

# Kansas Electric Service

Presentation for the Senate Utilities  
Committee  
January 13, 2004

By Larry Holloway  
Chief of Energy Operations  
Kansas Corporation Commission

- Revenues Divided by Sales

- ▶ Approximates Rates

- How Does Kansas Compare

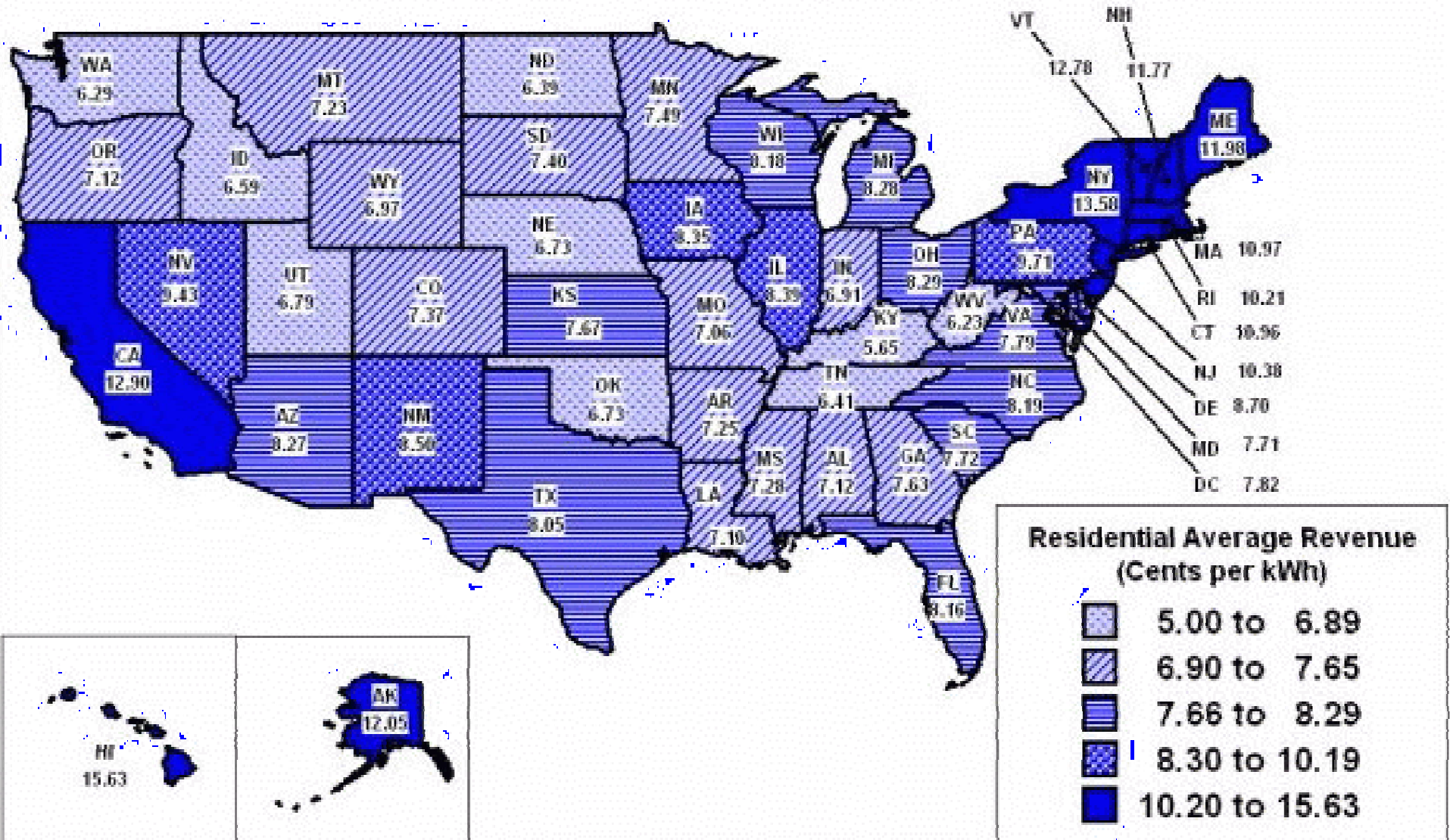
- ▶ Nationally

- ▶ Regionally

- ▶ Across the State

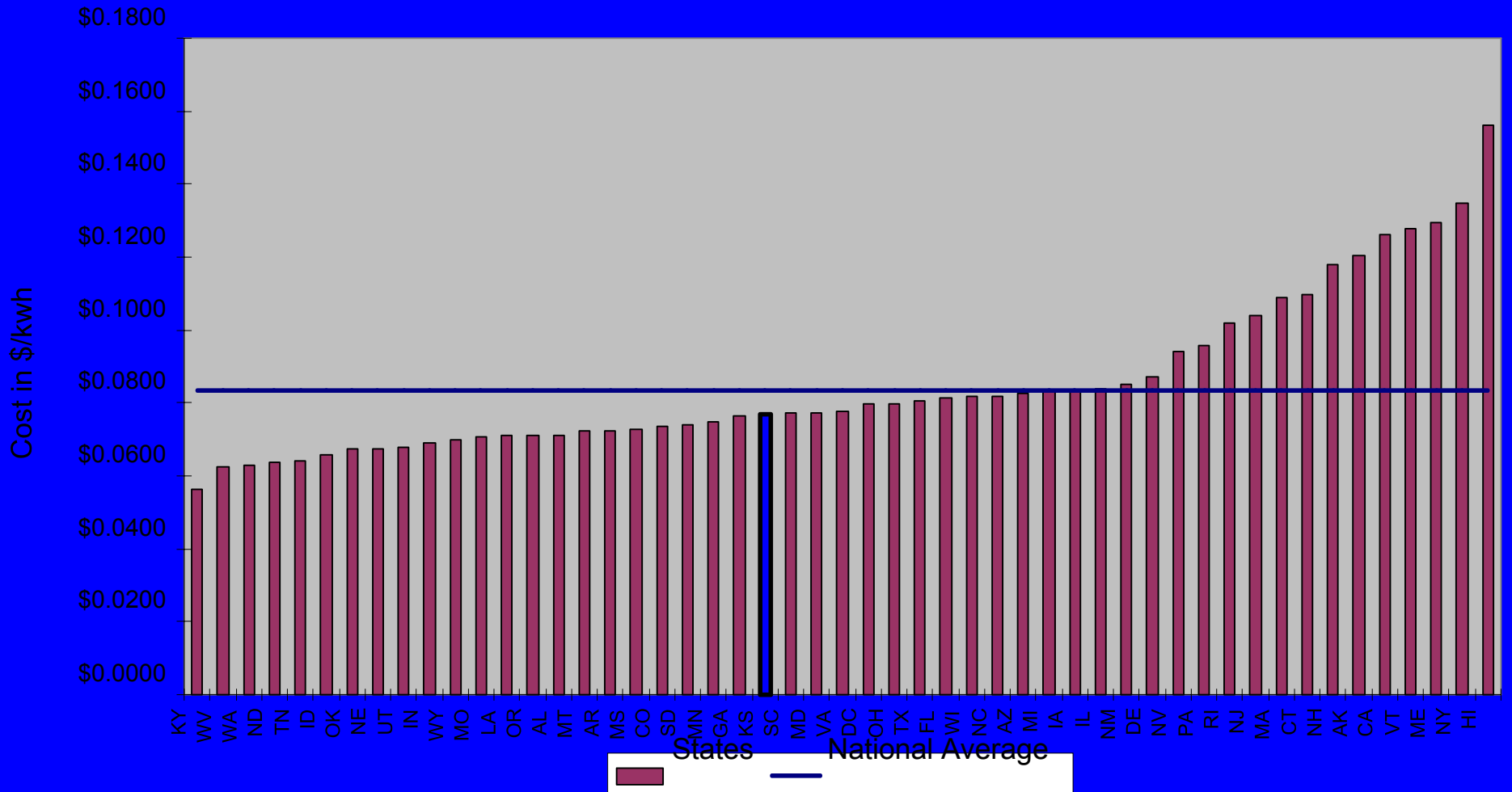
