

# Kentucky Energy Statistics

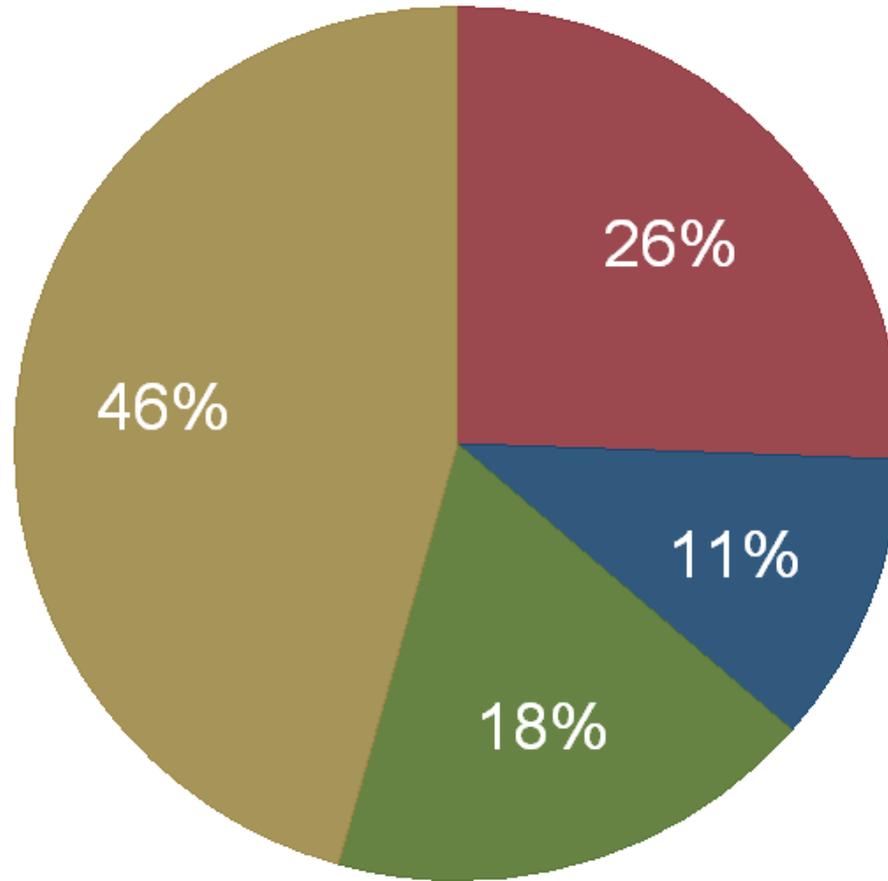
National Association for State Energy Officials – NASEO

03/19/2012



# Kentucky Total Energy Expenditures, 2009

Energy Expenditures by Sector (%)



Industrial



Commercial



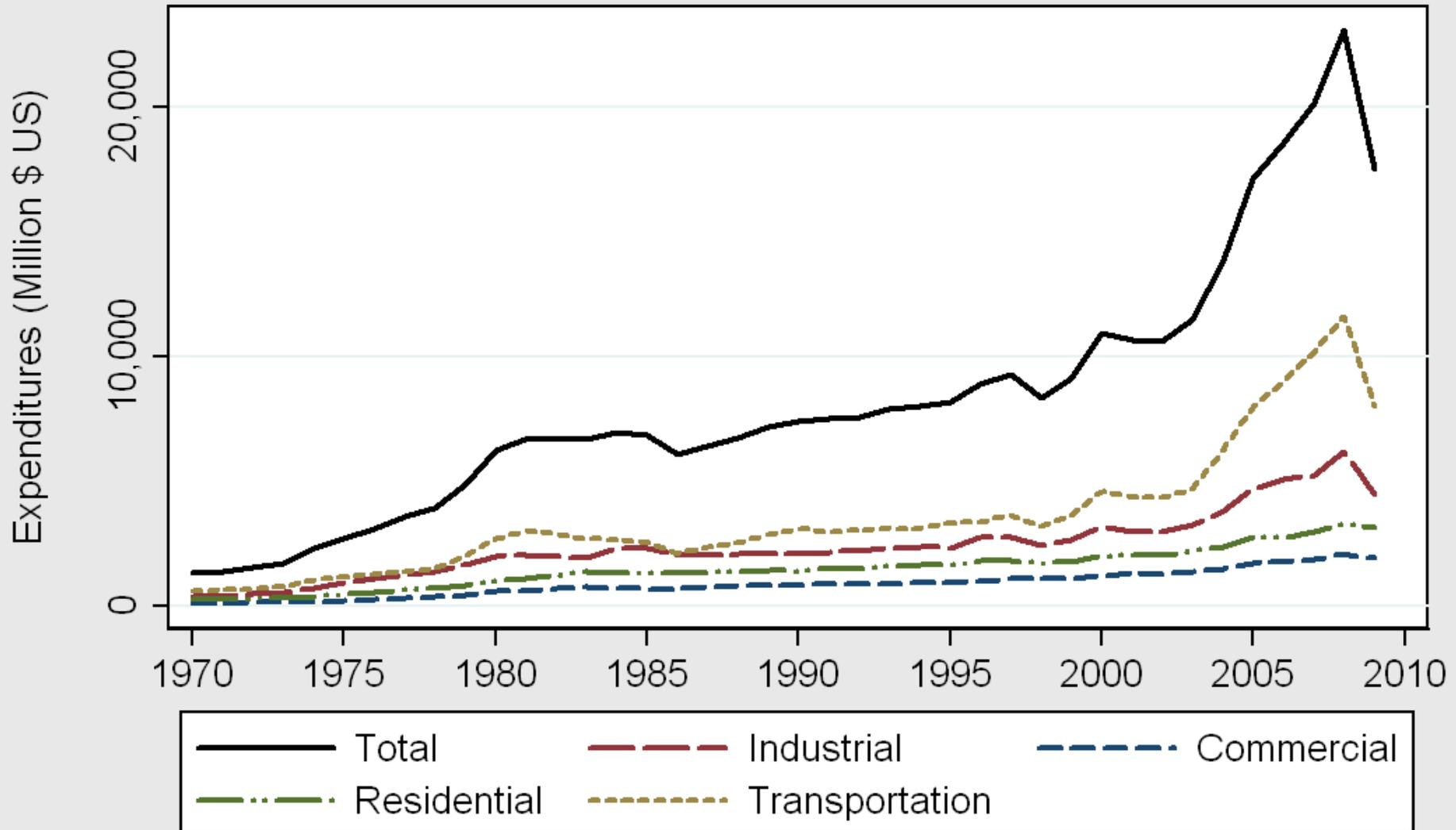
Residential



Transportation

# Kentucky Total Energy Expenditures, 1970-2009

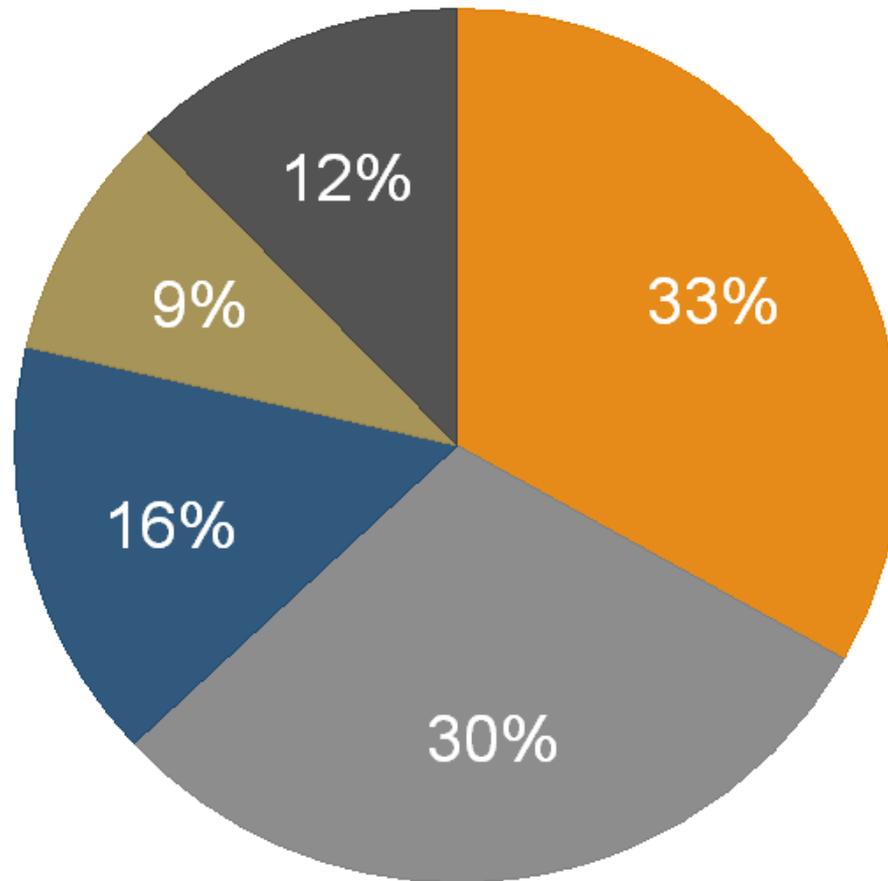
Annual Expenditures by Sector (Million \$ US)



DEDI Energy Database, 2012 (EIA)

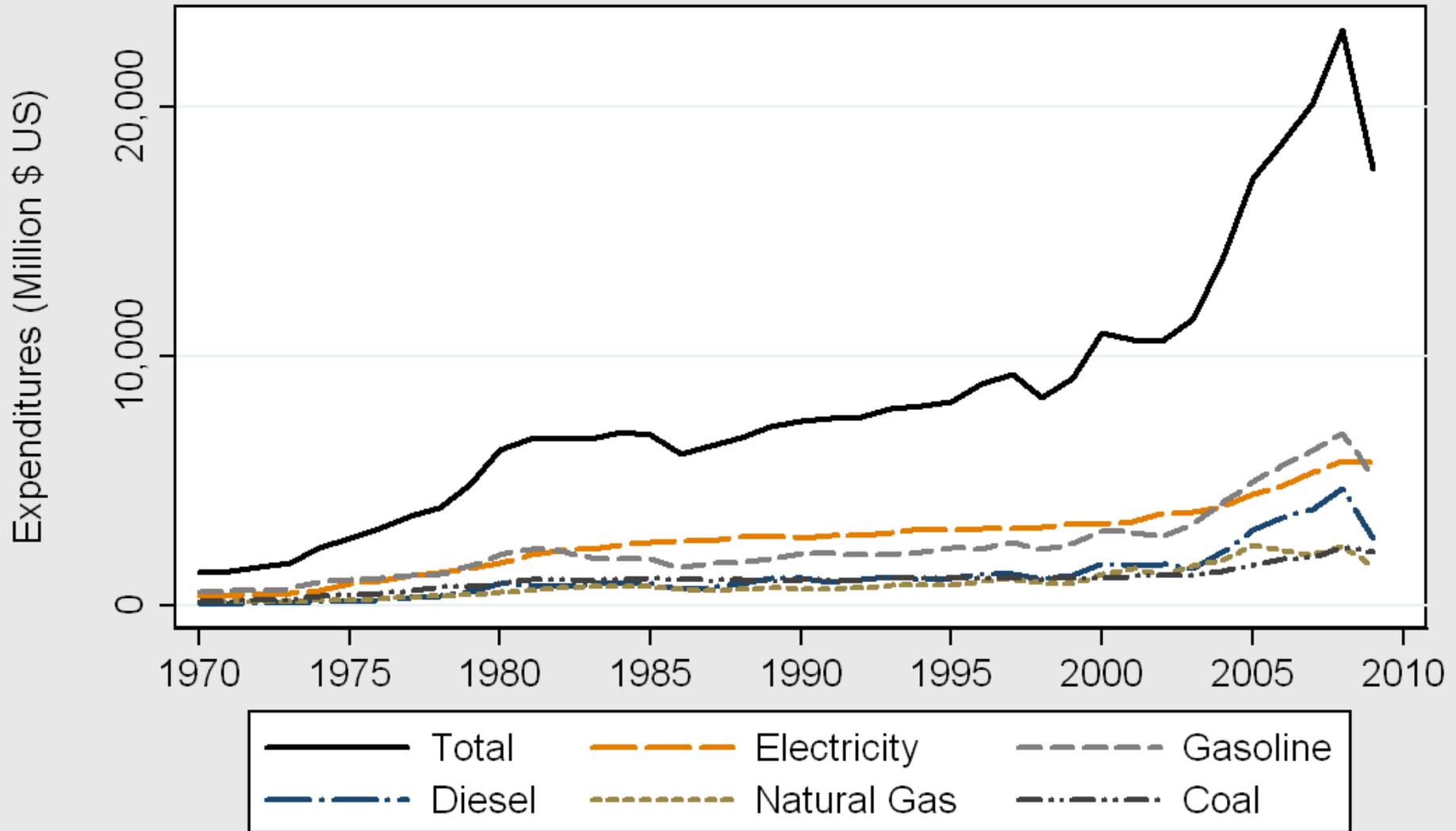
# Kentucky Total Energy Expenditures, 2009

Energy Expenditures by Fuel Type (%)



# Kentucky Total Energy Expenditures, 1970-2009

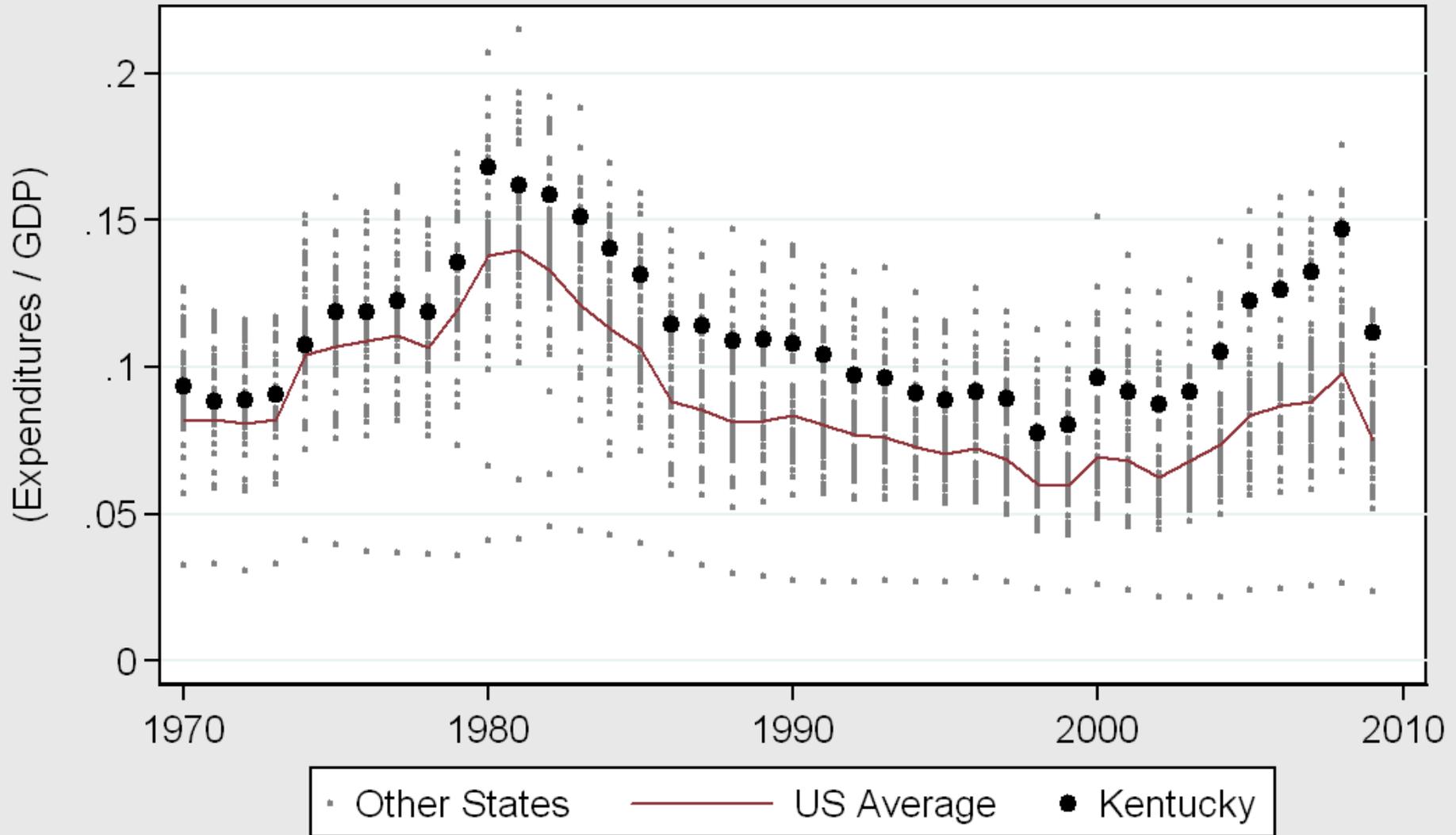
## Annual Expenditures by Fuel Type (Million \$ US)



DEDI Energy Database, 2012 (EIA)

# Energy Expenditures per State GDP Dollar, 1963-2009

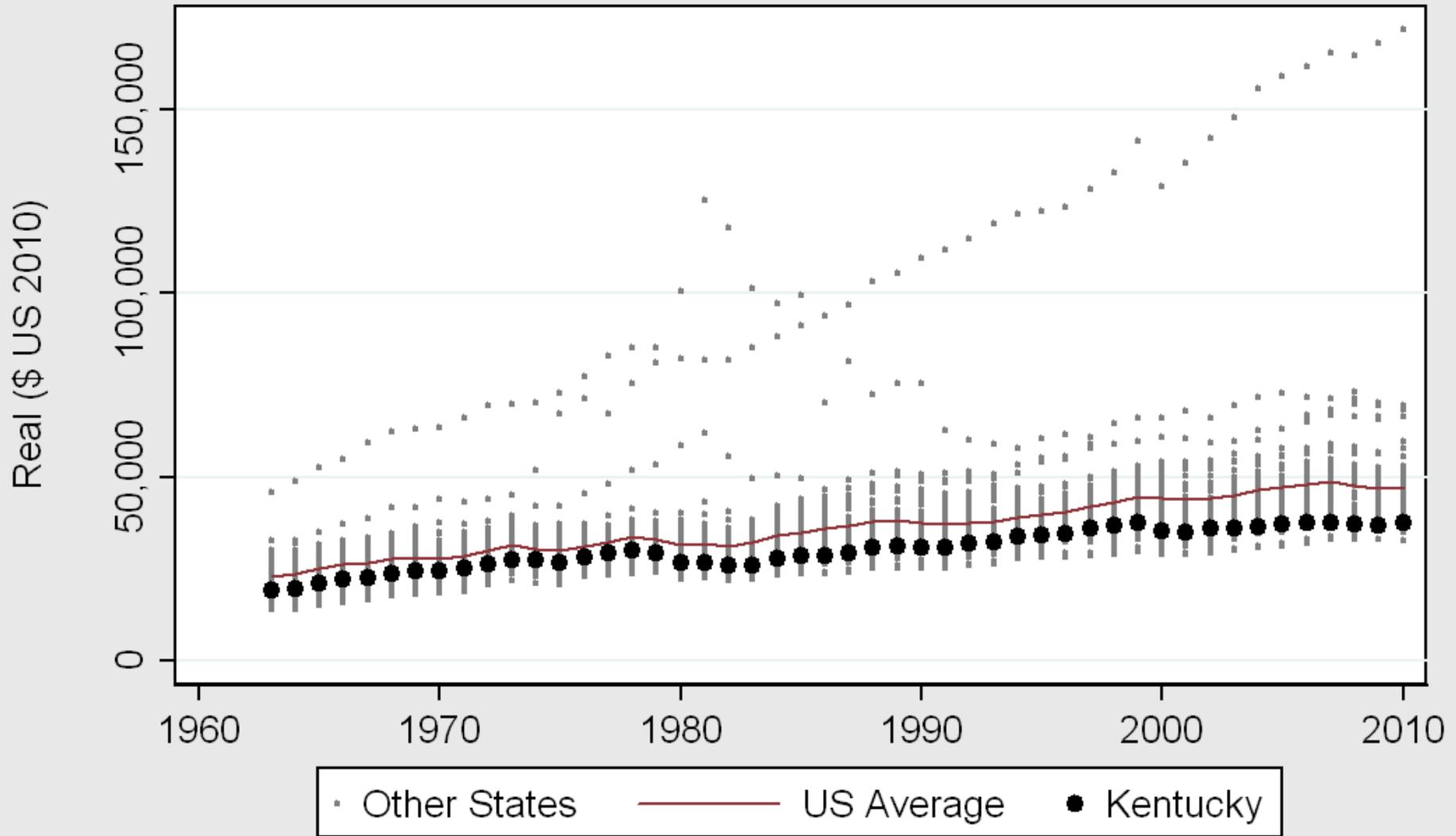
Total Real Expenditures (\$ US 2010) per Real State GDP (\$ US 2010)



DEDI Energy Database, 2012 (EIA & BEA)

# Kentucky Gross Domestic Product Per Capita, 1963-2010

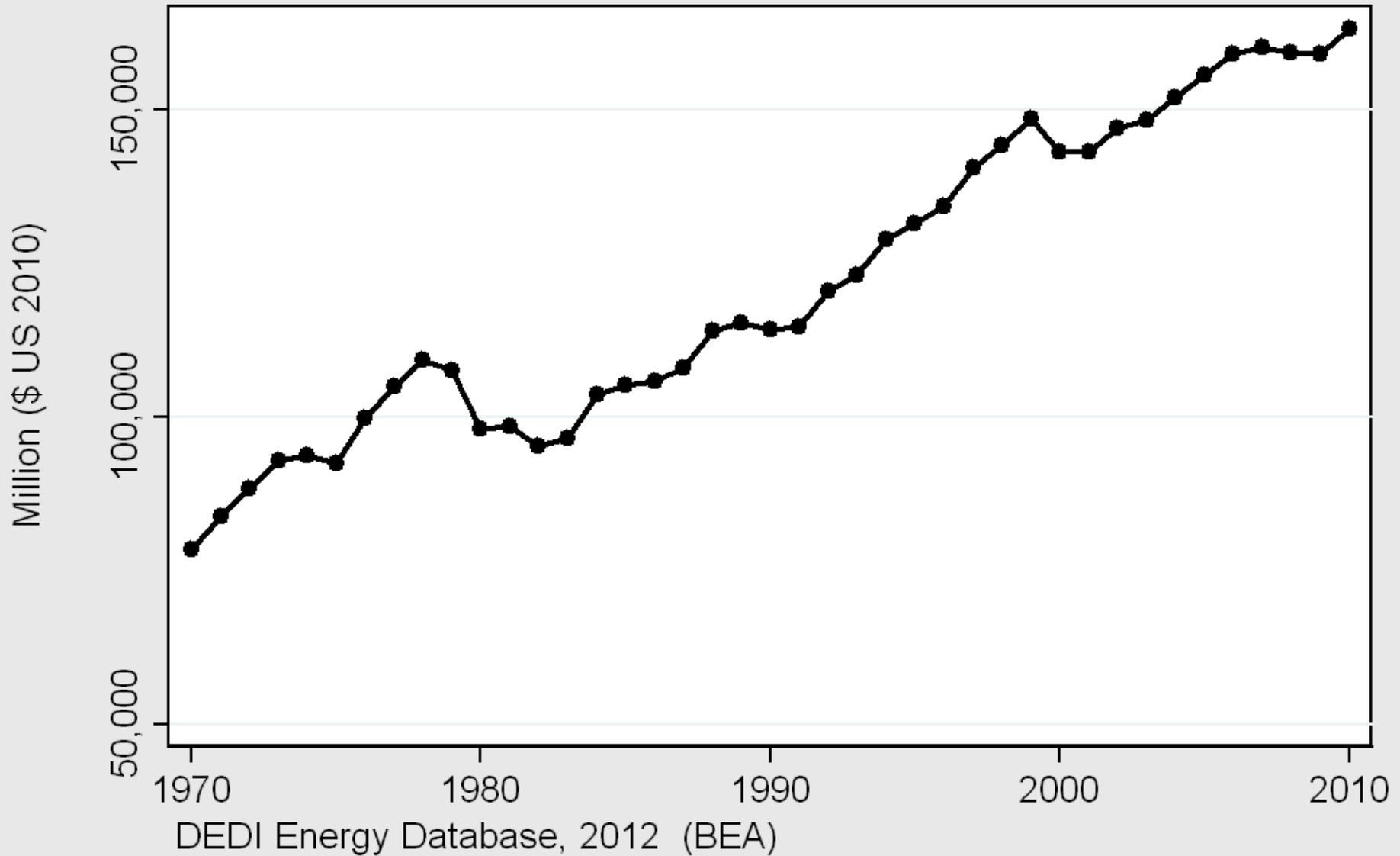
## Real GDP Per Capita (\$ US 2010)



