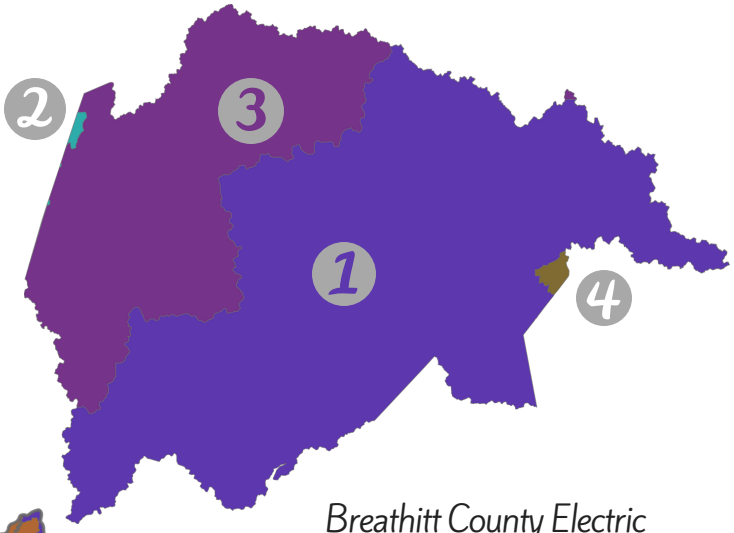
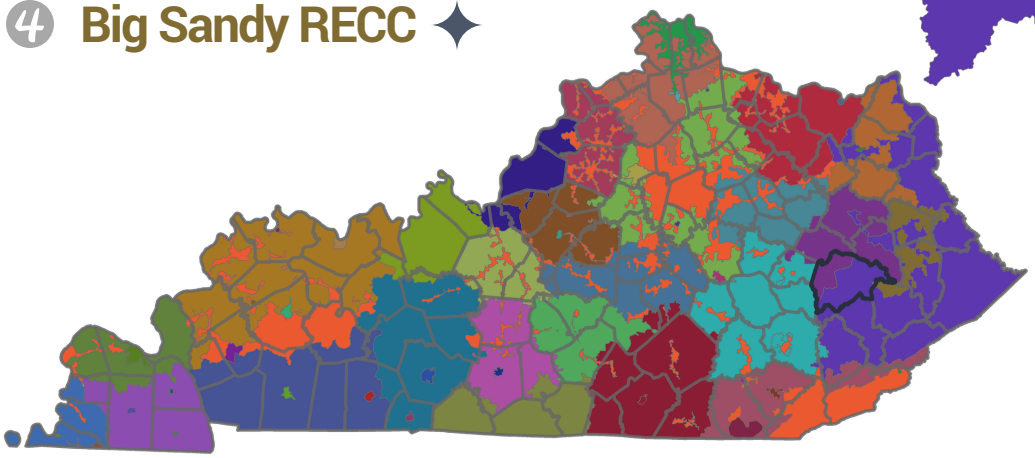
Breathitt County

4 utilities:

1. Kentucky Power
2. Jackson Energy Cooperative
3. Licking Valley RECC
4. Big Sandy RECC



Breathitt County Electric Service Areas



Map of Kentucky Electric Service Areas

DID YOU KNOW?

By state-law, utilities are guaranteed a monopoly in their service territory. Most, but not all, are regulated by the Public Service Commission (PSC).