# Electric Prices in Kansas

## U.S. Residential Average Revenue per kWh is 8.46 Cents

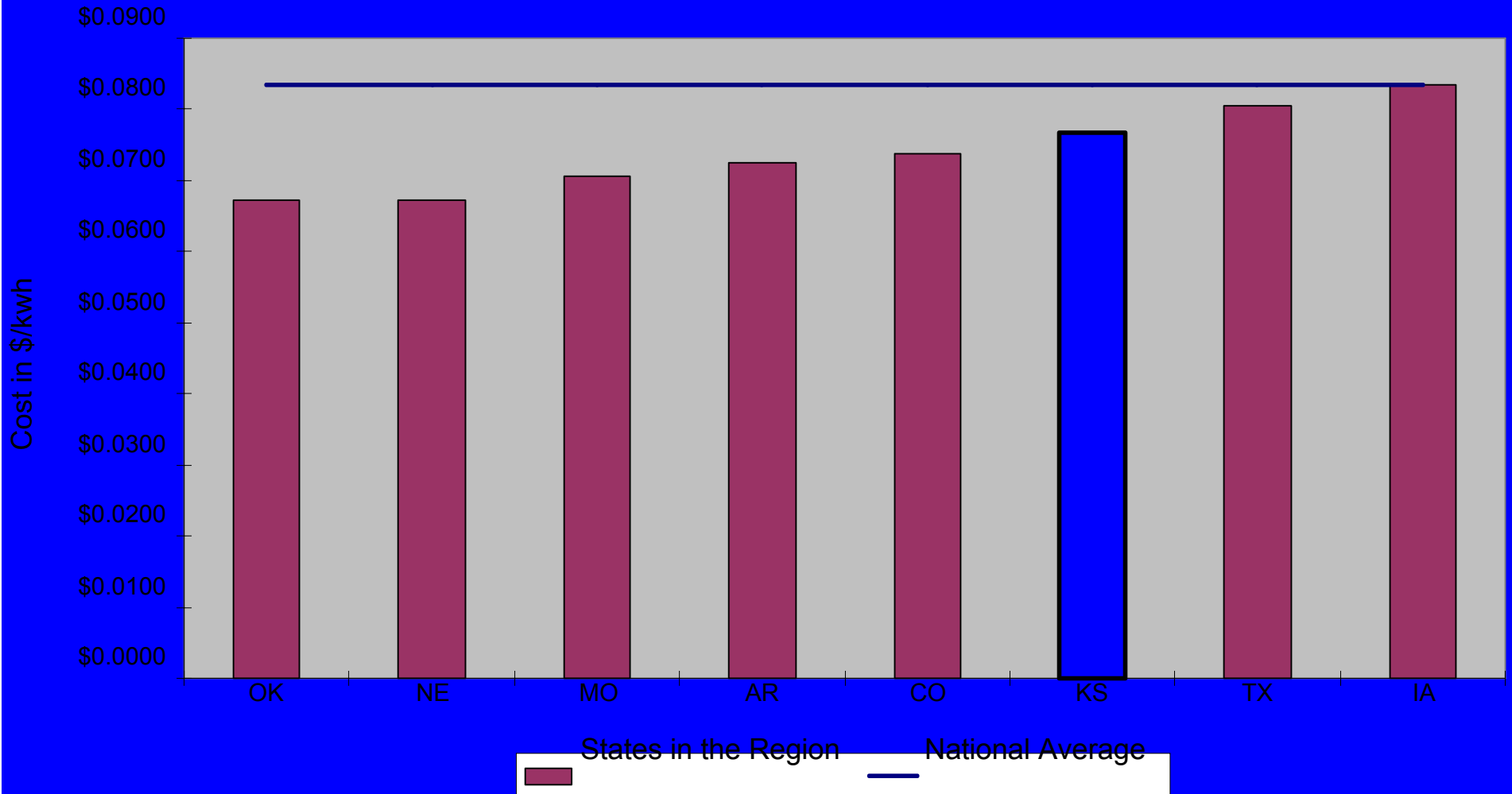


Source: Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

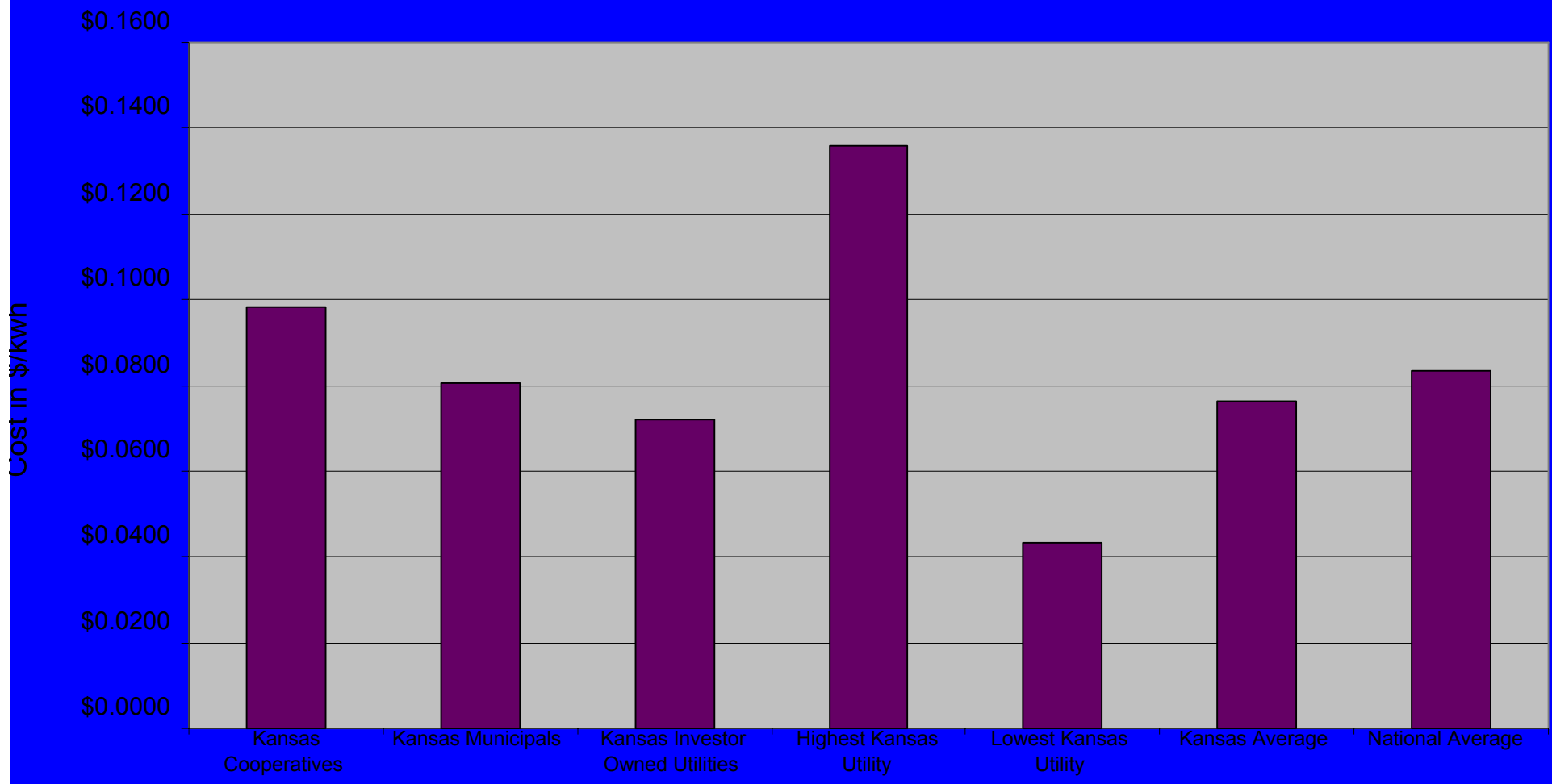
# 2002 Retail Electric Costs for Residential Customers



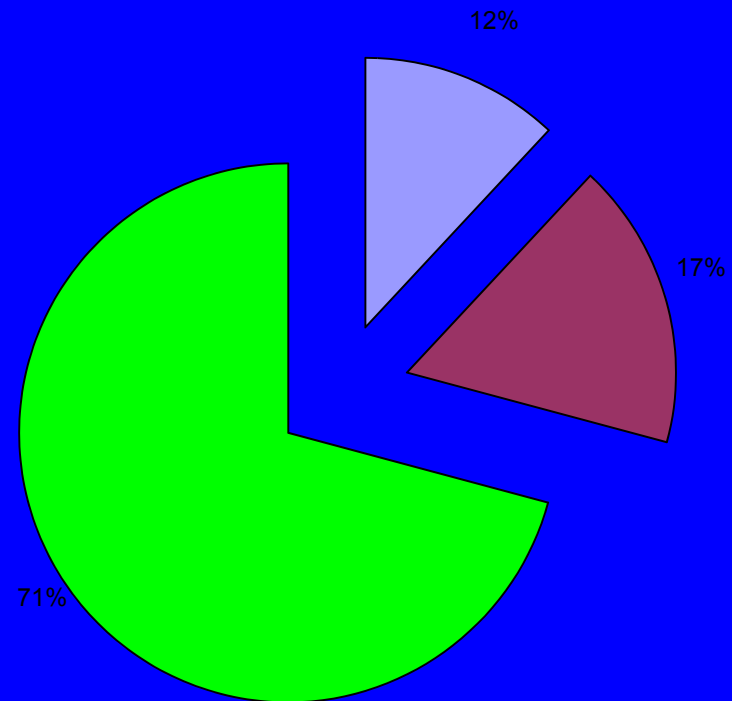
## 2002 Retail Electric Residential Cost Comparison for the Region



