

# Kentucky Energy & Environment Cabinet

## Department for Energy Development and Independence

Presentation to:

**Louisville Energy Alliance – Kilowatt Crackdown**

March 22, 2017

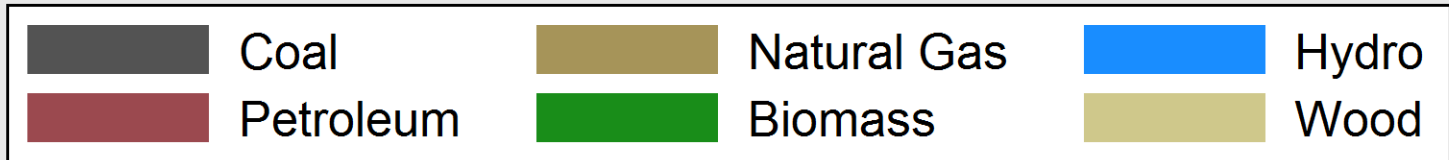
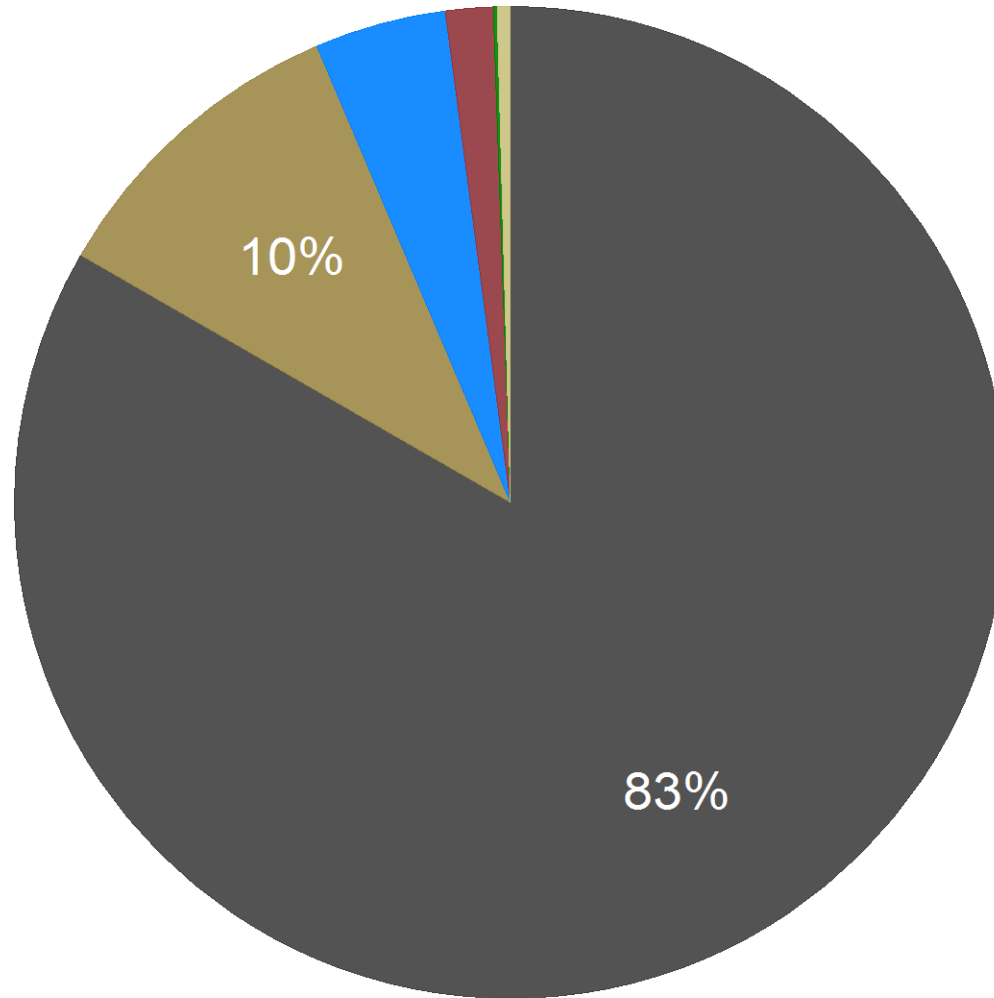
Michael Kennedy, P.E.

