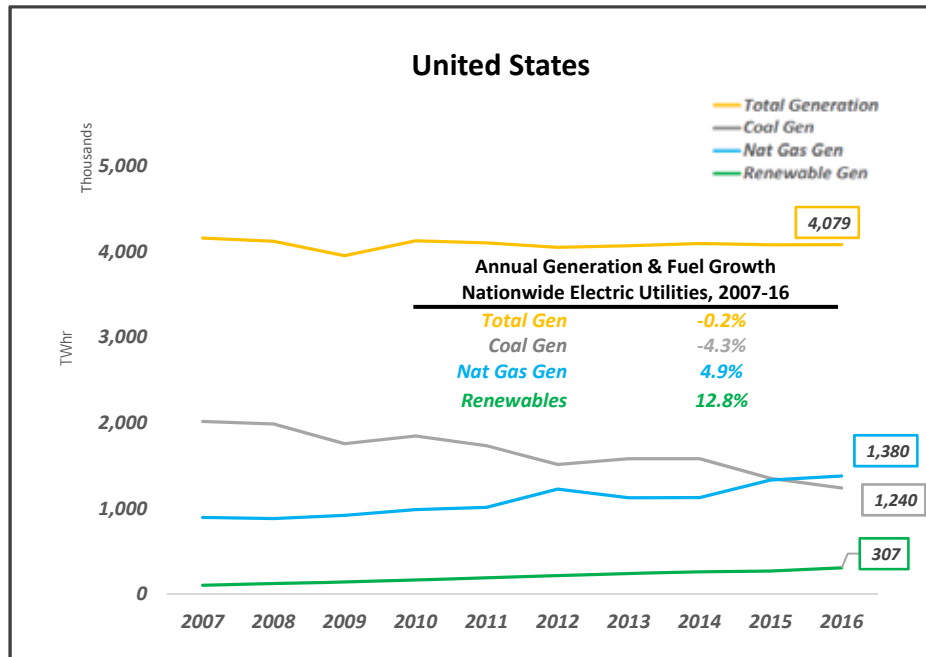
**Takeaway Alert! CCGT and Coal Capacity Factors have flipped.....**



# We are here

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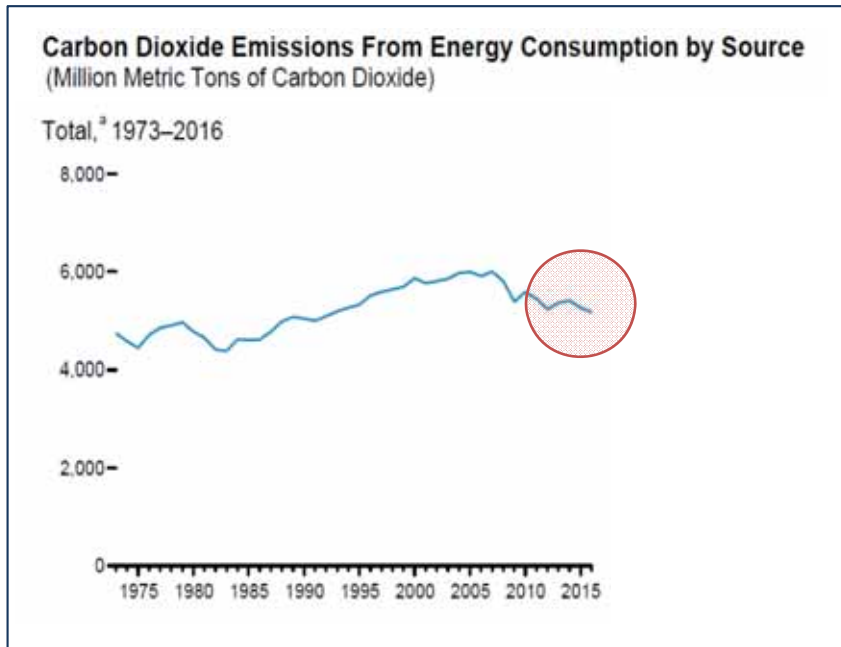
# The Mix: Coal, Natural Gas and Renewables