## 2002 Kansas Retail Electric Costs for Residential Customers

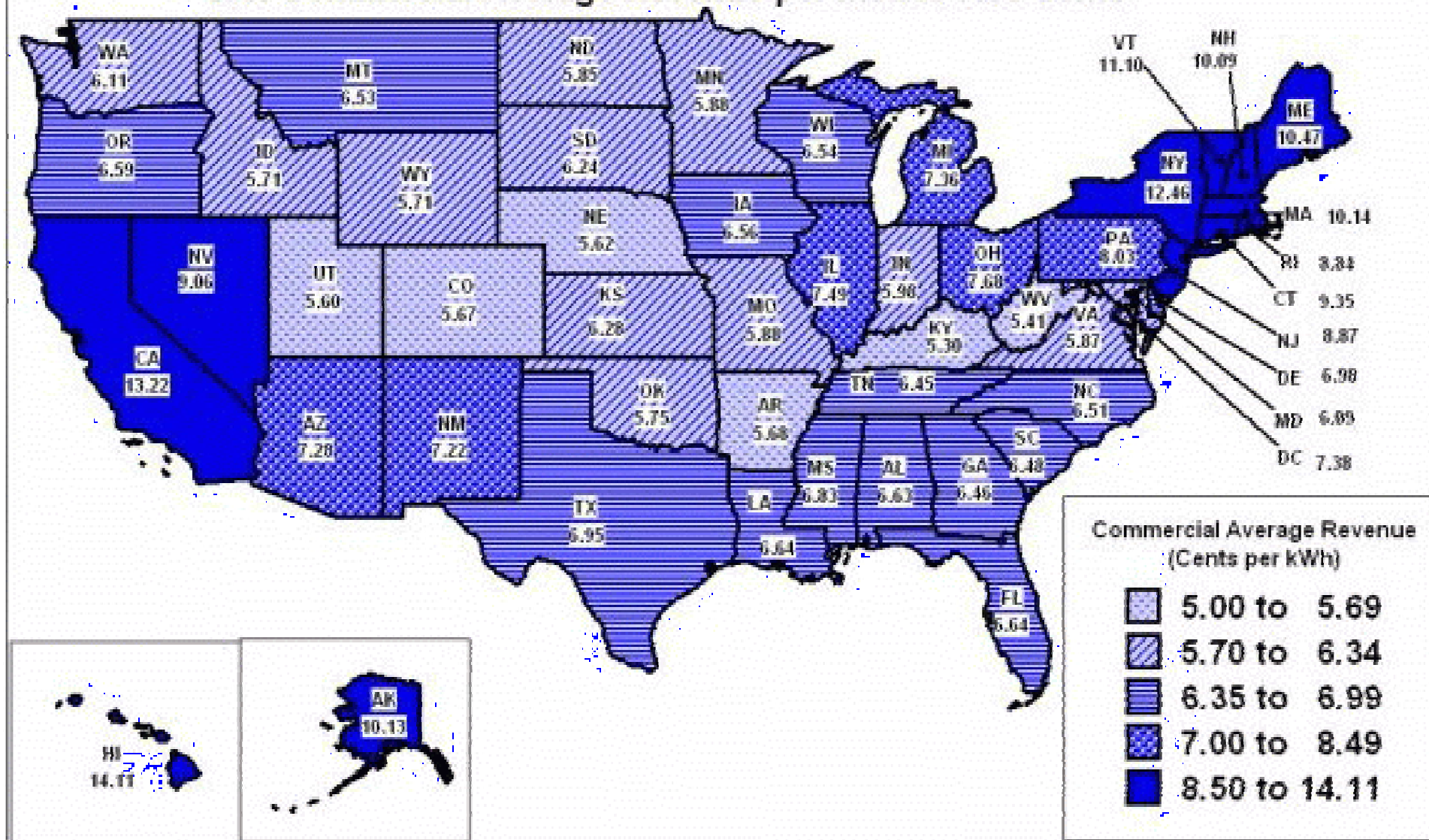


## Types of Electric Utilities Serving Kansas Residential Customers



■ Kansas Cooperatives   ■ Kansas Municipals   ■ Kansas Investor Owned Utilities

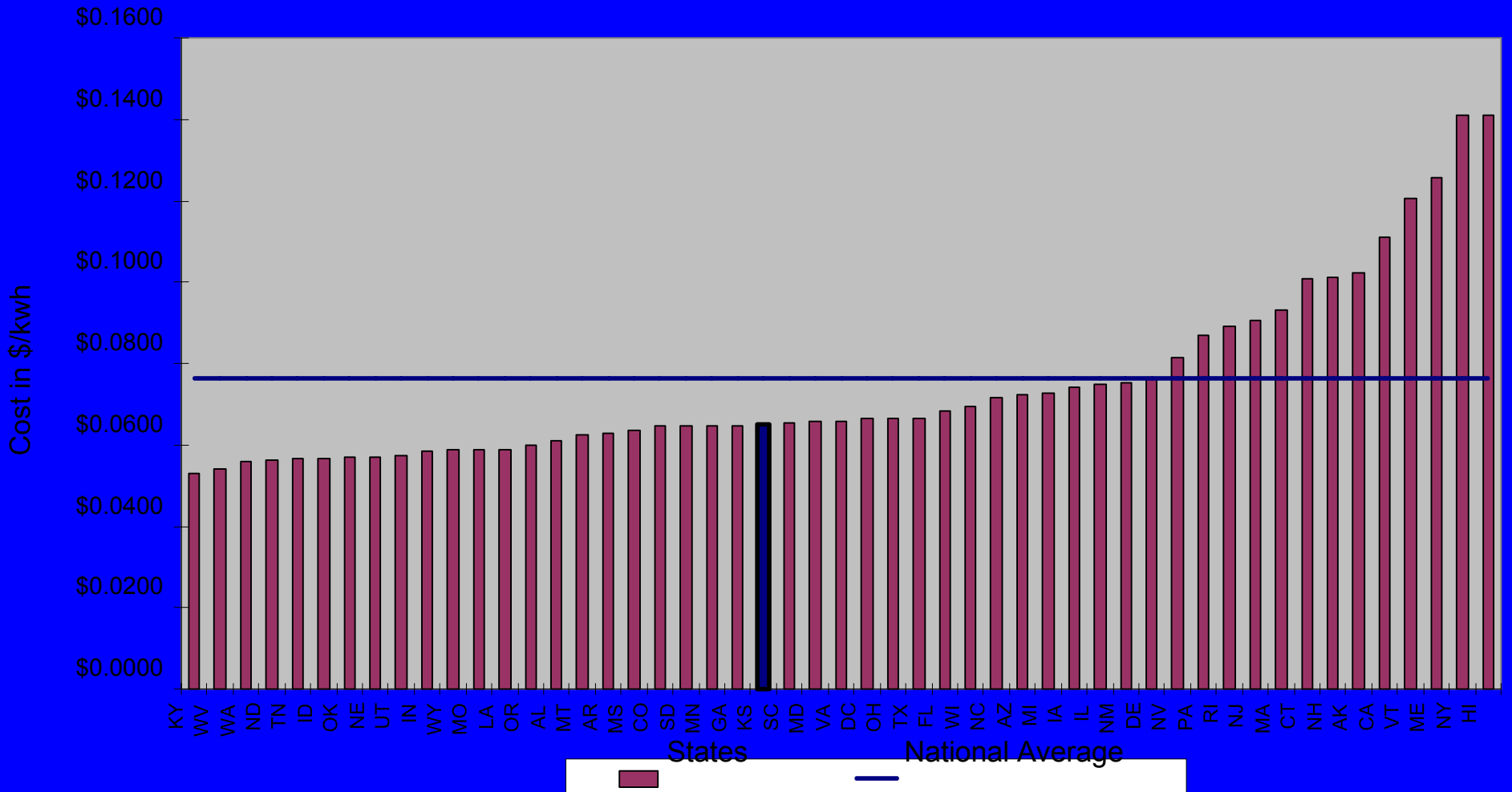
## U.S. Commercial Average Revenue per kWh is 7.86 Cents



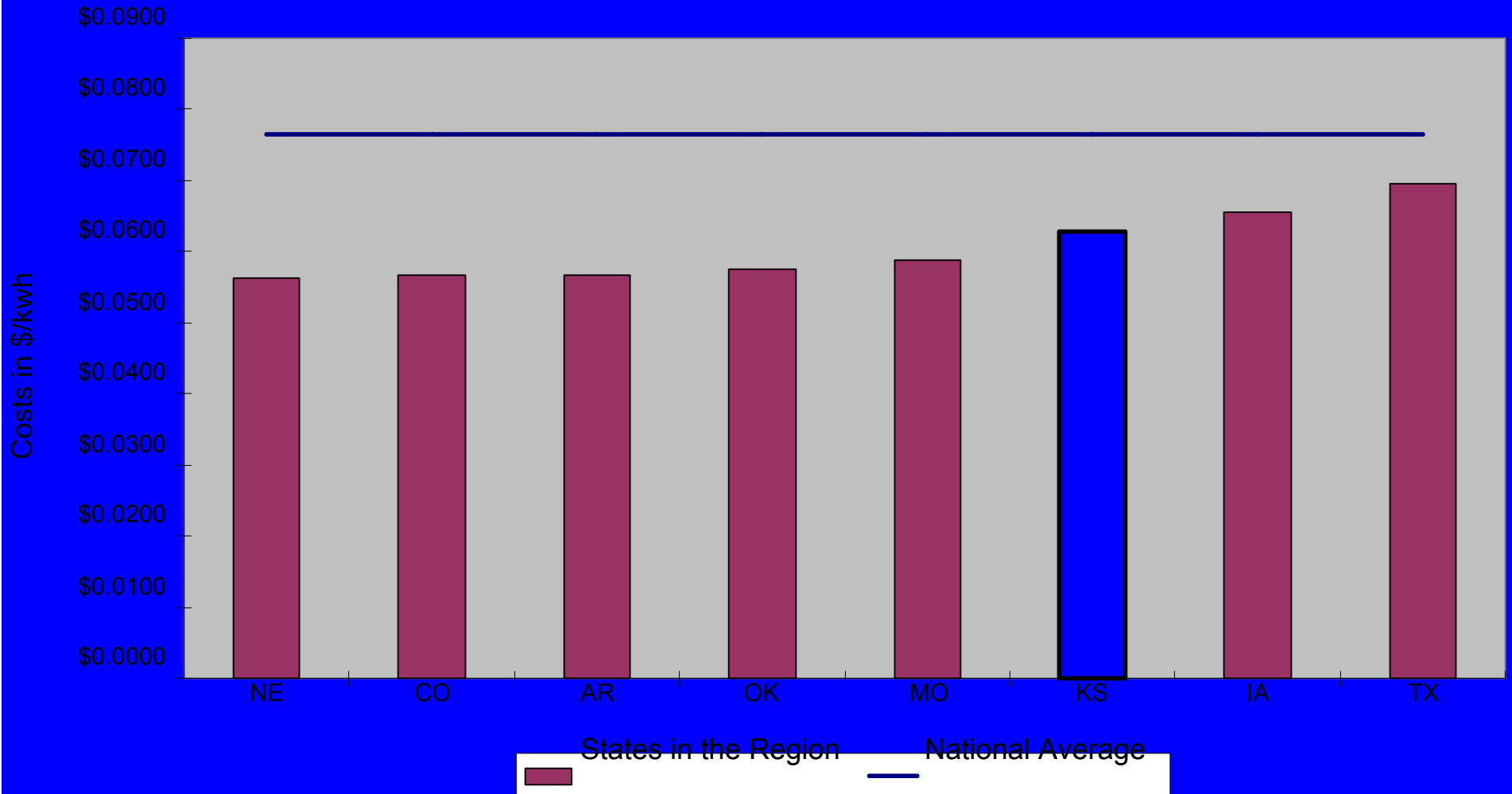
Source: Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."