Assistant Director

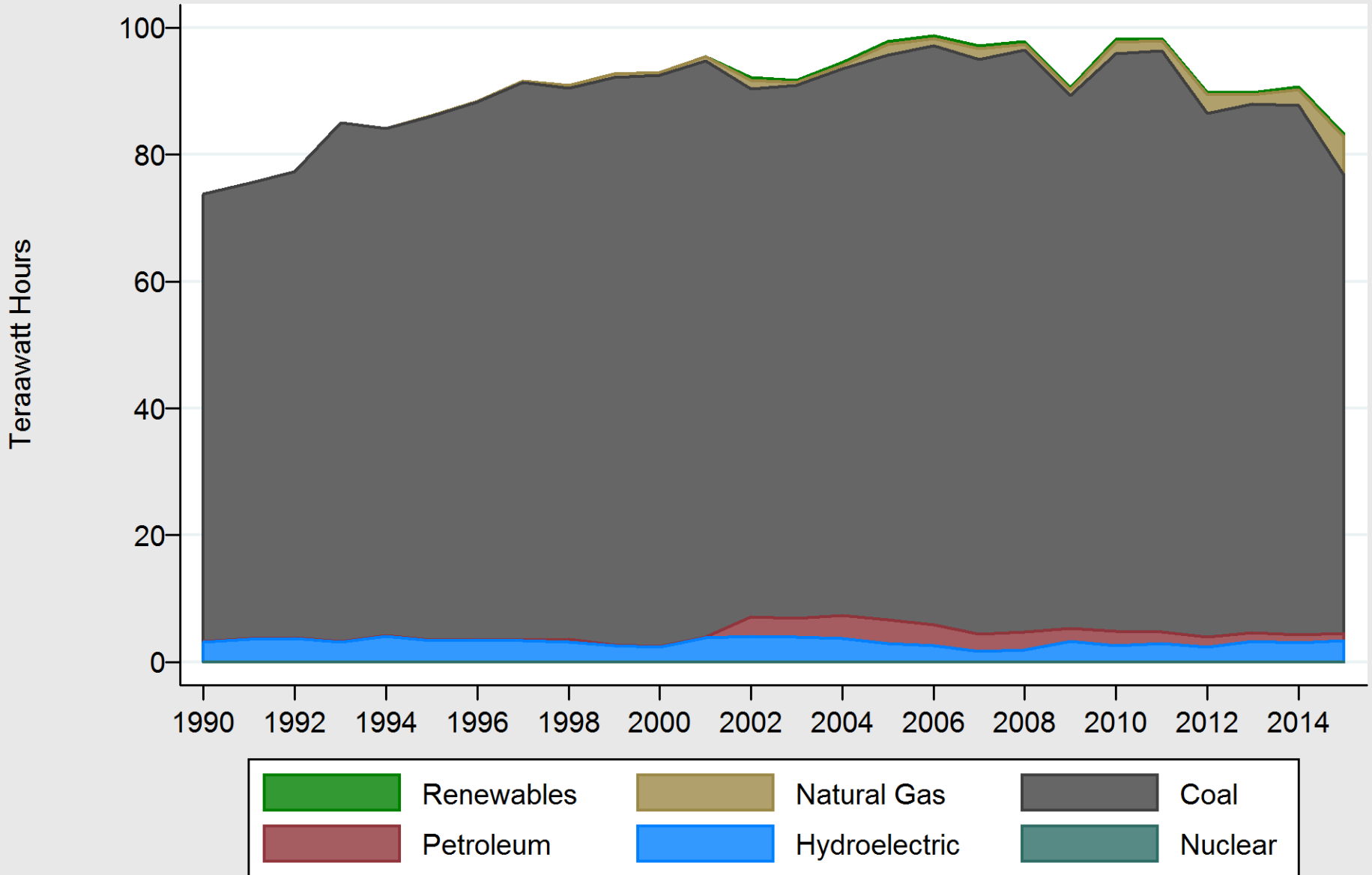
Improve the quality and security of life for all Kentuckians



