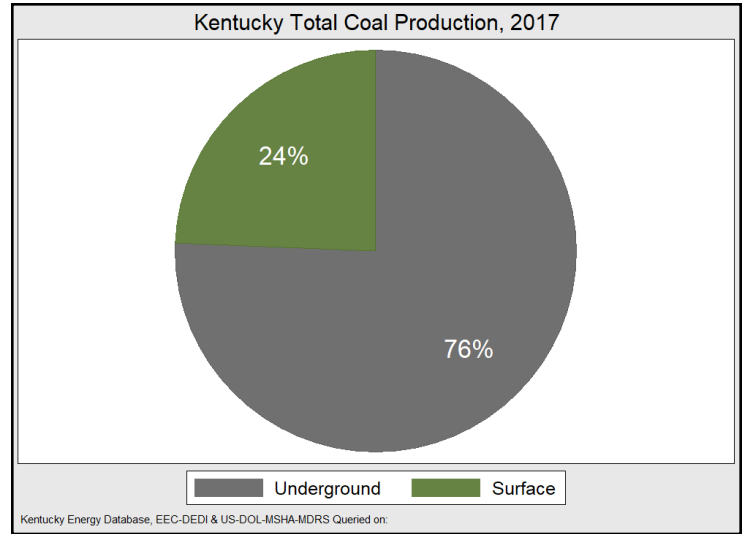
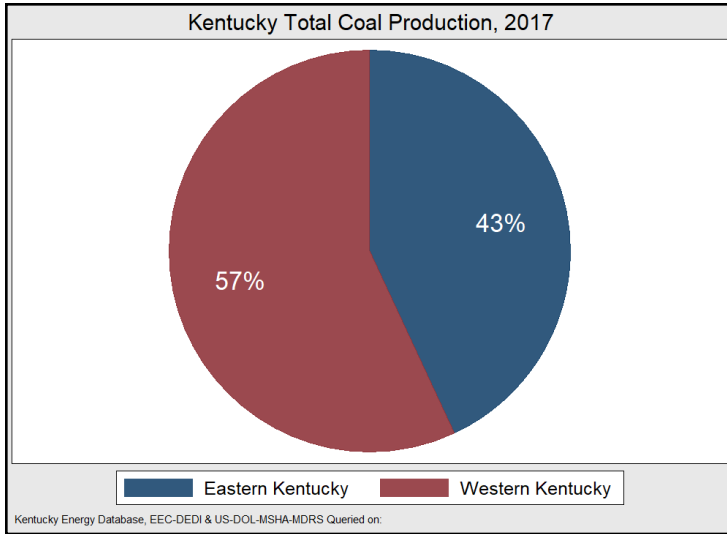