Residential Rate Comparison

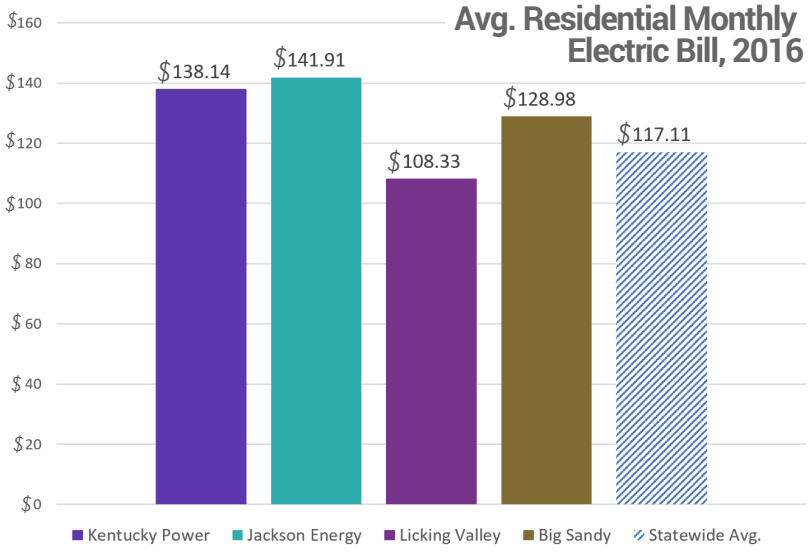
	1	2	3	4
Base Fee*	$14.00	$16.44	$14.00	$15.00
Energy Charge**	¢9.66	¢9.85	¢9.45	¢8.90

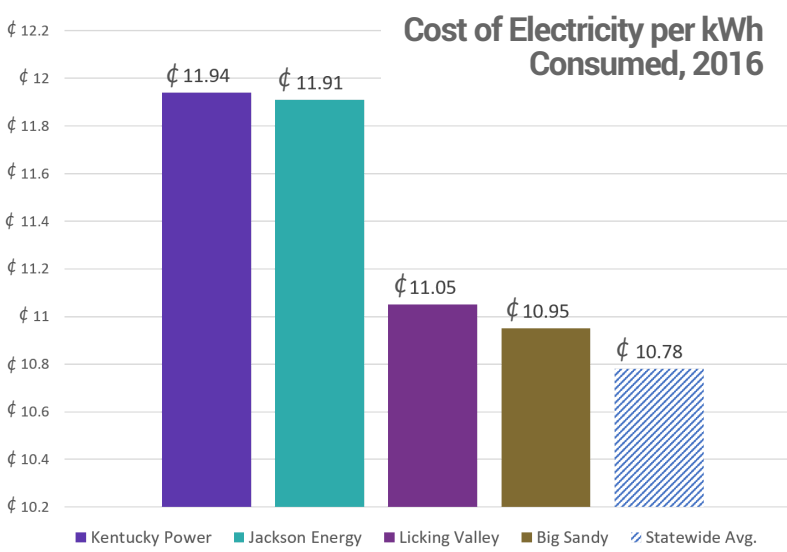
*base fee - cost/month no matter how much energy actually used
**energy charge - cost/kWh based on how much energy used per month

UTILITY TYPE:

Rural Electric Cooperative Corporations (RECCs) are non-profits and consumer-owned, run by democratically-elected boards. KY has 24 distribution co-ops that serve 35% of state residents.

Investor-owned utilities (IOUs) are for-profit businesses. There are 4 IOUs in KY.