# Kentucky Electricity Generation by Fuel, 2016

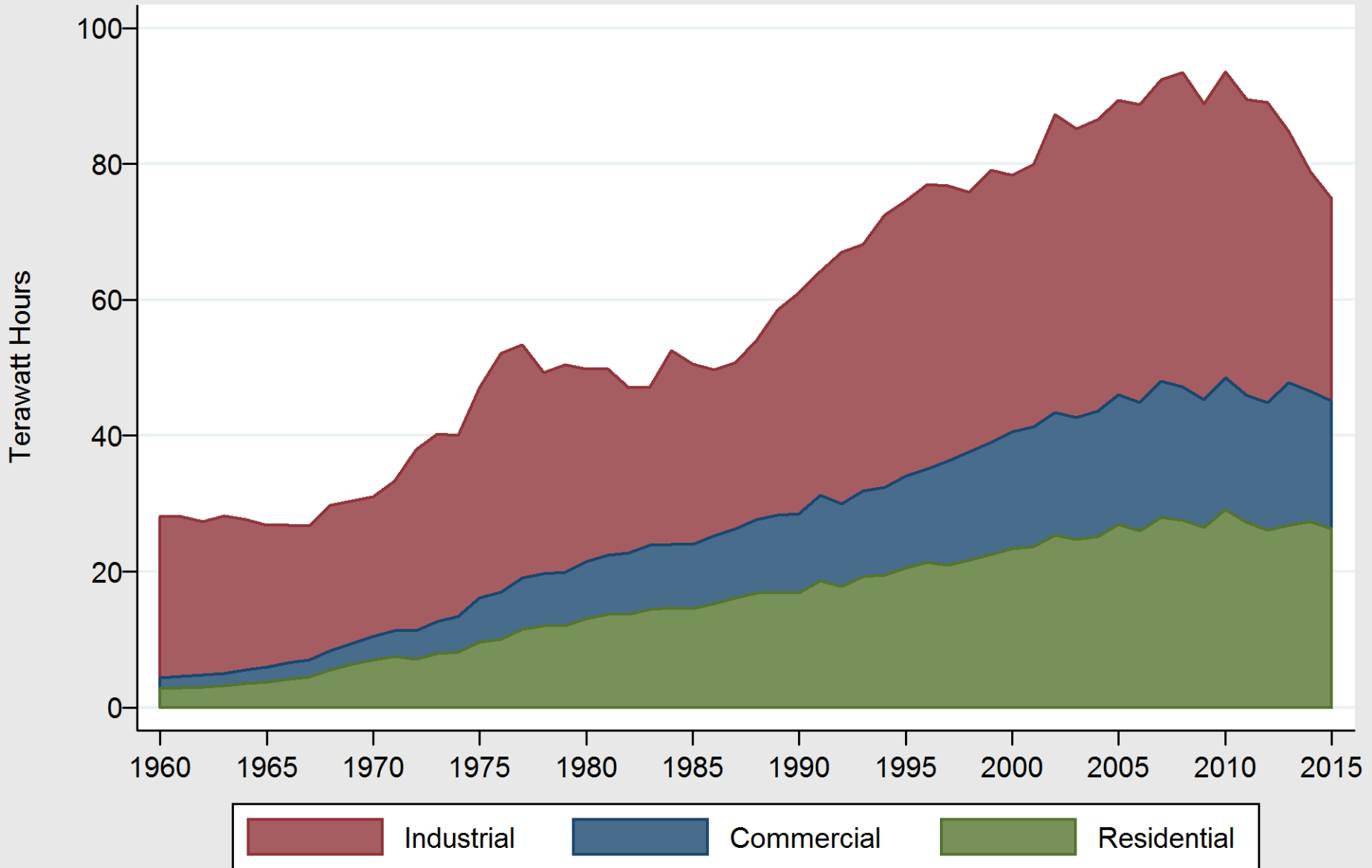


# Kentucky Electricity