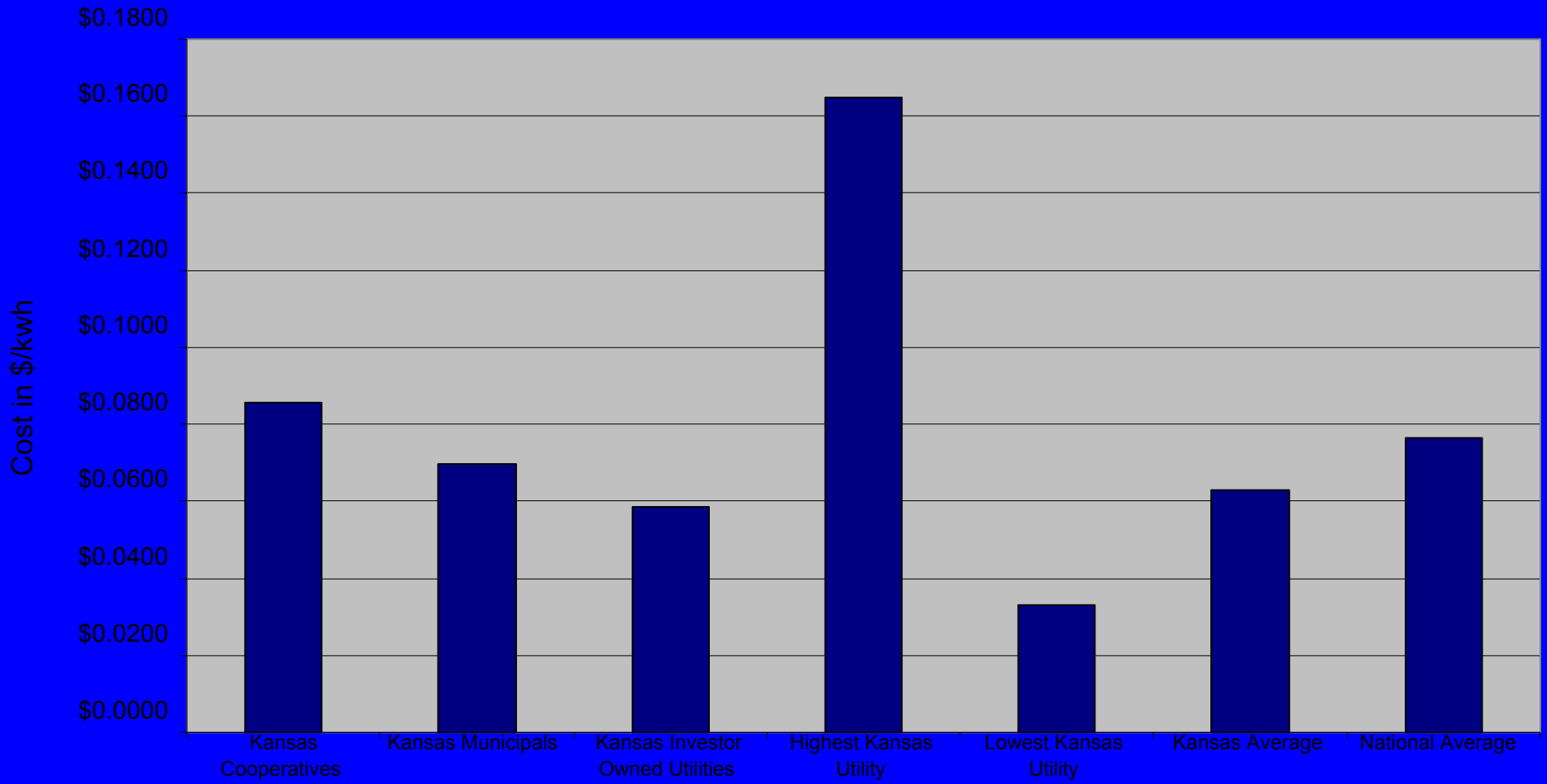
# 2002 Retail Electric Costs for Commercial Customers



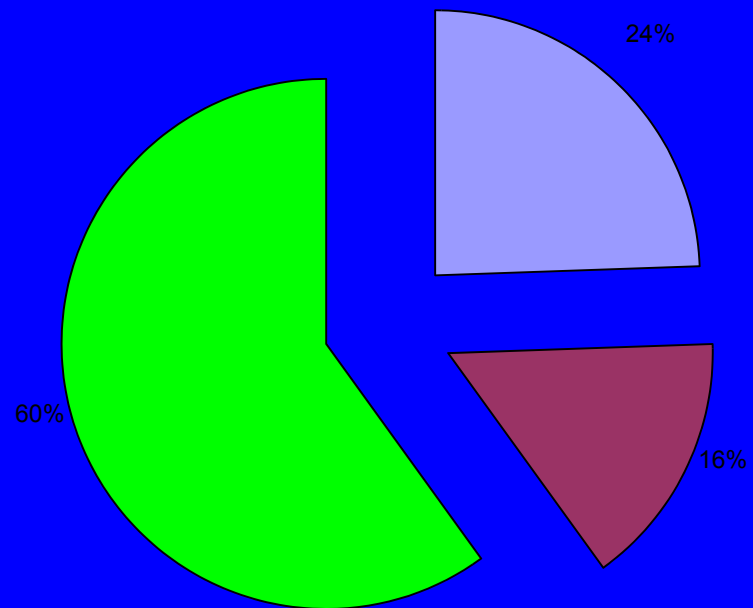
## 2002 Retail Electric Commercial Cost Comparison for the Region



## 2002 Kansas Retail Electric Costs for Commercial Customers

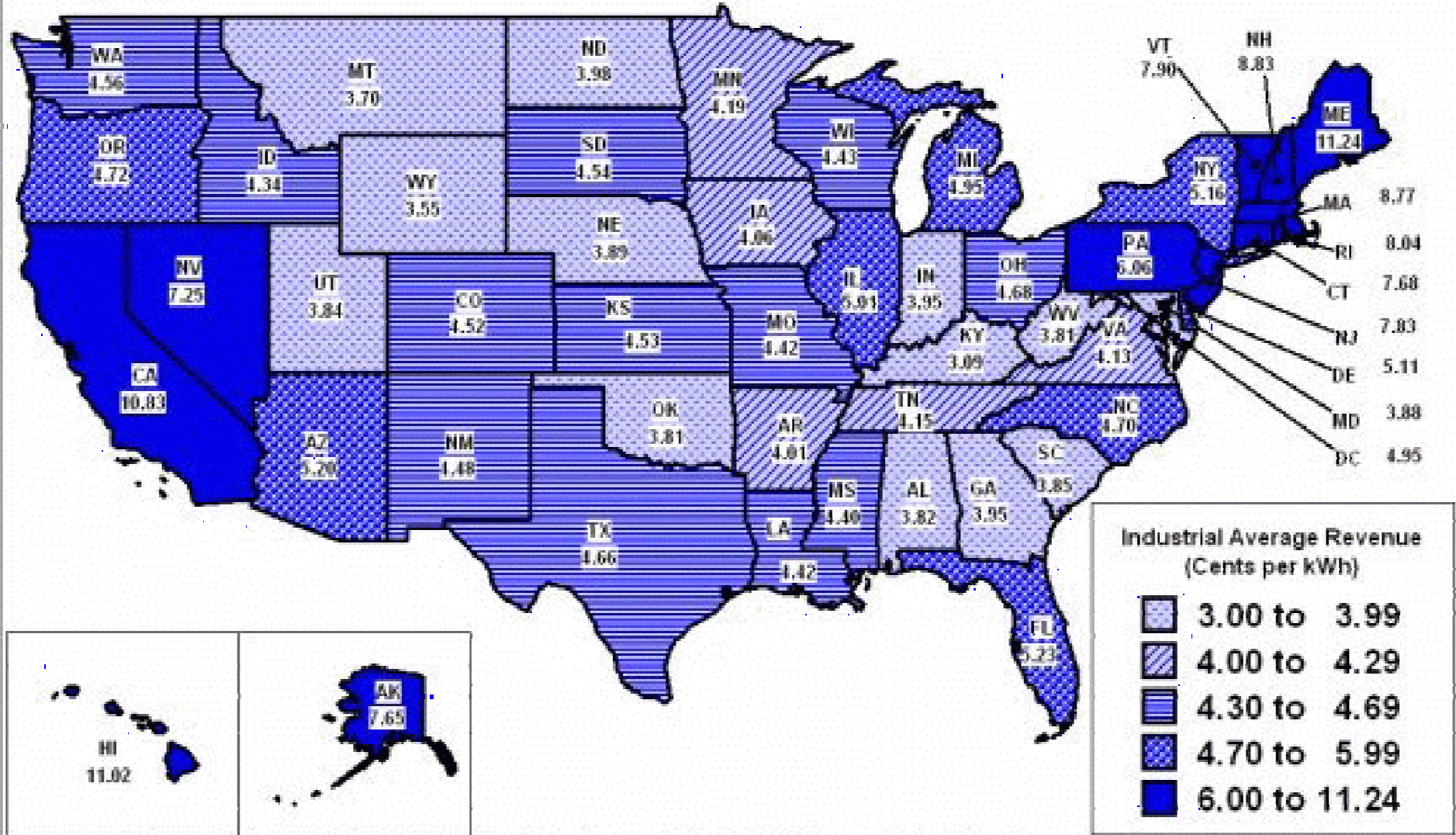


## Types of Electric Utilities Serving Kansas Commercial Customers



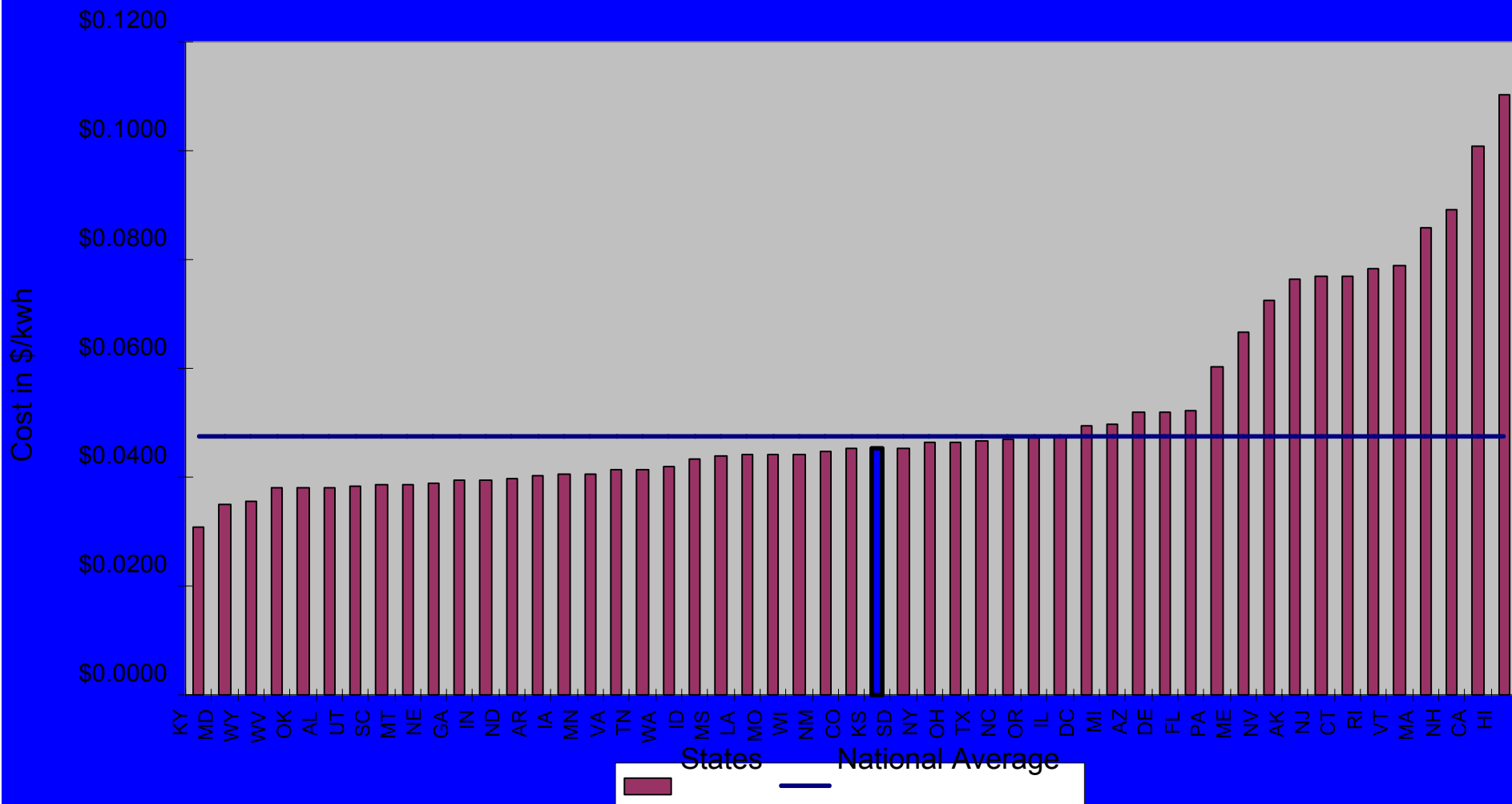
■ Kansas Cooperatives   ■ Kansas Municipals   ■ Kansas Investor Owned Utilities