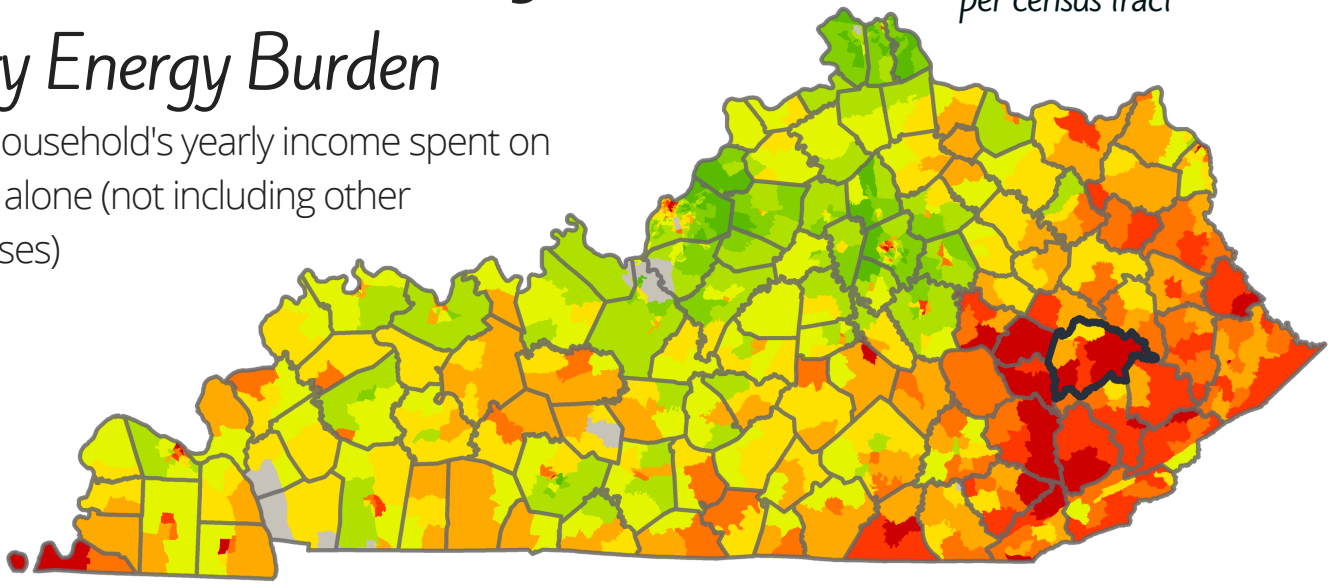
NOTE: for data sources and analytic methods, see Pages 4-5

Breathitt County

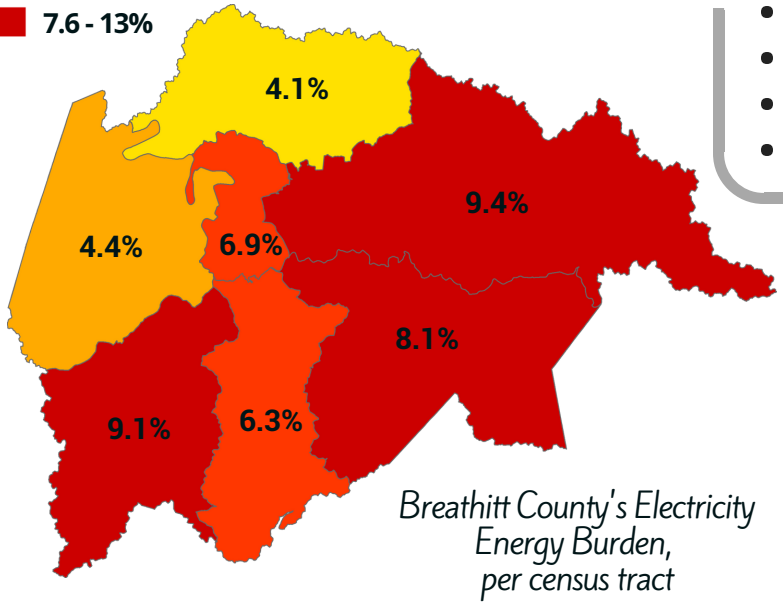
Electricity Energy Burden

Percent of a household's yearly income spent on electricity bills alone (not including other energy expenses)

KY's Electricity Energy Burden, per census tract



- No Data
- 0 - 1.6%
- 1.6 - 2.3%
- 2.3 - 3%
- 3 - 3.5%
- 3.5 - 4.2%
- 4.2 - 5%
- 5 - 6%
- 6 - 7.6%
- 7.6 - 13%



Breathitt County's Electricity Energy Burden, per census tract

Factors affecting energy burden:

- Household income
- Energy efficiency of the home
- Electricity usage patterns
- Electricity rates and electric bills