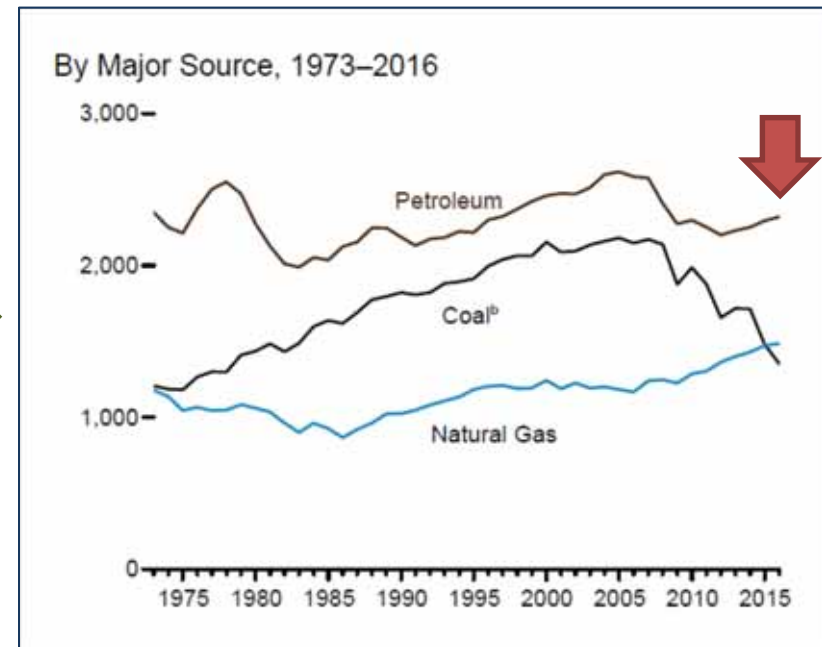
- Precipitous drop in U.S. coal consumption
- IN supply mix has been impacted more dramatically