Generation by Fuel, 1990-2015



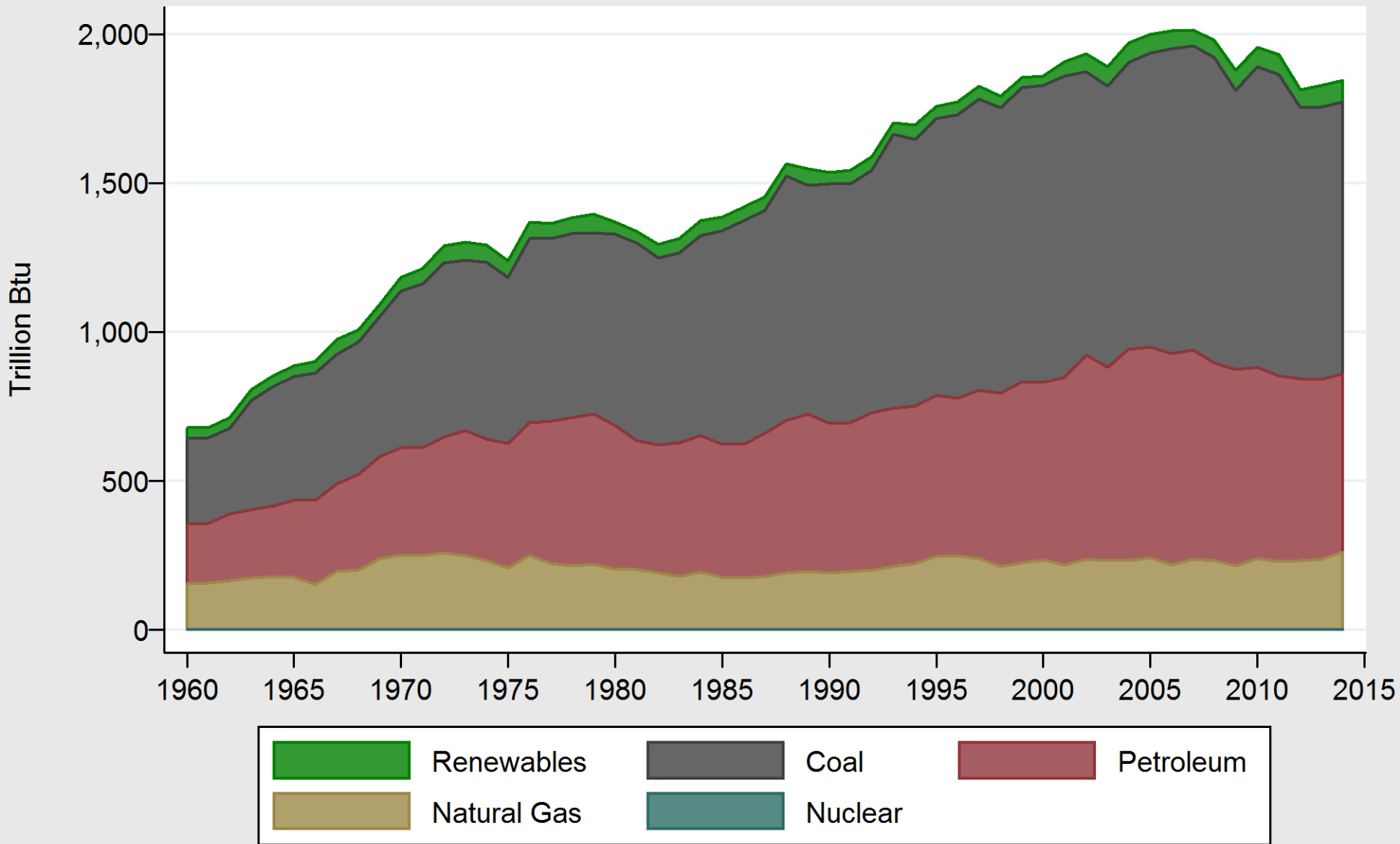
Kentucky Energy Database, EEC-DEDI, 2016

