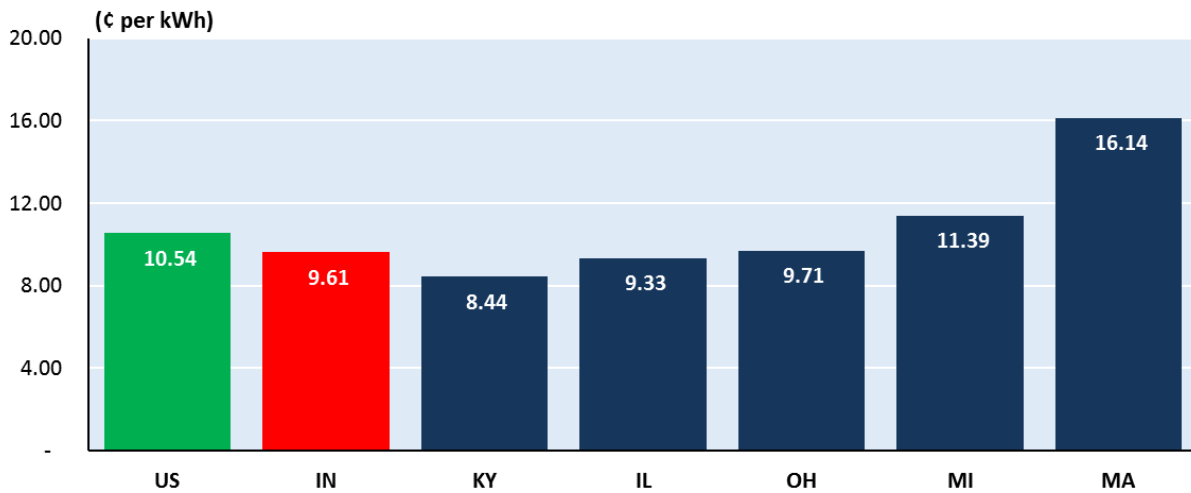


# Powerful Facts about Electricity in Indiana

## Retail Electricity Prices

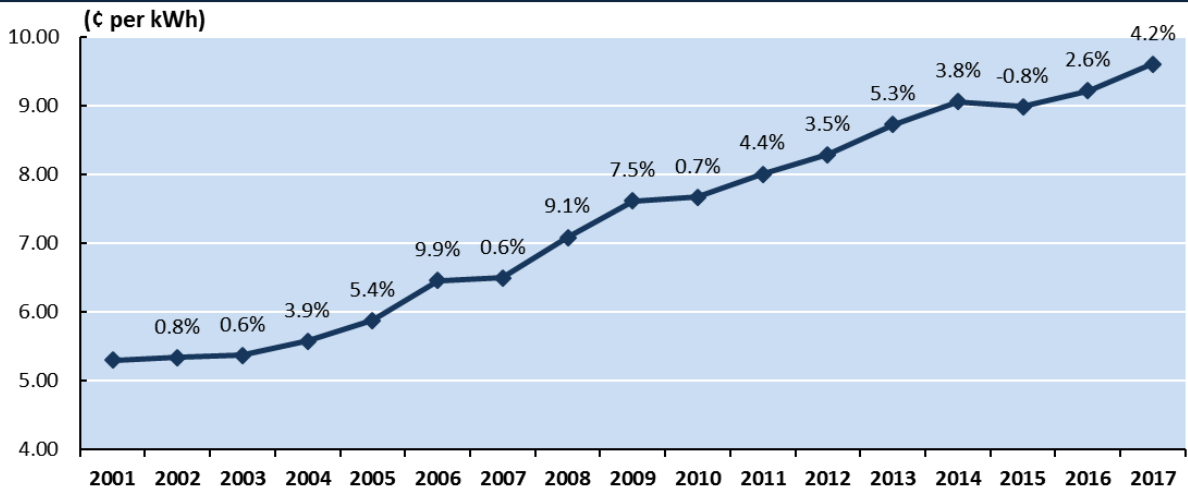
1. Indiana has the 21<sup>st</sup> lowest electricity prices in the country, 9 percent under the U.S. national average.