## U.S. Industrial Average Revenue per kWh is 4.88 Cents

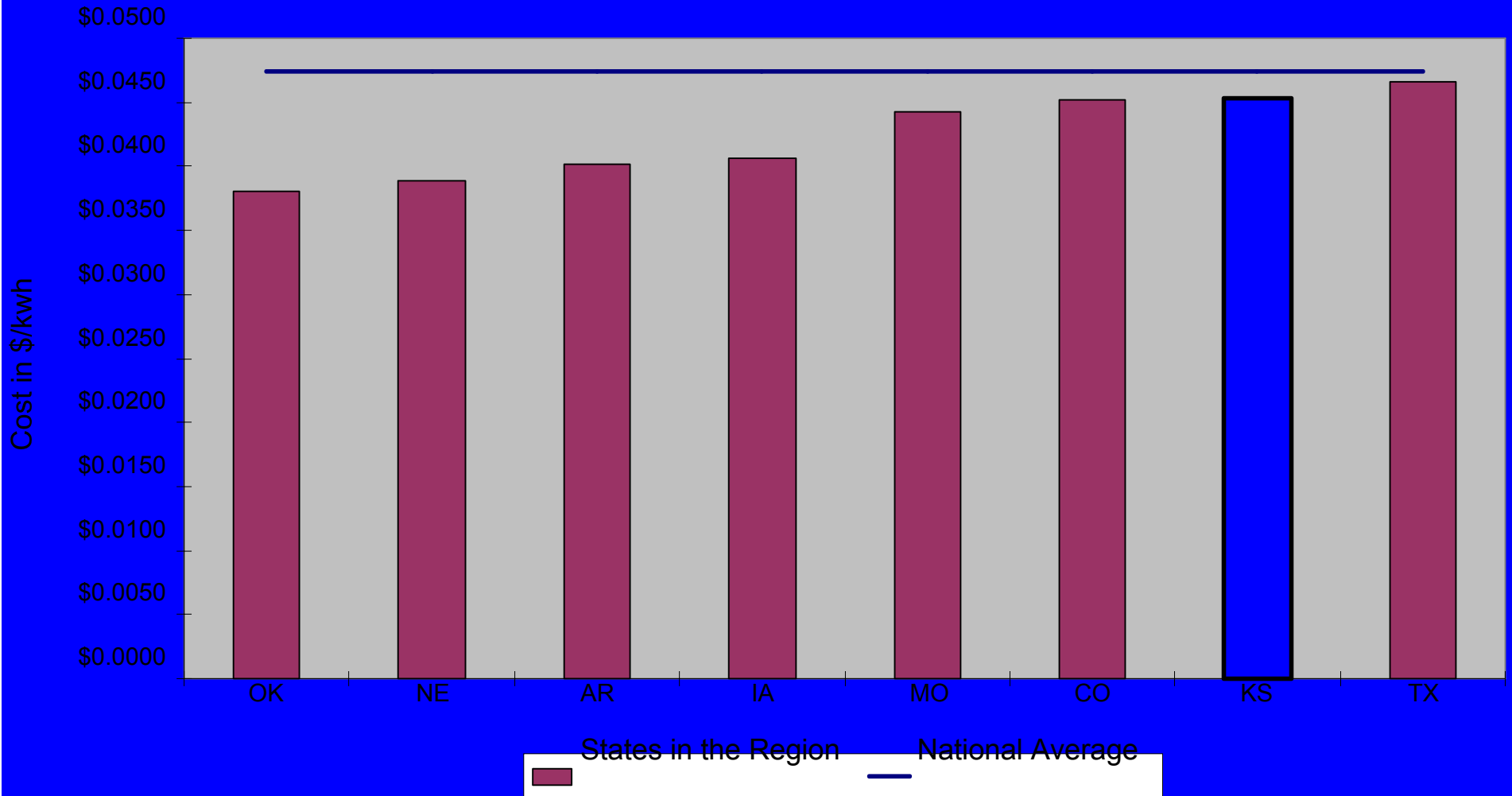


Source: Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

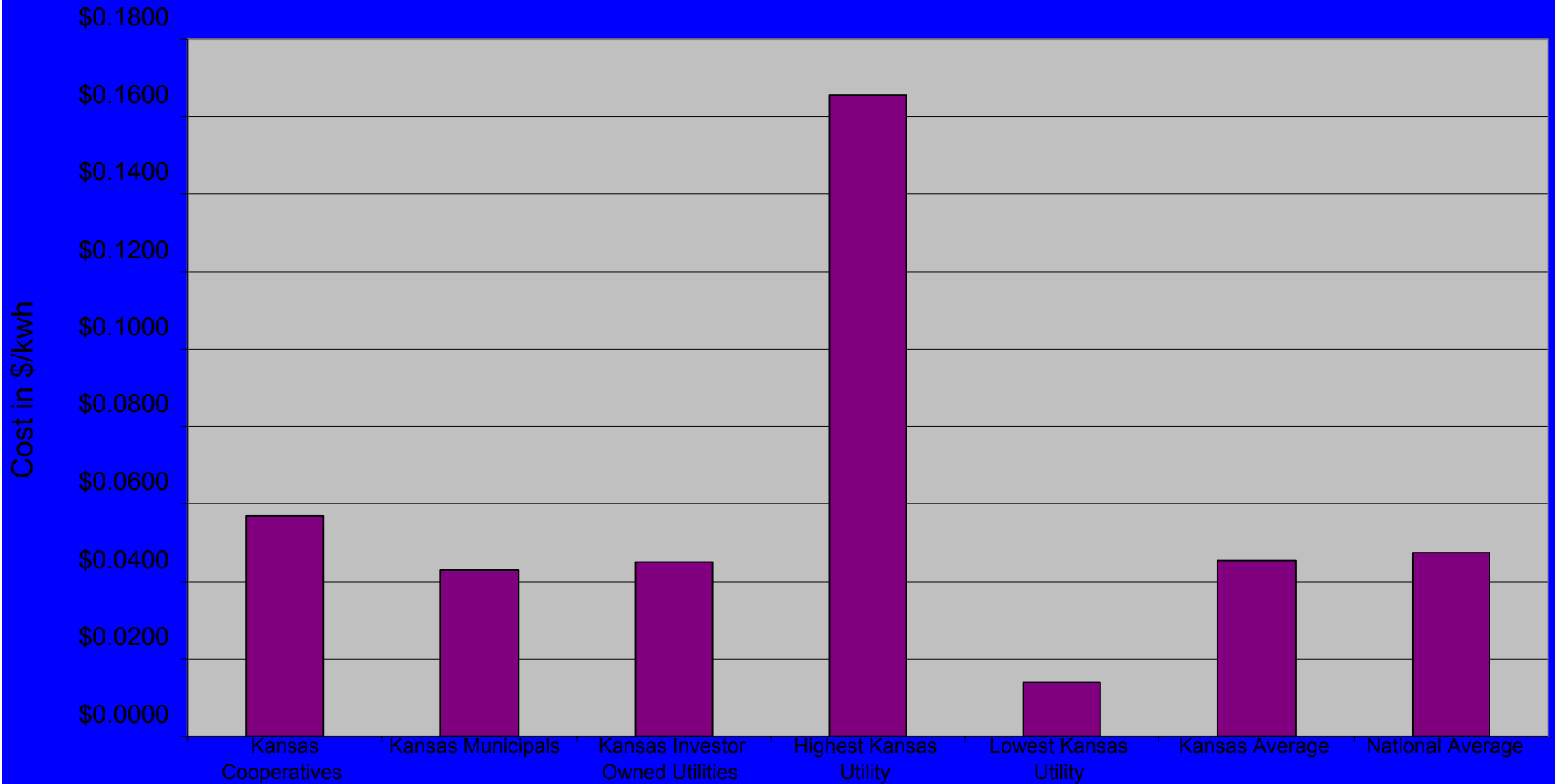
# 2002 Retail Electric Costs for Industrial Customers