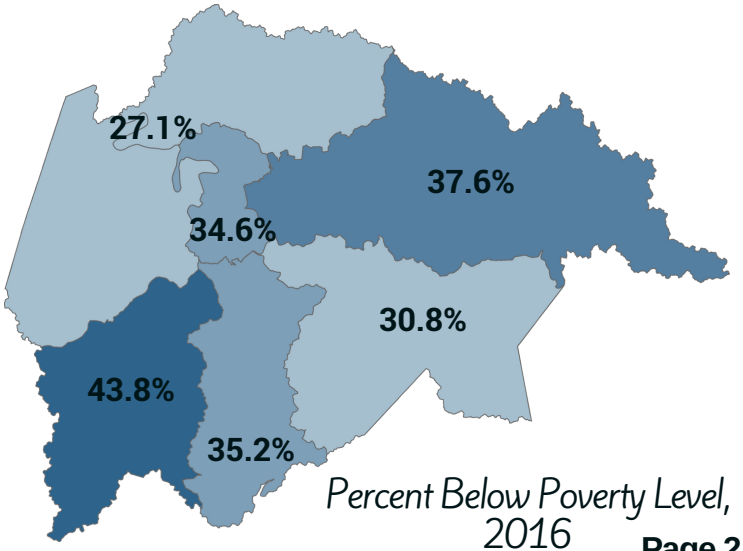
DID YOU KNOW?

"Electricity Energy Burden" describes how large a bite electricity bills take, on average, from an area's median household income. The actual burden experienced by a household may be higher or lower than the local average, depending on income and energy use. For very low-income households in KY, electricity bills may be as high as 23% of annual income.*

*see Pages 4-5 for reference

ENERGY EFFICIENCY & ON-BILL FINANCING

Some KY utilities pay for energy efficiency upgrades in their customers' properties. Participating customers save money and pay a charge on their monthly bill for these upgrades until the utility's costs are recovered over time. This is called *on-bill financing*. Only 6 of KY's more than 50 utilities offer this program. Licking Valley RECC, Big Sandy RECC, & Jackson Energy Cooperative offer on-bill financing.