2017 INDIANA RETAIL ELECTRICITY PRICE COMPARISON - ALL SECTORS



2. Electric retail rates have risen gradually over the last two decades, increasing by an average of 3.8% per year.

INDIANA TOTAL ELECTRIC RETAIL RATES W/ ANNUAL CHANGE - ALL SECTORS



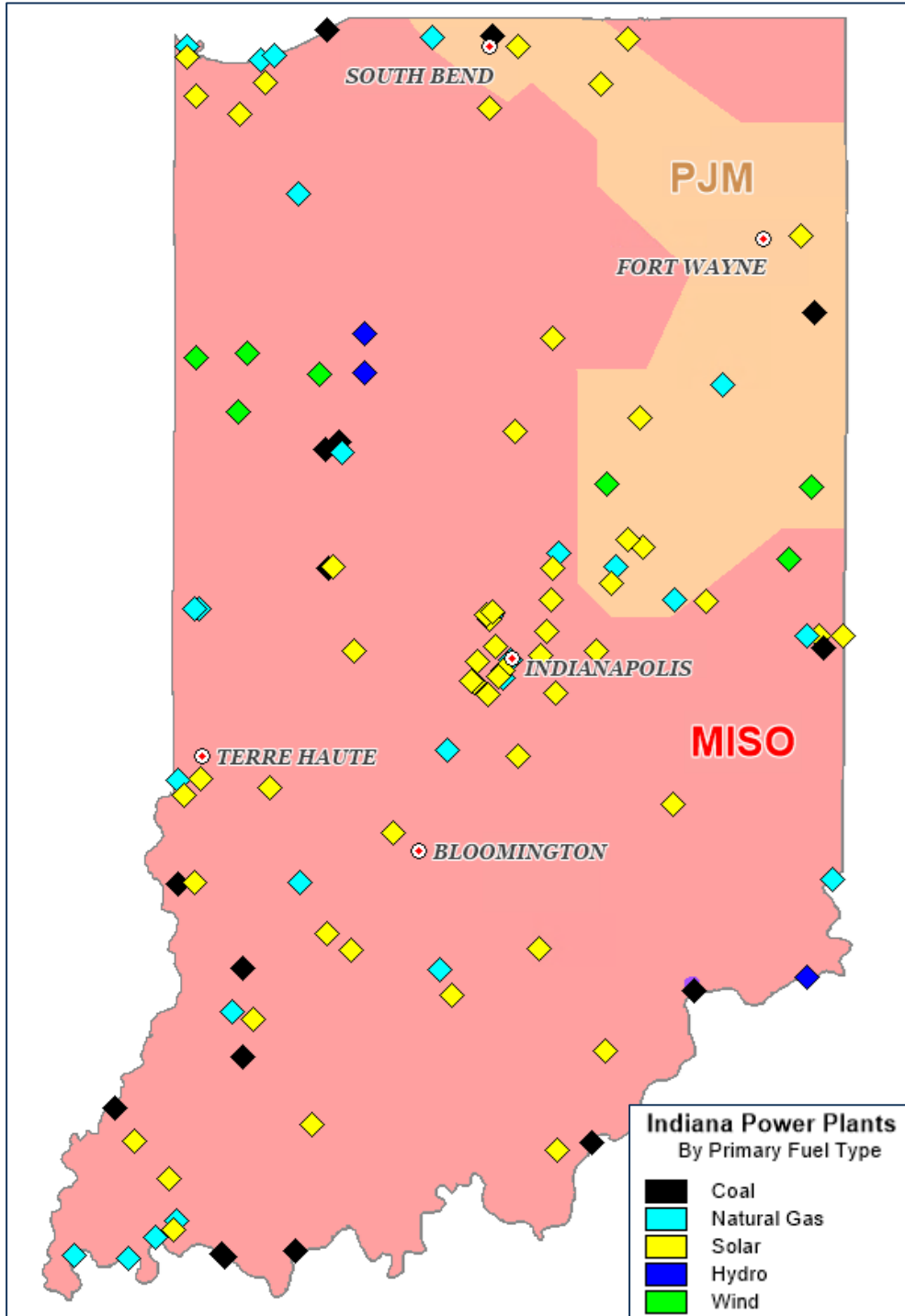
Source: U.S. Department of Energy, Energy Information Administration

3. In 2017, residential retail rates averaged 11.95¢ per kWh which ranks 22<sup>nd</sup> lowest in the nation.
4. In 2017, commercial retail rates averaged 10.30¢ per kWh which is the 28<sup>th</sup> lowest in the nation.