**Takeaway Alert! Gas is beating coal...**

# U.S. CO<sub>2</sub> Emissions



U.S. Energy Information Administration / Monthly Energy Review March 2017

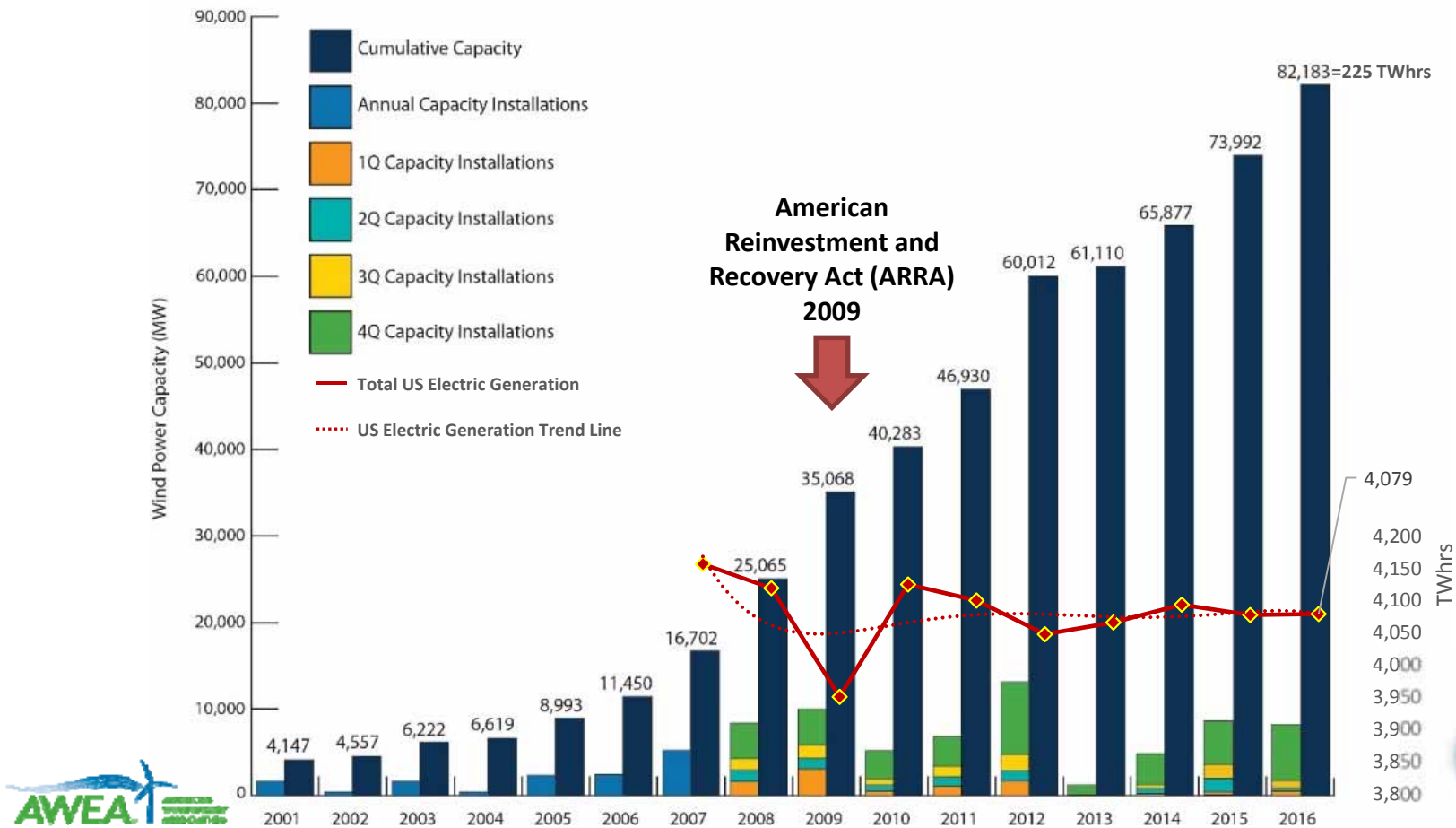