Kentucky Q4/2017 Coal Report

October to December

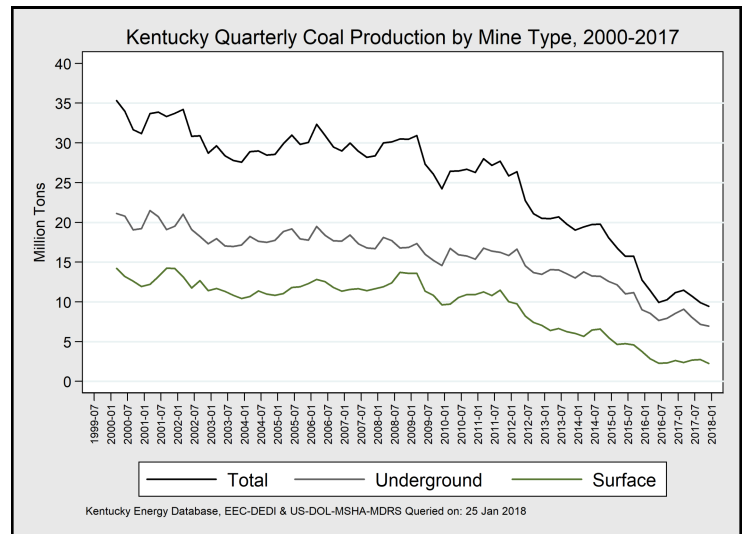
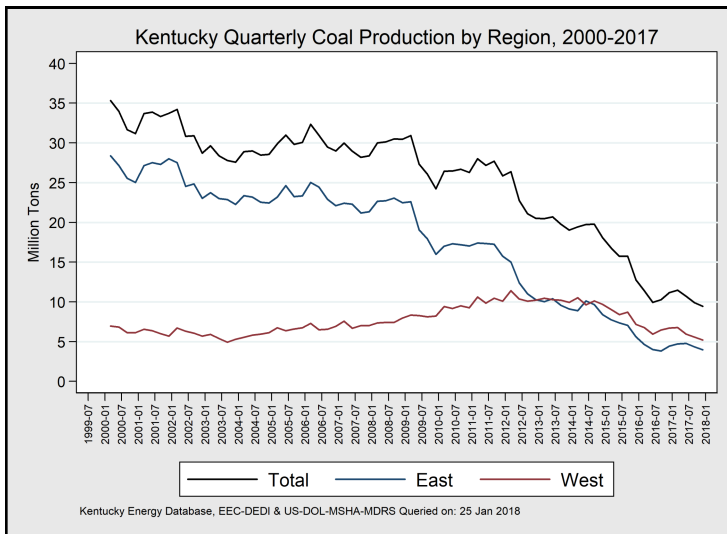


Region	2017 Tonnage	Annual Change	Quarter Change
Total	42,082,668	-1.6%	+0.7%
Western KY	23,605,558	-8.8%	-4.8%
Eastern KY	18,477,110	+9.4%	+7.8%

Mine Type	2017 Tonnage	Annual Change	Quarter Change
Total	42,082,668	-1.6%	+0.7%
Underground	31,602,352	-3.4%	+2.0%
Surface	10,480,317	+4.2%	-2.8%

Preliminary data indicate that Kentucky coal mines produced 42 million tons of coal in 2017, a decrease of 1.6 percent from 2016.

Production at underground mines fell to 31.6 million tons in 2017, a decrease of 3.4 percent.

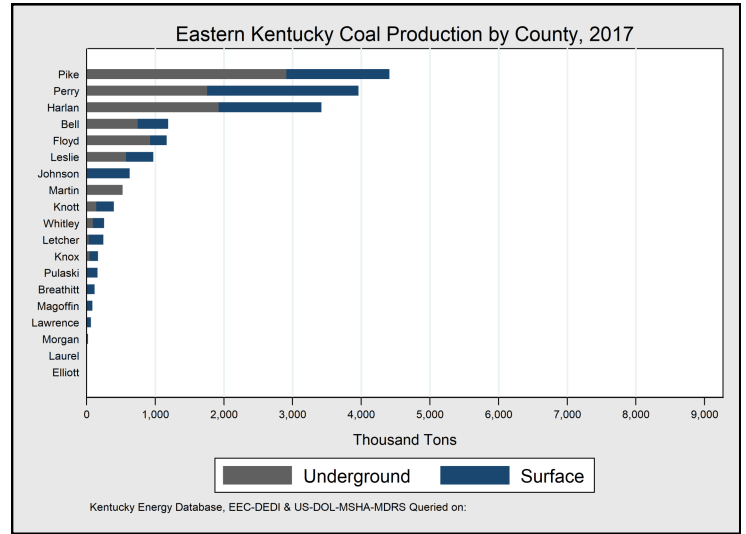
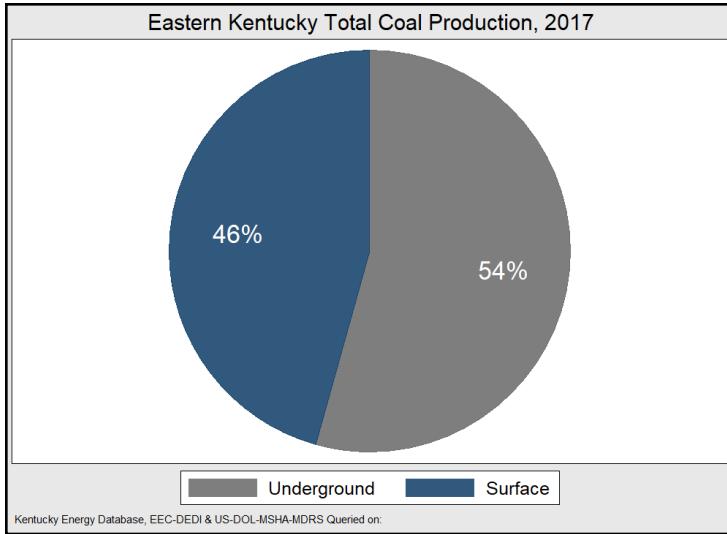