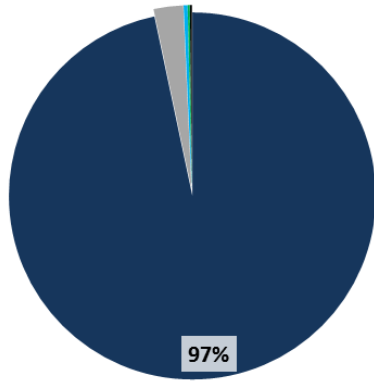
- In 2017, industrial retail rates averaged 7.39¢ per kWh which ranks 31<sup>st</sup> in the nation.

## Electric Generation

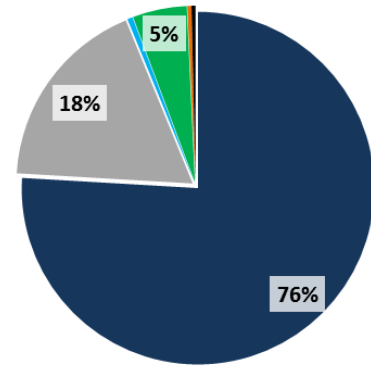
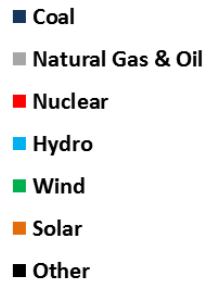
- The majority of Indiana's generating resources are in the Midcontinent Independent System Operator (MISO), while only a small portion in the northeastern part of the state is balanced by PJM.



## INDIANA 2008 GENERATION MIX

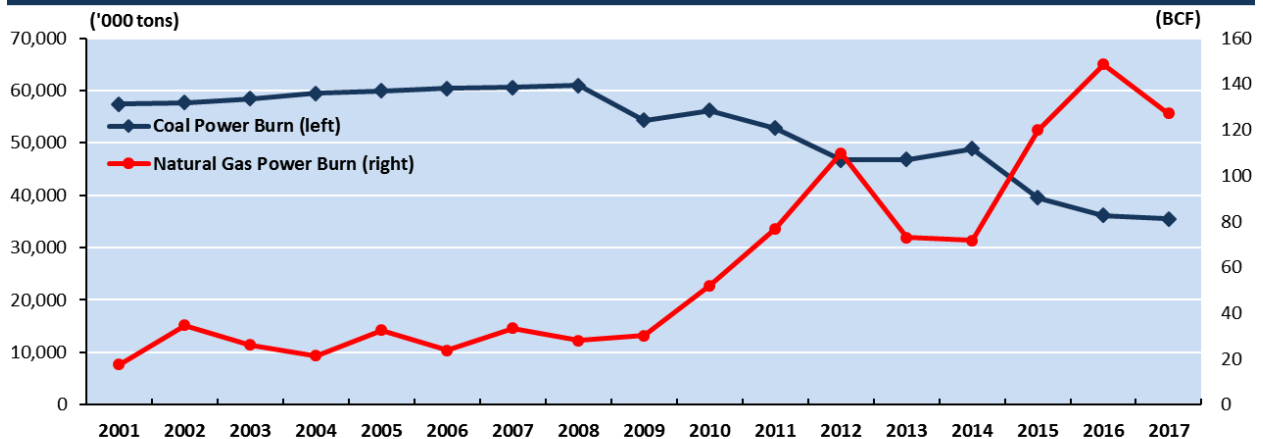


## INDIANA 2017 GENERATION MIX



7. In 2017, Indiana coal generation accounted for 76% of all electricity generated in-state. Natural gas and oil-fueled generating resources accounted for 18% of total generation, while wind accounted for 5%.
8. Just ten years earlier, coal-fired power plants accounted for 97% of total in-state electricity generation.
9. Over the last eight years, more than 4 GW of Indiana coal capacity has been retired, just as the state added more than 1,000 MW of wind capacity in the state.