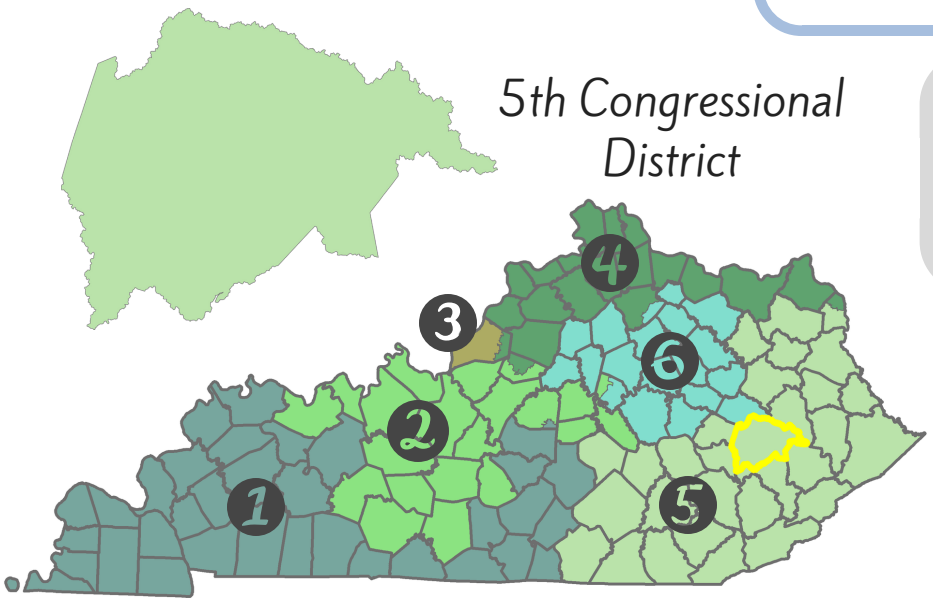


Percent Below Poverty Level, 2016

NOTE: for data sources and analytic methods, see Pages 4-5

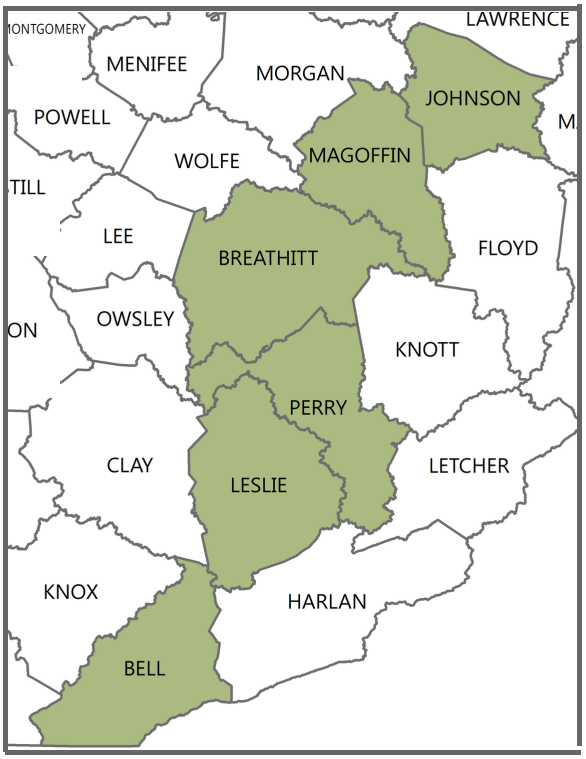
Breathitt County

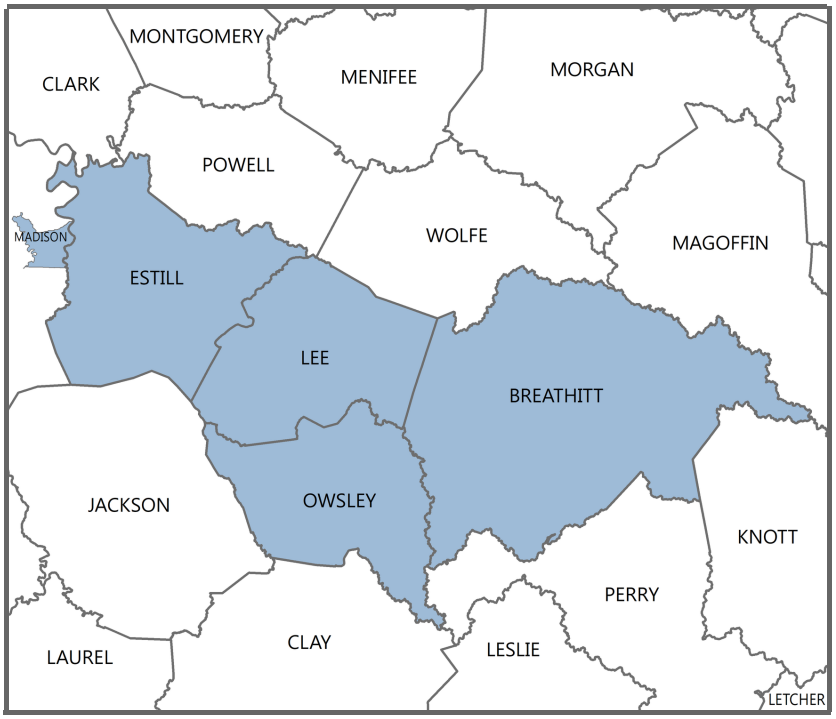
Party Registration Numbers:
88% Democrat 9% Republican 3% Other



DISTRICT 5 U.S. REPRESENTATIVE

CURRENT REP:	Hal Rogers (R)
CANDIDATES:	Hal Rogers (R) Kenneth Stepp (D)



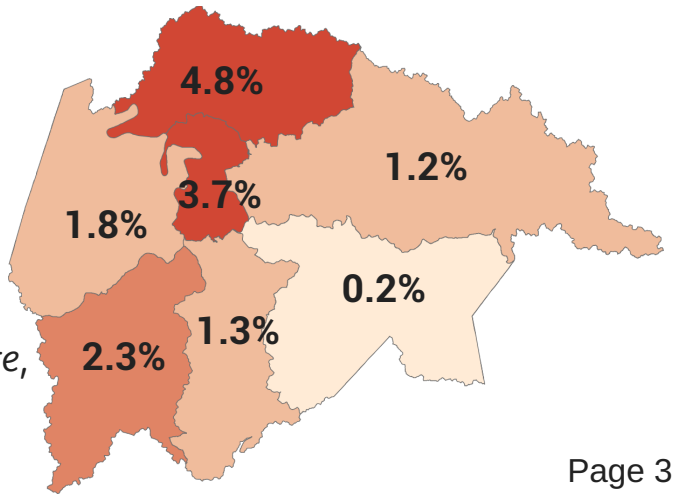


DISTRICT 30 STATE SENATOR

CURRENT REP:	Brandon Smith (R)
CANDIDATES:	Brandon Smith (R) Paula Clemons-Combs (D)