U.S. Energy Information Administration / Monthly Energy Review March 2017

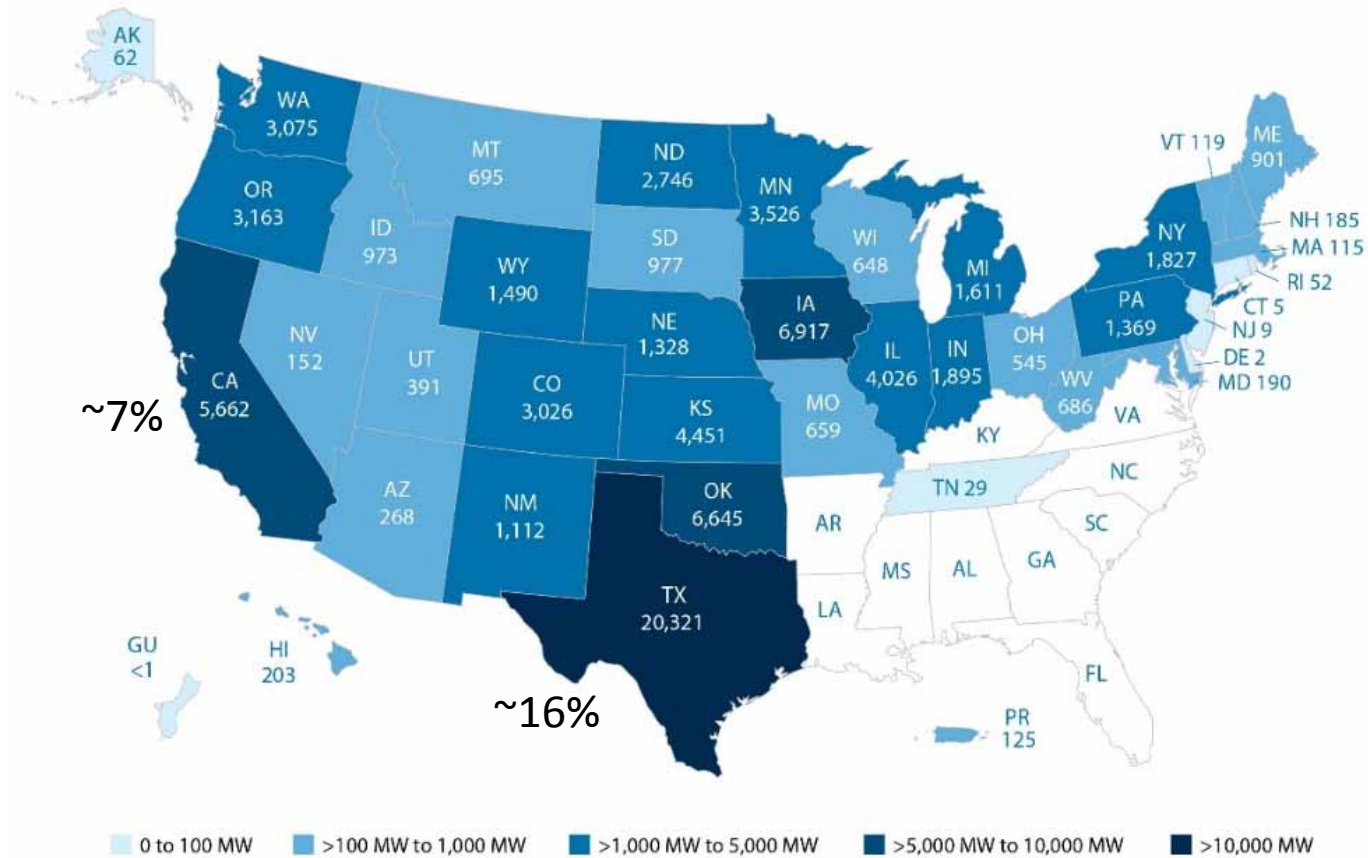
- Total emissions are lower
- Emissions from Coal and Natural Gas significantly lower than Oil