## INDIANA FOSSIL FUEL CONSUMPTION FOR ELECTRIC POWER GENERATION



Source: U.S. Department of Energy, Energy Information Administration

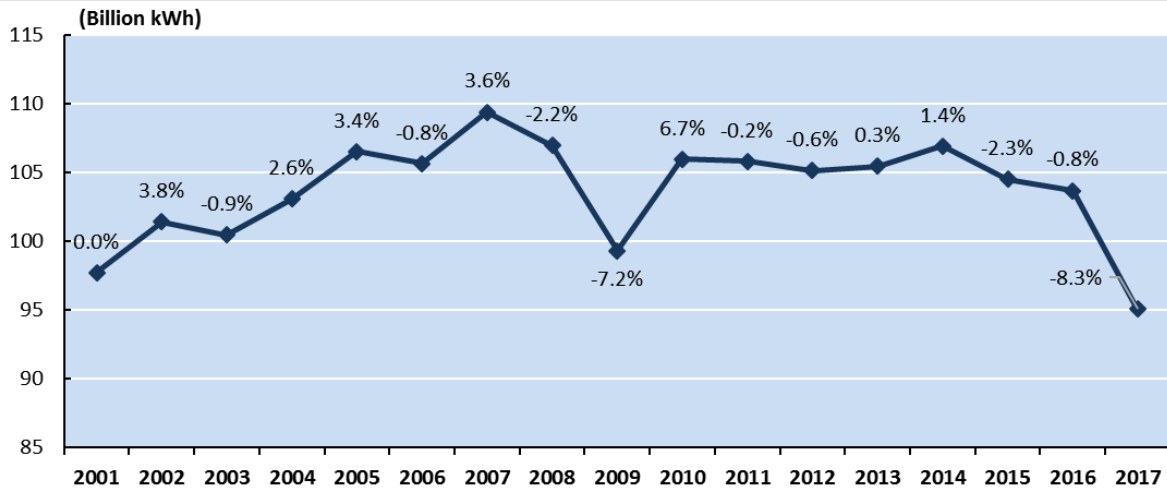
10. Over the last decade, in-state coal consumption has declined 42%, while natural gas consumption has more than tripled over the same period.

## Electricity Demand

11. Total electric retail sales have dropped to its lowest since the beginning of the century to just 95 billion kWh.

12. Retail sales never fully recovered to levels before the 2008 Great Recession. Recent plant closures such as closures by Del Monte and Kellogg resulted in 2017 industrial electric retail sales to drop by more than 13% from 2016 levels.

### INDIANA TOTAL ELECTRIC RETAIL SALES W/ ANNUAL CHANGE - ALL SECTORS



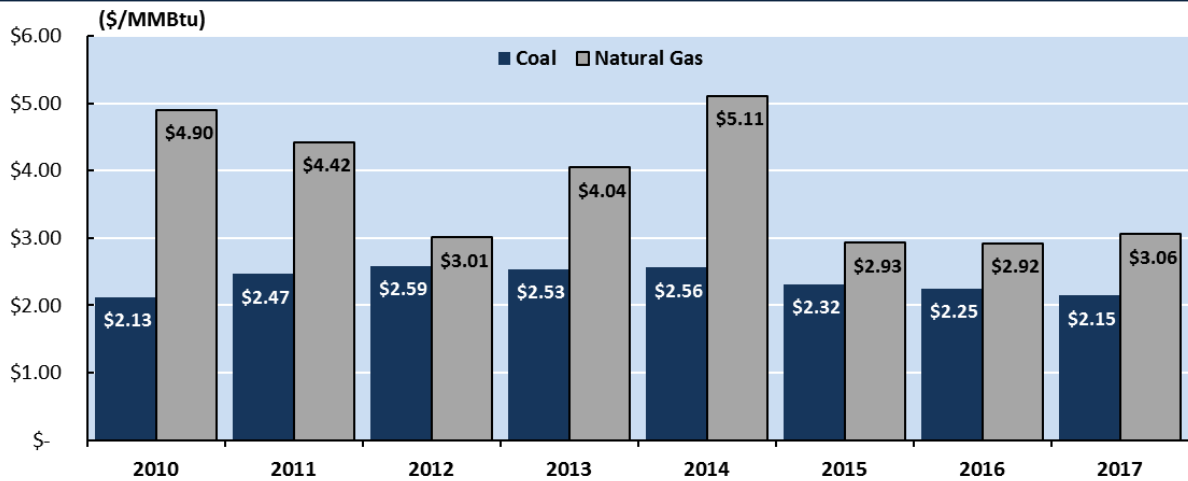
Source: U.S. Department of Energy, Energy Information Administration

13. Still, in 2017, 42 percent of retail sales came from the residential sector (40.3 TWh), 25 percent from the commercial sector (23.6 TWh), and 33 percent from the industrial sector (31.1 TWh).

