

# Kentucky County Energy Database Codebook

Kentucky Energy Database  
 Kentucky Energy and Environment Cabinet  
 Department for Energy Development and Independence  
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Database: [http://energy.ky.gov/Programs/Data%20Analysis%20%20Electricity%20Model/KY\\_County\\_Data.zip](http://energy.ky.gov/Programs/Data%20Analysis%20%20Electricity%20Model/KY_County_Data.zip)

Variable	Label	Obs	Unique	Mean	Min	Max
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county	Name of Coal Mining County	24251	120	.	.	.
county_n	Name of Coal Mining County	24251	120	62.27624	1	122
year	Year	24251	231	1917.974	1790	2020
area	Land Area (Square Miles)	24251	97	332.9778	100	787
cldc_ash_med	Median Ash Content of Coal Sold by County and Year	1038	277	10.36317	3.68	24.16
cldc_ash_mu	Mean Ash Content of Coal Sold by County and Year	1038	966	10.55432	4.81125	22.24444
cldc_ash_muc	Time-Invariant Mean Ash Content of Coal Sold by County	1038	98	10.51743	7.302826	19.96923
cldc_btu_med	Median BTU Content of Coal Sold by County and Year	1038	828	24.11516	17.14	27.006
cldc_btu_mu	Mean BTU Content of Coal Sold by County and Year	1038	1029	24.0687	16.82444	26.779
cldc_btu_muc	Time-Invariant Mean BTU Content of Coal Sold by County	1038	99	24.05082	17.85662	26.45
cldc_cost_~d	Median Delivered Fuel Cost of Coal by County and Year	1004	860	175.7404	62.5	599.55
cldc_cost_mu	Mean Delivered Fuel Cost of Coal by County and Year	1004	1003	177.5025	62.5	523.4117
cldc_s_med	Median Sulfur Content of Coal Sold by County and Year	1038	351	1.540539	0.385	5.17
cldc_s_mu	Mean Sulfur Content of Coal Sold by County and Year	1038	987	1.590768	0.446667	4.584737
cldc_s_muc	Time-Invariant Mean Sulfur Content of Coal Sold by County	1038	99	1.620922	0.56	4.017895
cldc_sulfur	Mean Sulfur Content of Coal Delivered from County (Time-Invariant %)	113	34	1.709582	0.666667	3.223533
cldcx_al	County Coal Shipments to AL	297	297	279905.5	93	1876057
cldcx_ct	County Coal Shipments to CT	5	5	220525.8	23589	954000
cldcx_de	County Coal Shipments to DE	22	22	102507.6	865	712338
cldcx_fl	County Coal Shipments to FL	220	218	344821.2	1775	3286457
cldcx_ga	County Coal Shipments to GA	59	58	394521	50	3835207
cldcx_ia	County Coal Shipments to IA	2	2	3046.5	1531	4562
cldcx_il	County Coal Shipments to IL	11	11	57581.18	2108	184100