## 2002 Retail Electric Industrial Cost Comparison for the Region

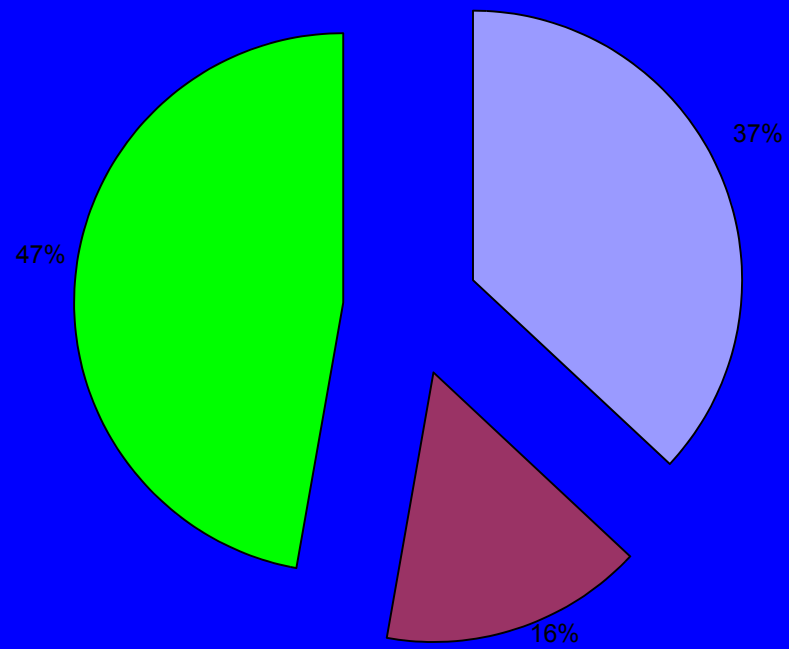


## 2002 Kansas Retail Electric Costs for Industrial Customers

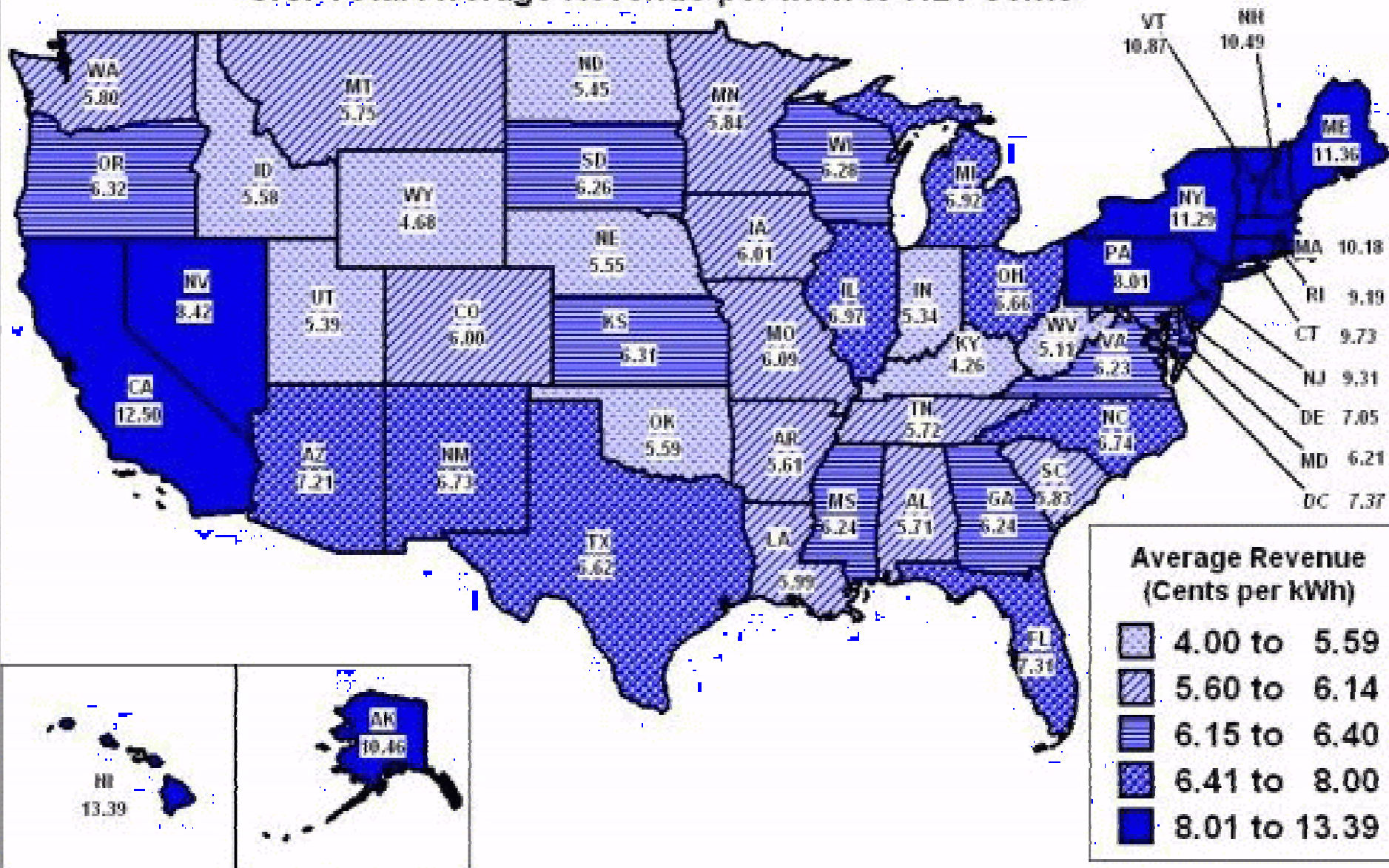




## Types of Electric Utilities Serving Kansas Industrial Customers

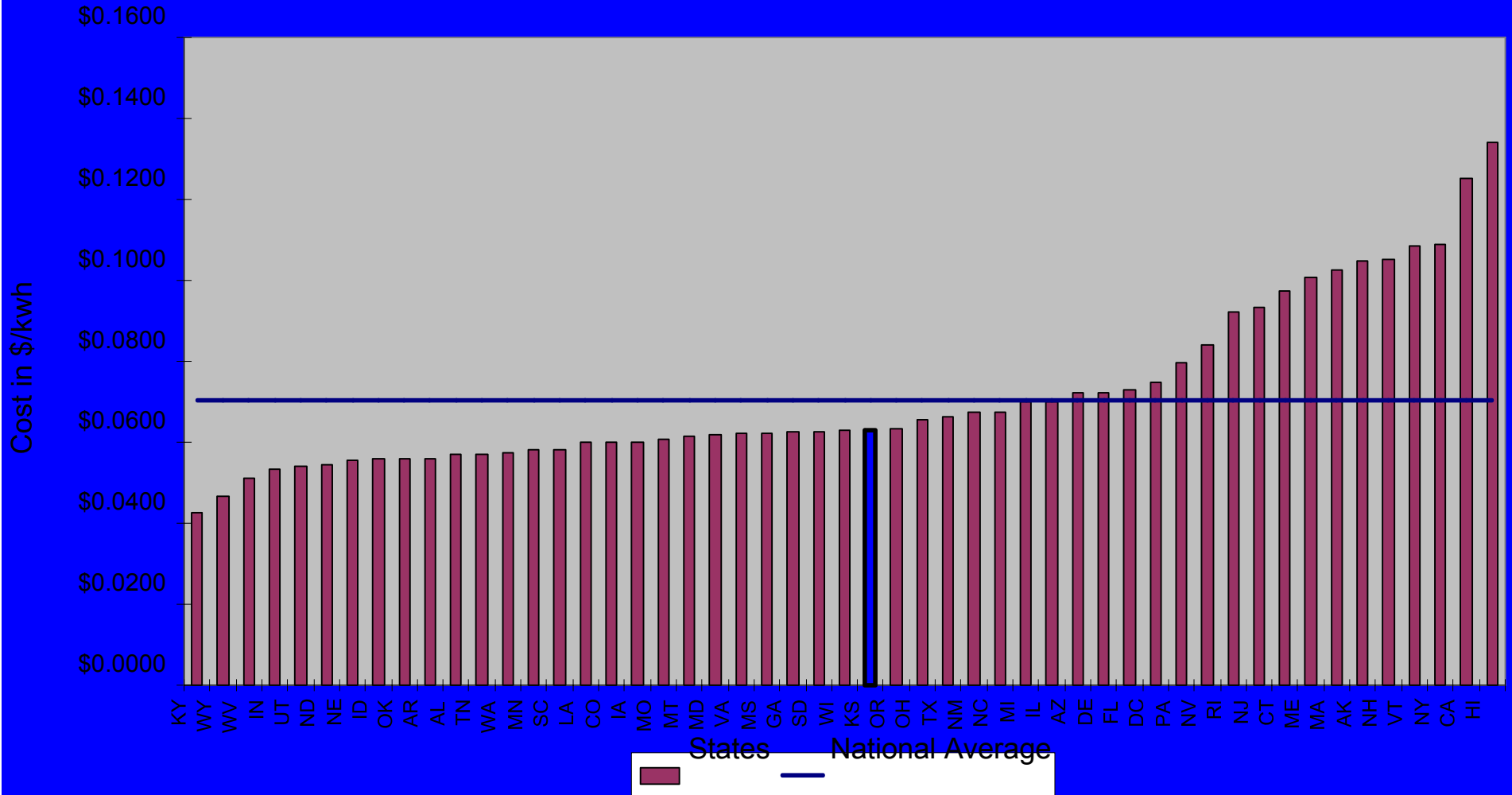