# Kentucky Electricity Consumption by Sector, 1960-2015



Kentucky Energy Database, EEC-DEDI, 2016

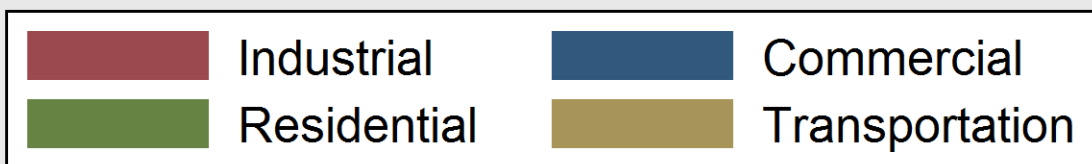
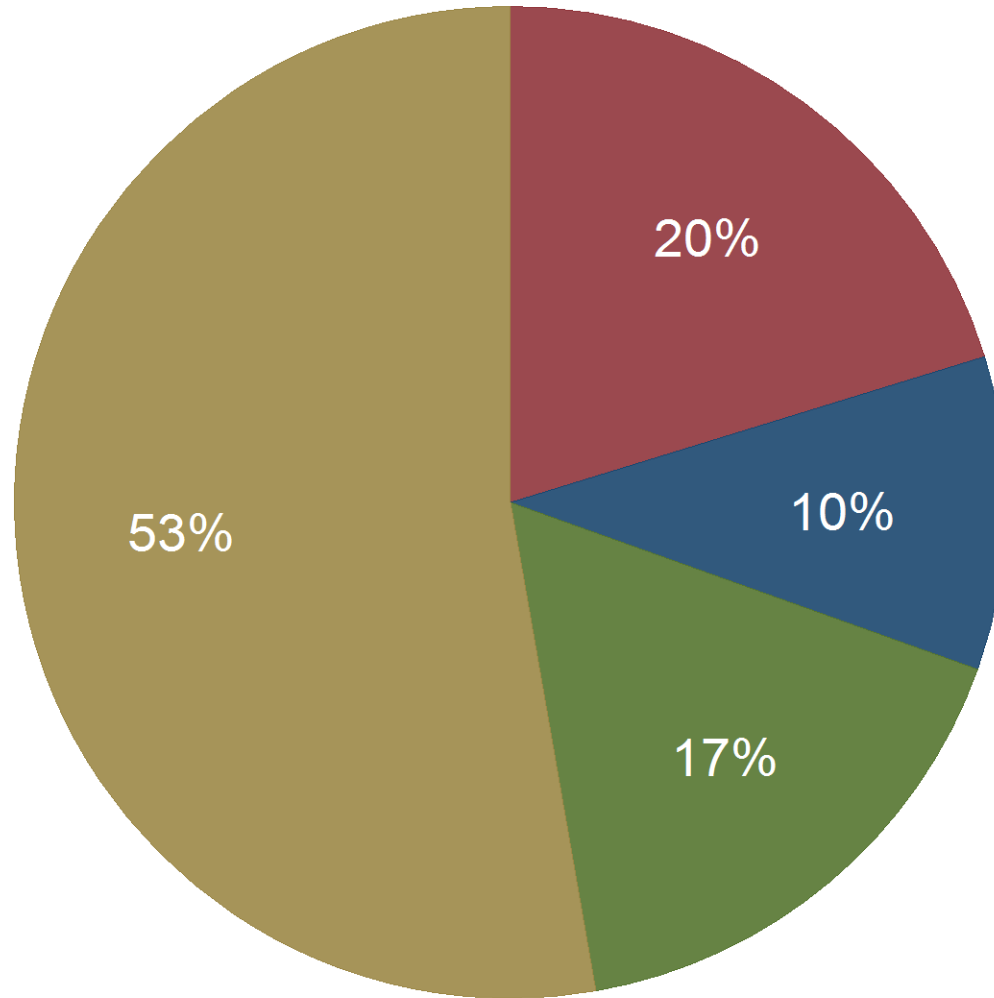
# Kentucky Energy Consumption by Fuel, 1960-2014