cldcx_in	County Coal Shipments to IN	76	76	72705.66	20	609000
cldcx_ky	County Coal Shipments to KY	234	220	433888.5	100	6.21E+06
cldcx_mi	County Coal Shipments to MI	15	14	39528.13	972	212167
cldcx_nc	County Coal Shipments to NC	46	41	55383.61	1000	432496
cldcx_nj	County Coal Shipments to NJ	3	3	28233.33	700	4.68E+04
cldcx_oh	County Coal Shipments to OH	28	27	60485.96	200	244870
cldcx_sc	County Coal Shipments to SC	7	7	344883.6	3300	1371203
cldcx_tn	County Coal Shipments to TN	6	6	53132.17	9208	1.63E+05
cldcx_va	County Coal Shipments to VA	21	20	24157.95	1000	90560
cldcx_wv	County Coal Shipments to WV	1	1	116	116	116
clpcoe	County Coal Mine On-Site Office Employment	482	81	18.84336	0	2.53E+02
clpcoe_agr	County Kentucky Annual On-Site Office Employment Annual Growth Rate (%)	319	163	13.13138	-100	800
clpcoe_mu	County Coal Mine On-Site Office Employment (Annual Mean)	504	80	18.37897	0	239
clpcol	County Coal Mine Office Labor Hours	792	434	25173.33	0	578877
clpcpe	County Coal Preparation Plant Employment	471	160	61.06847	0	496
clpcpe_agr	County Kentucky Annual Preparation Plant Employment Annual Growth Rate (%)	345	272	21.75045	-100	1900
clpcpe_mu	County Coal Preparation Plant Employment (Annual Mean)	484	162	60.59917	0	498
clpcpl	County Coal Preparation Plant Labor Hours	772	445	90736.57	0	1.24E+06
clpcse	County Surface Mining Employment	443	233	1.70E+02	0.00E+00	1.41E+03
clpcse_agr	County Kentucky Annual Surface Mining Employment Annual Growth Rate (%)	332	298	4.56E+01	-100	9.90E+03
clpcse_mu	County Surface Mining Employment (Annual Mean)	469	238	163.5608	0.00E+00	1369
clpcsl	County Surface Coal Mine Labor Hours	757	452	242902.5	0	3355749
clpcsp	County Surface Coal Production (Tons)	2397	2251	1362313	0	2.15E+07
clpcsp_th	County Surface Coal Production (Thousand Tons)	5445	2250	599.7809	0	21466.85
clpcsy	County Surface Coal Mining Productivity (Tons per Labor Hour)	440	406	3.038632	0	9.333641
clpcte	County Coal Mining Employment	3237	1378	838.2071	0	1.68E+04
clpcte_agr	County Coal Employment Annual Growth Rate (%)	2939	1125	15.80606	-100	5485.7
clpcte_mu	County Coal Mining Employment (Annual Mean)	277	277	779.8206	7	4.13E+03
clpcte_p	County Coal Mining Employment as a Percentage of Total Employment	749	725	0.065605	0	0.461491
clpcte_rank	rank of (-clpcte) by year	3173	81	22.6174	1	51
clpctl	County Coal Mine Labor Hours	854	538	6.85E+05	0	9.59E+06
clpctp	County Coal Production (Tons)	22297	4619	4.36E+05	0	3.56E+07
clpctp_agr	Annual Growth Rate of County Total Production	5342	1747	60.14749	-100	90700
clpctp_mil	County Coal Production (Million Tons)	22264	4595	4.34E-01	0	3.56E+01

clpctp_p	Percentage of Total Kentucky Production	22050	5205	9.80E-03	0	1.00E+00
clpctp_rank	rank of (-clpctp) by year	22231	128	55.15694	1	84.5
clpctp_th	County Coal Production (Thousand Tons)	5581	4619	1741.728	0	35597.56
clpcty	County Coal Mining Productivity (Tons per Labor Hour)	541	442	2.37E+00	0	1.65E+01
clpcty_rank	rank of (-clpcty) by year	475	37	17.49263	1	3.45E+01
clpcue	County Underground Coal Mining Employment	326	248	412.6687	0	5283
clpcue_agr	County Kentucky Annual Underground Employment Annual Growth Rate (%)	251	237	19.68886	-100	2.32E+03
clpcue_mu	County Underground Coal Mining Employment (Annual Mean)	329	259	397.9514	0	2146
clpcul	County Underground Coal Mine Labor Hours	617	321	503736.5	0	4837106
clpcup	County Underground Coal Production (Tons)	3061	2842	1975036	0	2.59E+07
clpcup_th	County Underground Coal Production (Thousand Tons)	5308	2841	1137.83	0	25938.15
clpcuy	County Underground Coal Mining Productivity (Tons per Labor Hour)	318	315	3.186414	0	7.556072
codeyr	Unique Panel Identifier (ISID)	24251	24251	.	.	.
county_fips	County Fips Code (Federal Information Processing Code)	23274	119	.	.	.
county_fip~n	County Fips Code (Federal Information Processing Code - Numeric)	23475	120	119.5323	1	239
county_seat	County Seat	23498	120	.	.	.
emp_11	Employment in NAICS 11 - Agriculture, Forestry, Fishing & Hunting	625	146	61.52	0	2328
emp_21	Employment in NAICS 21 - Mining	534	193	233.1479	0	4733
emp_22	Employment in NAICS 22 - Utilities	555	107	30.96036	0	294
emp_23	Employment in NAICS 23 - Construction	702	444	626.8575	0	21128
emp_31	Employment in NAICS 31 - Manufacturing	690	562	1935.929	0	47001
emp_42	Employment in NAICS 42 - Wholesale Trade	689	385	584.2235	0	22698
emp_44	Employment in NAICS 44 - Retail Trade	702	586	1673.796	10	4.44E+04
emp_48	Employment in NAICS 48 - Transportation and Warehousing	699	343	6.37E+02	0	3.31E+04
emp_51	Employment in NAICS 51 - Information	683	260	238.0146	0	9062
emp_52	Employment in NAICS 52 - Finance and Insurance	702	357	580.8789	0	30049
emp_53	Employment in NAICS 53 - Real Estate and Rental and Leasing	685	223	163.5533	0	6128
emp_54	Employment in NAICS 54 - Professional and Technical Services	701	333	540.6833	0	22818
emp_55	Employment in NAICS 55 - Management of Companies and Enterprises	441	140	233.8481	0	7085
emp_56	Employment in NAICS 56 - Administrative and Waste Services	694	376	758.9856	0	31315
emp_61	Employment in NAICS 61 - Educational Services	475	136	150.1368	0	5299
emp_62	Employment in NAICS 62 - Health Care and Social Assistance	702	556	1791.709	0	58293
emp_71	Employment in NAICS 71 - Arts, Entertainment, and Recreation	635	230	169.9102	0	5.85E+03
emp_72	Employment in NAICS 72 - Accommodation and Food Services	702	527	1260.963	0	37006