**Takeaway Alert! CO<sub>2</sub> emissions from coal way down...**

# The Wind Story: Trend is not Coal's Friend

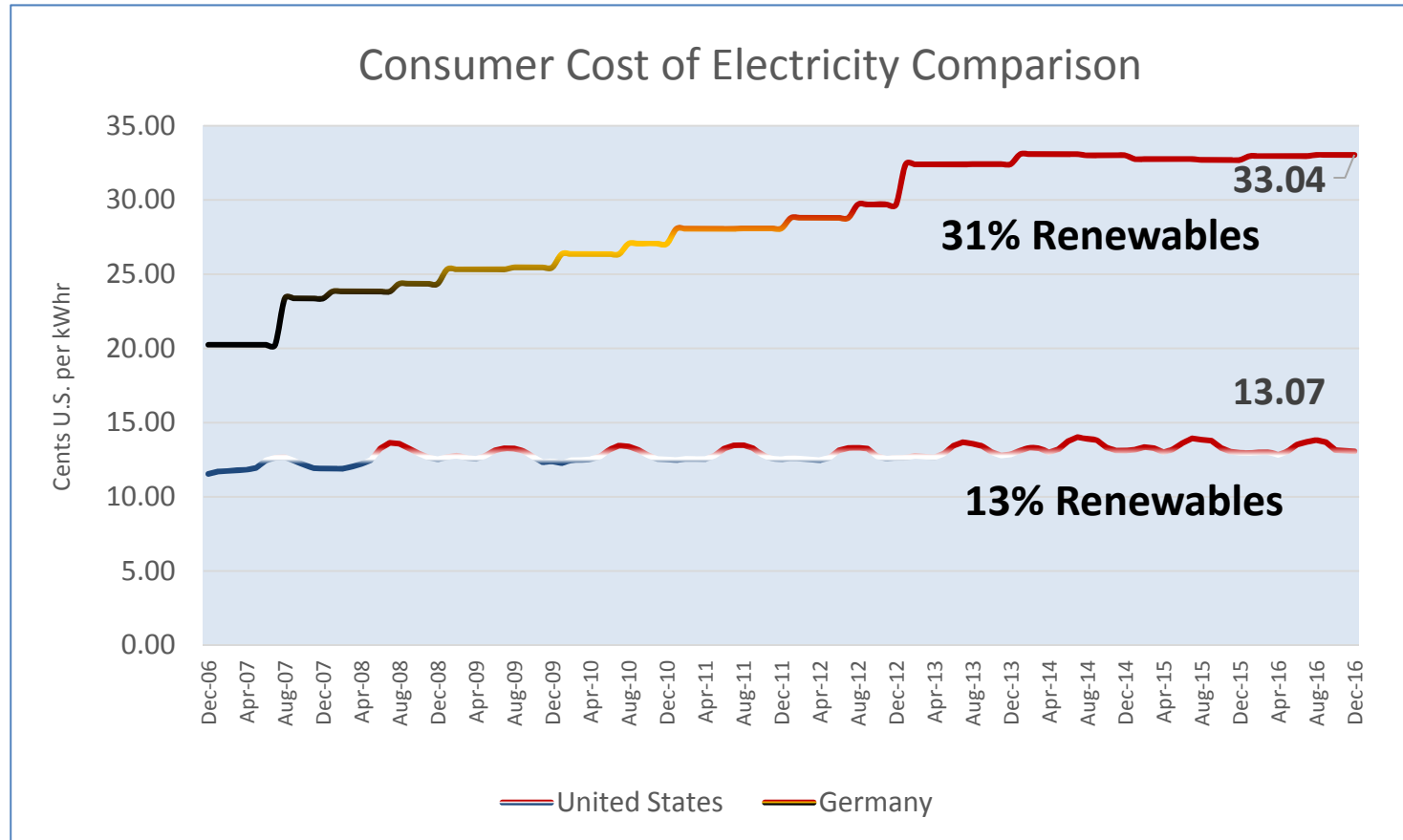


# The Wind Story: US Wind Capacity Density



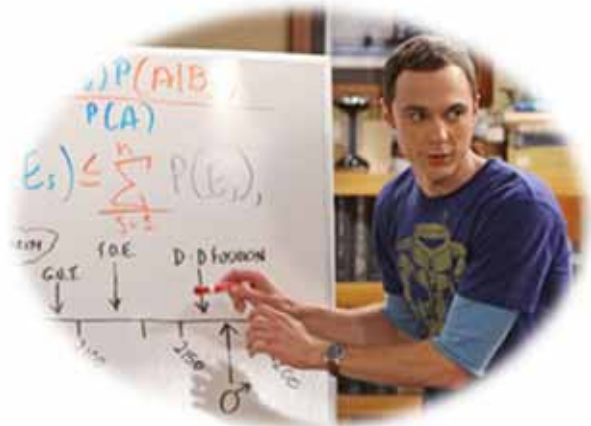
**Takeaway Alert! Lots of wind in Texas...**

