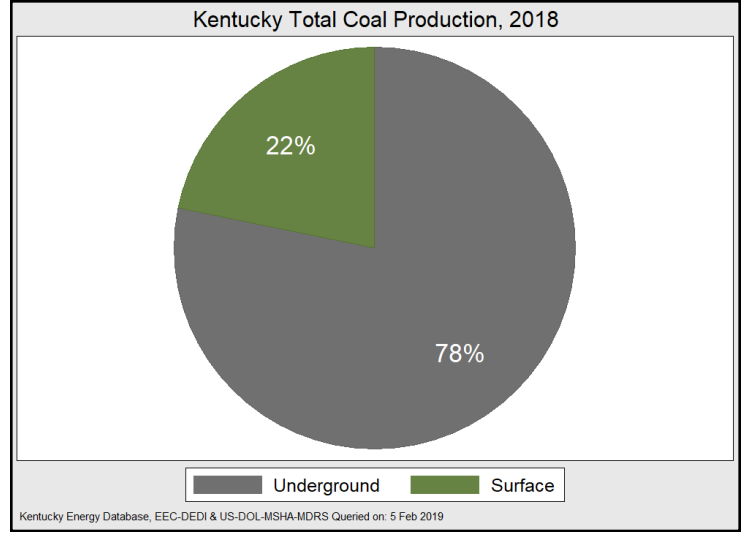
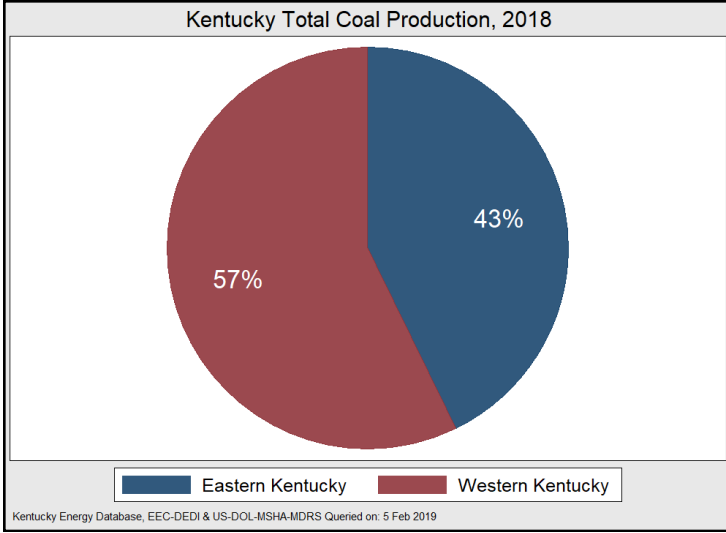


Kentucky Q4/2018 Coal Report

October to December

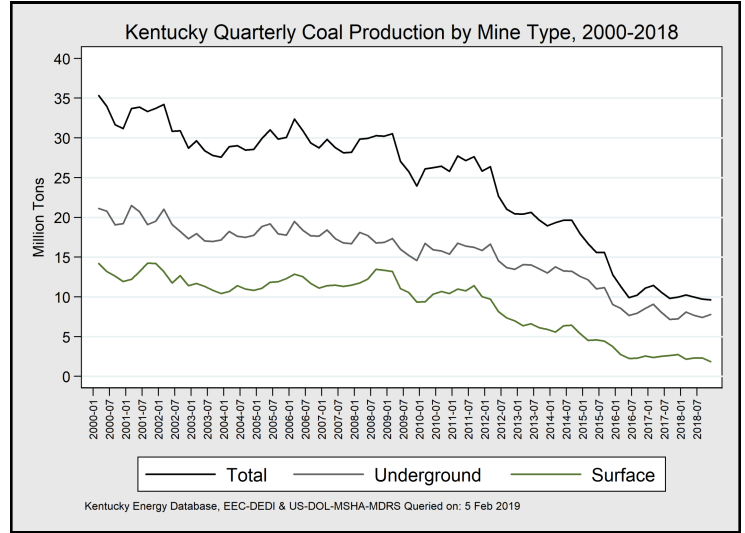
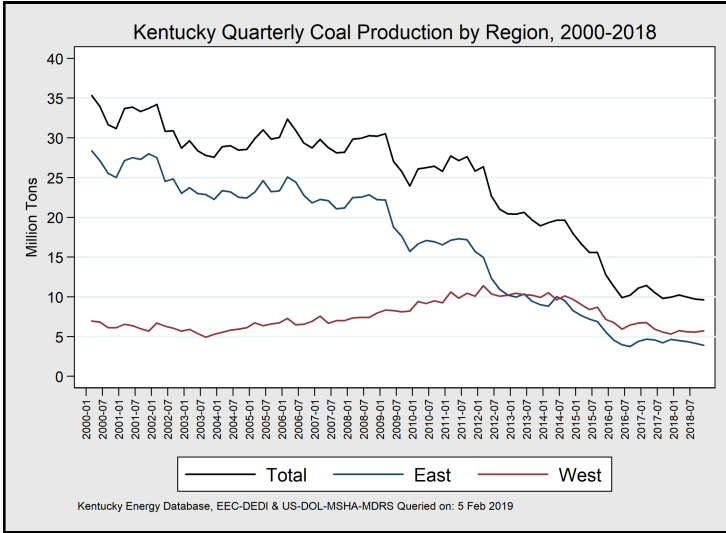