DEDI Energy Database, 2012 (BEA & Census)

# Kentucky Gross Domestic Product, 1970-2010

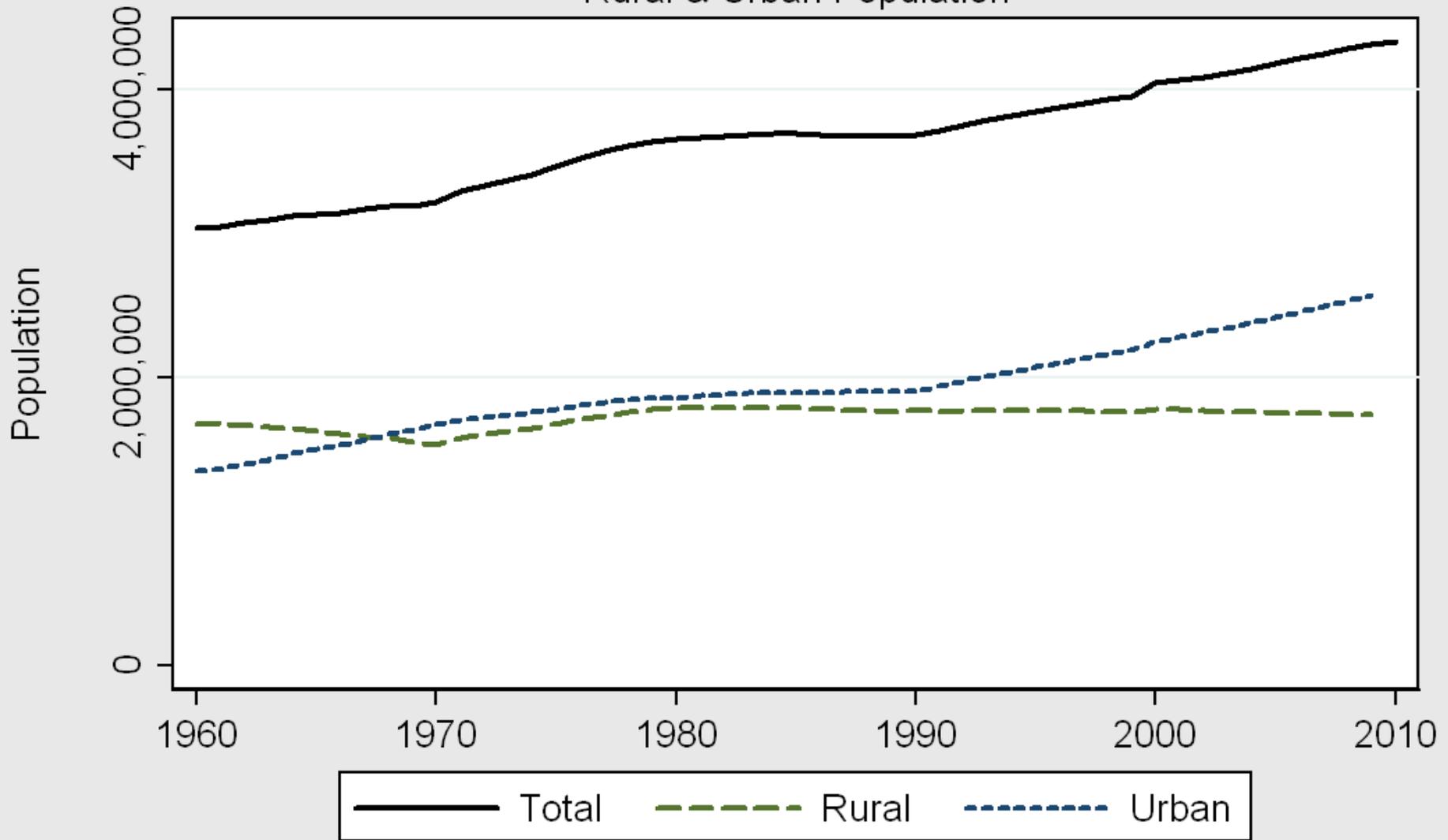
Real GDP (Million \$ US 2010)



DEDI Energy Database, 2012 (BEA)

# Kentucky Population, 1960-2010

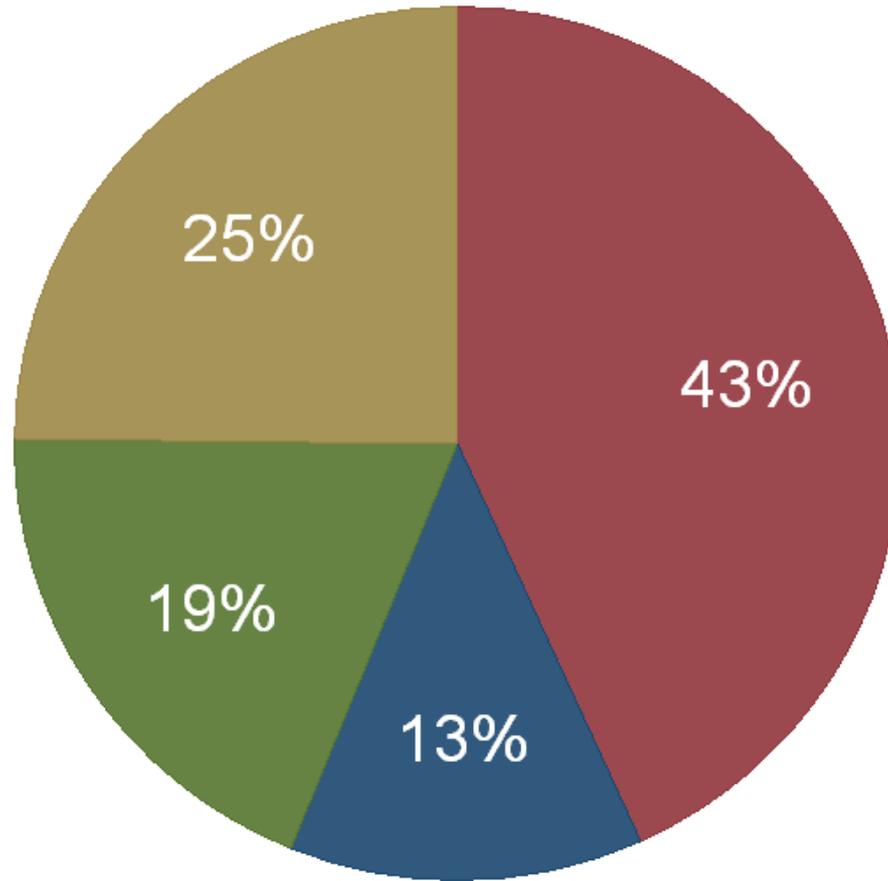
## Rural & Urban Population



DEDI Energy Database, 2012 (Census)

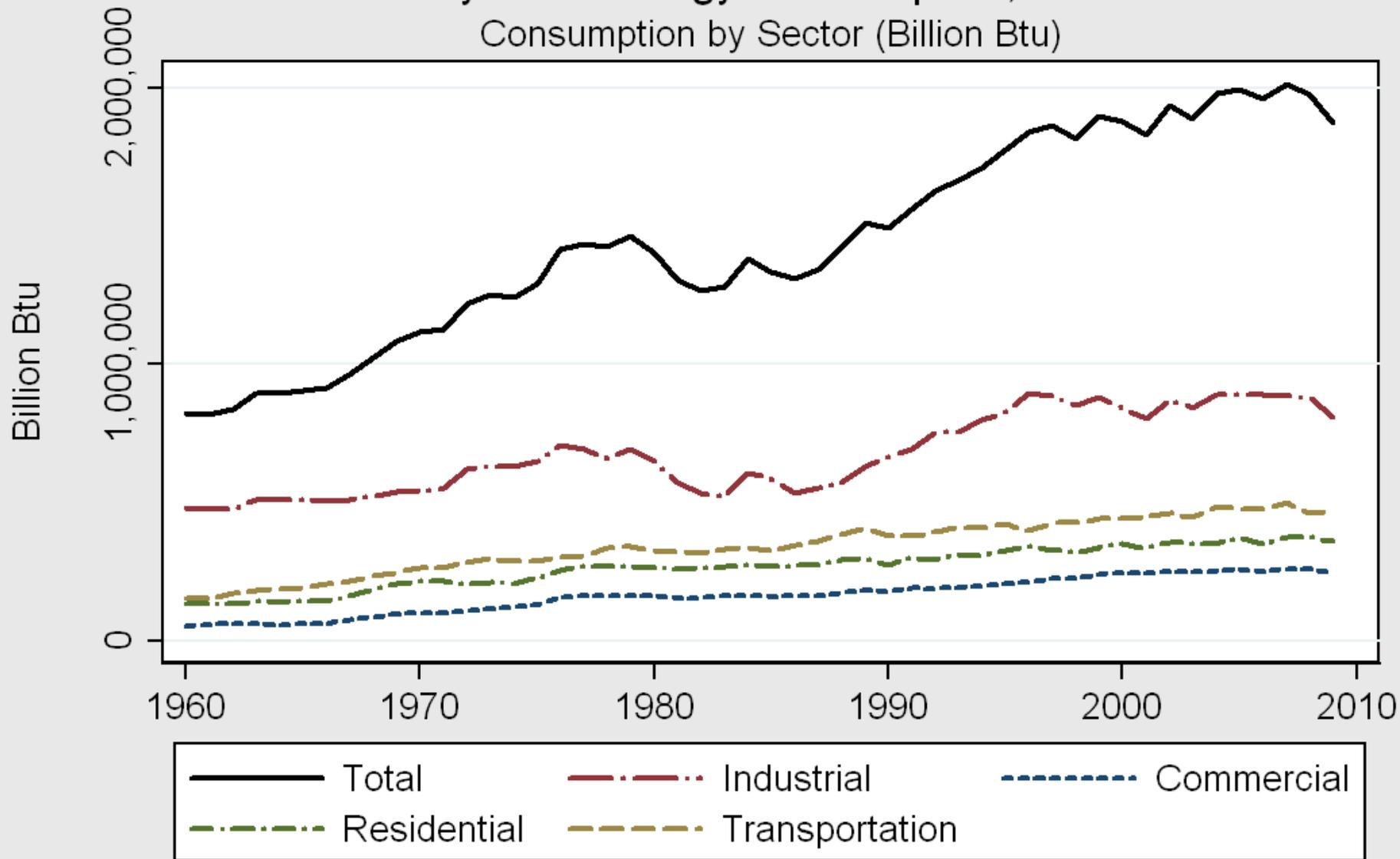
# Kentucky Total Energy Consumption, 2009

## Consumption by Sector (%)



# Kentucky Total Energy Consumption, 1960-2009

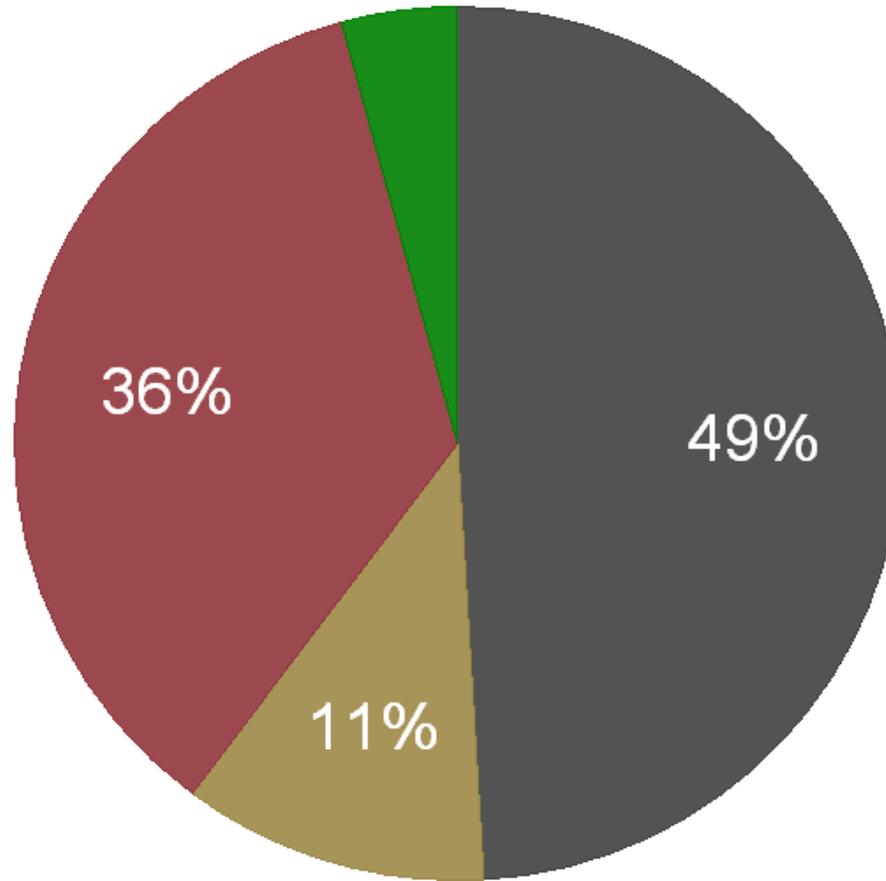
Consumption by Sector (Billion Btu)



DEDI Energy Database, 2012 (EIA)

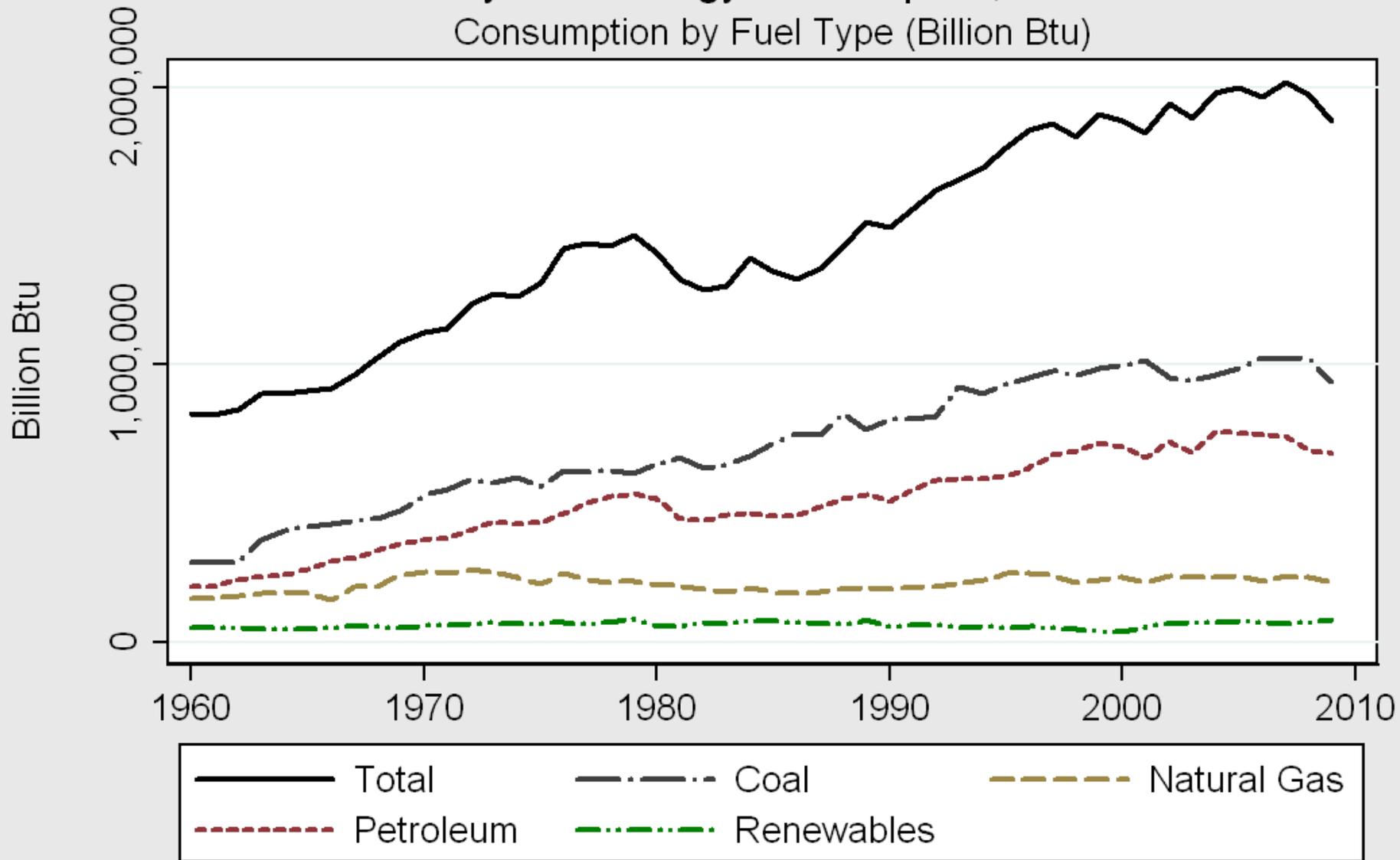
# Kentucky Total Energy Consumption, 2009

Consumption by Fuel Type (%)



# Kentucky Total Energy Consumption, 1960-2009

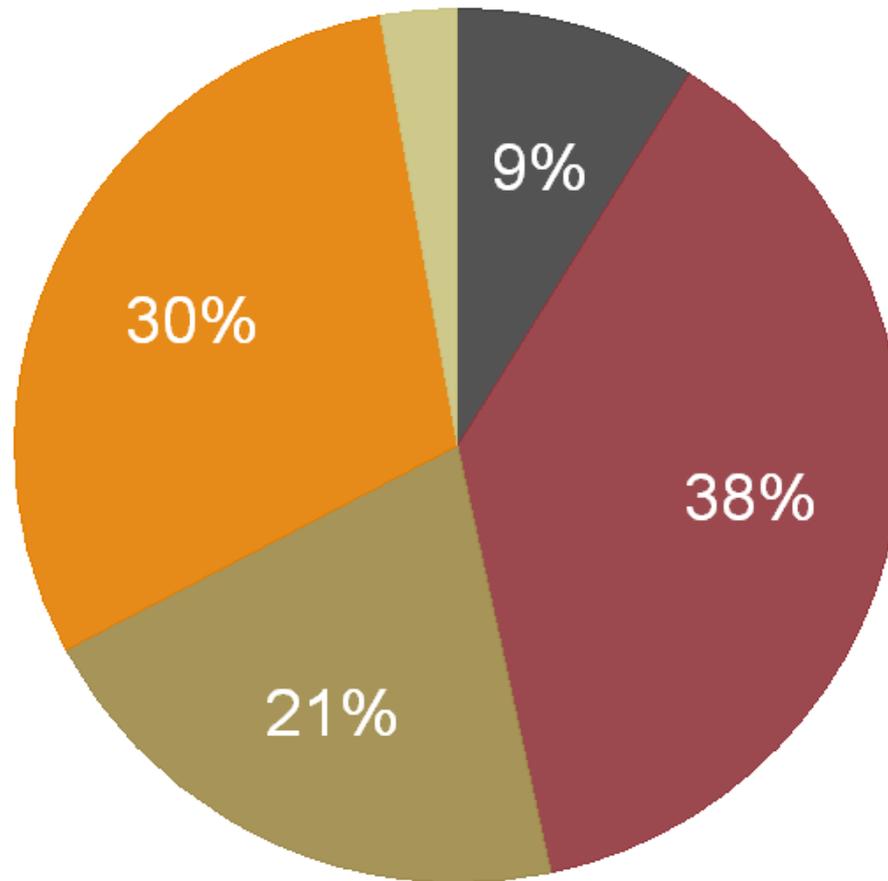
## Consumption by Fuel Type (Billion Btu)



DEDI Energy Database, 2012 (EIA)

# Kentucky Industrial Sector Energy Consumption, 2009

Consumption by Fuel Type (%)



Coal



Petroleum



Natural Gas



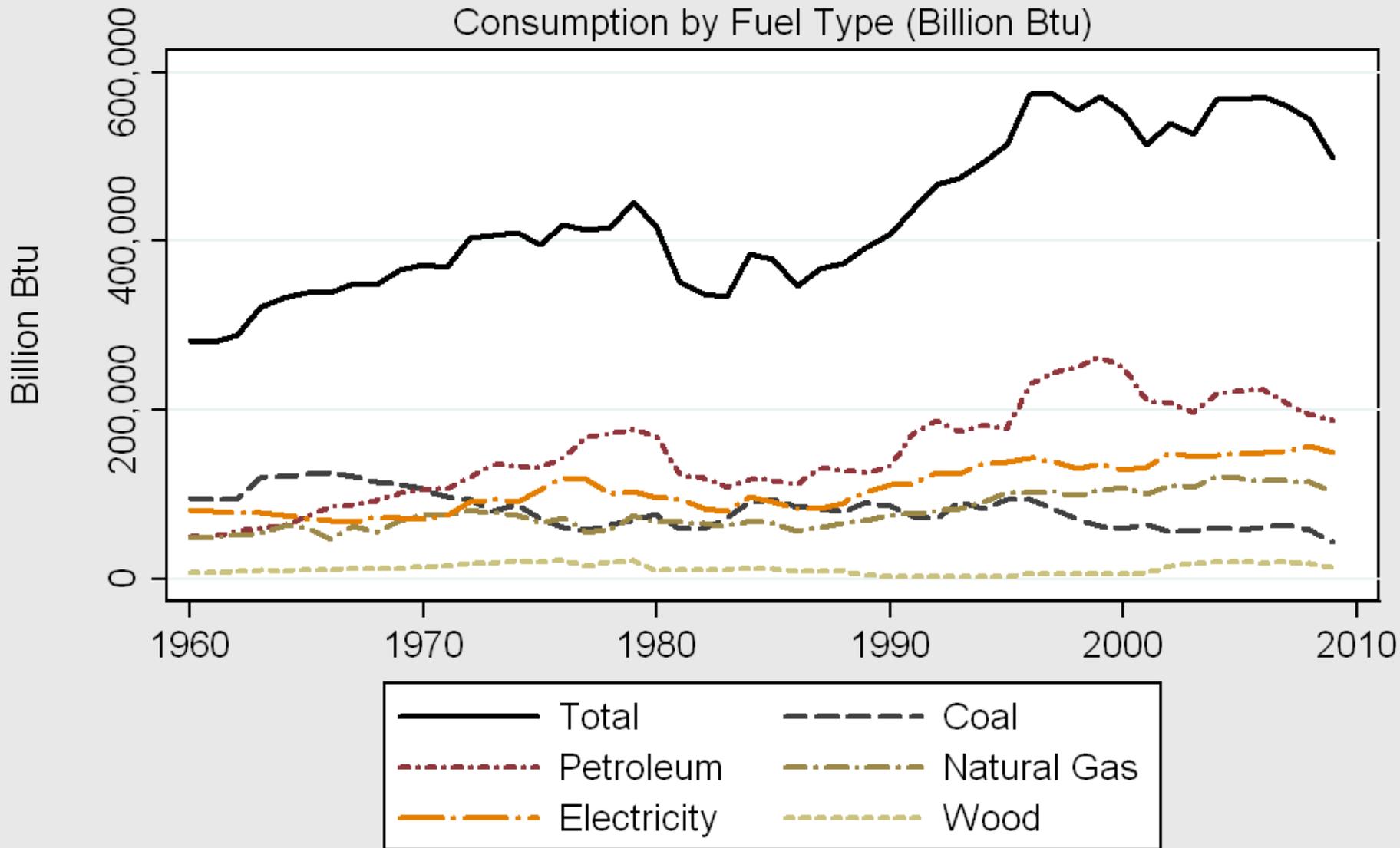
Electricity



Wood

# Kentucky Industrial Sector Energy Consumption, 1960-2009

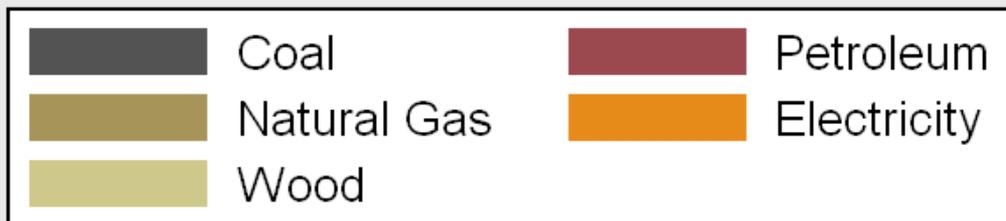
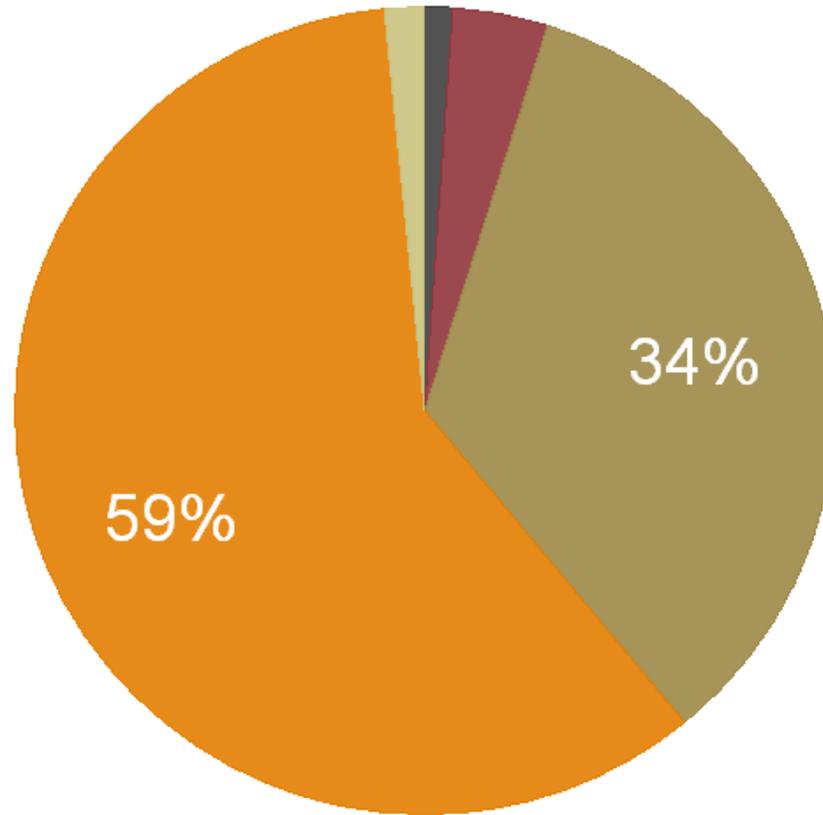
Consumption by Fuel Type (Billion Btu)