emp_81	Employment in NAICS 81 - Other Services, Ex. Public Admin	702	358	388.1724	2	13985
emp_92	Employment in NAICS 92 - Public Administration	1	1	37	37	37
emp_99	Employment in NAICS 99 - Total All Industries	104	36	144.8462	0	2.50E+03
emplf	Total Labor Force	2520	2342	16180.45	933	375144
emptot	Total Employment	2640	2451	15106.94	258	420082
empun	Total Unemployment	2520	1309	1030.162	43	37865
empunr	Total Unemployment Rate	2520	163	7.366032	1.6	2.58E+01
est_11	Establishments in NAICS 11 - Agriculture, Forestry, Fishing & Hunting	625	42	8.2192	1	156
est_21	Establishments in NAICS 21 - Mining	534	46	8.597378	1	1.27E+02
est_22	Establishments in NAICS 22 - Utilities	555	16	2.87027	1	21
est_23	Establishments in NAICS 23 - Construction	702	199	84.41168	1	2095
est_31	Establishments in NAICS 31 - Manufacturing	690	115	37.13623	1	928
est_42	Establishments in NAICS 42 - Wholesale Trade	689	136	58.63425	1	2044
est_44	Establishments in NAICS 44 - Retail Trade	702	239	1.29E+02	4	2.75E+03
est_48	Establishments in NAICS 48 - Transportation and Warehousing	699	101	29.05293	1	609
est_51	Establishments in NAICS 51 - Information	683	55	13.61054	1	349
est_52	Establishments in NAICS 52 - Finance and Insurance	702	142	54.22507	2	1677
est_53	Establishments in NAICS 53 - Real Estate and Rental and Leasing	685	106	34.11387	1	1056
est_54	Establishments in NAICS 54 - Professional and Technical Services	701	173	82.72611	1	2921
est_55	Establishments in NAICS 55 - Management of Companies and Enterprises	441	37	7.84127	1	193
est_56	Establishments in NAICS 56 - Administrative and Waste Services	694	128	42.52594	1	1.39E+03
est_61	Establishments in NAICS 61 - Educational Services	475	46	9.673684	1	224
est_62	Establishments in NAICS 62 - Health Care and Social Assistance	702	178	8.35E+01	3.00E+00	2.14E+03
est_71	Establishments in NAICS 71 - Arts, Entertainment, and Recreation	635	53	1.26E+01	1	3.75E+02
est_72	Establishments in NAICS 72 - Accommodation and Food Services	702	154	6.20E+01	1	1.61E+03
est_81	Establishments in NAICS 81 - Other Services, Ex. Public Admin	702	182	80.0641	3	2305
est_92	Establishments in NAICS 92 - Public Administration	1	1	10	10	10
est_99	Establishments in NAICS 99 - Total All Industries	104	29	11.125	1	108
fips	Complete Federal Information Processing Code (String)	23411	120	.	.	.
fips_n	Complete Federal Information Processing Code (Numeric)	23411	120	119.5751	1	239
hh_mobile	Mobile Homes	2760	118	2053.692	220	11549
hh_mobile_p	Percentage of Homes that are Mobile Homes	120	120	0.246256	0.01353	0.515307
hh_mort	Owner-Occupied Households with a Mortgage	120	120	6090.083	280	1.36E+05
hh_mort_p	Owner-Occupied Households with a Mortgage (%)	120	107	55.26917	26.1	82.3