During the fourth quarter of 2017, Kentucky produced 9.9 million tons of coal, an increase of 0.7 percent from the third quarter of 2017. Western Kentucky mines decreased coal production by 4.8 percent, to produce 5.3 million tons for the quarter. Eastern Kentucky mines increased production in the quarter to produce just over 4.6 million tons, a 7.8 percent increase from last quarter.

During the fourth quarter of 2017, underground mines in Kentucky produced 7.3 million tons, while surface mines produced 2.6 million tons.

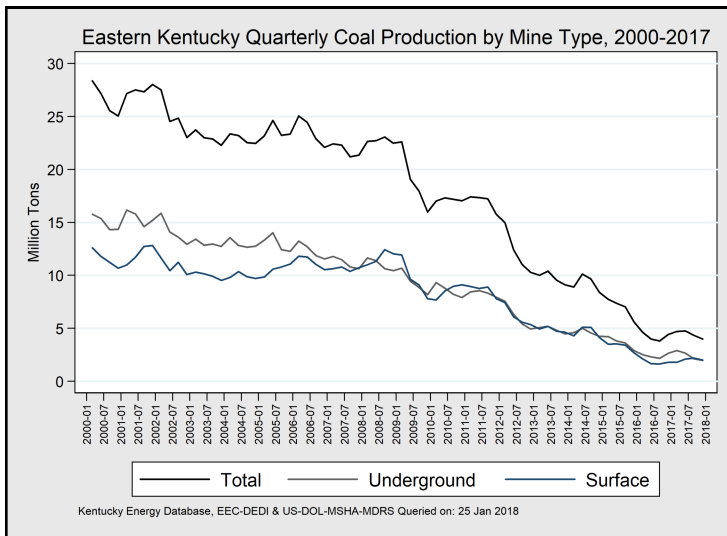
Eastern Kentucky Coal Production

October to December



Mine Type	2017 Tonnage	Annual Change	Quarter Change
Total	18,477,110	+9.4%	+7.8%
Underground	10,049,568	+4.1%	+10.8%
Surface	8,427,542	+16.5%	+4.9%

East Counties	2017 Tonnage	Annual Change	Quarter Change
Pike	4,568,858	+15.1%	+1.8%
Perry	4,066,533	+13.2%	+4.8%
Harlan	3,582,311	+3.6%	+43.4%
Bell	1,187,667	+9.8%	-14.7%
Floyd	1,177,874	+83.8%	-12.1%
Leslie	1,119,235	+18.3%	+49.5%
Johnson	699,359	+242.1%	+5.3%
Martin	523,571	-44.6%	-95.0%
Knott	398,674	-41.5%	+31.9%
Whitley	256,695	+21.7%	+14.4%
Letcher	245,846	+33.0%	+102.8%
Knox	165,439	+2.2%	+243.9%
Pulaski	160,227	-24.6%	-100.0%
Breathitt	123,205	+55.3%	+47.7%
Magoffin	86,884	-77.5%	+0.0%
Lawrence	64,928	-50.5%	-0.9%
Morgan	47,209	+0.0%	+19.9%
Laurel	1,930	-41.4%	-55.8%
Elliott	665	+0.0%	+0.0%