DEDI Energy Database, 2012 (EIA)

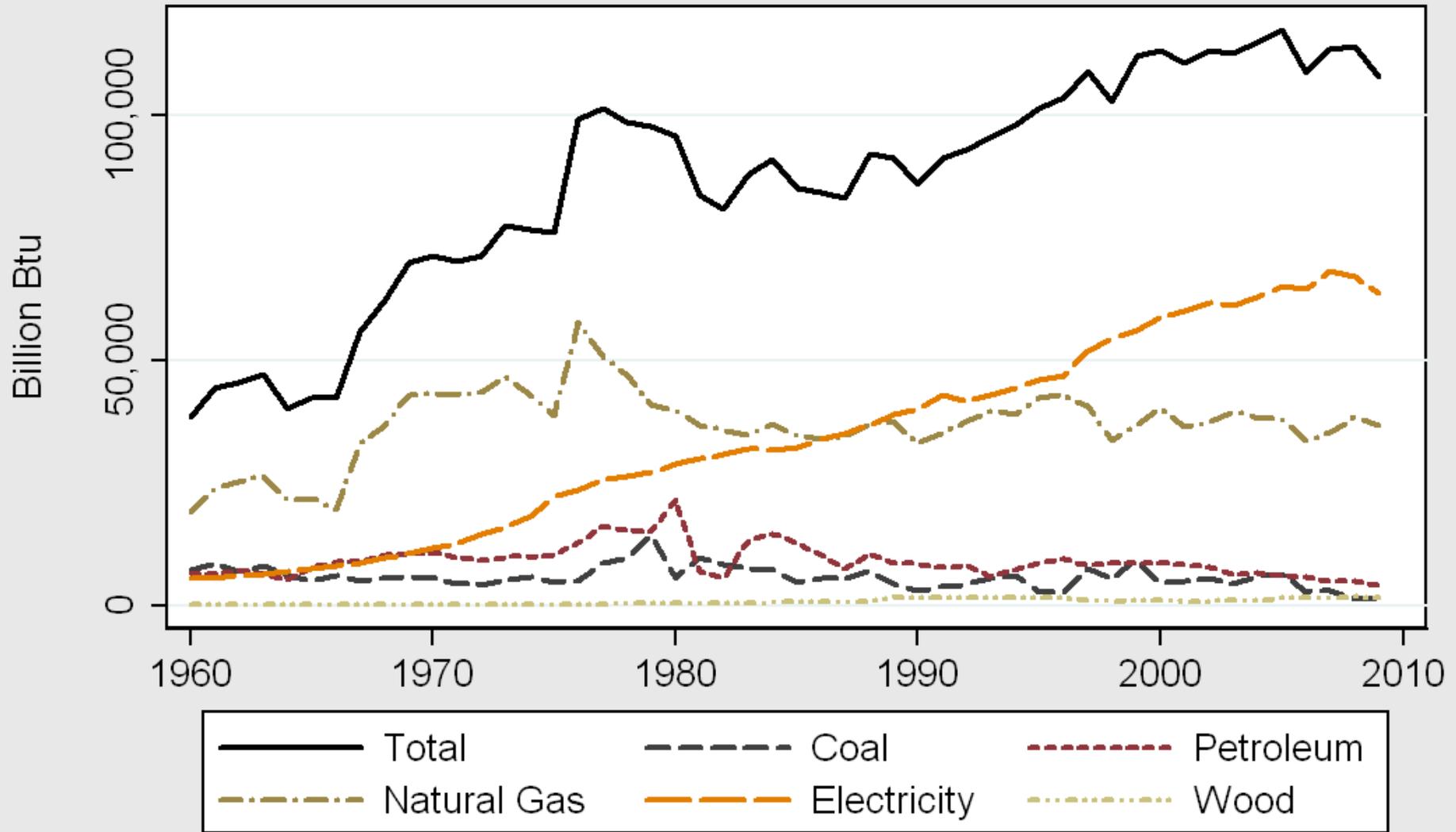
# Kentucky Commercial Sector Energy Consumption, 2009

Consumption by Fuel Type (%)



# Kentucky Commercial Sector Energy Consumption, 1960-2009

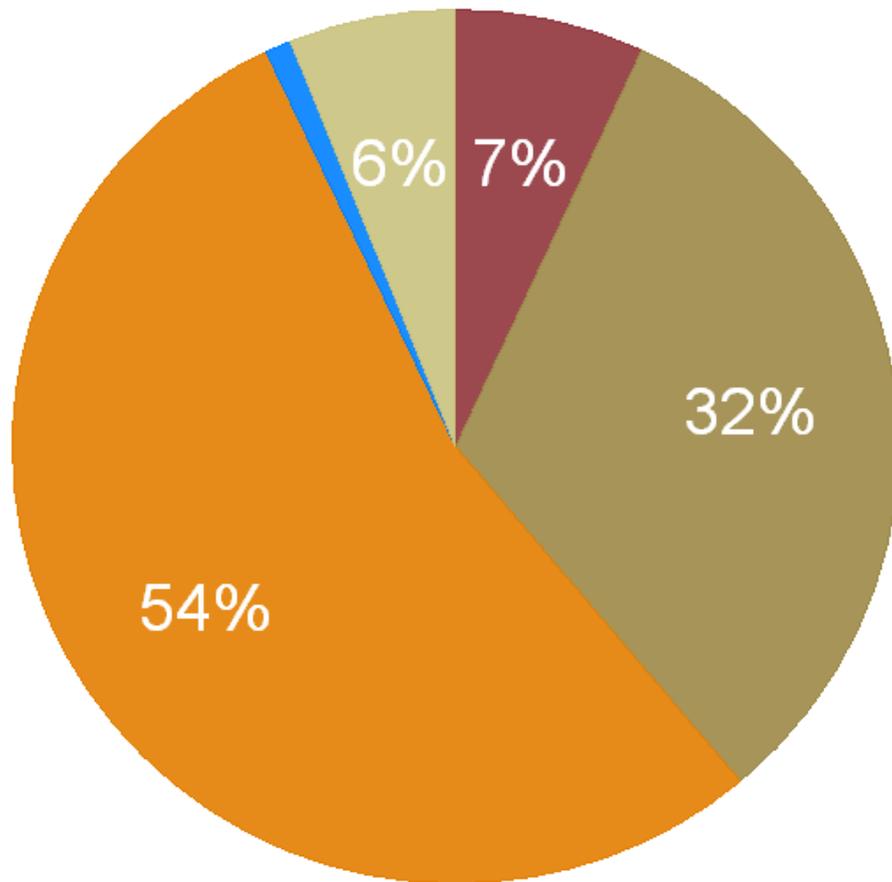
## Consumption by Fuel Type (Billion Btu)



DEDI Energy Database, 2012 (EIA)

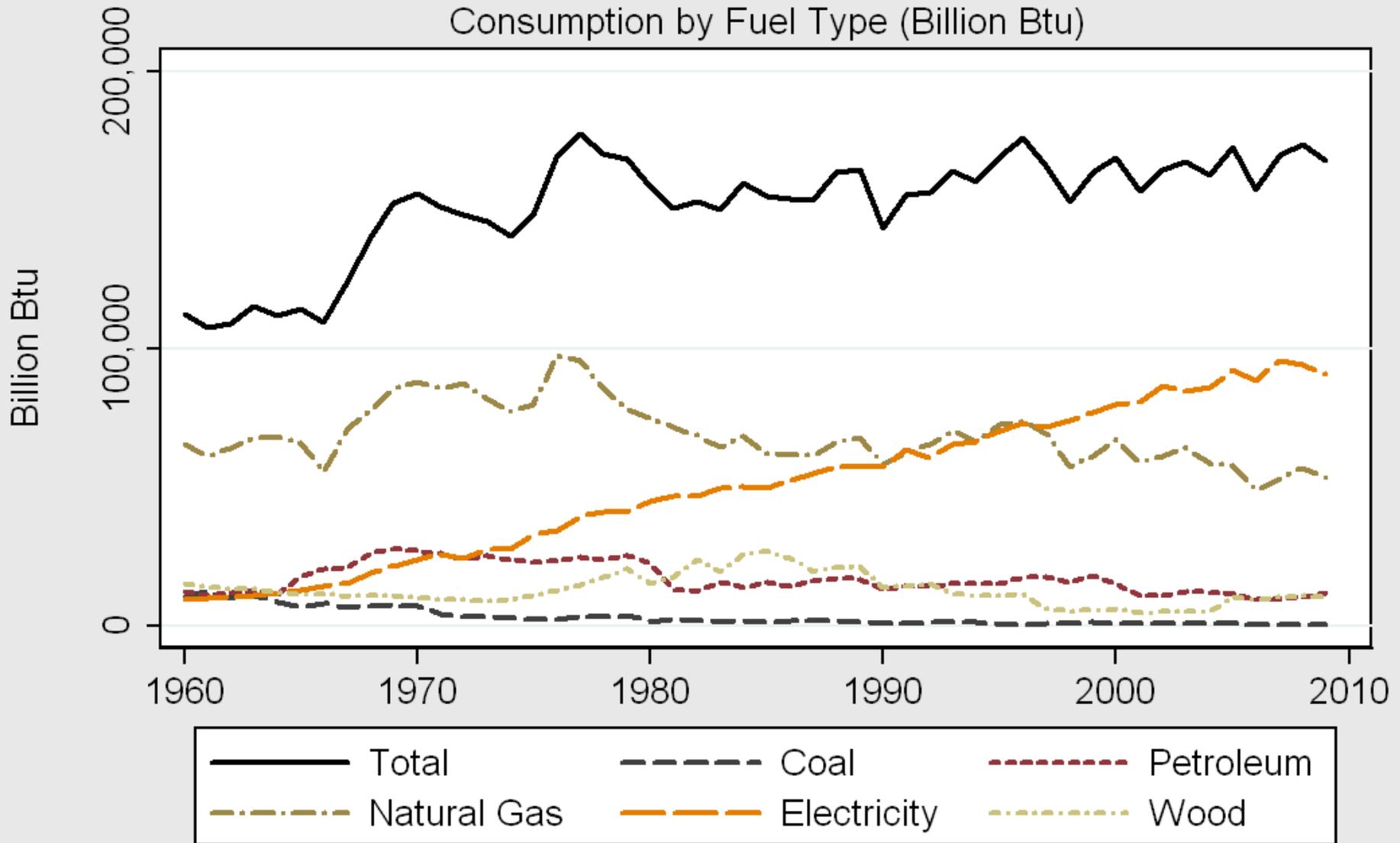
# Kentucky Residential Sector Energy Consumption, 2009

Consumption by Fuel Type (%)



# Kentucky Residential Sector Energy Consumption, 1960-2009

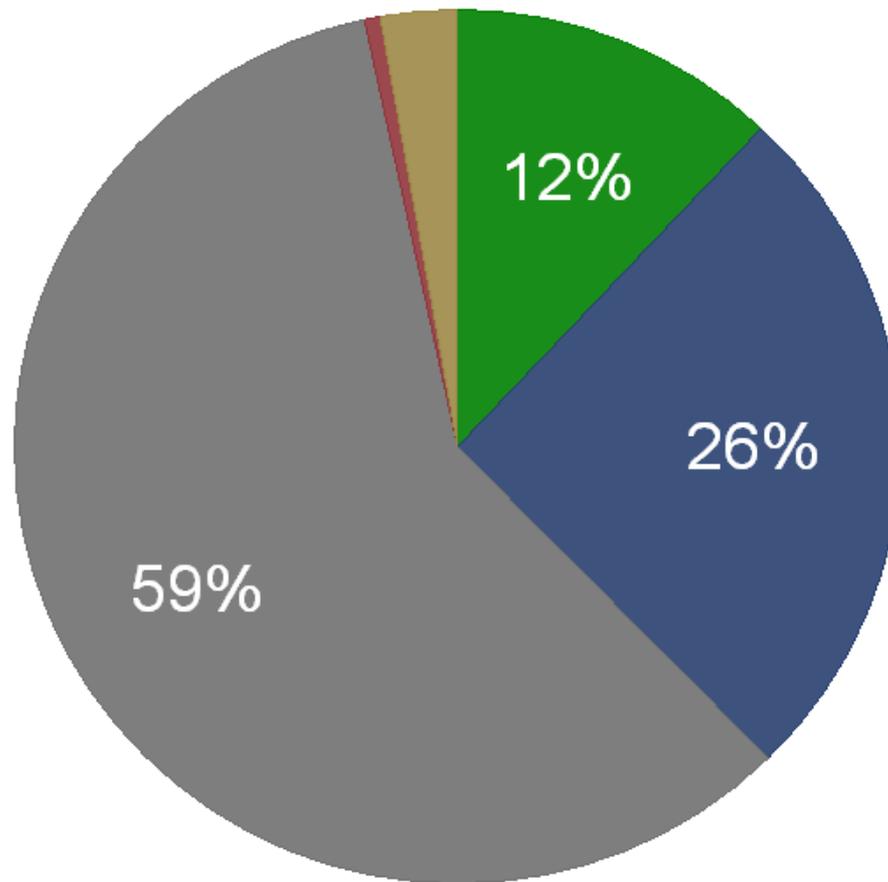
## Consumption by Fuel Type (Billion Btu)



DEDI Energy Database, 2012 (EIA)

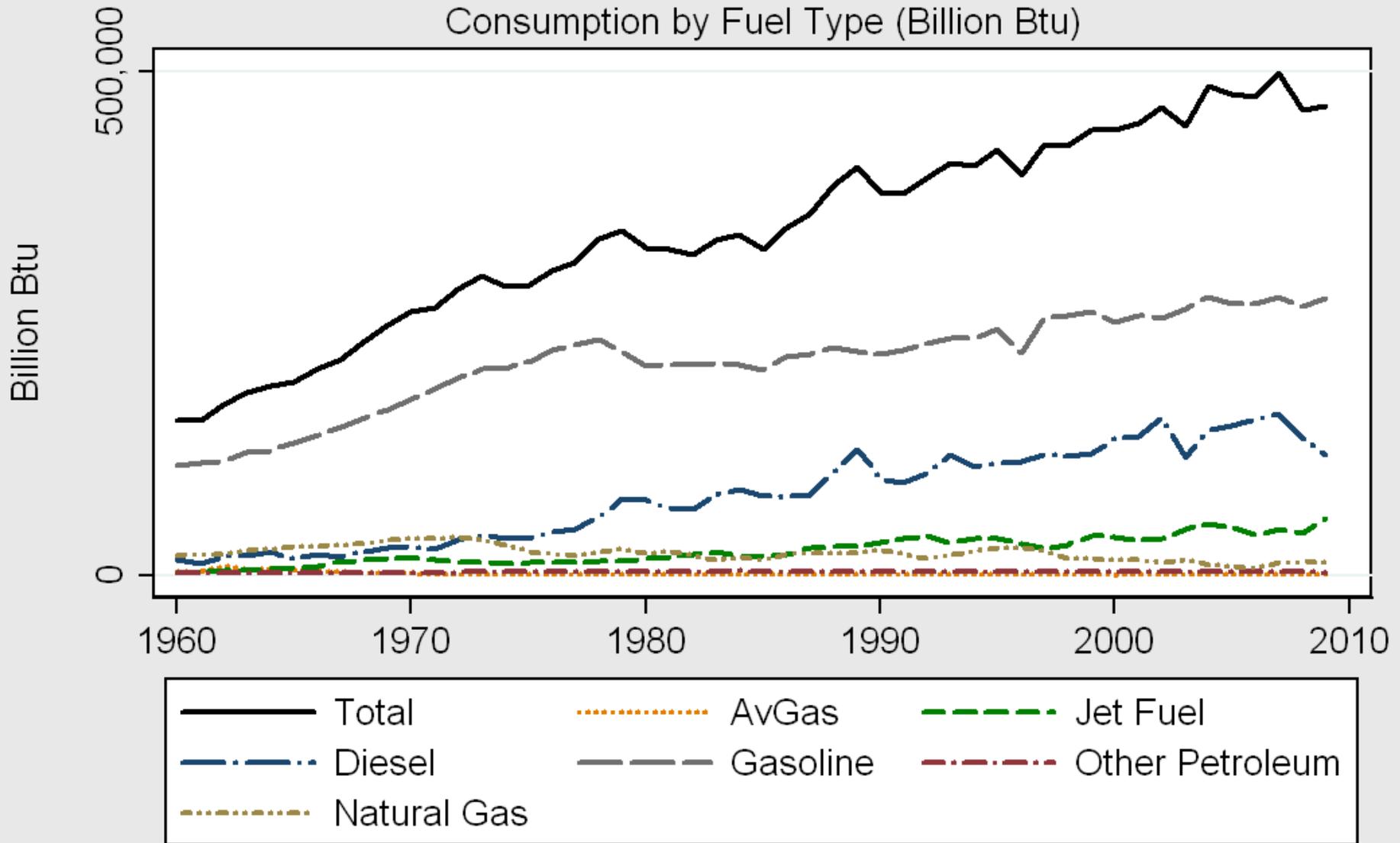
# Kentucky Transportation Sector Energy Consumption, 2009

Consumption by Fuel Type (Billion Btu)



# Kentucky Transportation Sector Energy Consumption, 1960-2009

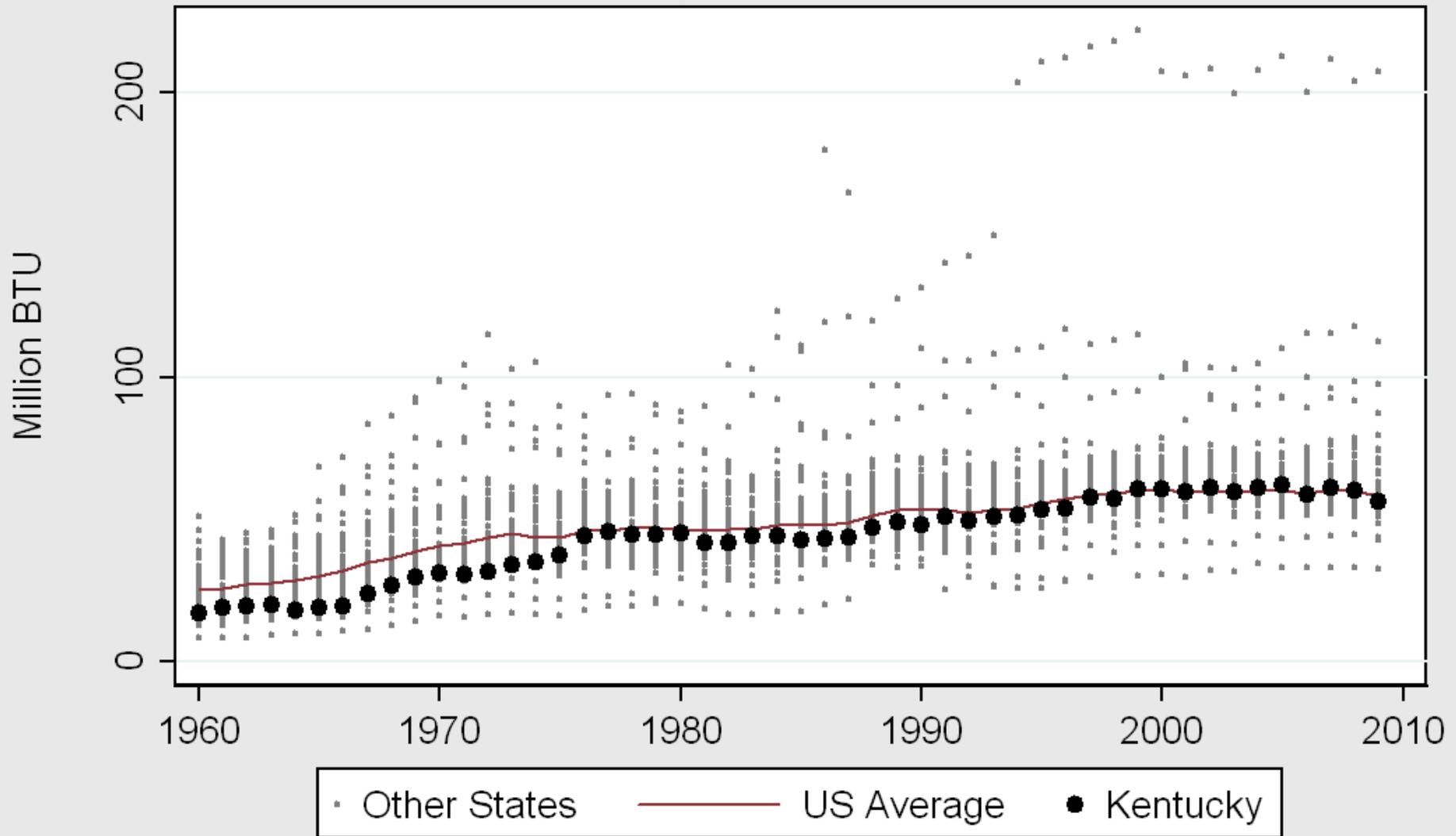
## Consumption by Fuel Type (Billion Btu)