Region	2018 Tonnage	Annual Change	Quarter Change
Total	39,587,320	-5.2%	-1.0%
Western KY	22,664,360	-4.0%	+3.0%
Eastern KY	16,922,960	-6.8%	-6.3%

Mine Type	2018 Tonnage	Annual Change	Quarter Change
Total	39,587,320	-5.2%	-1.0%
Underground	30,955,796	-1.8%	+4.9%
Surface	8,631,524	-15.9%	-19.9%

Preliminary data indicate that Kentucky coal mines produced 39.5 million tons of coal in 2018, a decrease of 5.2 percent from 2017.

Production at underground mines fell to 30.9 million tons in 2018, a decrease of 1.8 percent from 2017.

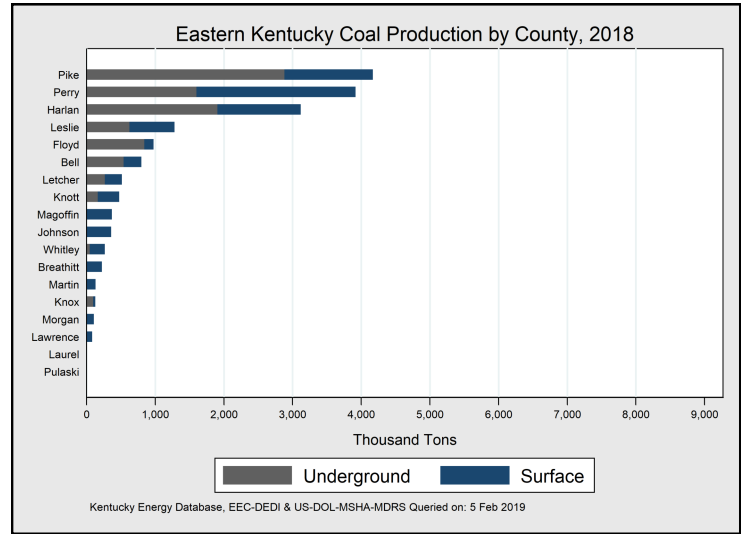
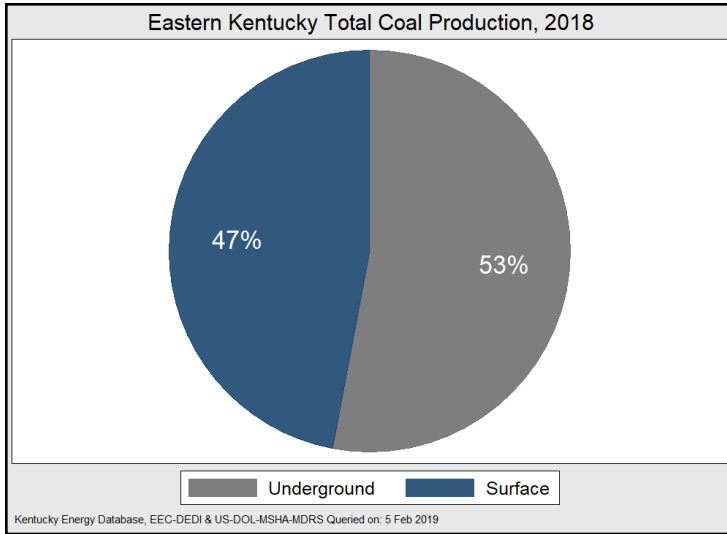


During the fourth quarter of 2018, Kentucky produced 9.6 million tons of coal, a decrease of 1.0 percent from the third quarter of 2018. Western Kentucky mines increased coal production by 3.0 percent, to produce 5.7 million tons for the quarter. Eastern Kentucky mines decreased production in the quarter to produce 3.9 million tons, a 6.3 percent decrease from last quarter.

During the fourth quarter of 2018, underground mines in Kentucky produced just under 7.9 million tons, while surface mines produced 1.8 million tons.