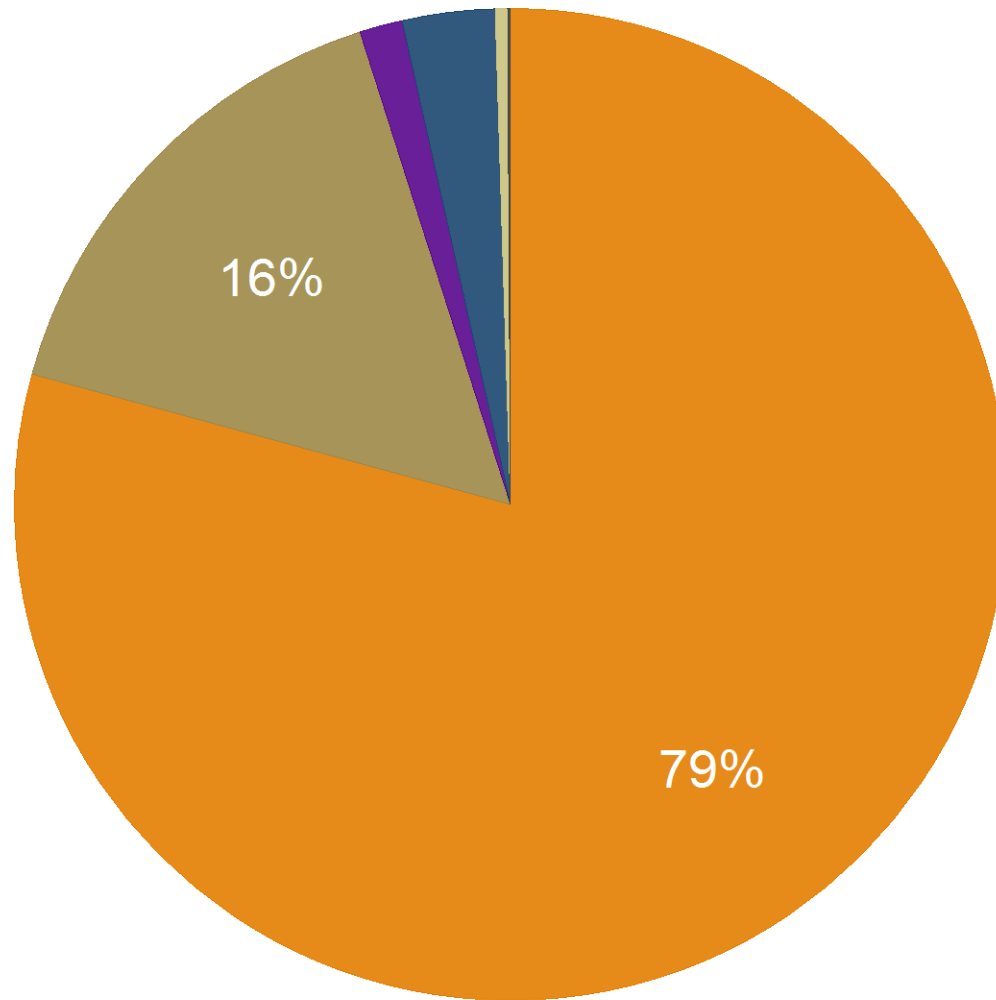
Kentucky Energy Database, EEC-DEDI, 2016

Data Source: EIA-SEDS

# Kentucky Energy Expenditures by Sector, 2014



# Kentucky Commercial Energy Expenditures by Fuel, 2014



# Kilowatt Crackdown

- Energy is a Manageable cost!!!





# Kilowatt Crackdown

Buildings & Plants

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Owners and managers
Service providers
Program administrators
Tenants
Tools and Resources
Training

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Existing buildings
Commercial new construction
Industrial energy management
Small business
Congregations

IN THIS SECTION

- [Learn the benefits](#)
- [Get started](#)
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  - The benchmarking starter kit
  - Identify your property type
  - Enter data into Portfolio Manager
  - Get help accessing your utility data
  - The data quality checker
  - How Portfolio Manager calculates metrics
  - Interpret your results
  - Verify and document your savings
  - Share and request data
  - Updates to ENERGY STAR scores with CBECs data
  - Track waste and materials
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The most-used energy measurement and tracking tool for commercial buildings.


## Use Portfolio Manager

You've heard it before: you can't manage what you don't measure. That's why EPA created ENERGY STAR Portfolio Manager®, an online tool you can use to measure and track energy and water consumption, as well as greenhouse gas emissions. Use it to benchmark the performance of one building or a whole portfolio of buildings, all in a secure online environment.

### Not sure if Portfolio Manager is for you? It is!


You can use Portfolio Manager to manage the energy and water use of any building. Seriously. Any building. K-12 school? Check. Office building? Check. Stadium? Check. We could keep going. All you need are your energy bills and some basic information about your building to get started.

Are you designing a new commercial building? You can also use Portfolio Manager to set your energy use target and see how your estimated design energy stacks up against similar existing buildings nationwide.



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EPA's online energy management and tracking tool enables you to measure and track the energy and water performance of any building over time. [Register now](#)


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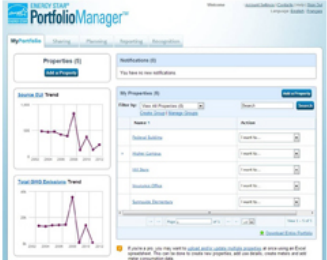
username

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PORTFOLIO MANAGER DATA COLLECTION WORKSHEET

 Easily see what information is required for your property and create a PDF or Word worksheet to help collect the data.