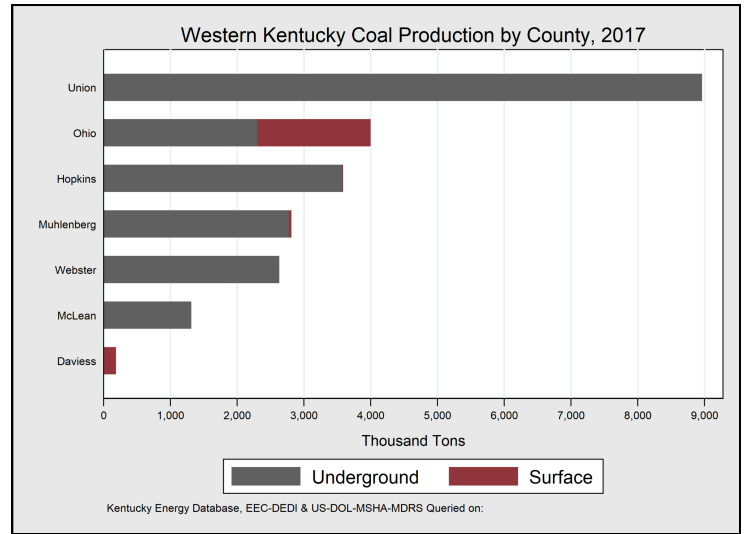
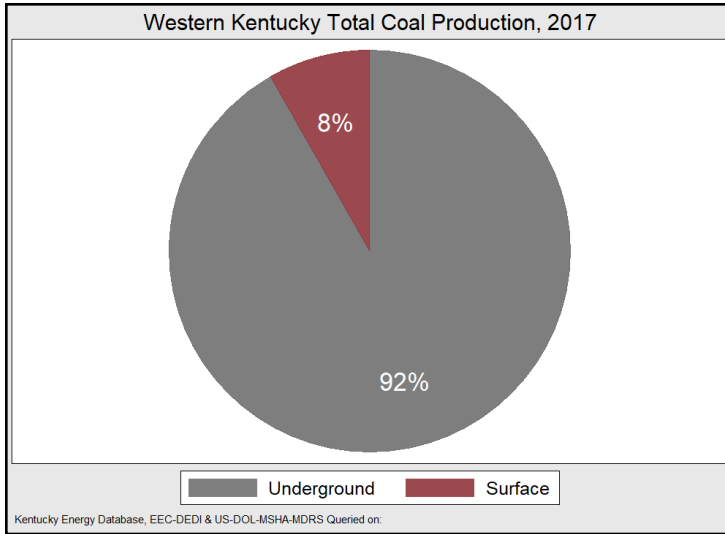
Annual production increased at both underground and surface mining operations in eastern Kentucky in 2017, by 10.8 and 4.9 percent respectively.

Eastern Kentucky underground coal production during the fourth quarter of 2017 was 2.3 million tons, an increase of 10.8 percent from the third quarter. Surface production in eastern Kentucky increased by 4.9 percent to 2.3 million tons in the final quarter of 2017.

Pike County was the second-highest coal producing county in Kentucky. Perry and Harlan Counties were 4th and 5th in coal production, respectively.