## Delivered Fuel Prices

14. Since the southwestern part of the state is located in the Illinois coal basin, delivered bituminous coal prices are the 9<sup>th</sup> lowest in the country.
15. Indiana's location enables natural gas consumers to procure the fuel from producers along the Gulf Coast or producers in the Marcellus and Utica shale plays, thanks to recent pipeline developments such as the reversal of the REX pipeline.

### INDIANA DELIVERED FUEL PRICES

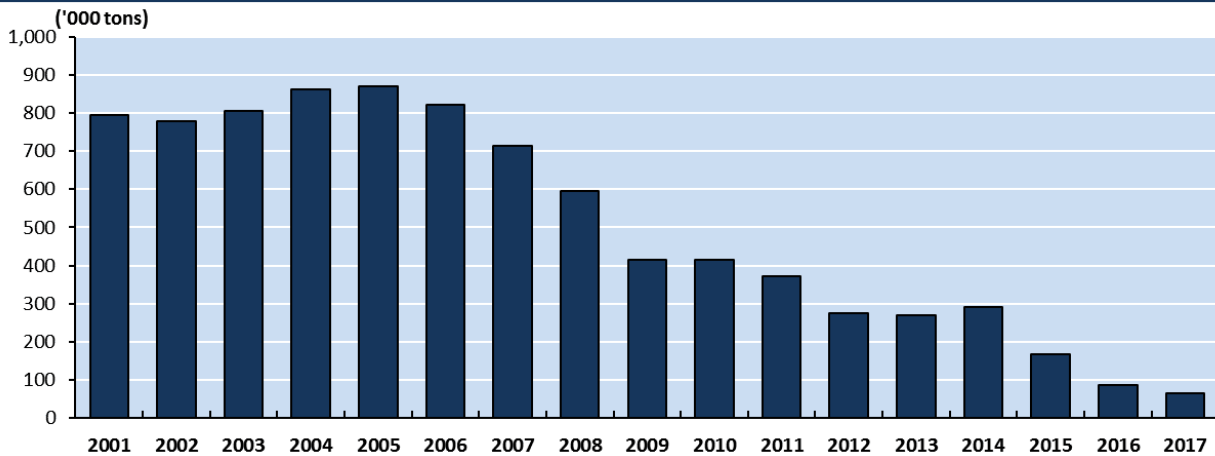


Source: U.S. Department of Energy, Energy Information Administration

### Emission Profile

16. Indiana's power producers have spent more than \$10 billion in state-of-the-art emission control equipment, by far the most of any state in the U.S.
17. As a result, Indiana power sector SO<sub>2</sub> and NO<sub>x</sub> emission have fallen significantly during the last decades.
18. Overall Indiana power sector SO<sub>2</sub> emissions have declined by more than 93 percent since 2005, from 871 thousand tons per year to just 64 thousand tons per year in 2017.