hh_nomort	Owner-Occupied Households without a Mortgage	120	119	3673.3	343	58331
hh_nomort_p	Owner-Occupied Households without a Mortgage (%)	120	107	44.73083	17.7	73.9
hh_own	Number of Owner-Occupied Households	120	120	9763.383	623	1.94E+05
hh_own_p	Percentage of Owner-Occupied Households (%)	120	93	74.30167	56.5	88.1
hh_price	Median Home Price (\$)	120	113	93136.67	46200	234400
hh_rent	Number of Renter-Occupied Households	120	119	4209.183	229	106073
hh_rent_d	Median Rent in Renter-Occupied Homes (\$)	120	95	521.5333	291	7.97E+02
hh_rent_p	Percentage of Renter-Occupied Households (%)	120	93	25.69833	11.9	43.5
hh_size_own	Median Number of Occupants in Owner-Occupied Homes	120	54	2.580083	2.02	3.32E+00
hh_size_rent	Median Number of Occupants in Renter-Occupied Homes	120	66	2.43E+00	1.94	3.70E+00
hhh_coal	Households Heated with Coal	120	52	50.09167	0	543
hhh_coal_p	Households Heated with Coal (%)	120	28	0.616667	0	7
hhh_elec	Households Heated with Electricity	120	120	6.52E+03	320	7.89E+04
hhh_elec_p	Households Heated with Electricity (%)	120	108	52.63917	26	83.7
hhh_fo	Households Heated with Fuel Oil	120	107	201.9917	0	2152
hhh_fo_p	Households Heated with Fuel Oil (%)	120	47	2.054167	0	12.3
hhh_gas	Households Heated with Utility Gas	120	119	5731.617	58	215098
hhh_gas_p	Households Heated with Utility Gas (%)	120	109	26.335	1.4	71.6
hhh_sl	Households with Solar Thermal	120	15	2.941667	0	58
hhh_sl_p	Households with Solar Thermal (%)	120	6	0.03	0	0.9
hhh_tank	Households Heated with Tank Gas	120	114	1033.9	57	3.67E+03
hhh_tank_p	Households Heated with Tank Gas (%)	120	94	12.65417	0.7	40.4
hhh_wd	Households Heated with Wood	120	110	372.8	35	1204
hhh_wd_p	Households Heated with Wood (%)	120	72	5.1925	0.1	20
households	Number of Households	120	119	1.40E+04	852	3.01E+05
pop	Population (People)	1318	1295	24964.67	2124	695055
pop_ip	Interpolation of Population (People)	12100	11846	2.49E+04	2.12E+03	6.95E+05
pop_max	Maximum Historical Population (People)	23411	119	39911.68	2400	757282
popage	Median Population Age	117	66	3.92E+01	28.7	4.60E+01
region	East vs. West Kentucky	11050	2	.	.	.
wages_11	Wages in NAICS 11 - Agriculture, Forestry, Fishing & Hunting	625	443	1725813	0	7.81E+07
wages_21	Wages in NAICS 21 - Mining	534	263	1.46E+07	0	2.94E+08
wages_22	Wages in NAICS 22 - Utilities	555	170	1853934	0	2.07E+07
wages_23	Wages in NAICS 23 - Construction	702	690	2.54E+07	0	9.73E+08