## U.S. Total Average Revenue per kWh is 7.21 Cents

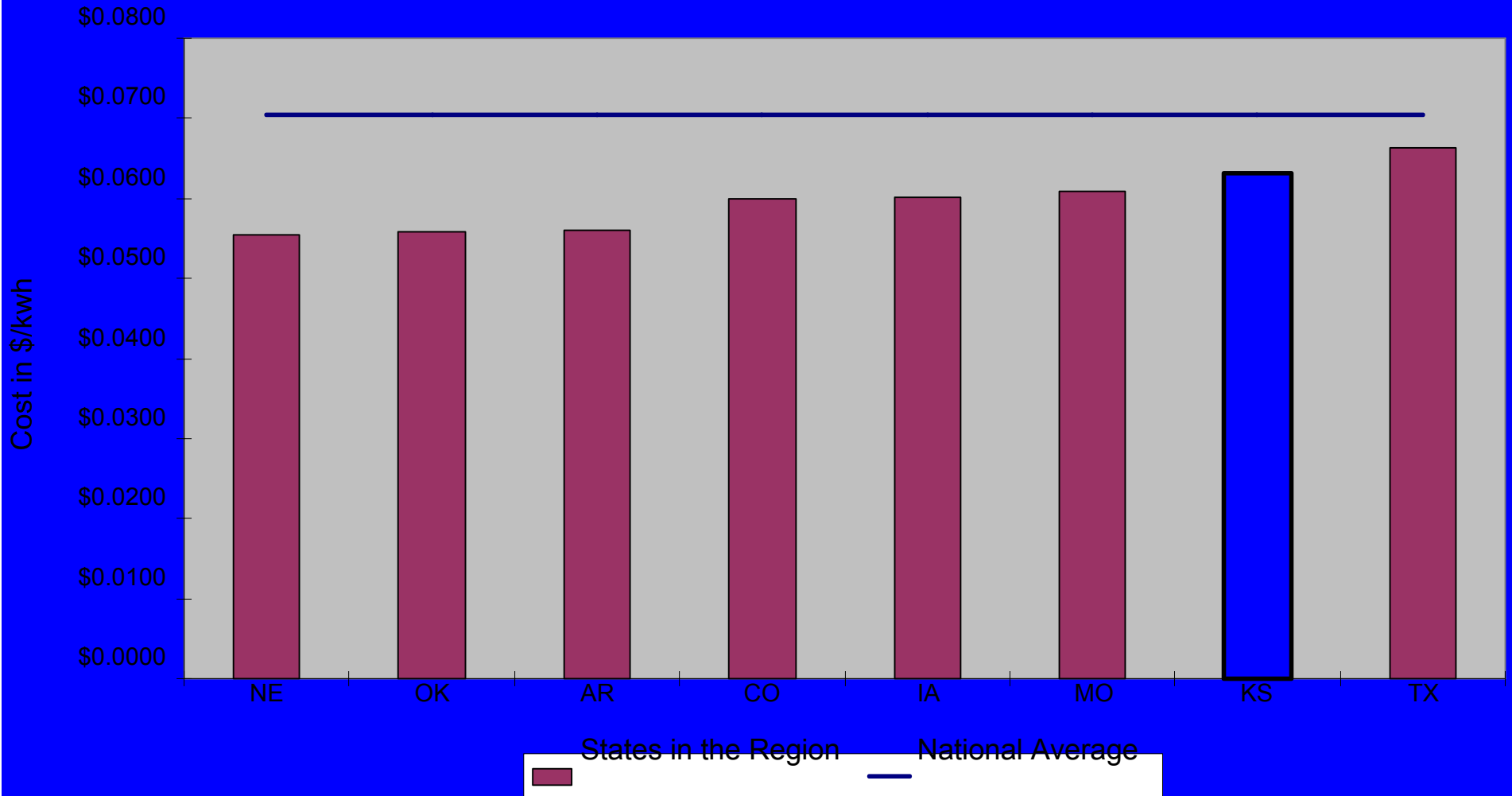


Source: Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

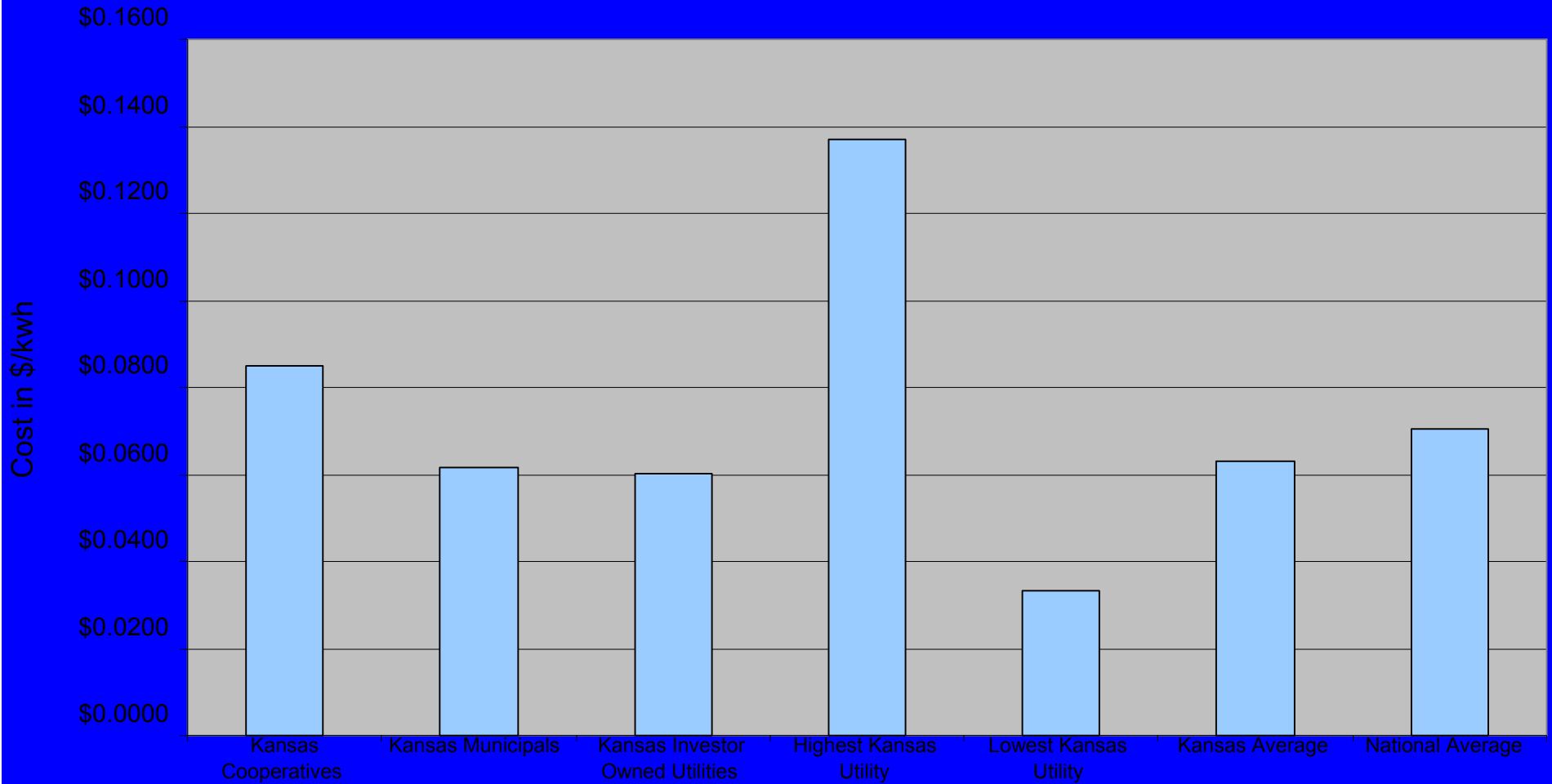
# 2002 Average Retail Electric Costs for All Customers



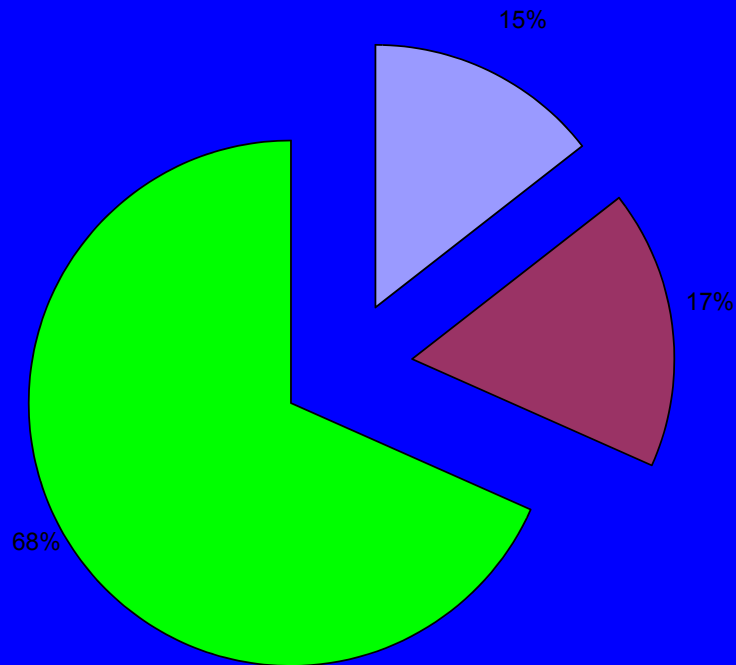
## 2002 Retail Electric Cost Comparison for all Customers in the Region