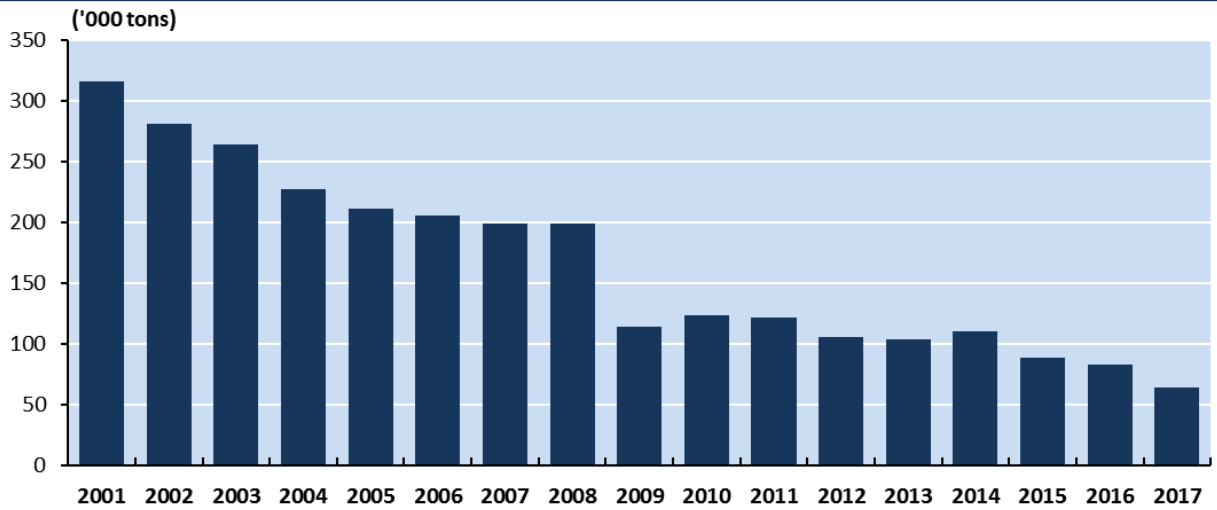
### INDIANA POWER SECTOR SO<sub>2</sub> EMISSIONS



Source: U.S. Energy Protection Agency

19. Annual NO<sub>x</sub> emissions from the Indiana power sector have decreased by 80 percent since 2001, down from 315 thousand tons to just 63 thousand tons in 2017.

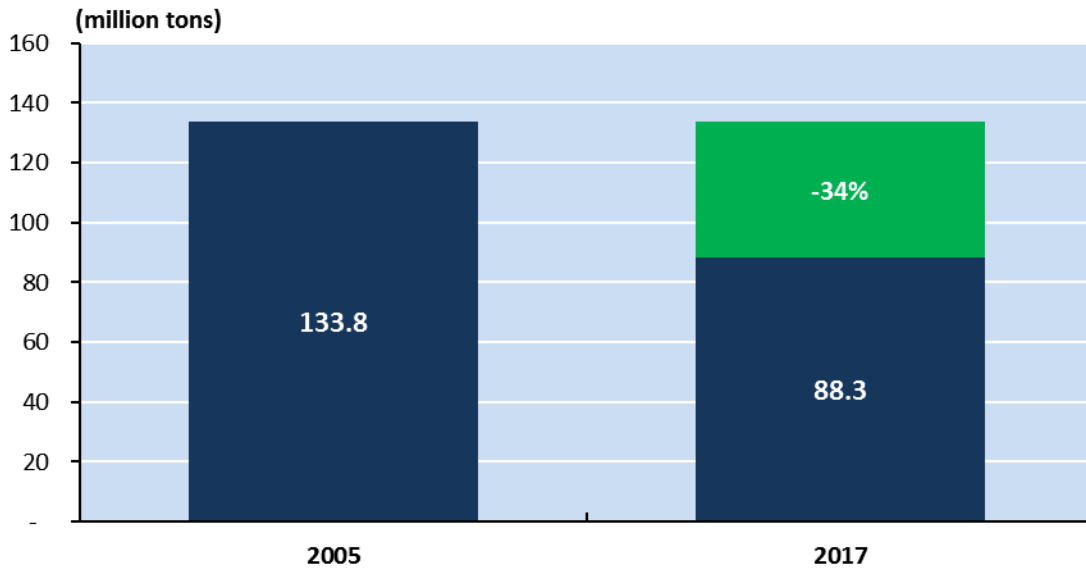
## INDIANA POWER SECTOR NOX EMISSIONS



Source: U.S. Department of Energy, Energy Information Administration

20. CO<sub>2</sub> emissions have decreased by 34 percent from 2005 levels, well below the national average reduction of 32% that was required by the since-stayed 2015 EPA Clean Power Plan.

## INDIANA POWER SECTOR CO<sub>2</sub> EMISSION REDUCTIONS



Source: U.S. Environmental Protection Agency

*Prepared by:*



### ENERGY VENTURES ANALYSIS

1901 N. Moore Street, Suite 1200  
 Arlington, VA 22209-1706  
 703 276 8900  
[www.evainc.com](http://www.evainc.com)