DEDI Energy Database, 2012 (EIA)

# Annual Commercial Energy Consumption Per Capita, 1960-2009

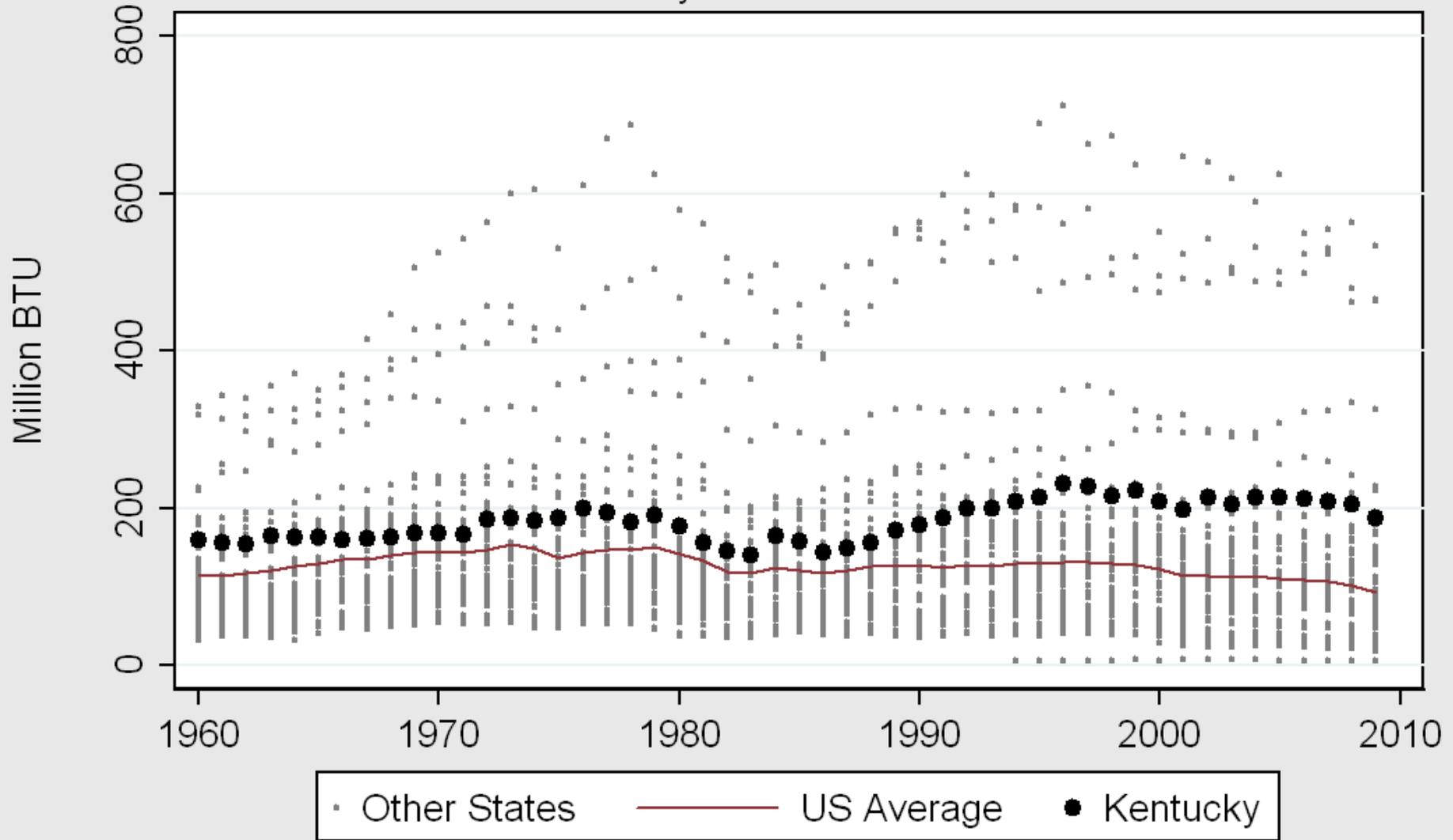
## Kentucky vs. the United States



DEDI Energy Database, 2012 (EIA & Census)

# Annual Industrial Energy Consumption Per Capita, 1960-2009

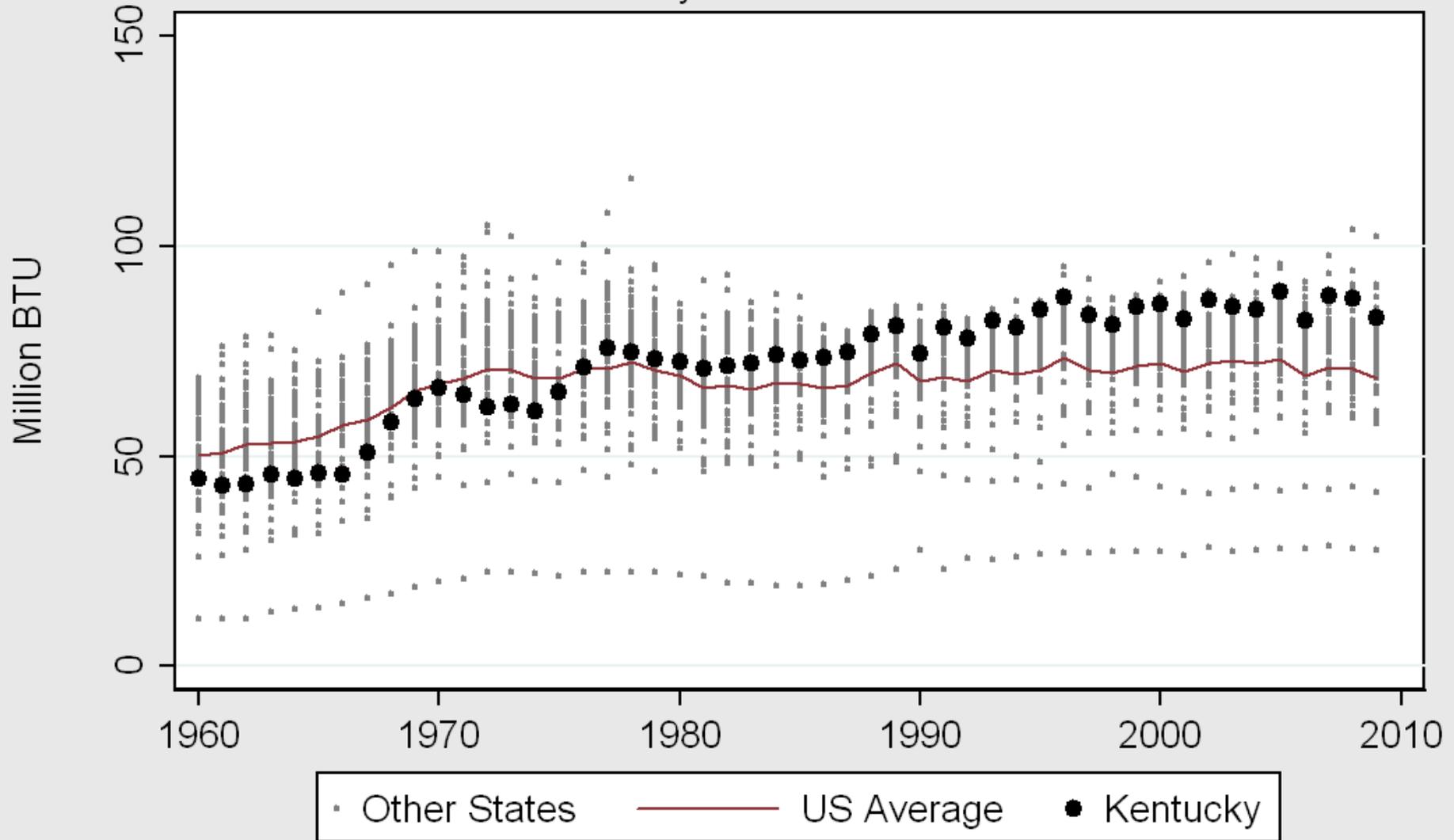
## Kentucky vs. the United States



DEDI Energy Database, 2012 (EIA & Census)

# Annual Residential Energy Consumption Per Capita, 1960-2009

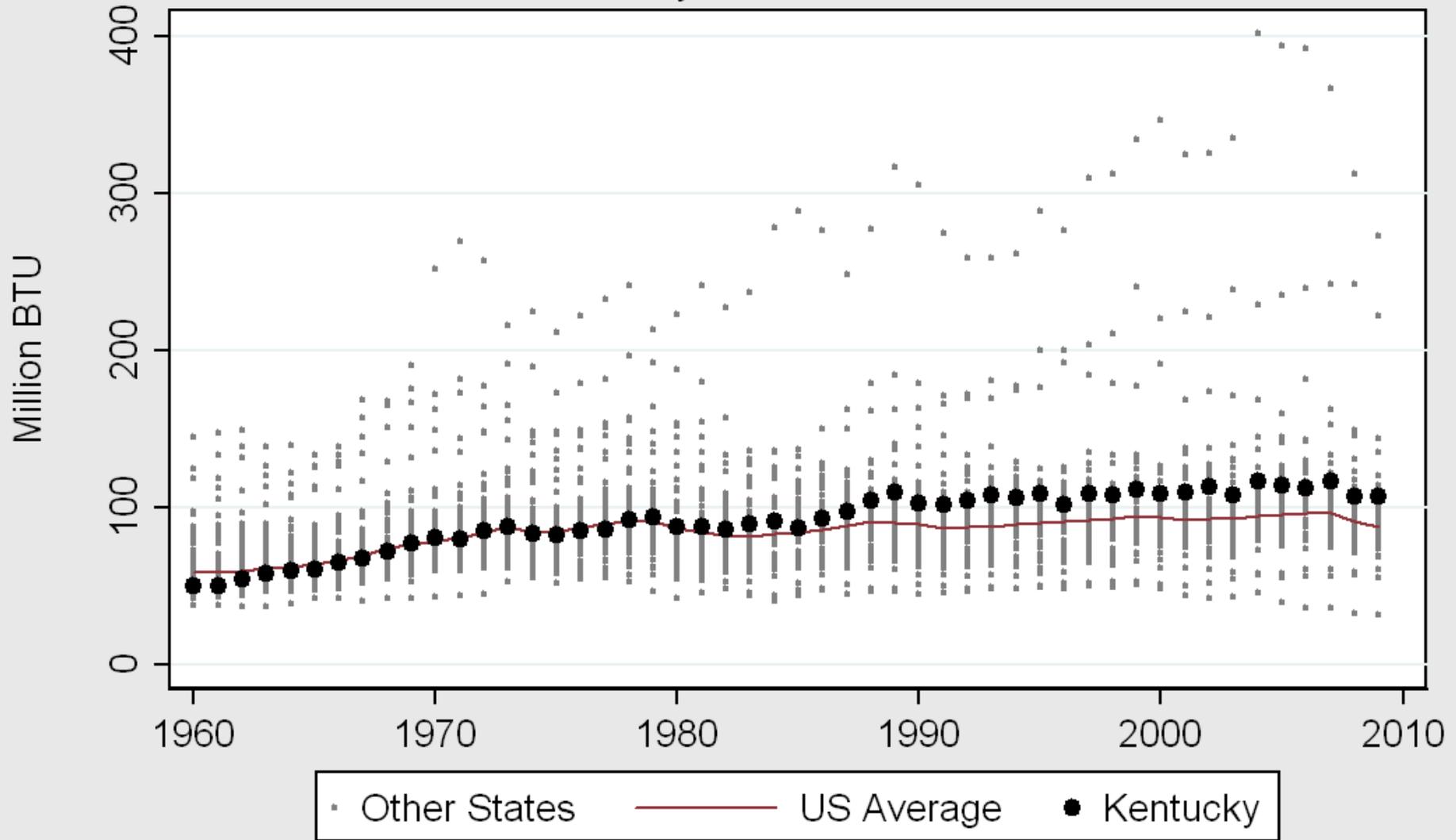
## Kentucky vs. the United States



DEDI Energy Database, 2012 (EIA & Census)

# Annual Transportation Energy Consumption Per Capita, 1960-2009

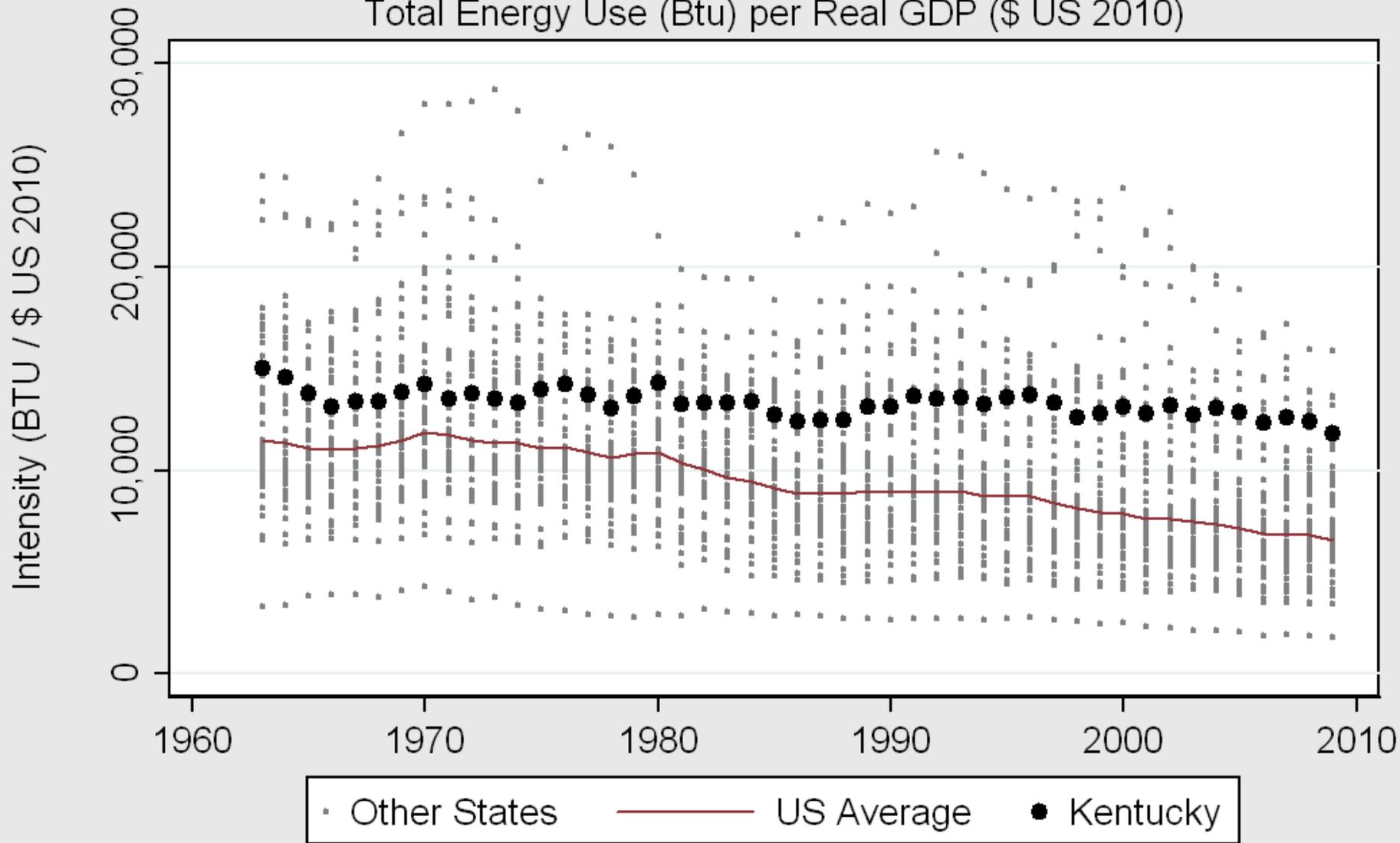
## Kentucky vs. the United States



DEDI Energy Database, 2012 (EIA & Census)

# Total Energy Consumption per State GDP Dollar, 1963-2009

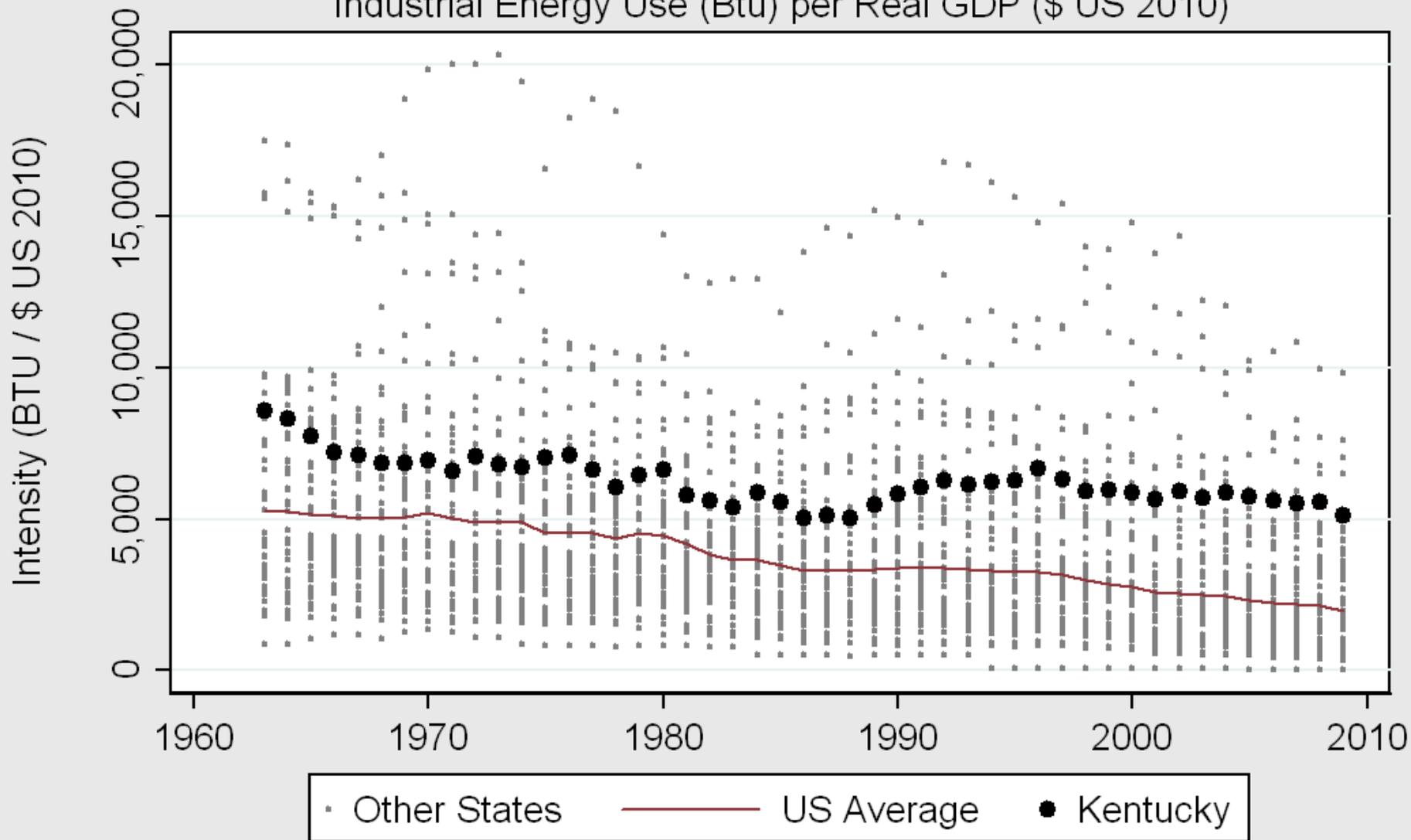
Total Energy Use (Btu) per Real GDP (\$ US 2010)



DEDI Energy Database, 2012 (EIA & BEA)

# Industrial Energy Consumption per State GDP Dollar, 1963-2009

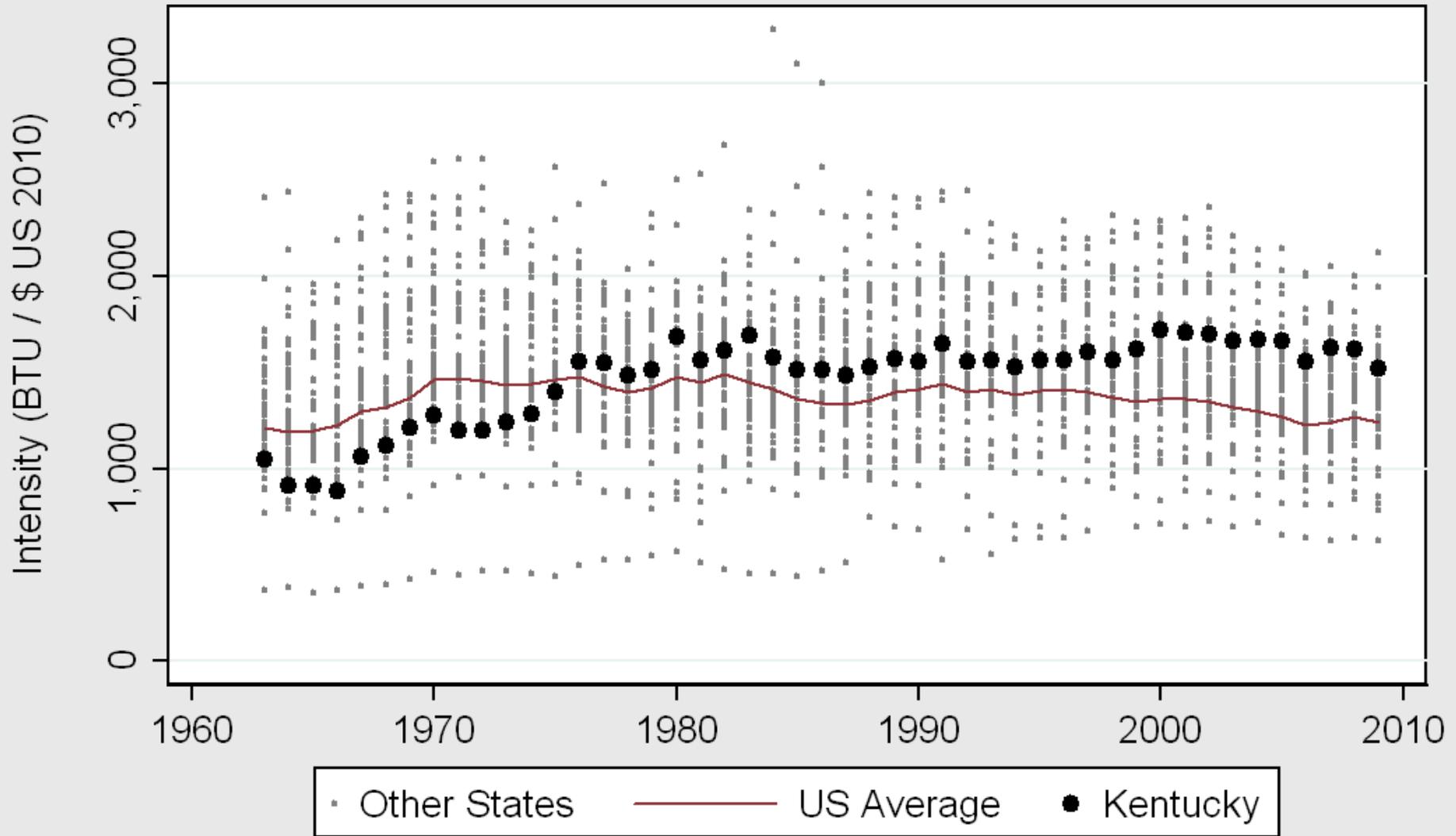
Industrial Energy Use (Btu) per Real GDP (\$ US 2010)



DEDI Energy Database, 2012 (EIA & BEA)