DISTRICT 91 STATE REPRESENTATIVE

CURRENT SENATOR:	Toby Herald (R)
CANDIDATES:	Toby Herald (R) Cluster Howard (D)



Percent Non-White, 2016

NOTE: for data sources and analytic methods, see Pages 4-5

DATA SOURCES & METHODS

Data	*Description*	*Source*
Utility-specific base fee	Cost that residential customer is billed per month no matter how much energy is actually used. Some companies' base fee is calculated differently. For example, the fee may fluctuate throughout the year or the company may charge a flat fee for a certain number of kWh used. If either of these is applicable to the company, it is noted on the County Profile page.	Base fees and energy charges obtained via utility company websites or by calling/emailing if information unavailable via website.
Utility-specific energy charge	Cost per kWh that the residential customer is charged per month based on how much energy they actually used. Some companies' energy charge is calculated differently. For example, there may be a daily charge or options for a standard rate or time-of-use rate. If a utility adheres to a unique rate system, it is noted on the County Profile page.	
Avg. Residential Monthly Electric Bill	Calculated by dividing a utility company's reported 2016 total residential revenue by the number of customers	U.S. Energy Information Administration (EIA), Form 861 (utility-reported sales and customer data), 2016
Cost of Energy (cost per kWh consumed)	Calculated by dividing a utility company's reported 2016 residential revenue by the total number of kWh consumed in 2016 by residential customers. This is a calculation of the "all-in" cost of energy per kwh consumed.	
Electricity Energy Burden	Defined as the proportion of a household's income spent on electricity bills alone, through the following steps and definitions: 1. Household income reported at the census tract level as average median household income 2. All census tracts in Kentucky assigned to a utility provider, based on their spatial location 3. Avg. yearly residential customer electric bill calculated per utility by multiplying the Avg. Residential Monthly Electric Bill by 12 4. For each census tract, the estimated yearly customer electric bill for that tract's utility provider is divided by its estimated median income	Median Household Income data from the American Community Survey (ACS) 2016 estimates Avg. Yearly Residential Customer Electric Bill derived from EIA Form 861, 2016
Percent Below Poverty Level	Percent of families and/or individuals with 2016 incomes below the 2016 federal poverty level. For information on how the Census calculates poverty, visit https://www.census.gov/topics/income-poverty/poverty/guidance/poverty-measures.html	American Community Survey (ACS) 2016 estimates, collected at the census tract level
*** from Page 2**	Text "For very low-income households in KY, electricity bills may be as high as 23% of annual income."	2008 State of Metropolitan Housing Report (Metropolitan Housing Coalition)
Percent Non-White	Percent of families and/or individuals who list their racial status as a race other than white alone, i.e. all people other than non-Hispanic, white-alone individuals.	American Community Survey (ACS) 2016 estimates, collected at the census tract level
Political party registration percentages	Political party registration percentages gathered from the KY Secretary of State website. "Other" is a combined sum of the following parties: Other, Independent, Libertarian, Green, Social Work, Reform, and Constitution.	Voter Registration Statistics, dated 3/15/2018, https://elect.ky.gov/Resources/Pages/Registration-Statistics.aspx

DATA SOURCES & METHODS, cont'd

Data	*Description*	*Source*
2018 KY candidate filings	Via KY Secretary of State webiste, lists of candidate filings for the following races: U.S. Representative, State Senate, and State House.	Candidate Filings, http://apps.sos.ky.gov/elections/candidatefilings/statewide/default.aspx?id=4

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(502) 554-6633