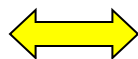
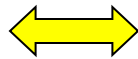
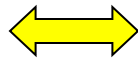
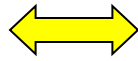


# Kilowatt Crackdown

## Energy Conservation

- Turn off the lights
- Lower winter thermostat + sweater
- Drive less/slower
- Unplug appliances

*Behavior*



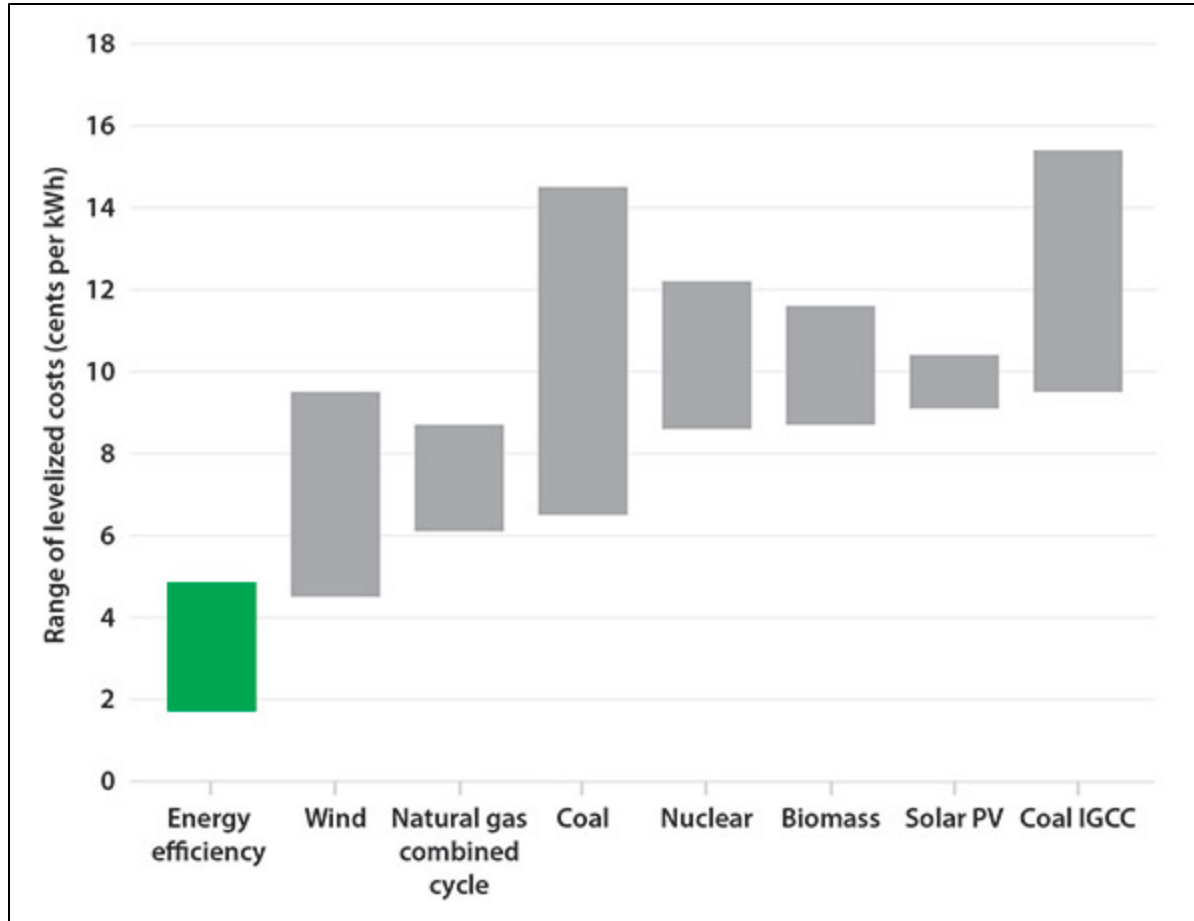
## Energy Efficiency

- LEDs
- Tighter building envelope
- Hybrid cars
- ENERGY STAR appliance

*Technology/design*

*Both are important!*

# Kilowatt Crackdown



# Questions?

Thank you!!!

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