# Commercial Energy Consumption per State GDP Dollar, 1963-2009

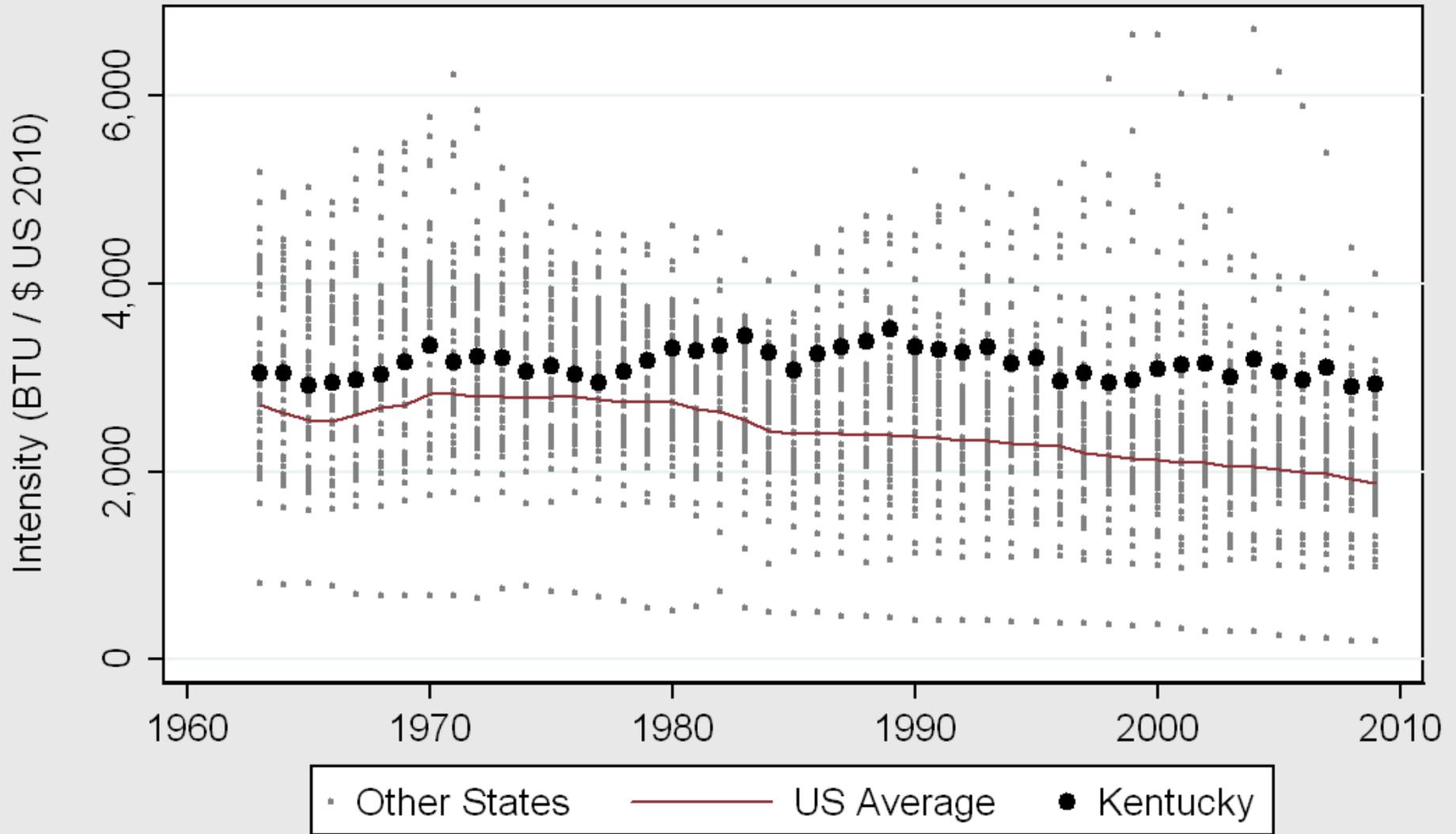
Commercial Energy Use (Btu) per Real GDP (\$ US 2010)



DEDI Energy Database, 2012 (EIA & BEA)

# Transportation Energy Consumption per State GDP Dollar, 1963-2009

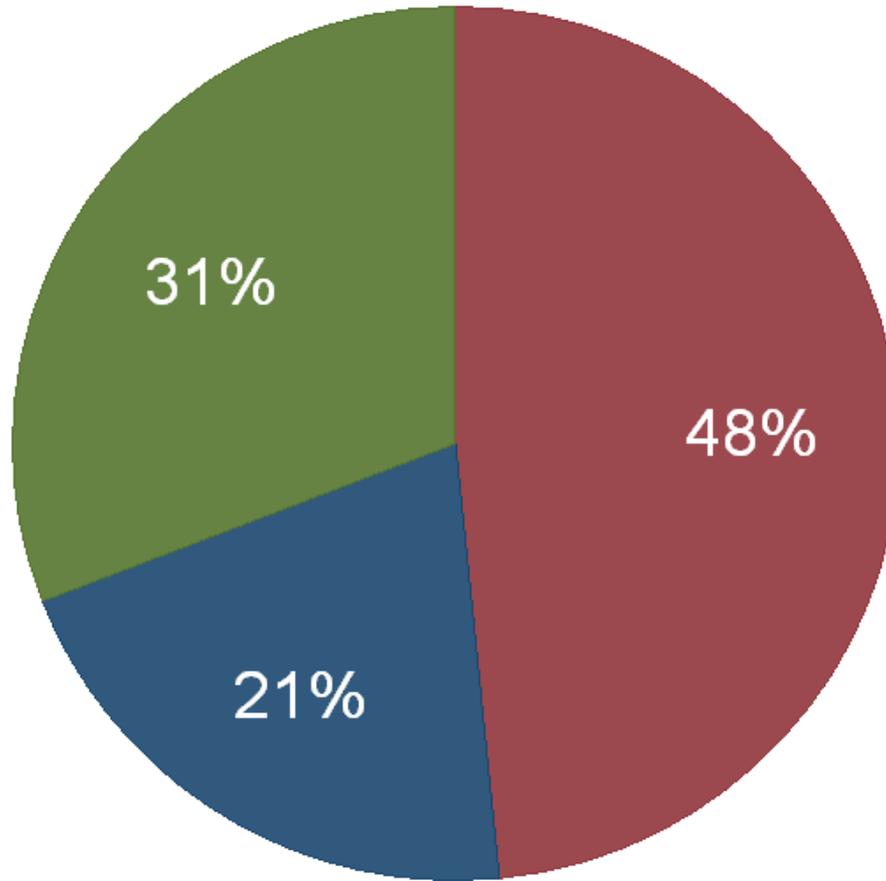
Transportation Energy Use (Btu) per Real GDP (\$ US 2010)



DEDI Energy Database, 2012 (EIA & BEA)

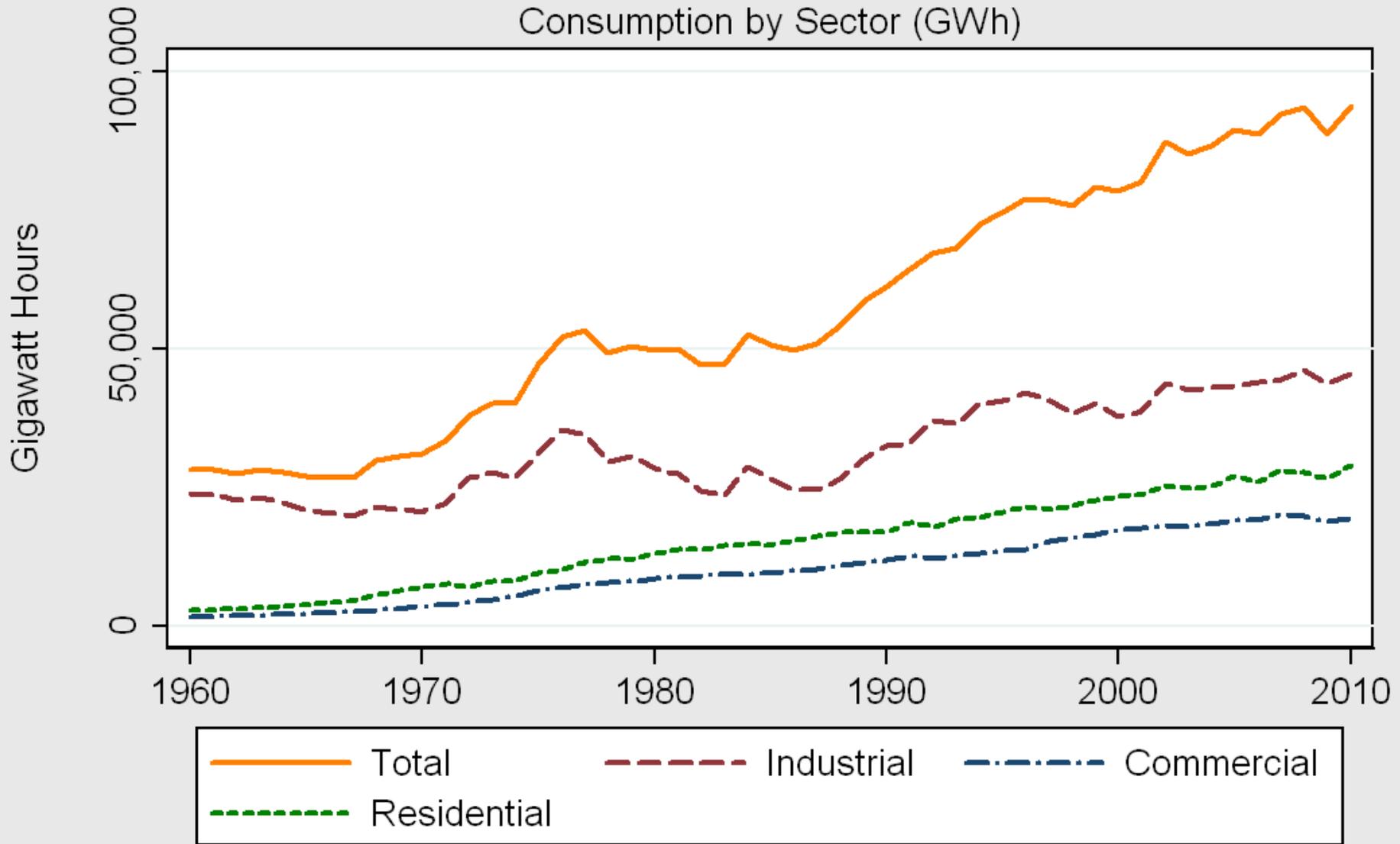
# Kentucky Electricity Consumption, 2010

## Consumption by Sector (%)



# Kentucky Electricity Consumption, 1960-2010

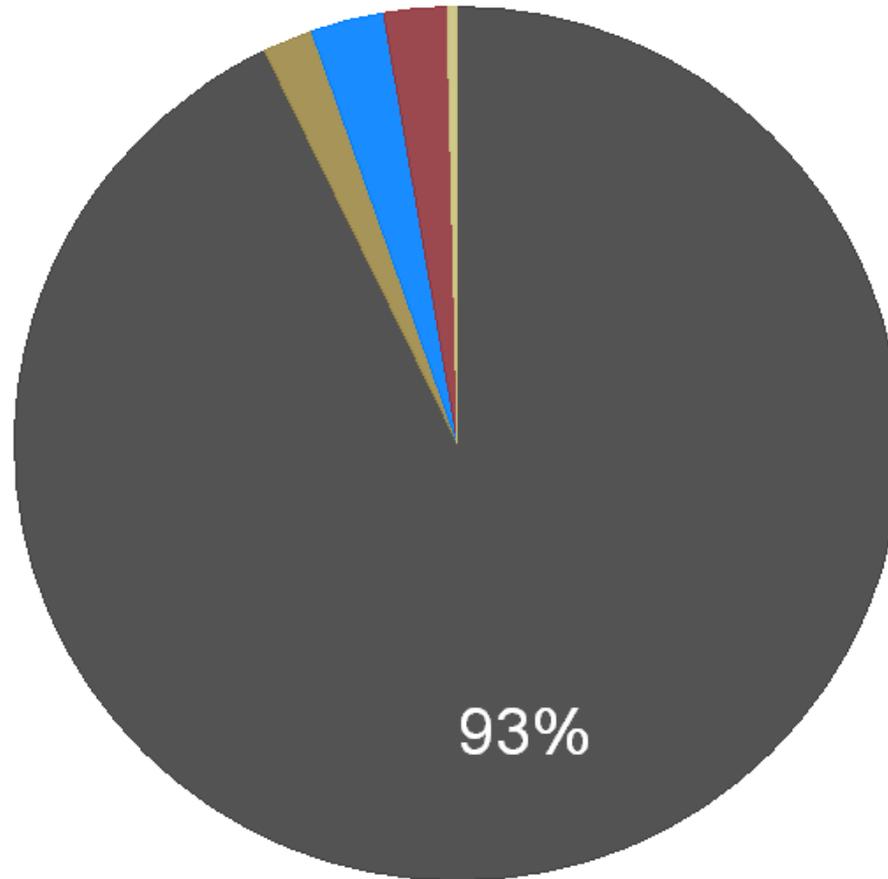
Consumption by Sector (GWh)



DEDI Energy Database, 2012 (EIA)

# Kentucky Electricity Generation, 2010

Electricity Generation by Fuel Type (%)



Coal



Natural Gas



Hydro



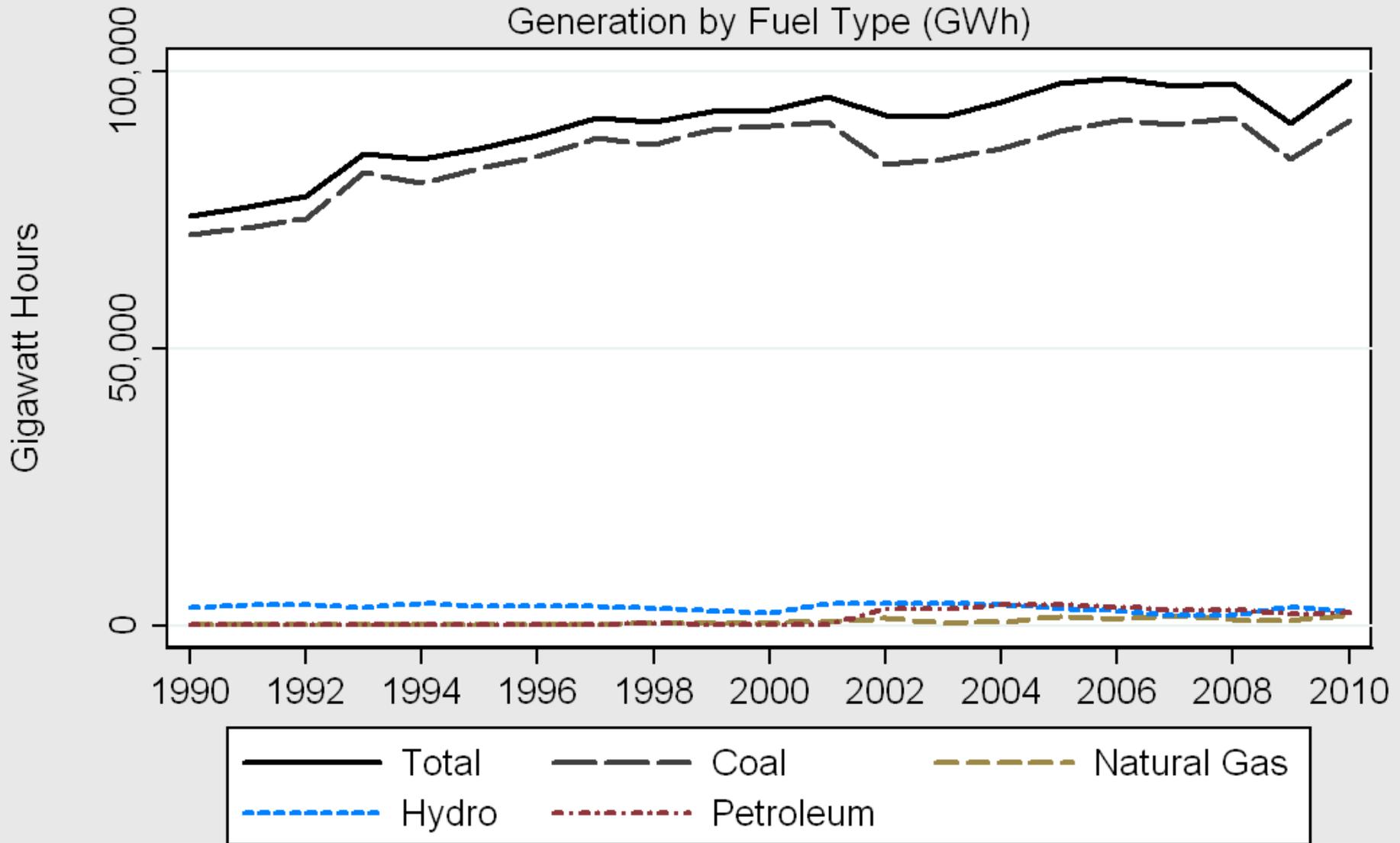
Petroleum



Wood

# Kentucky Electricity Generation, 1990-2010

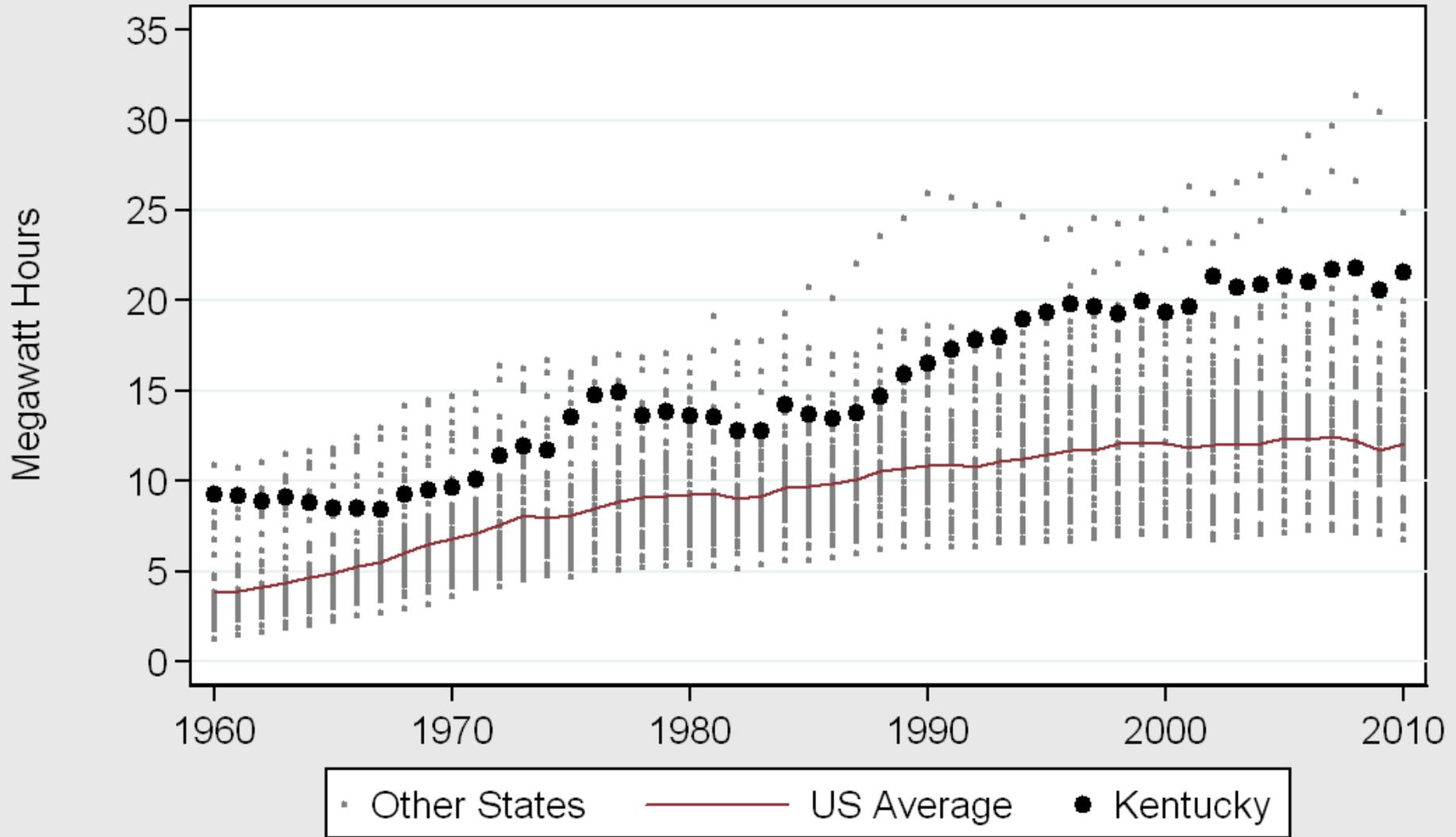
Generation by Fuel Type (GWh)



DEDI Energy Database, 2012 (EIA)

# Total Electricity Consumption Per Capita, 1960-2010

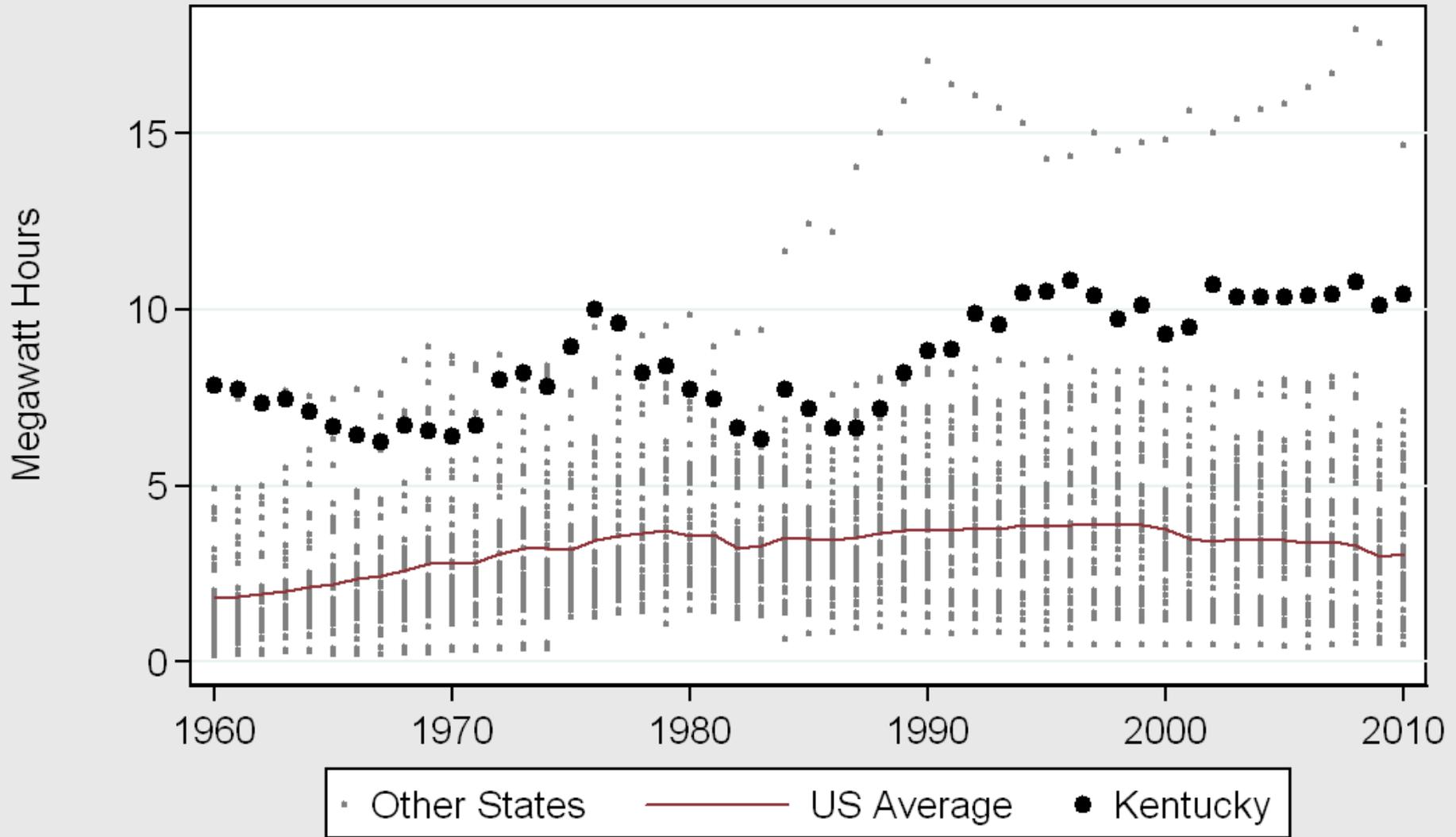
## Kentucky vs. the United States



DEDI Energy Database, 2012 (EIA & Census)