## 2002 Average Retail Electric Costs for All Customers



## Types of Electric Utilities Serving All Kansas Customers



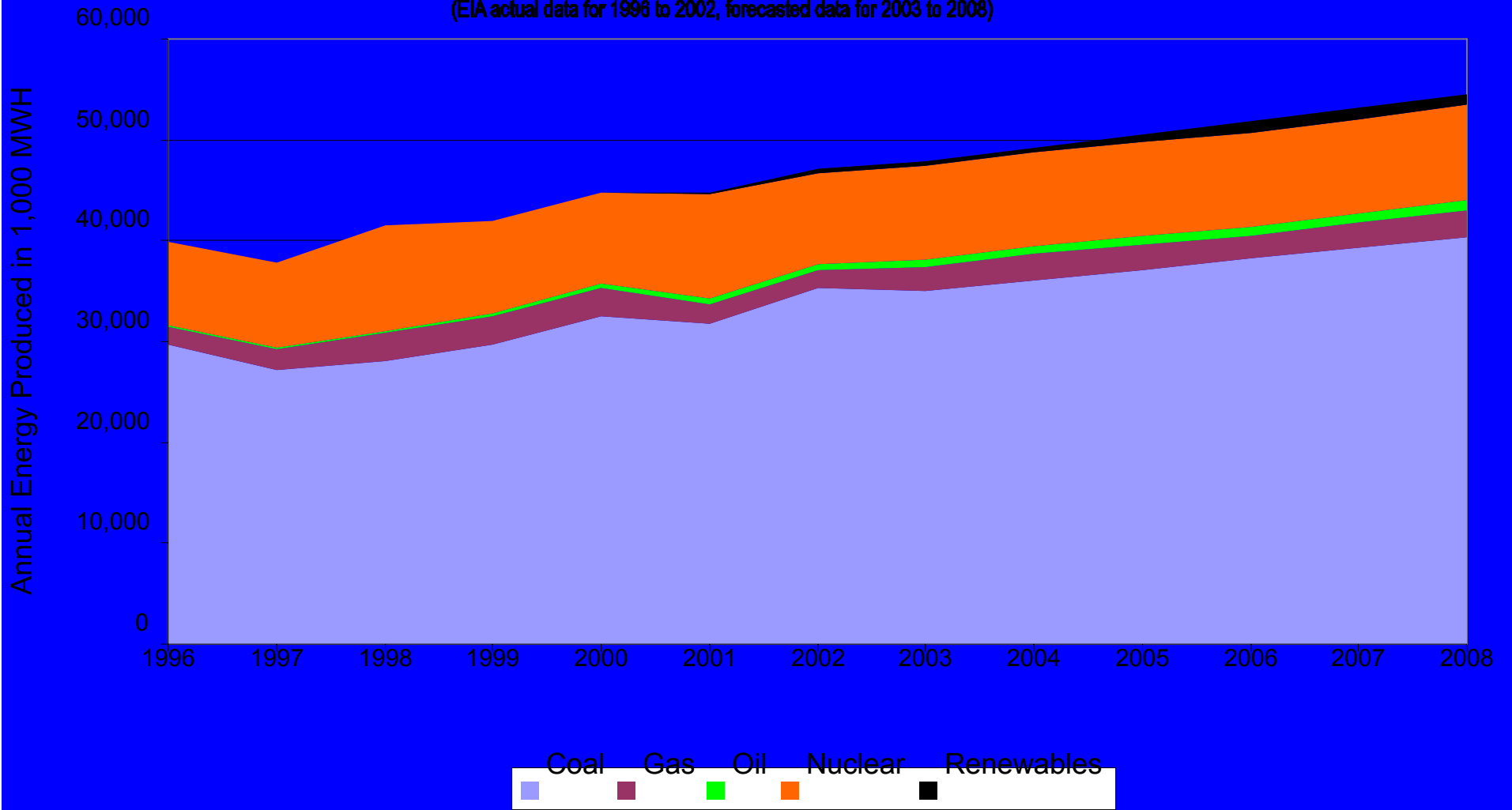
Kansas Cooperatives     Kansas Municipals     Kansas Investor Owned Utilities

# Kansas Electric Generation

- Generation Fuel
  - ▶ Historic and Forecasts
- Capacity Margin
- Generation Capacity – Peak Demand
- Generation Capacity
  - ▶ SPP Requires a Minimum of 12%

# Electric Generation by Fuel Type

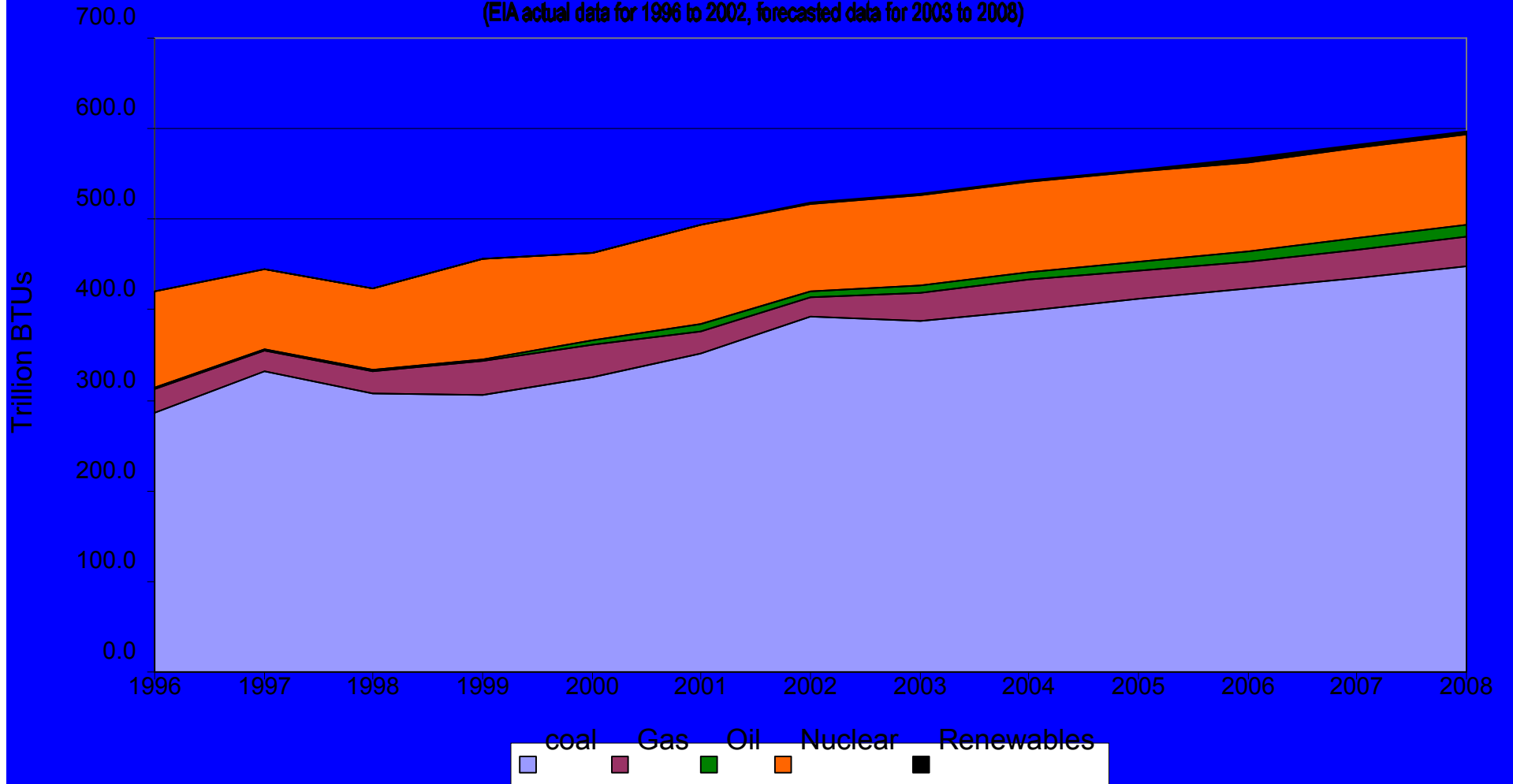
(EIA actual data for 1996 to 2002, forecasted data for 2003 to 2008)





# Energy Used for Electric Generation in Kansas

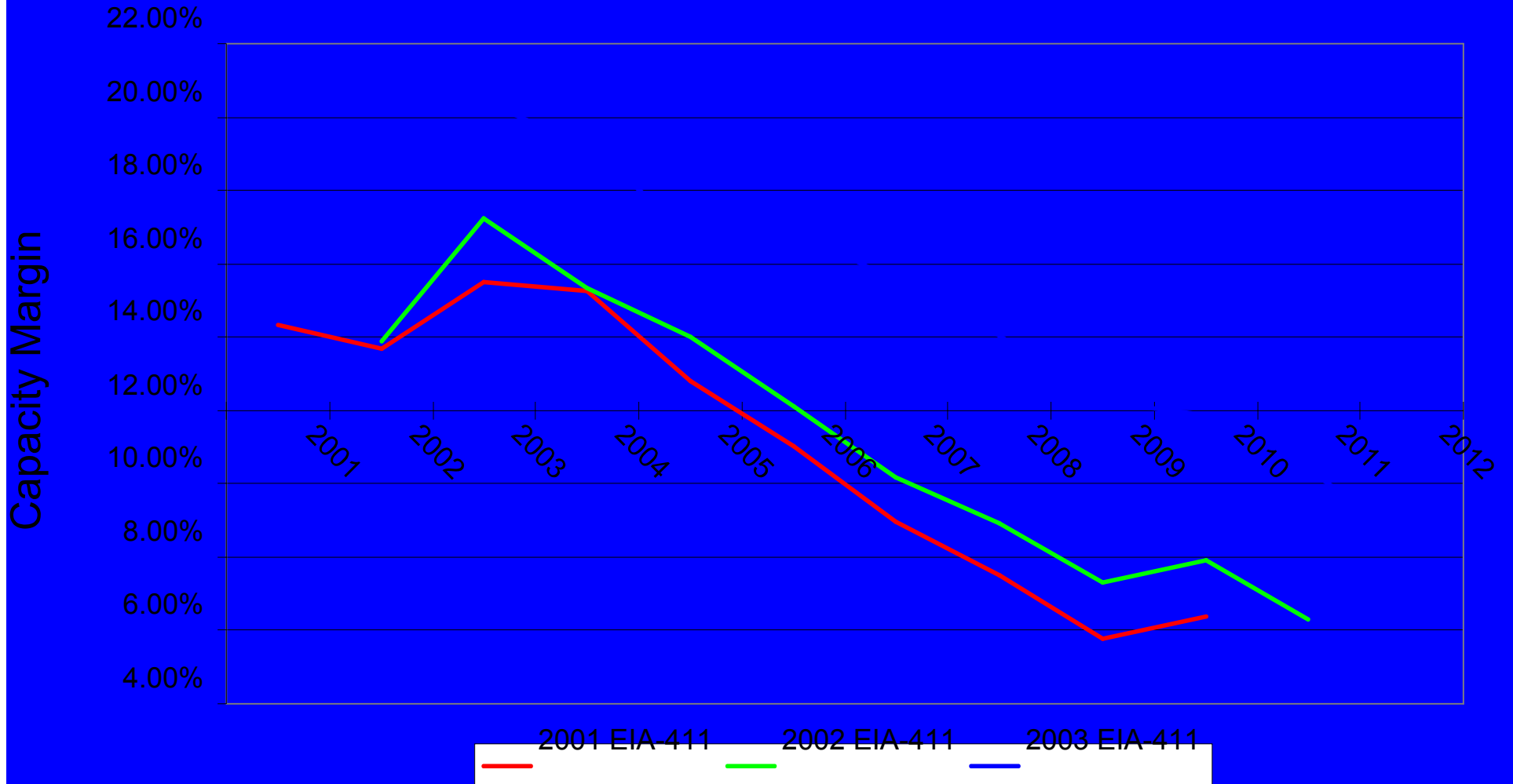
(EIA actual data for 1996 to 2002, forecasted data for 2003 to 2008)



Kansas Capacity Margin Forecast from 2003 SPP EIA-411



# Comparison of Kansas Capacity Forecasts



Capacity Margin for Kansas Utilities (per 2003 SPP EIA-411)