wages_31	Wages in NAICS 31 - Manufacturing	690	624	9.10E+07	0	2.57E+09
wages_42	Wages in NAICS 42 - Wholesale Trade	689	642	2.85E+07	0	1.31E+09
wages_44	Wages in NAICS 44 - Retail Trade	702	701	3.83E+07	27438	1.09E+09
wages_48	Wages in NAICS 48 - Transportation and Warehousing	699	630	2.86E+07	0	1.71E+09
wages_51	Wages in NAICS 51 - Information	683	566	9917304	0	4.40E+08
wages_52	Wages in NAICS 52 - Finance and Insurance	702	689	3.14E+07	0	1.98E+09
wages_53	Wages in NAICS 53 - Real Estate and Rental and Leasing	685	647	5244502	0	2.54E+08
wages_54	Wages in NAICS 54 - Professional and Technical Services	701	685	2.73E+07	0	1.33E+09
wages_55	Wages in NAICS 55 - Management of Companies and Enterprises	441	186	2.03E+07	0	6.94E+08
wages_56	Wages in NAICS 56 - Administrative and Waste Services	694	589	1.81E+07	0	8.02E+08
wages_61	Wages in NAICS 61 - Educational Services	475	195	4336643	0	1.82E+08
wages_62	Wages in NAICS 62 - Health Care and Social Assistance	702	687	7.09E+07	0	2.78E+09
wages_71	Wages in NAICS 71 - Arts, Entertainment, and Recreation	635	440	3259146	0	1.46E+08
wages_72	Wages in NAICS 72 - Accommodation and Food Services	702	685	1.66E+07	0	5.81E+08
wages_81	Wages in NAICS 81 - Other Services, Ex. Public Admin	702	702	1.02E+07	14949	3.82E+08
wages_92	Wages in NAICS 92 - Public Administration	1	1	1108516	1108516	1108516
wages_99	Wages in NAICS 99 - Total All Industries	104	69	1.43E+06	0	2.62E+07
wwage_11	Weekly Wages in NAICS 11 - Agriculture, Forestry, Fishing & Hunting	625	291	3.42E+02	0	2.13E+03
wwage_21	Weekly Wages in NAICS 21 - Mining	534	231	489.0412	0	1719
wwage_22	Weekly Wages in NAICS 22 - Utilities	555	155	343.2721	0	2764
wwage_23	Weekly Wages in NAICS 23 - Construction	702	416	6.53E+02	0.00E+00	2.07E+03
wwage_31	Weekly Wages in NAICS 31 - Manufacturing	690	444	688.2261	0	2182
wwage_42	Weekly Wages in NAICS 42 - Wholesale Trade	689	447	684.4615	0	1883
wwage_44	Weekly Wages in NAICS 44 - Retail Trade	702	232	388.6652	174	595
wwage_48	Weekly Wages in NAICS 48 - Transportation and Warehousing	699	386	596.3605	0	1296
wwage_51	Weekly Wages in NAICS 51 - Information	683	375	546.6354	0	1248
wwage_52	Weekly Wages in NAICS 52 - Finance and Insurance	702	342	665.5684	0	1389
wwage_53	Weekly Wages in NAICS 53 - Real Estate and Rental and Leasing	685	390	405.362	0	2220
wwage_54	Weekly Wages in NAICS 54 - Professional and Technical Services	701	455	6.36E+02	0.00E+00	1.44E+03
wwage_55	Weekly Wages in NAICS 55 - Management of Companies and Enterprises	441	173	582.5215	0	4378
wwage_56	Weekly Wages in NAICS 56 - Administrative and Waste Services	694	361	403.8977	0	1420
wwage_61	Weekly Wages in NAICS 61 - Educational Services	475	166	196.92	0	1306
wwage_62	Weekly Wages in NAICS 62 - Health Care and Social Assistance	702	336	591.8875	0	1019
wwage_71	Weekly Wages in NAICS 71 - Arts, Entertainment, and Recreation	635	237	208.1984	0	1527

wwage_72	Weekly Wages in NAICS 72 - Accommodation and Food Services	702	167	211.0142	0	741
wwage_81	Weekly Wages in NAICS 81 - Other Services, Ex. Public Admin	702	338	438.7308	126	1071
wwage_92	Weekly Wages in NAICS 92 - Public Administration	1	1	765	765	765
wwage_99	Weekly Wages in NAICS 99 - Total All Industries	104	66	475.4038	0	2959