# Industrial Electricity Consumption Per Capita, 1960-2010

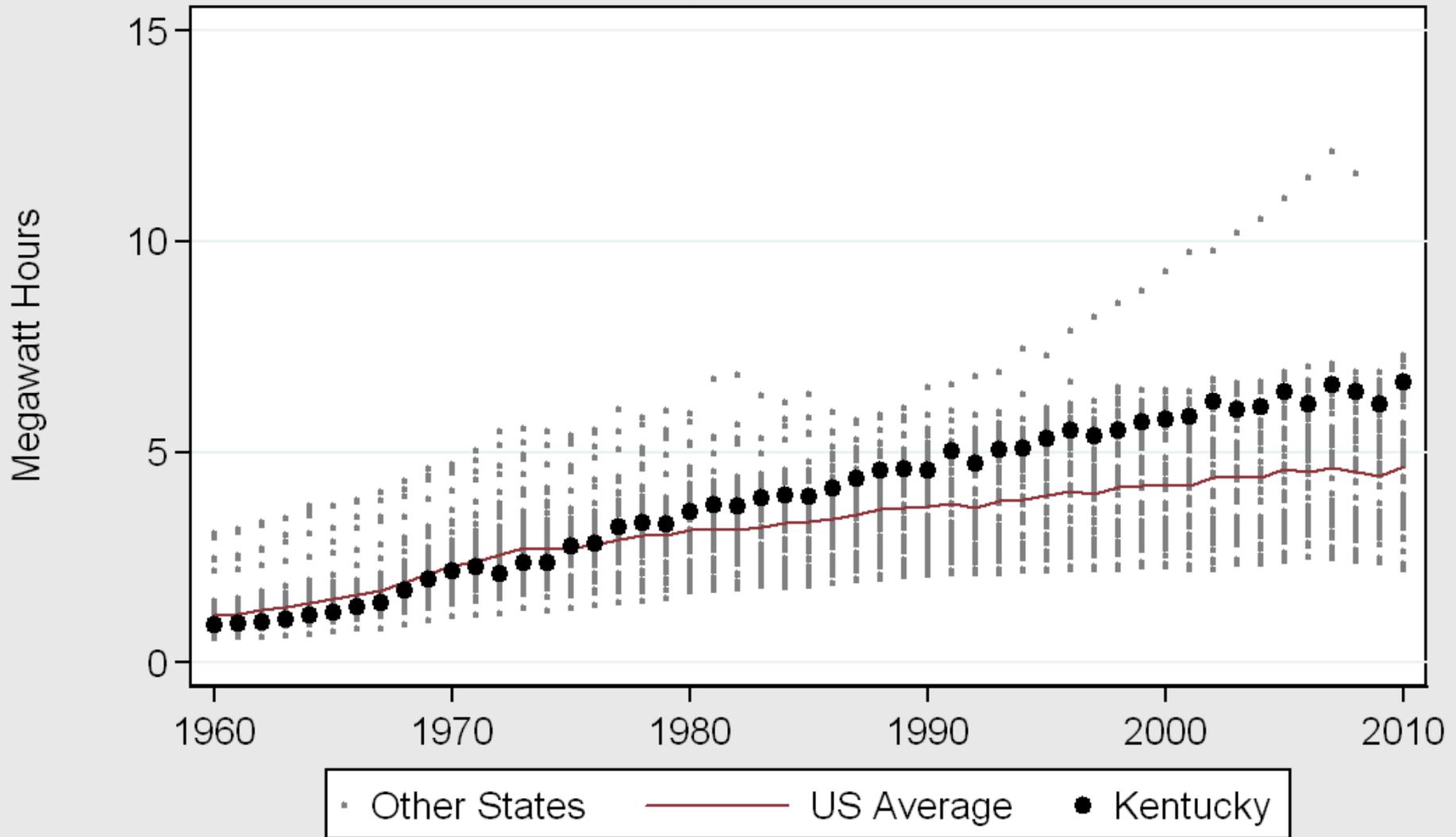
## Kentucky vs. the United States



DEDI Energy Database, 2012 (EIA & Census)

# Residential Electricity Consumption Per Capita, 1960-2010

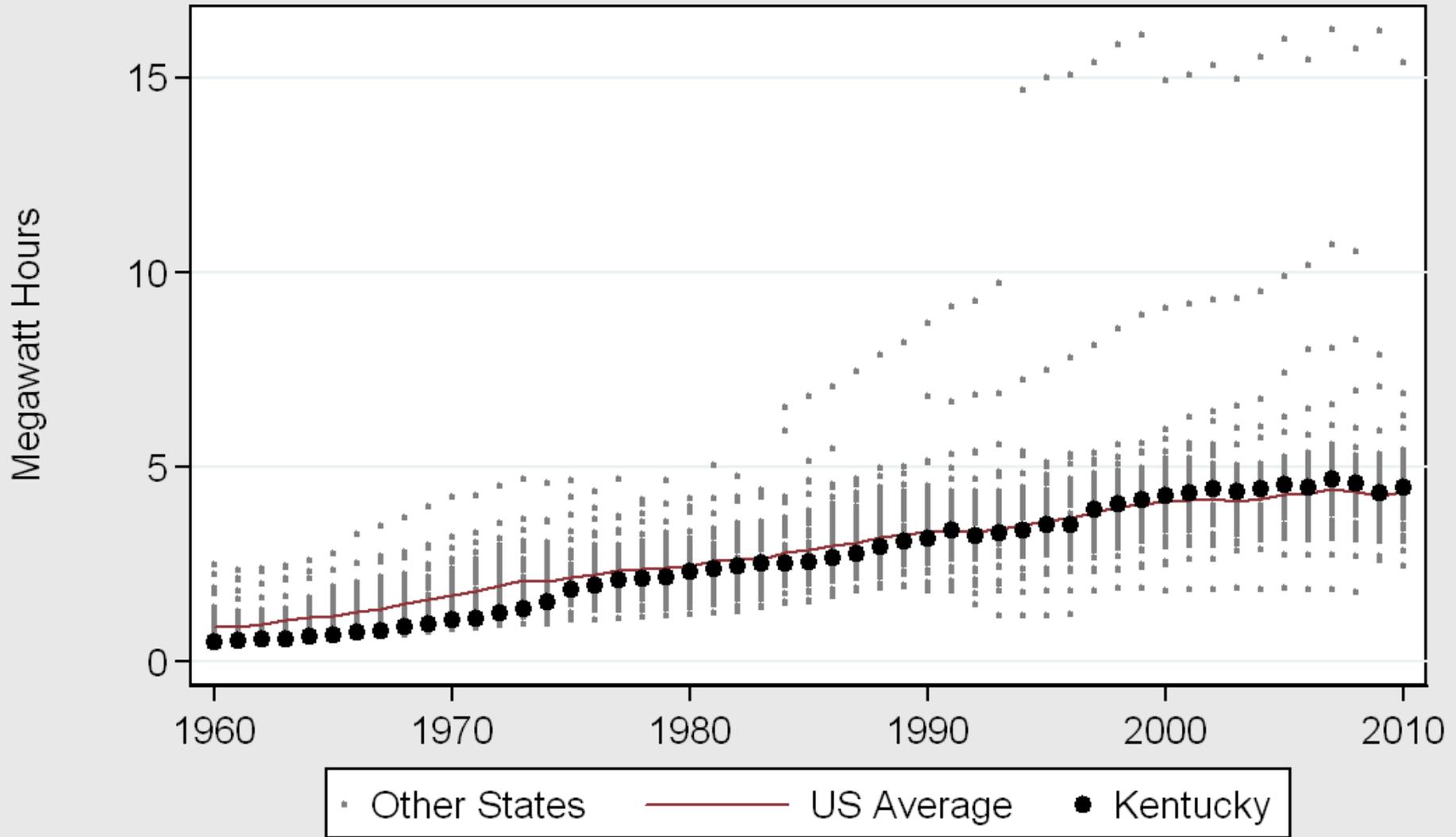
## Kentucky vs. the United States



DEDI Energy Database, 2012 (EIA & Census)

# Commercial Electricity Consumption Per Capita, 1960-2010

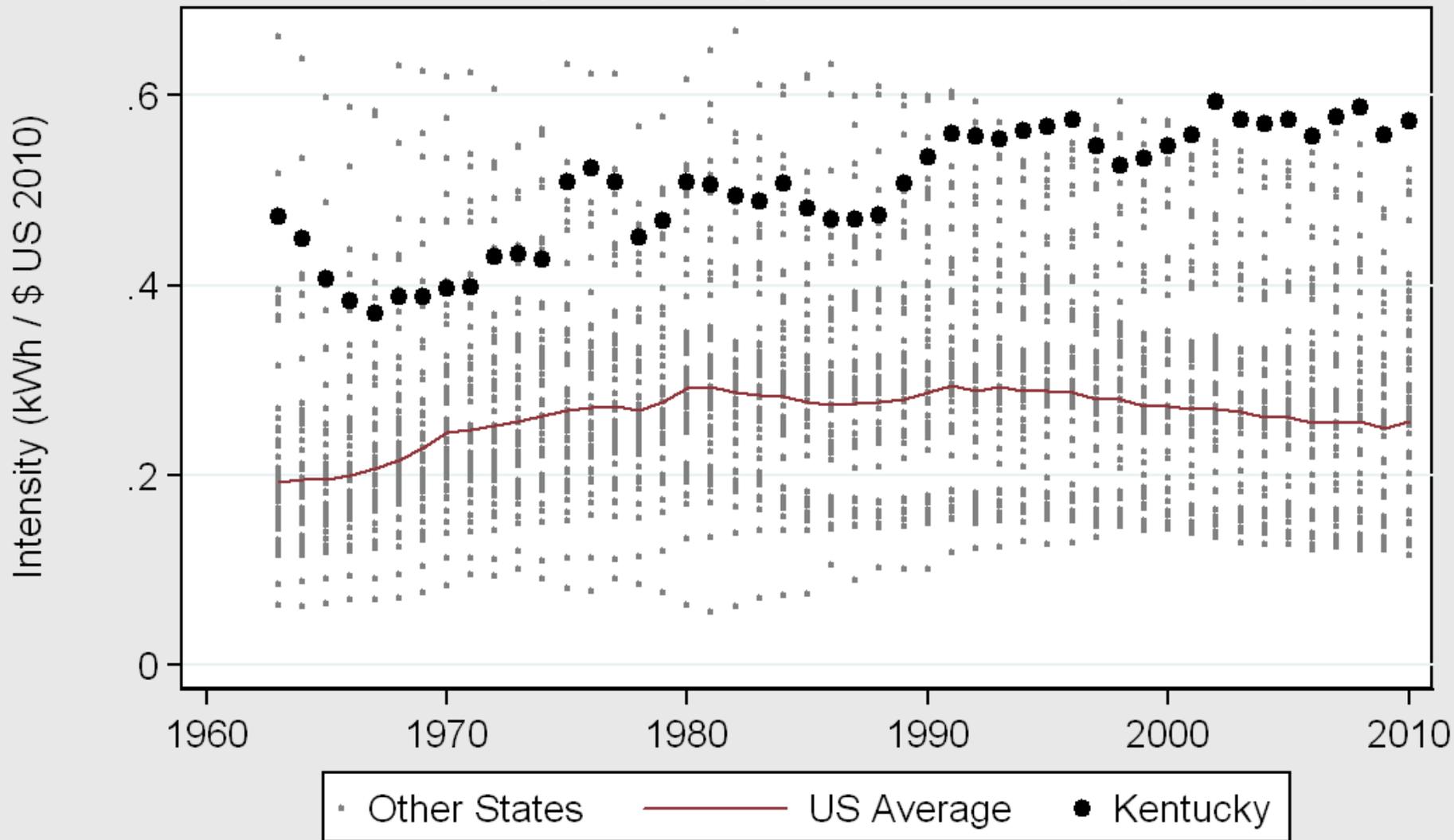
## Kentucky vs. the United States



DEDI Energy Database, 2012 (EIA & Census)

# Electricity Consumption per State GDP Dollar, 1963-2010

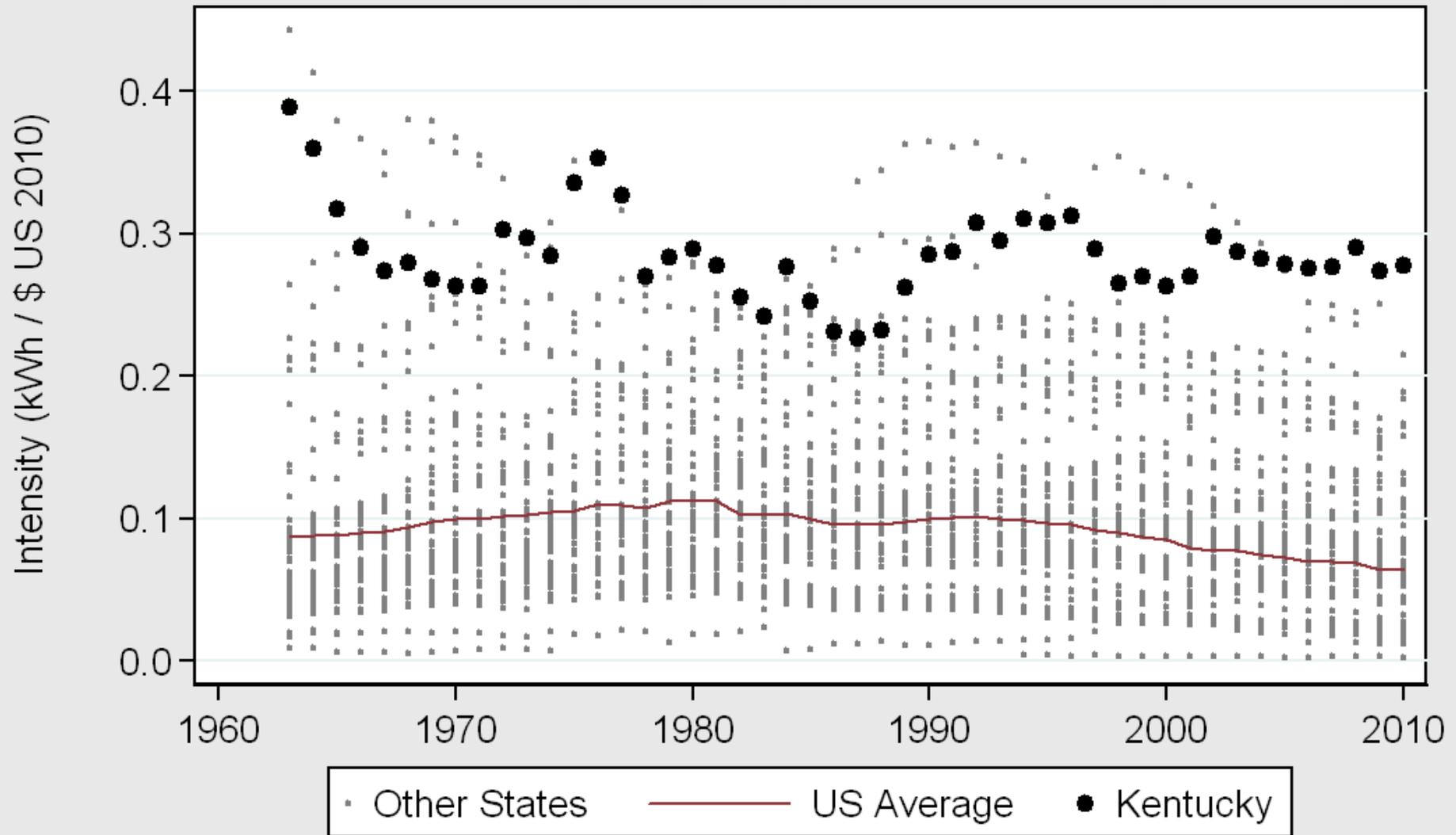
Total Electricity Use (kWh) per Real State GDP (\$ US 2010)



DEDI Energy Database, 2012 (EIA & BEA)

# Industrial Electricity Consumption per State GDP Dollar, 1963-2010

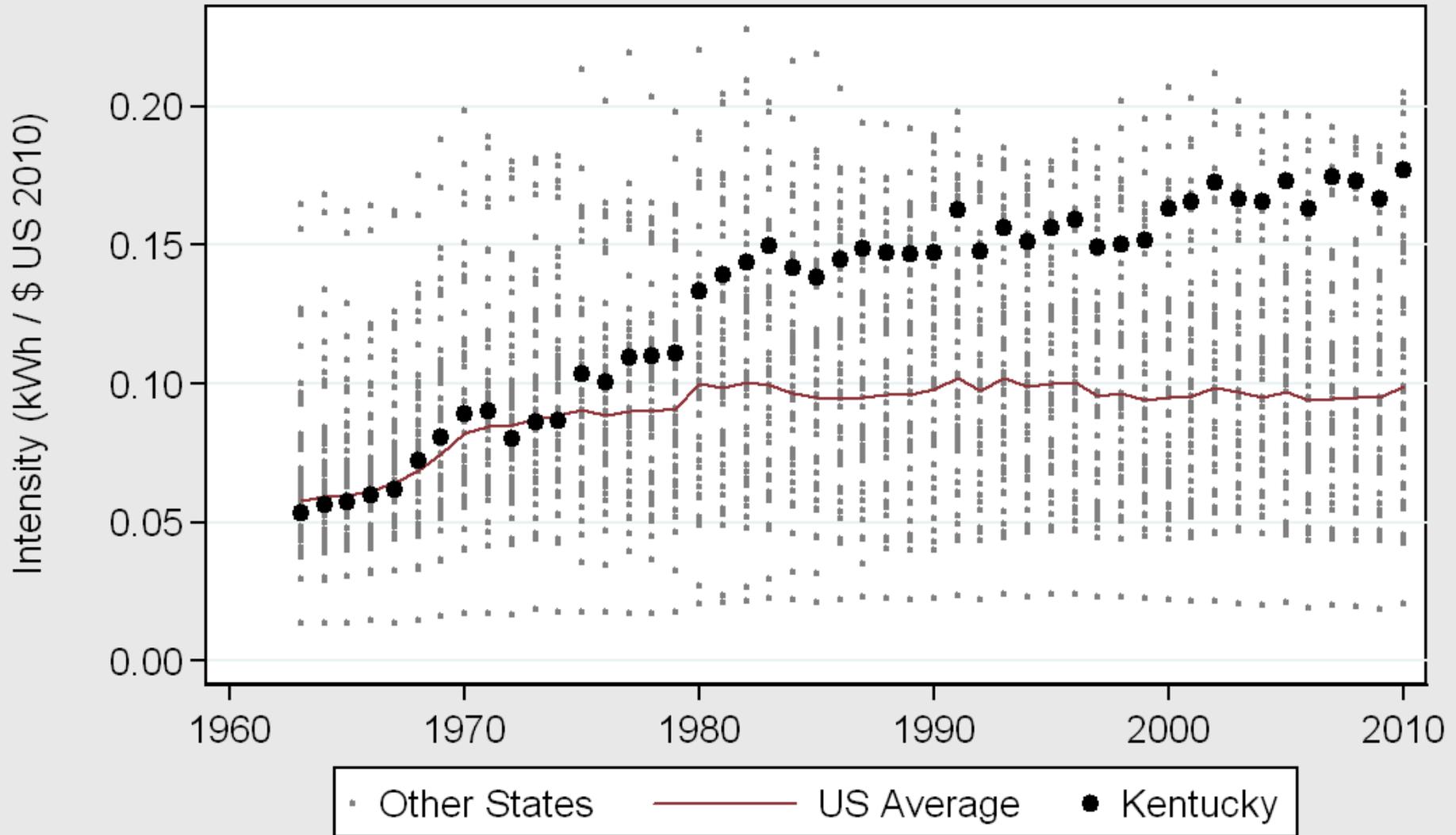
Industrial Electricity Use (kWh) per Real State GDP (\$ US 2010)



DEDI Energy Database, 2012 (EIA & BEA)

# Residential Electricity Consumption per State GDP Dollar, 1963-2010

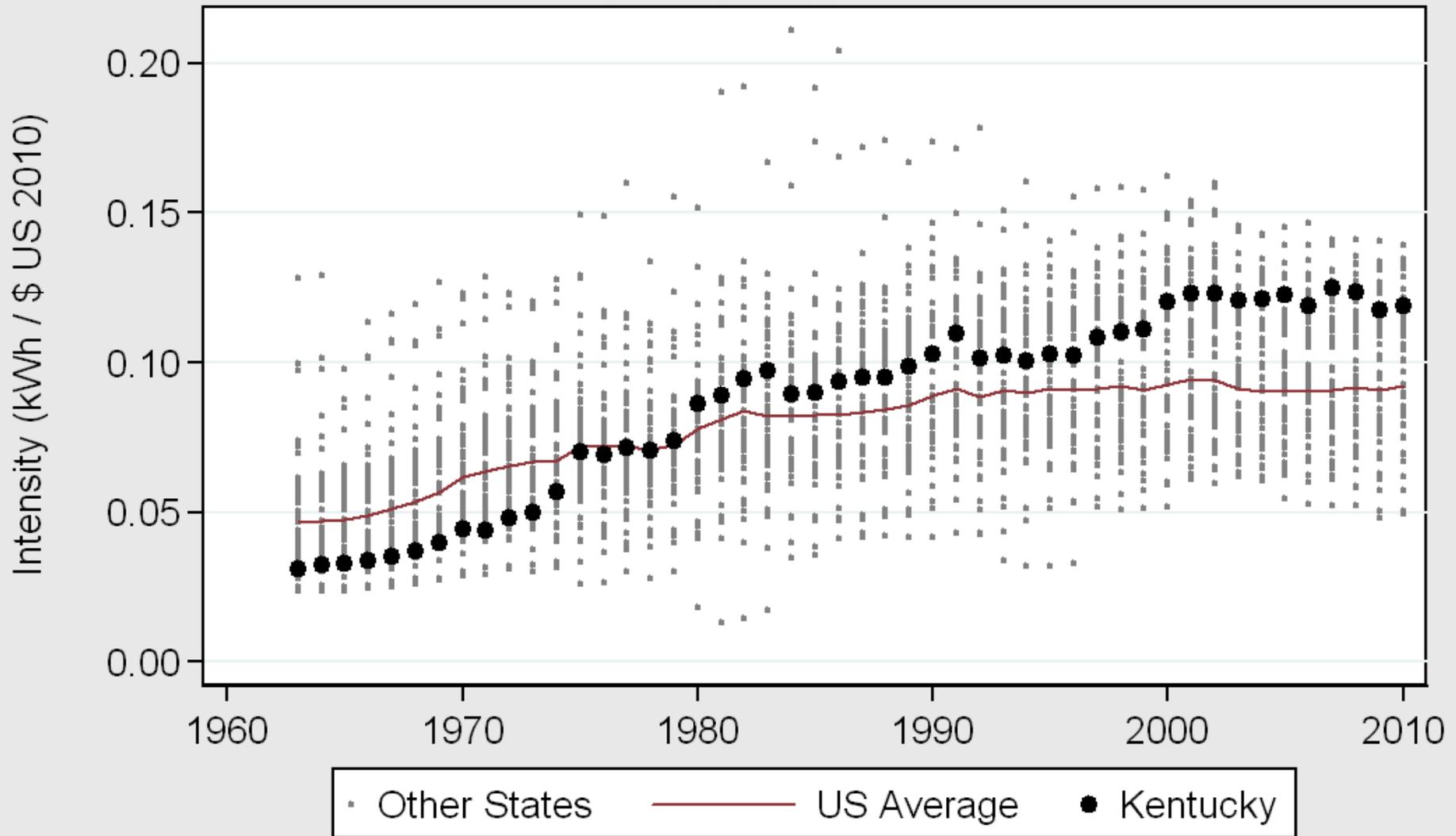
Residential Electricity Use (kWh) per Real State GDP (\$ US 2010)