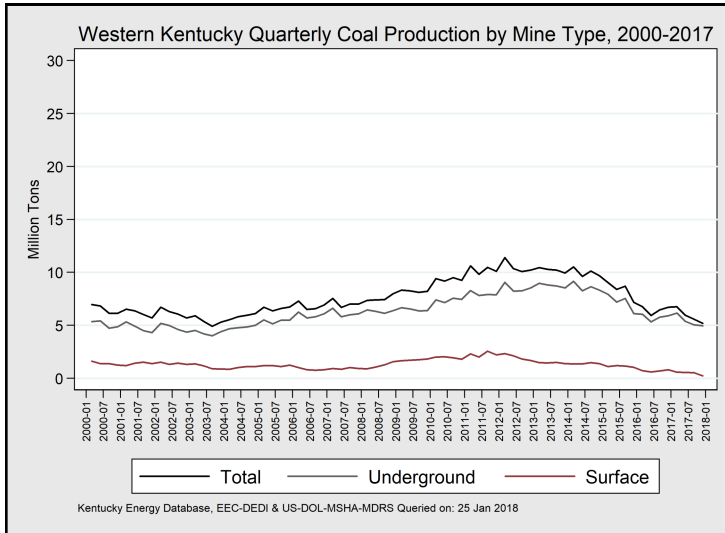
Western Kentucky Coal Production

October to December



Mine Type	2017 Tonnage	Annual Change	Quarter Change
Total	23,605,558	-8.8%	-4.8%
Underground	21,552,784	-6.5%	-1.7%
Surface	2,052,775	-27.4%	-34.2%

West Counties	2017 Tonnage	Annual Change	Quarter Change
Union	8,961,616	+4.1%	+0.6%
Ohio	4,125,778	-13.0%	-27.9%
Hopkins	3,575,953	-16.2%	-2.2%
Muhlenberg	2,813,061	-7.8%	+2.3%
Webster	2,629,248	-29.8%	-2.4%
McLean	1,313,001	+3.0%	+3.5%
Daviess	186,901	-4.1%	-58.4%



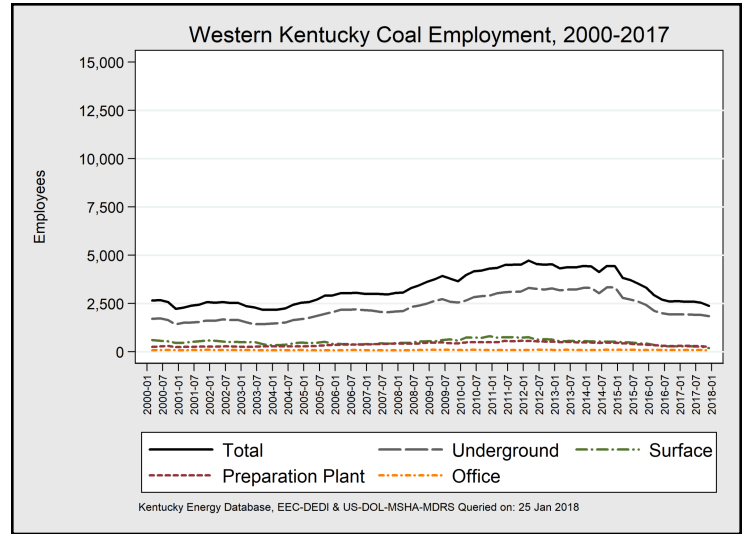
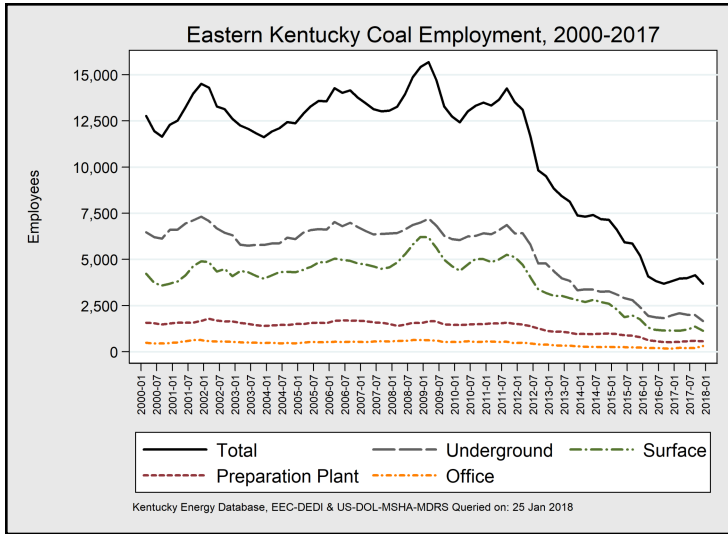
Annual coal output fell at both underground and surface mining operations in western Kentucky in 2017, by 6.5 and 27.4 percent respectively.