# The German Story: Renewables are Costly



**Takeaway Alert! Electric rates are not increasing.... Why?**

# The US Picture: Because, the Cost is Indirect

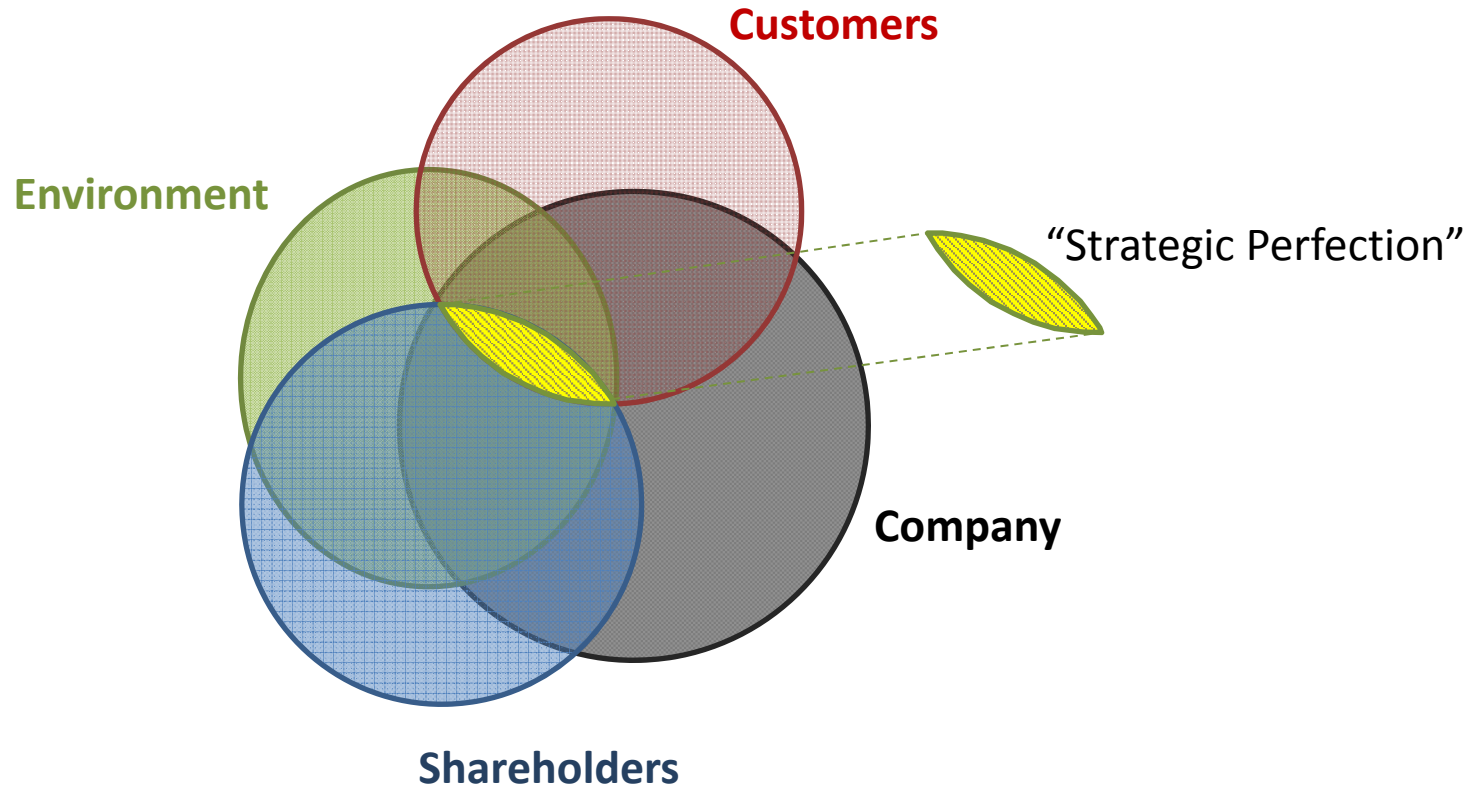


**Tax Credits: Would you like to do the math (wind only)?**

$$82,183 \text{ MW} \times 31\% \times 8,784 \text{ hrs} \times \$23.00 \text{ per MW hr} = \$5,147,114,715$$

**Takeaway Alert! The cost buried in the national debt.....**

# Utility Perspective: Everything Venn



- ★ ② Top-tier customer satisfaction and brand perception
- ★ ⑦ Sustained year-to-year 4%-6% EPS and dividend growth

**Takeaway Alert! Stakeholders influence strategy**



# Utility Perspective: What “Strategic Perfection” sounds like

*Working toward a lower carbon future by “**modernizing and diversifying**” its portfolio, including **retiring older coal plants and building new natural gas plants and renewables.***

*“Our role as an energy provider is to serve our customers with safe, reliable and **cost-competitive** electricity generated in **compliance** with established **environmental** rules,”*

*“I hope it doesn’t come out that renewables are to blame (for coal’s demise),”..... “Wind is saving our **customers money.**”*

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**Takeaway Alert! Stakeholders influence strategy**

# Utility Perspective: The Bottom Line

- Environmental influences have increased spending
- Utilities must weigh competing forces
- Reliability is fundamental
- Provide cost competitive supply
- A balanced energy supply mix is prudent

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# Will coal be part of what “Makes America Great Again?”

What have we got  
that’s good?



I’ll get back to you Gene

- The trends are not great
- Coal has been disadvantaged
- Environment drives a balanced mix
- Utilities answer to multiple stakeholders
- Incentives for Renewables
- Coal will be a smaller part of the mix