DEDI Energy Database, 2012 (EIA & BEA)

# Commercial Electricity Consumption per State GDP Dollar, 1963-2010

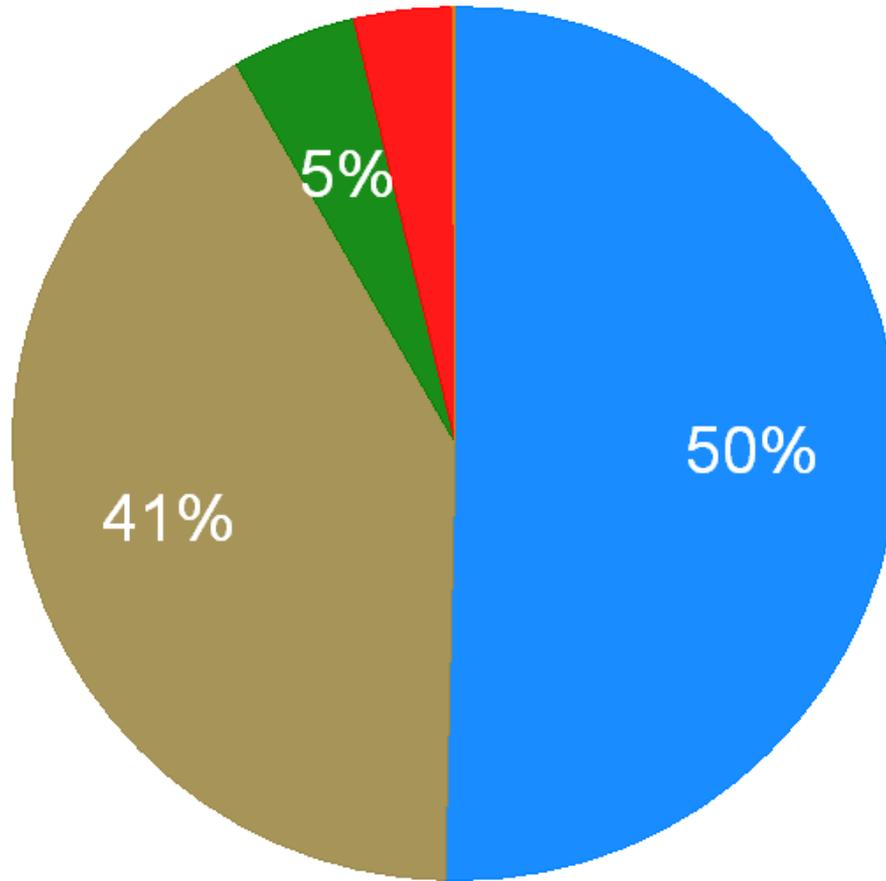
Commercial Electricity Use (kWh) per Real State GDP (\$ US 2010)



DEDI Energy Database, 2012 (EIA & BEA)

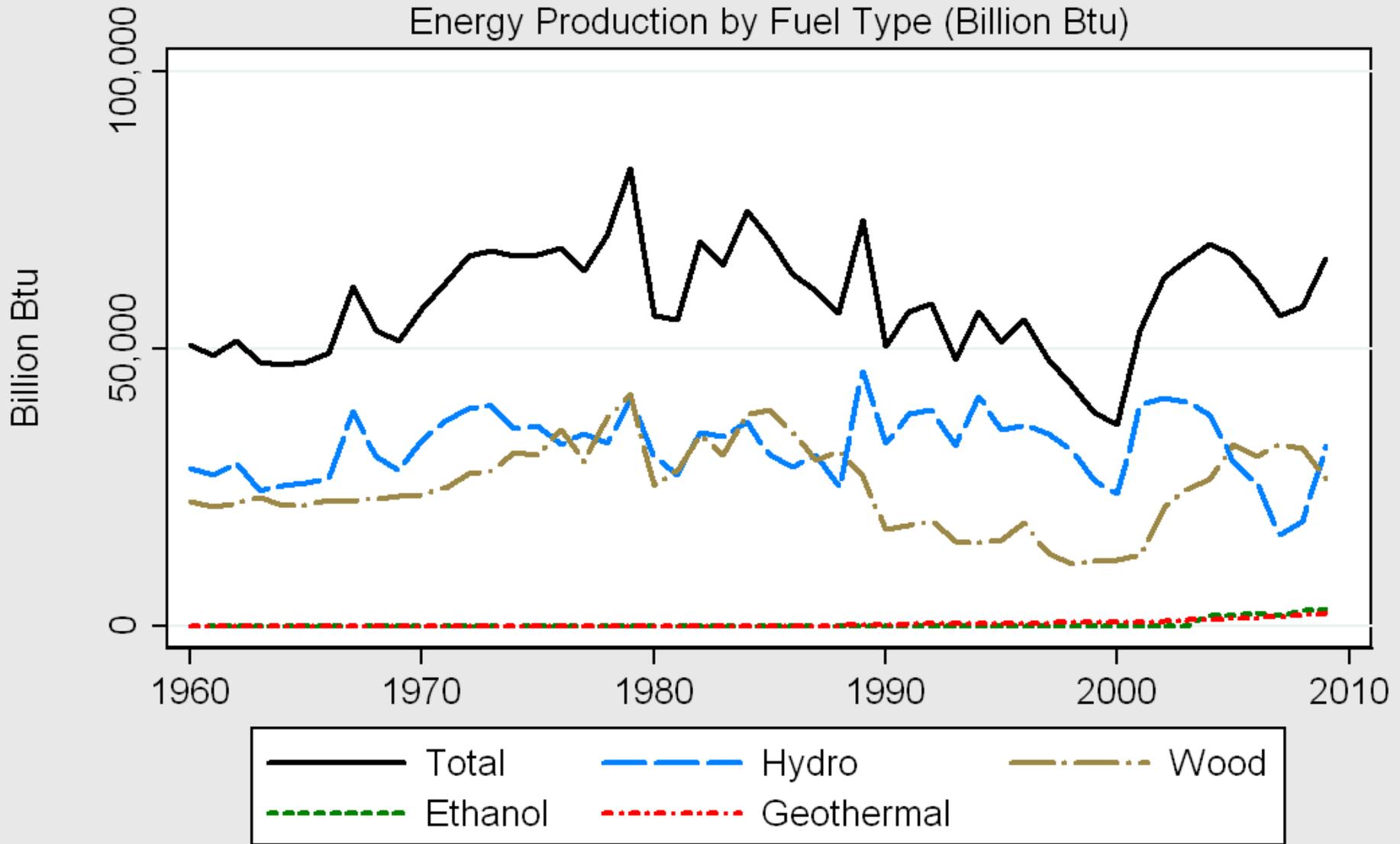
# Kentucky Renewable Energy Production, 2009

Energy Production by Fuel Type (%)



# Kentucky Renewable Energy Production, 1960-2009

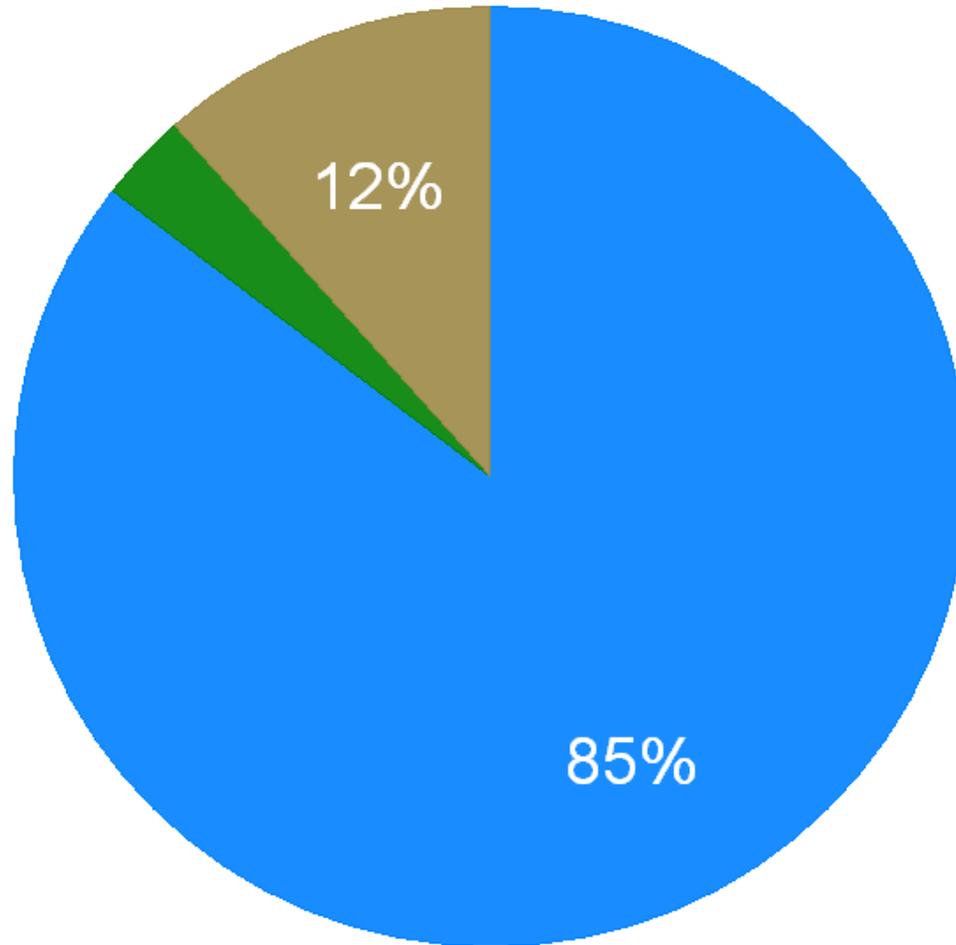
## Energy Production by Fuel Type (Billion Btu)



DEDI Energy Database, 2012 (EIA)

# Kentucky Renewable Electricity Generation, 2010

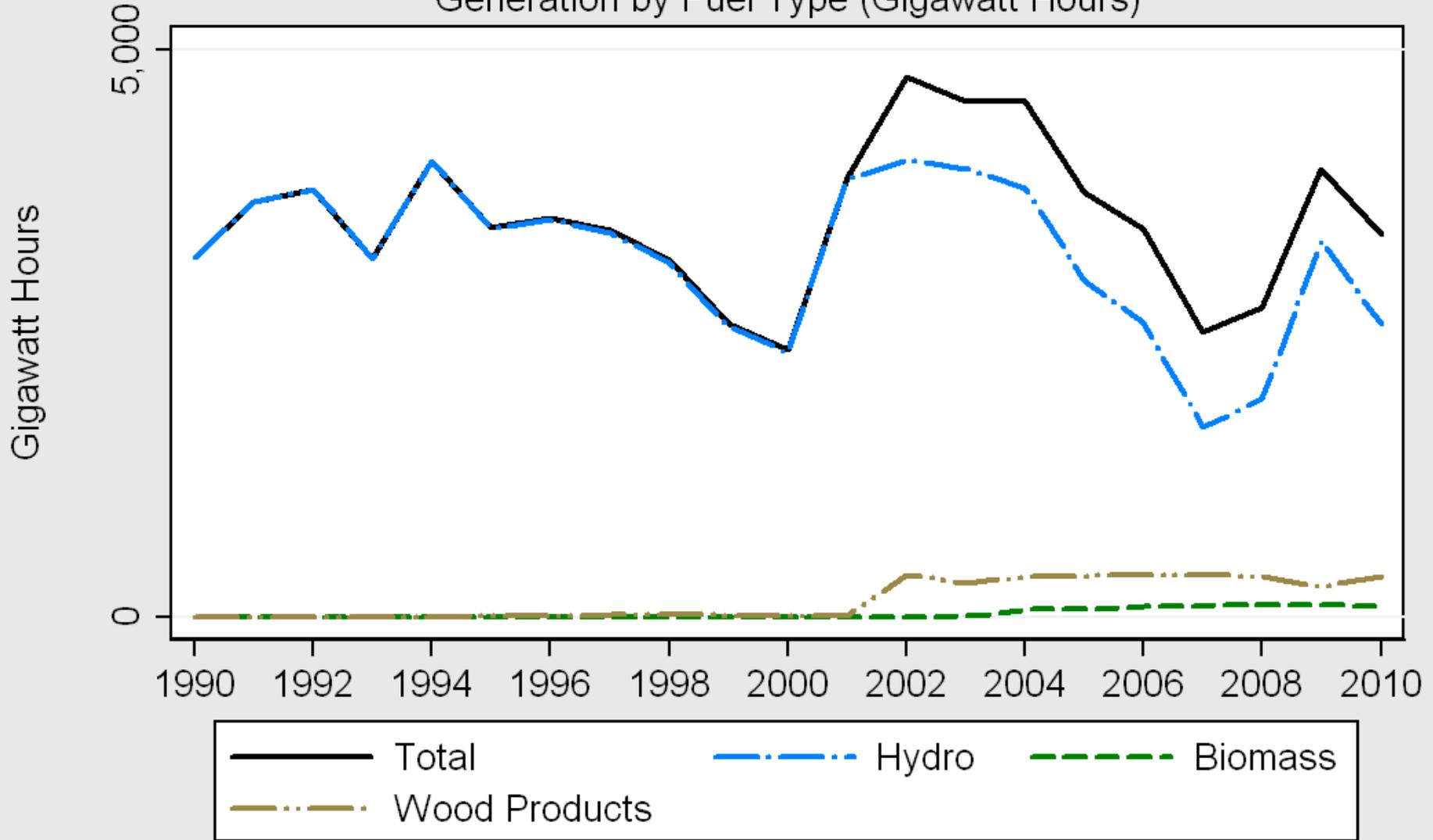
Generation by Fuel Type (%)



Hydro Biomass Wood Products

# Kentucky Renewable Electricity Generation, 1990-2010

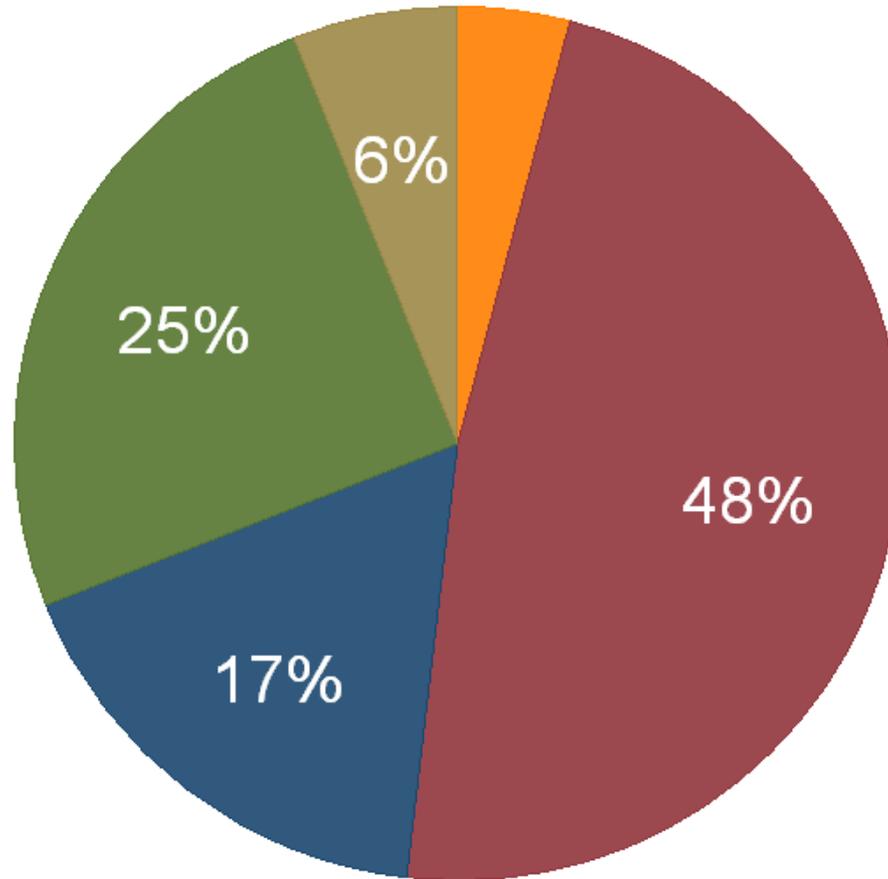
## Generation by Fuel Type (Gigawatt Hours)



DEDI Energy Database, 2012 (EIA)

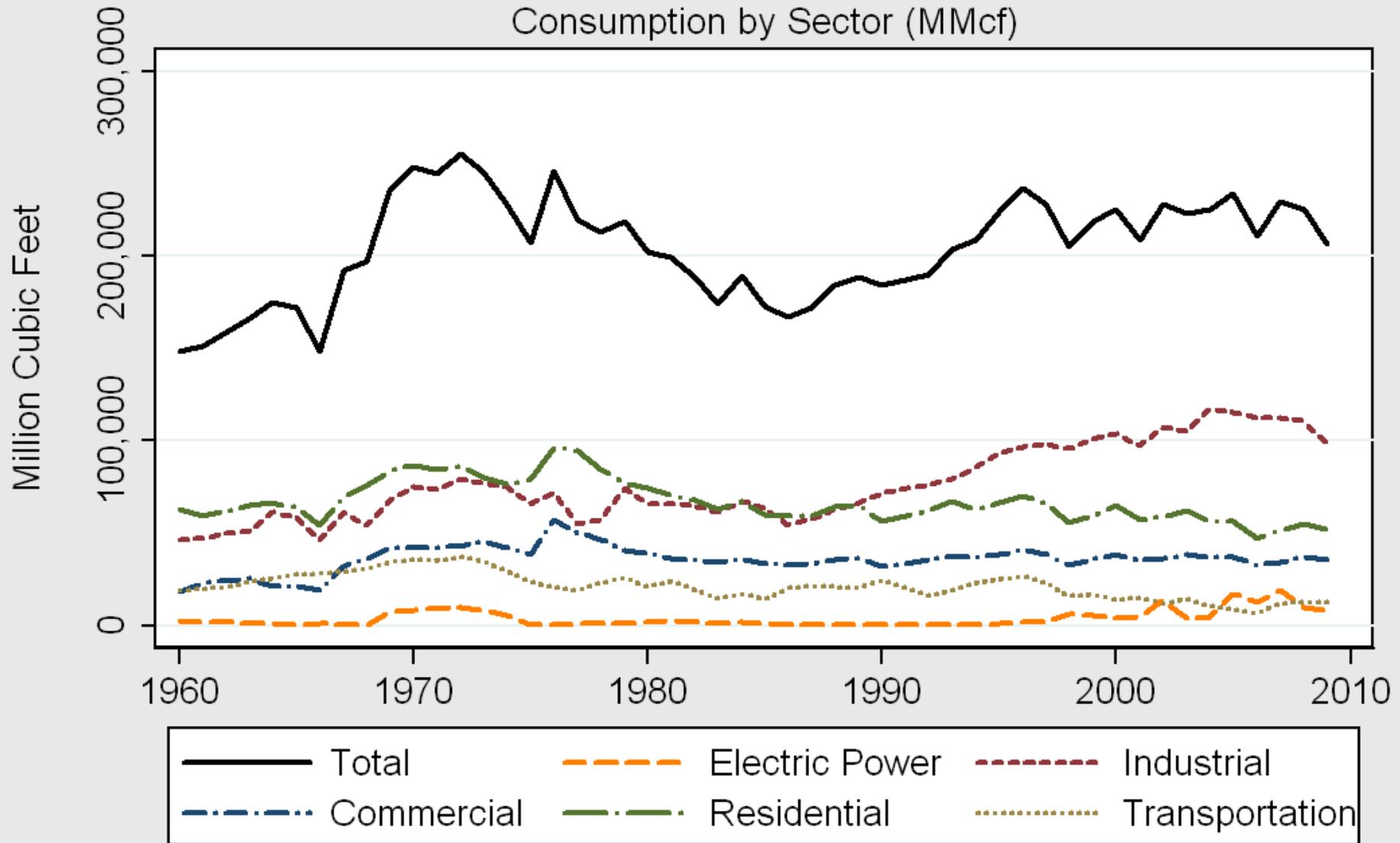
# Kentucky Natural Gas Consumption, 2009

## Consumption by Sector (%)



# Kentucky Natural Gas Consumption, 1960-2009

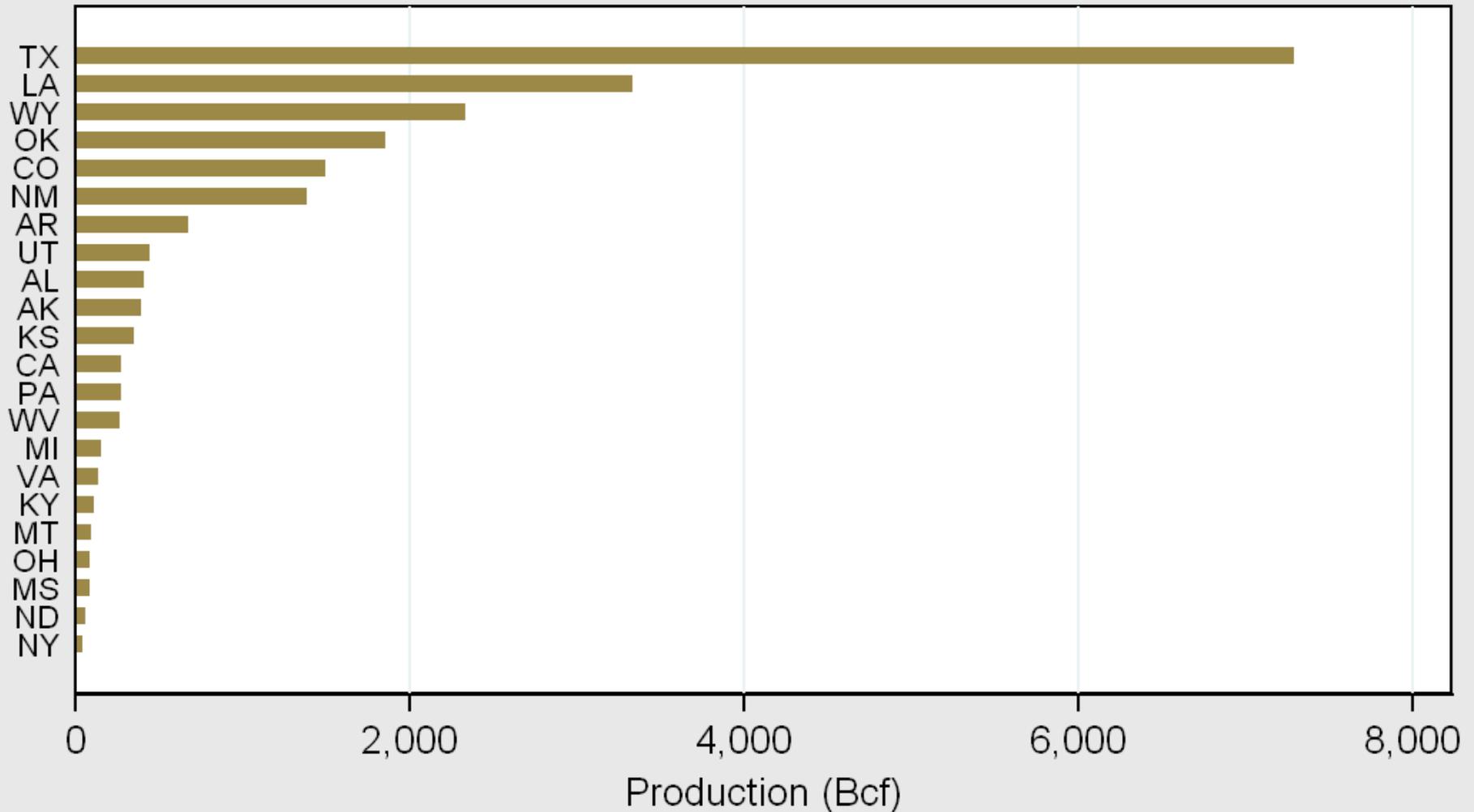
Consumption by Sector (MMcf)