Underground coal production in western Kentucky for the fourth quarter of 2017 was 4.9 million tons, a decrease of 1.7 percent. Surface production decreased by 34.2 percent from the third quarter to 355 thousand tons.

The top coal producing county in Kentucky was Union County. In 2017, Union County produced 8.9 million tons, a 4.1 percent increase for the year. Hopkins County suffered a significant decline in coal output in 2017, falling 16.2 percent to 3.5 million tons. McLean County was one of the only counties to increase annual production in western Kentucky, boosting output 3 percent to over 1.3 million tons.

Kentucky Coal Mine Employment

October to December



East Counties	Q4 Employment	YOY Change	Quarter Change
Total	4,055	+6.0%	-2.4%
Pike	1,136	+23.3%	+10.2%
Harlan	831	+1.5%	-3.8%
Perry	684	+14.4%	-1.0%
Bell	343	-7.0%	-10.4%
Floyd	205	+4.1%	-13.1%
Leslie	199	+5.9%	+0.5%
Whitley	142	+29.1%	-0.7%
Letcher	119	+112.5%	147.9%
Knott	91	+93.6%	+26.4%
Knox	77	+133.3%	+1.3%
Johnson	72	+41.2%	-16.3%
Martin	42	-83.6%	-78.9%
Lawrence	28	-12.5%	27.3%
Boyd	23	-11.5%	-14.8%
Magoffin	15	-65.1%	+36.4%
Clay	14	+0.0%	+0.0%
Breathitt	12	-36.8%	-20.0%
Morgan	8	+0.0%	+0.0%
Pulaski	6	-60.0%	-70.0%
Laurel	4	-33.3%	+0.0%
McCreary	4	0.0%	+0.0%

West Counties	Q4 Employment	YOY Change	Quarter Change
Total	2,448	-7.0%	-3.7%
Union	659	+5.8%	+0.0%
Ohio	479	-6.1%	-2.2%
Hopkins	458	-2.8%	+0.0%
Muhlenberg	352	-13.1%	-8.3%
Webster	302	-12.2%	-1.9%
McLean	159	-14.5%	+1.3%
Daviess	20	-4.8%	-9.1%
Livingston	13	-31.6%	+0.0%
Henderson	6	-40.0%	+20.0%

Description	Q4 Employment	YOY Change	Quarter Change
Kentucky Total	6,503	+0.7%	-2.9%
Underground	3,730	-5.0%	-4.2%
Surface	1,529	+6.1%	-5.6%
Preparation Plant	839	+1.8%	-6.0%
Office	405	+52.8%	+40.6%

As of December 31, 2017, an estimated 6,503 persons were employed at coal mines within Kentucky. Although employment decreased by 2.9 percent during the final quarter of 2017, coal employment increased by 0.7 percent, when compared with the fourth quarter of 2016. Reductions in employment include layoffs, furloughs, and temporarily idling of coal mines.

As of December 31, 2017, there were 4,055 persons employed at eastern Kentucky coal mines, a decrease of 2.4 percent from the third quarter of 2017. Coal mines in western Kentucky decreased employment by 3.7 percent to 2,448 in the final quarter of 2017. To check for an updated version of this report or for more detailed information on coal production in Kentucky, please visit us online at:

energy.ky.gov/Pages/CoalFacts.aspx

Date		Kentucky Total				Eastern Kentucky				Western Kentucky			
		Average		Tons of Coal		Average		Tons of Coal		Average		Tons of Coal	
		Employment		Produced		Employment		Produced		Employment		Produced	
		Annual	Quarter	Annual	Quarter	Annual	Quarter	Annual	Quarter	Annual	Quarter	Annual	Quarter
2009	Q1	17,812	19,422	108,263,968	30,809,810	14,098	15,668	75,311,872	22,477,210	3,714	3,754	32,952,100	8,332,597
	Q2		18,630		27,264,780		14,702		18,998,720		3,928		8,266,060
	Q3		17,075		25,979,240		13,278		17,850,570		3,797		8,128,670
	Q4		16,380		24,127,190		12,729		15,902,420		3,651		8,224,772
2010	Q1	17,115	16,378	105,554,104	26,304,890	13,020	12,404	68,222,672	16,883,820	4,095	3,974	37,331,432	9,421,068
	Q2		17,217		26,510,520		13,051		17,339,430		4,166		9,171,091
	Q3		17,517		26,682,350		13,308		17,187,870		4,209		9,494,482
	Q4		17,796		25,972,700		13,484		16,727,910		4,312		9,244,791
2011	Q1	18,069	17,684	109,018,240	27,889,220	13,679	13,331	68,007,480	17,282,860	4,390	4,353	41,010,760	10,606,360
	Q2		18,191		27,222,030		13,695		17,385,220		4,496		9,836,813
	Q3		18,810		27,804,080		14,301		17,340,210		4,509		10,463,880
	Q4		18,087		26,047,990		13,581		15,944,280		4,506		10,103,710
2012	Q1	15,622	17,932	91,358,160	26,571,280	11,117	13,203	49,311,848	15,171,750	4,505	4,729	42,046,316	11,399,530
	Q2		16,278		22,924,670		11,731		12,568,670		4,547		10,356,000
	Q3		14,406		21,173,110		9,892		11,094,450		4,514		10,078,670
	Q4		14,107		20,555,240		9,564		10,343,130		4,543		10,212,120
2013	Q1	12,550	13,223	80,359,000	20,590,860	8,239	8,897	39,480,036	10,144,620	4,310	4,326	40,878,964	10,446,240
	Q2		12,882		20,752,660		8,490		10,464,560		4,392		10,288,110
	Q3		12,548		19,876,820		8,180		9,667,612		4,368		10,209,210
	Q4		11,892		19,081,980		7,443		9,146,575		4,449		9,935,408
2014	Q1	11,508	11,790	77,468,336	19,494,440	7,242	7,366	37,499,304	8,969,519	4,267	4,424	39,969,028	10,524,930
	Q2		11,574		19,864,630		7,447		10,240,600		4,127		9,624,035
	Q3		11,681		19,866,500		7,239		9,742,734		4,442		10,123,770
	Q4		11,619		18,204,500		7,186		8,508,199		4,433		9,696,298
2015	Q1	9,493	10,465	61,424,920	16,938,520	5,897	6,639	28,000,918	7,788,933	3,597	3,826	33,424,002	9,149,591
	Q2		9,674		15,817,610		5,958		7,421,363		3,716		8,396,251
	Q3		9,094		15,574,200		5,579		6,867,600		3,515		8,706,595
	Q4		8,401		12,884,260		5,077		5,712,695		3,324		7,171,565
2016	Q1	6,580	7,022	42,773,250	11,407,838	3,860	4,087	16,889,605	4,643,300	2,720	2,935	25,883,645	6,764,538
	Q2		6,539		9,928,305		3,835		3,989,977		2,704		5,938,328
	Q3		6,302		10,276,810		3,692		3,812,385		2,610		6,464,425
	Q4		6,456		11,160,297		3,824		4,443,943		2,632		6,716,354
2017	Q1	6,589	6,564	42,082,668	11,460,720	4,042	3,970	18,477,110	4,701,016	2,547	2,594	23,605,558	6,759,704
	Q2		6,594		10,714,699		3,990		4,765,776		2,604		5,948,923
	Q3		6,696		9,919,158		4,154		4,335,834		2,542		5,583,324
	Q4		6,503		9,988,091		4,055		4,674,484		2,448		5,313,607

In order to provide the public with timely access to these data, this report uses the best-available estimate for each factor at the time of publication. Data for Q4-2017 are preliminary and subject to revision. Data for previous dates have been revised.

This report is produced by the Kentucky Energy and Environment Cabinet using data from numerous sources including the U.S. Department of Labor's Mine Safety Health Administration, the Kentucky Department of Revenue, and the Kentucky Division of Mine Safety.

To check for an updated version of this report or for more detailed information on coal production in Kentucky, please visit us online at: energy.ky.gov/Pages/CoalFacts.aspx