DEDI Energy Database, 2012 (EIA)

# Annual Marketed Natural Gas Production, 2009

All Producing States (Billion Cubic Feet)\*

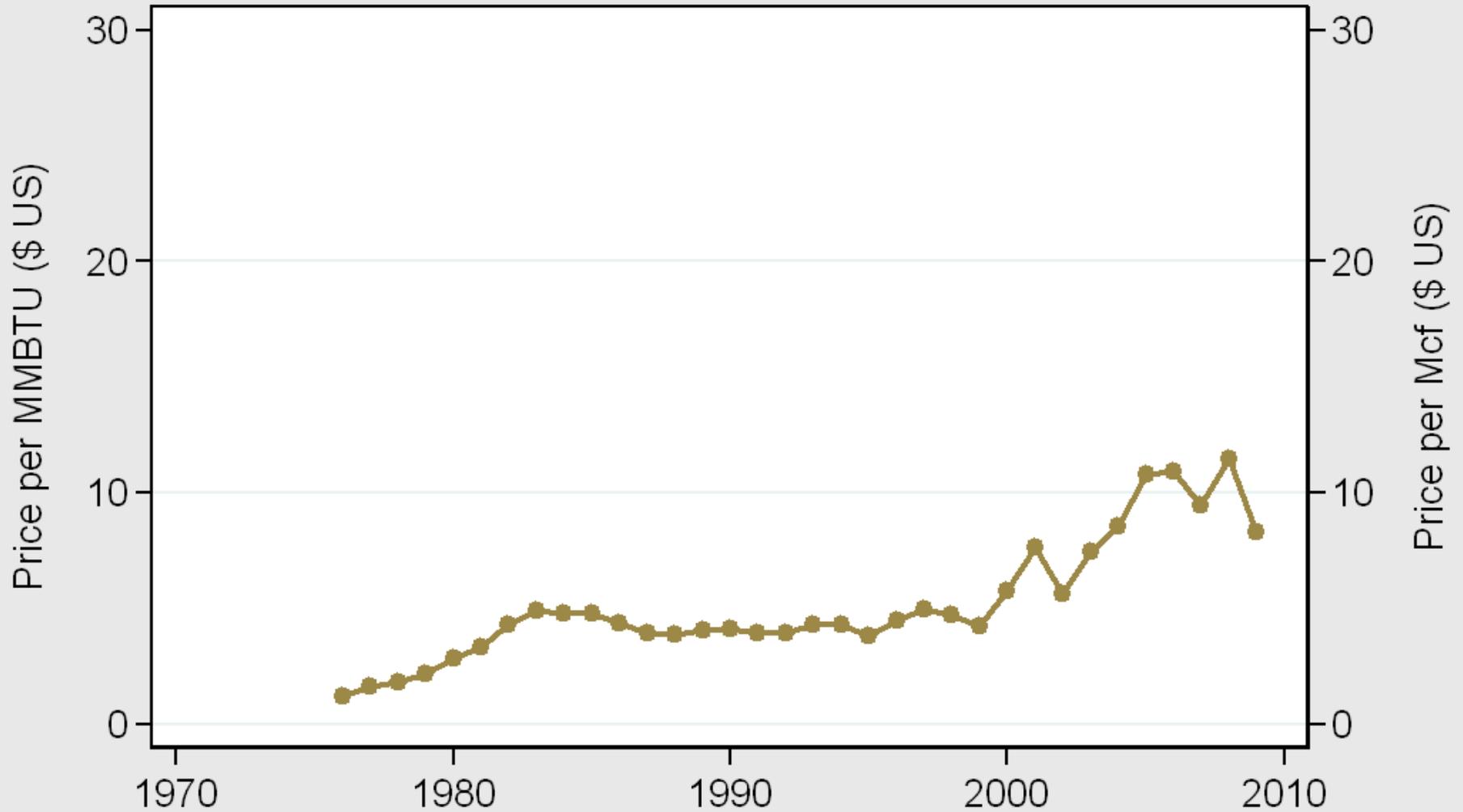


DEDI Energy Database, 2012 (EIA)

\*States with production below 5.5 Bcf not included

# Kentucky Natural Gas Price, 1976-2010

Price per MMBTU\* (\$ US) & Price per Mcf\* (\$ US)

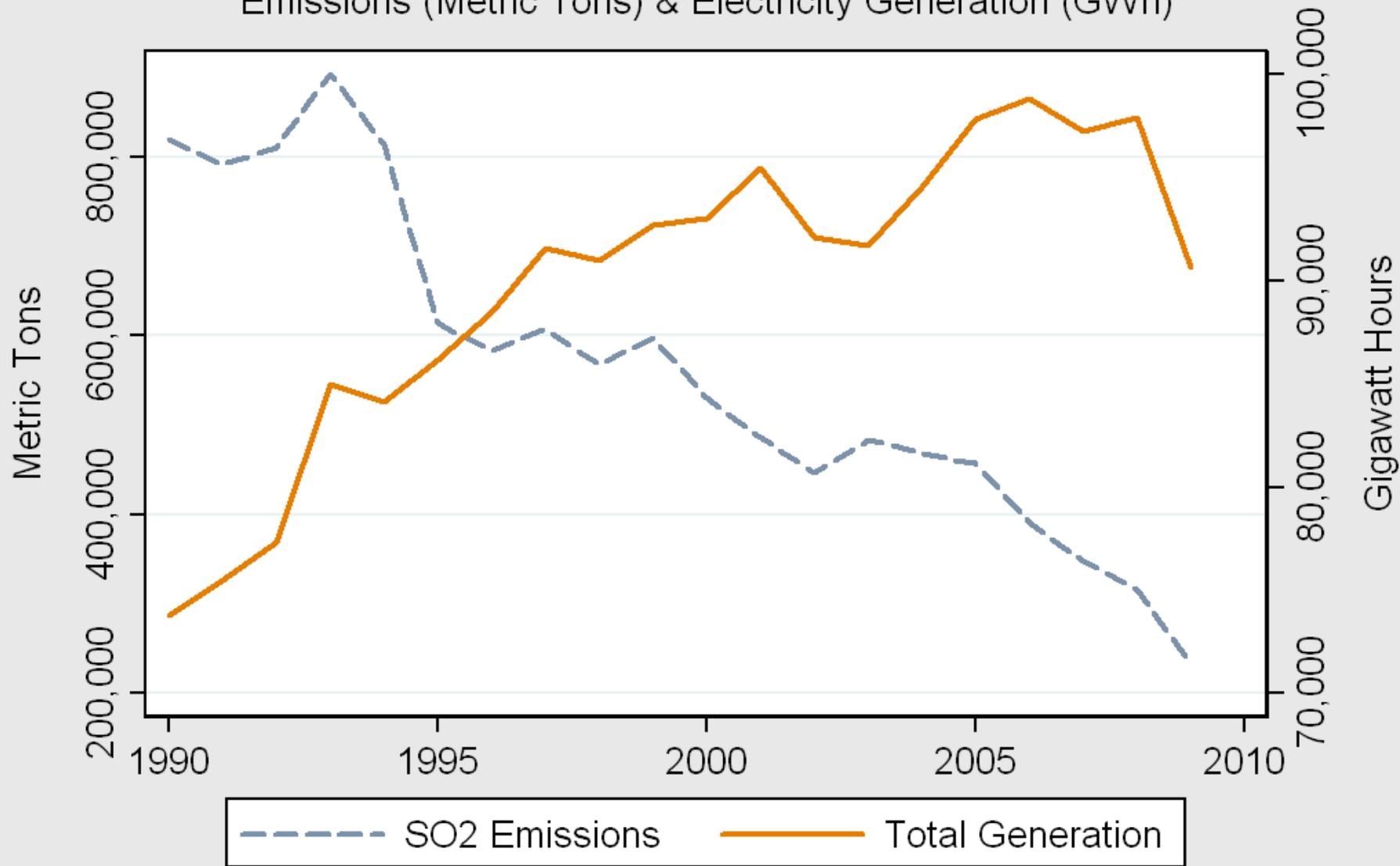


DEDI Energy Database, 2012 (EIA)

\*Value Reflects Average City Gate Price of Natural Gas

# Kentucky SO2 Emissions from Electricity Generation, 1990-2009

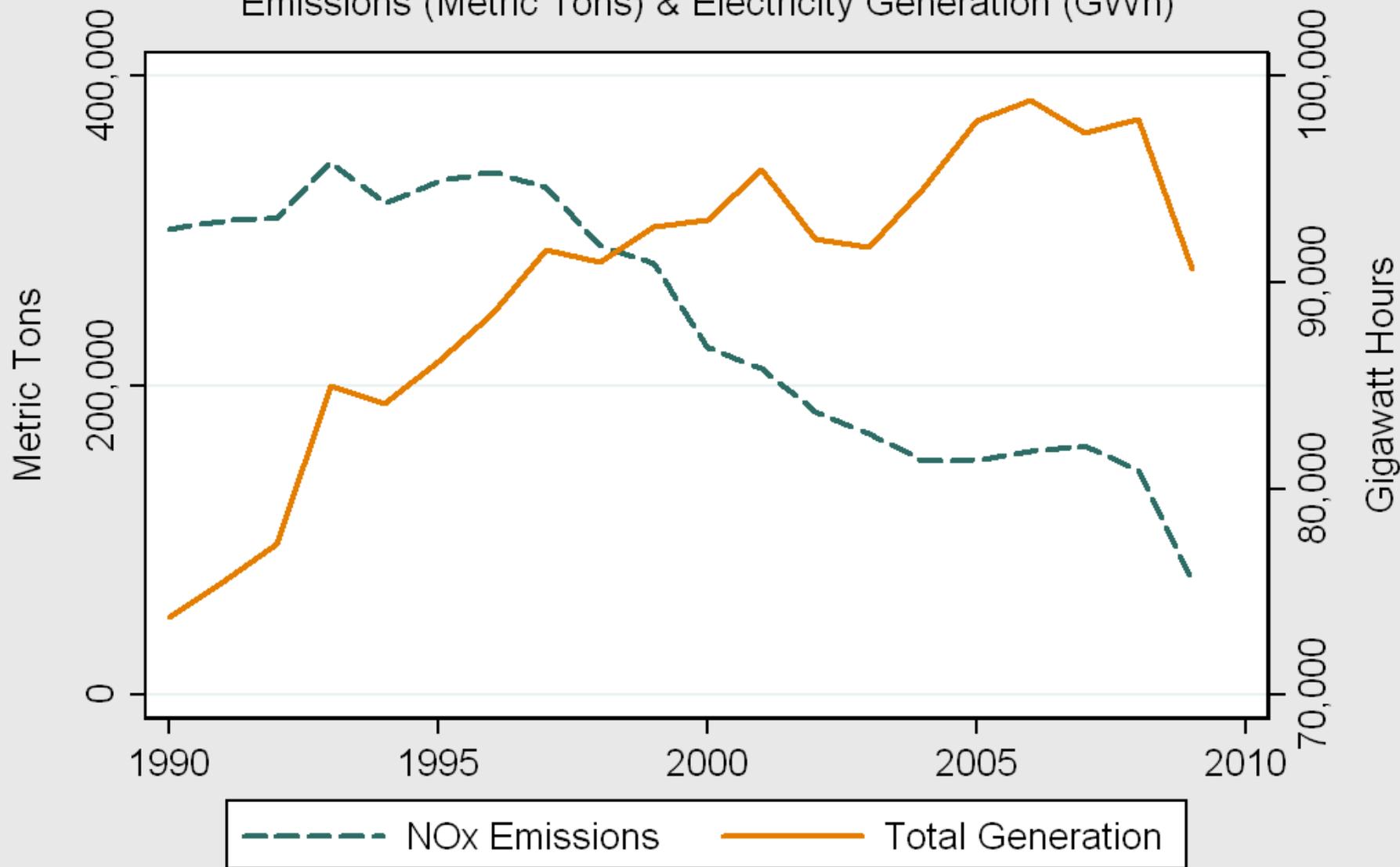
Emissions (Metric Tons) & Electricity Generation (GWh)



DEDI Energy Database, 2012 (EIA & EPA)

# Kentucky NOx Emissions from Electricity Generation, 1990-2009

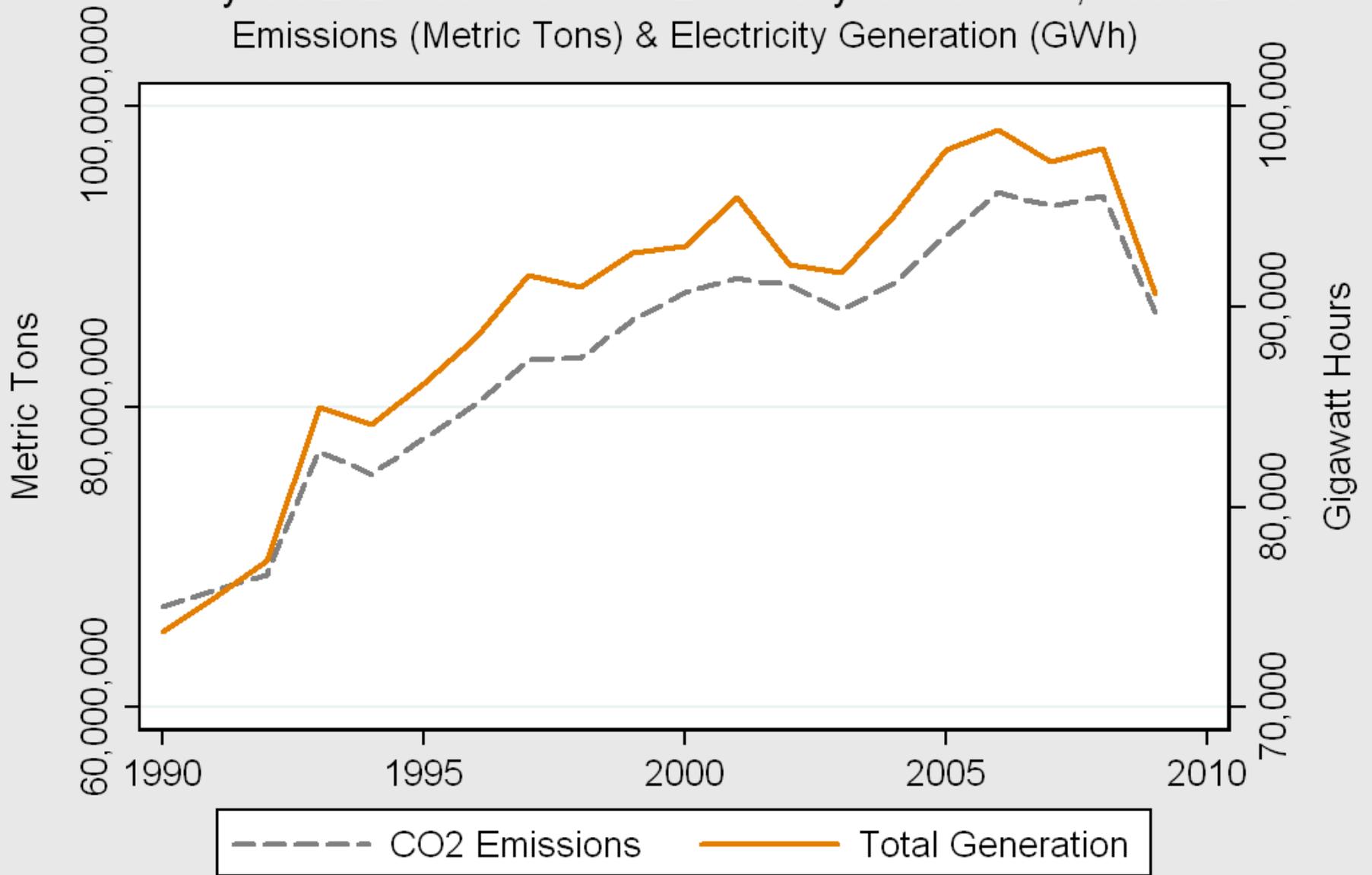
Emissions (Metric Tons) & Electricity Generation (GWh)



DEDI Energy Database, 2012 (EIA & EPA)

# Kentucky CO2 Emissions from Electricity Generation, 1990-2009

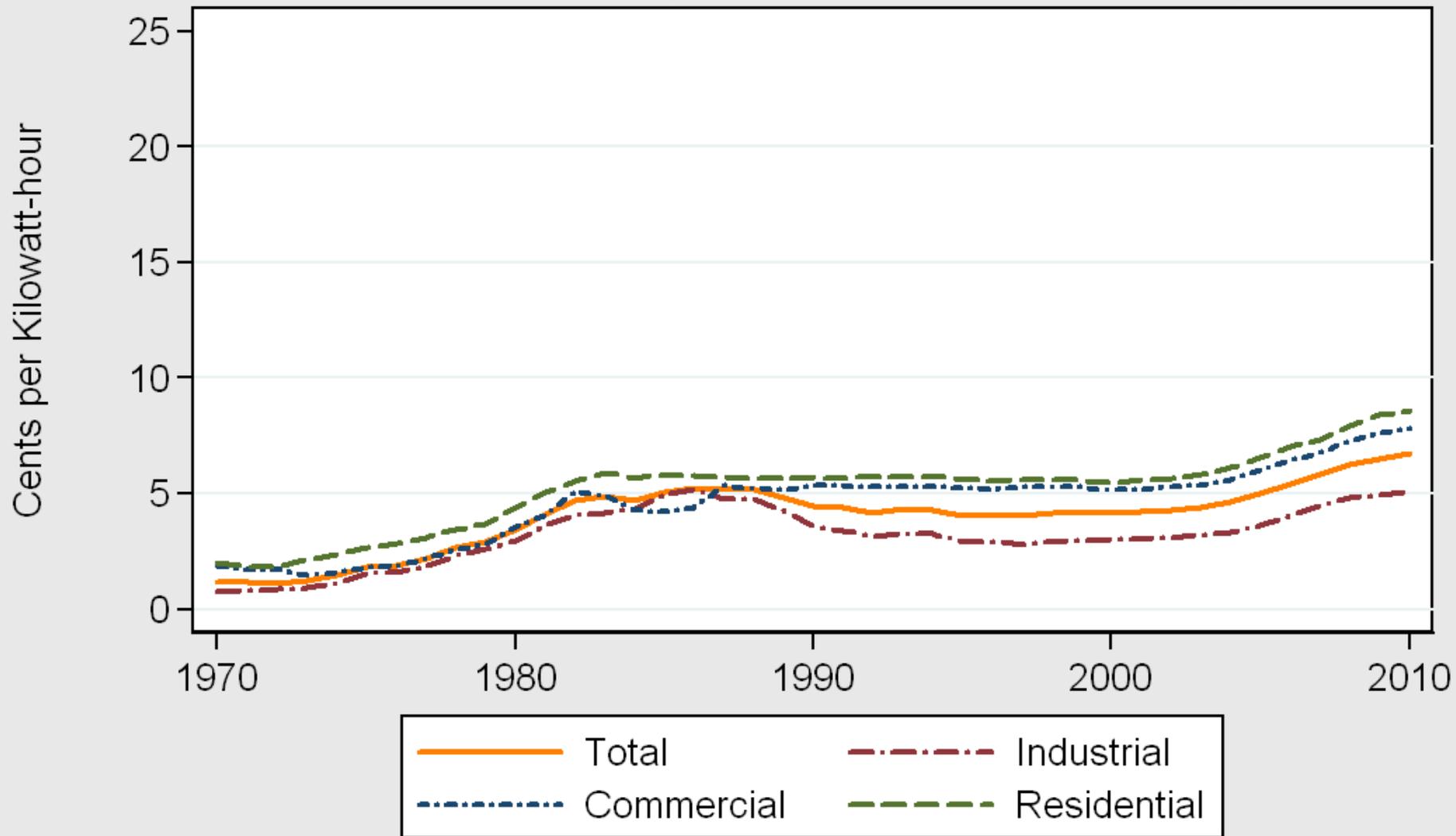
Emissions (Metric Tons) & Electricity Generation (GWh)



DEDI Energy Database, 2012 (EIA & EPA)

# Kentucky Average Electricity Price, 1970-2010

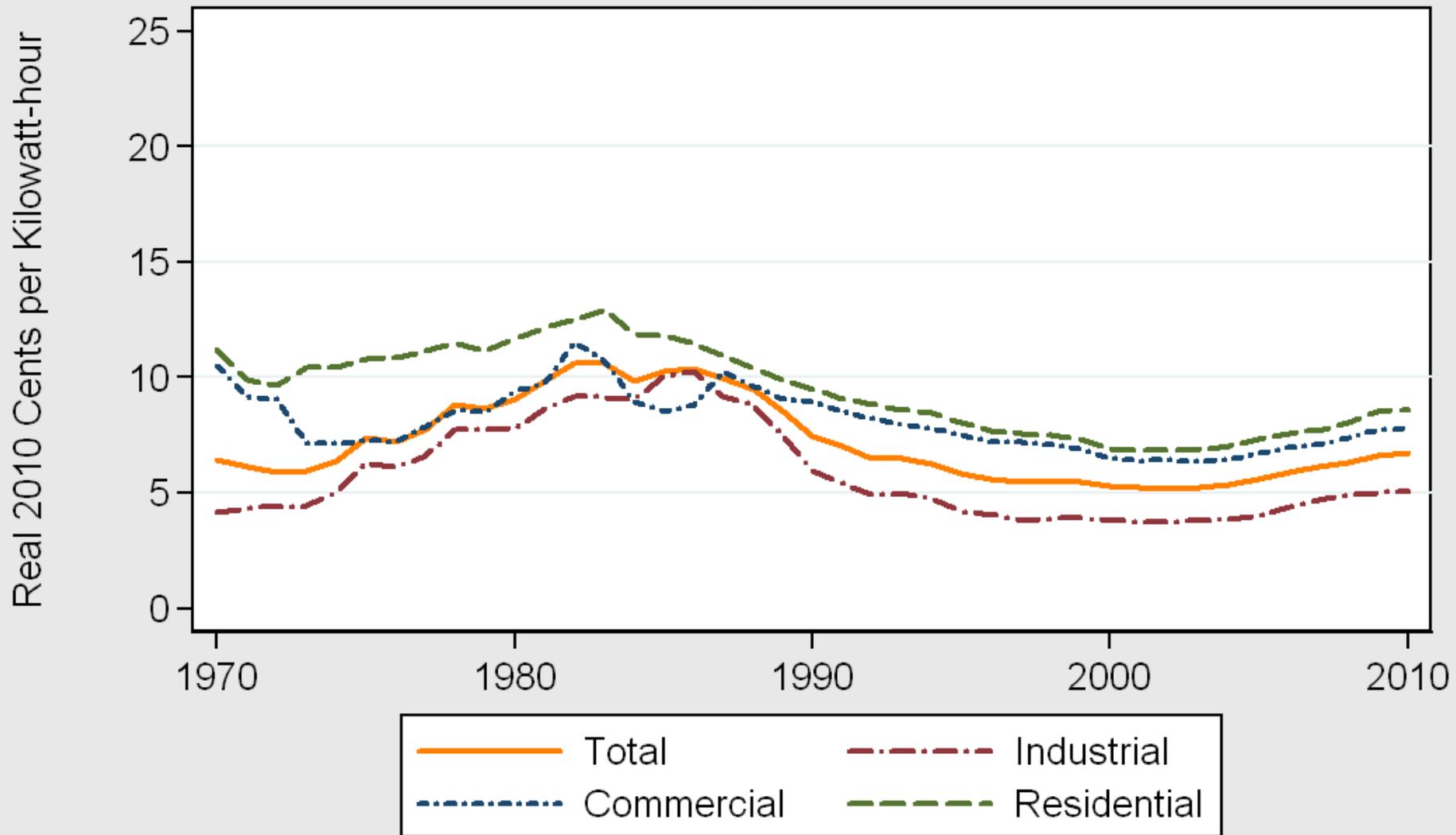
Nominal Prices by Sector (Cents per Kilowatt-hour)



DEDI Energy Database, 2012 (EIA)

# Kentucky Average Electricity Price, 1970-2010

Inflation Adjusted Prices by Sector (Cents per Kilowatt-hour)



DEDI Energy Database, 2012 (EIA)