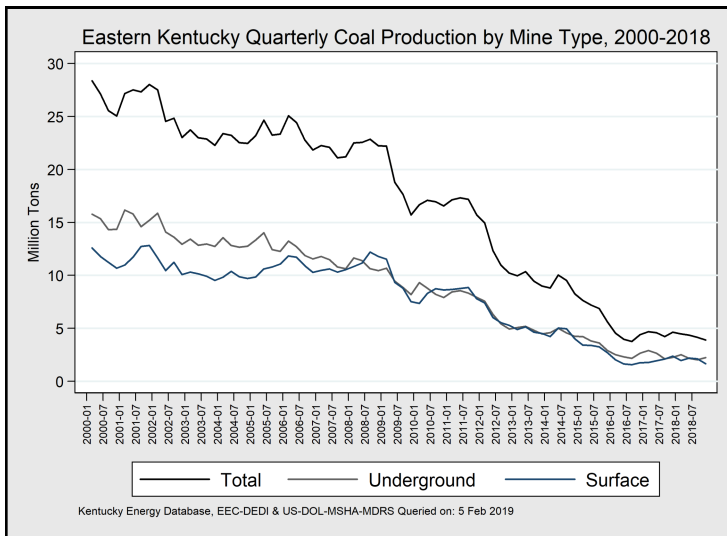
Eastern Kentucky Coal Production

October to December



Mine Type	2018 Tonnage	Annual Change	Quarter Change
Total	16,922,960	-6.8%	-6.3%
Underground	8,968,187	-10.0%	+9.3%
Surface	7,954,773	-3.1%	-21.4%

East Counties	2018 Tonnage	Annual Change	Quarter Change
Pike	4,170,955	-8.9%	+2.2%
Perry	3,919,385	-3.6%	-10.9%
Harlan	3,120,242	-12.5%	-23.7%
Leslie	1,280,951	+17.8%	-6.8%
Floyd	976,146	-18.6%	+13.9%
Bell	798,979	-27.8%	+13.7%
Letcher	515,610	+109.7%	+37.5%
Knott	476,895	+19.6%	+59.1%
Magoffin	369,175	+310.9%	-96.9%
Johnson	359,287	-49.8%	+5.3%
Whitley	264,465	+3.0%	-25.4%
Breathitt	222,211	+80.4%	+33.9%
Martin	130,908	-75.0%	+53.1%
Knox	127,893	+49.5%	+5.4%
Morgan	107,649	+128.0%	-3.6%
Lawrence	80,855	+24.5	-45.7%
Laurel	800	-58.5%	-
Pulaski	554	-92.4%	-



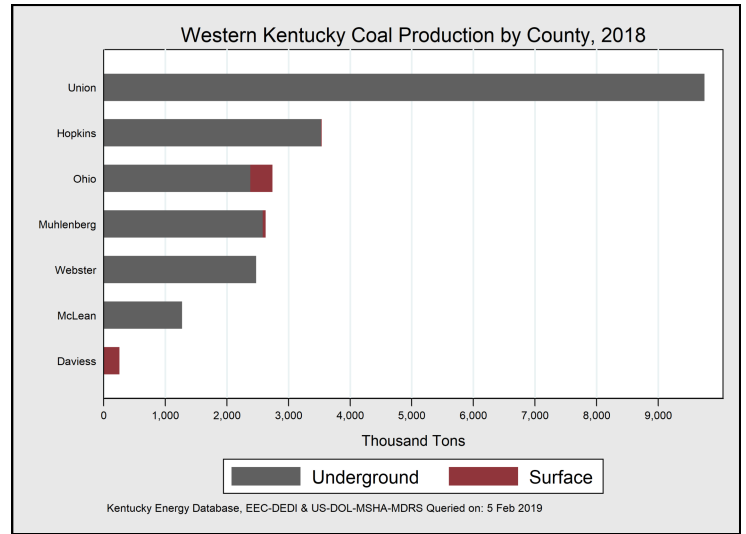
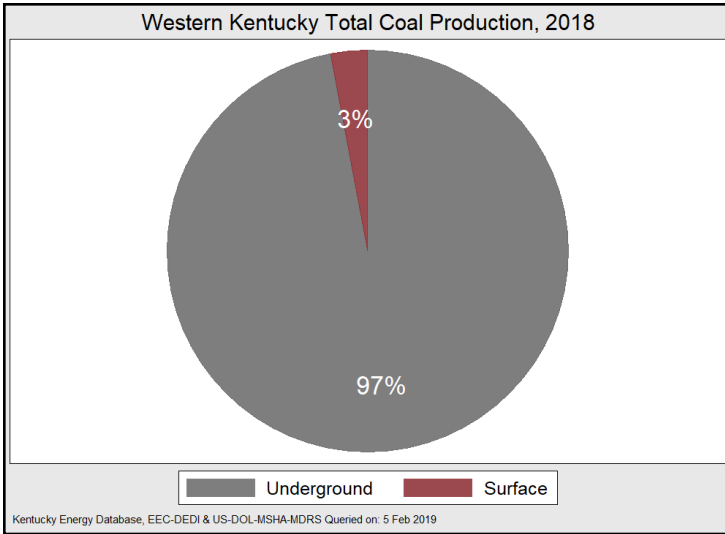
Annual production decreased at both underground and surface mining operations in eastern Kentucky in 2018, by 10.0 and 3.1 percent respectively.

Eastern Kentucky underground coal production during the fourth quarter of 2018 was 2.2 million tons, an increase of 9.3 percent from the third quarter. Surface production in eastern Kentucky decreased by 21.4 percent to 1.6 million tons in the final quarter of 2018.

Pike County was the highest coal producing county in Kentucky. Perry and Harlan Counties were 2nd and 3rd in coal production for 2018, respectively.

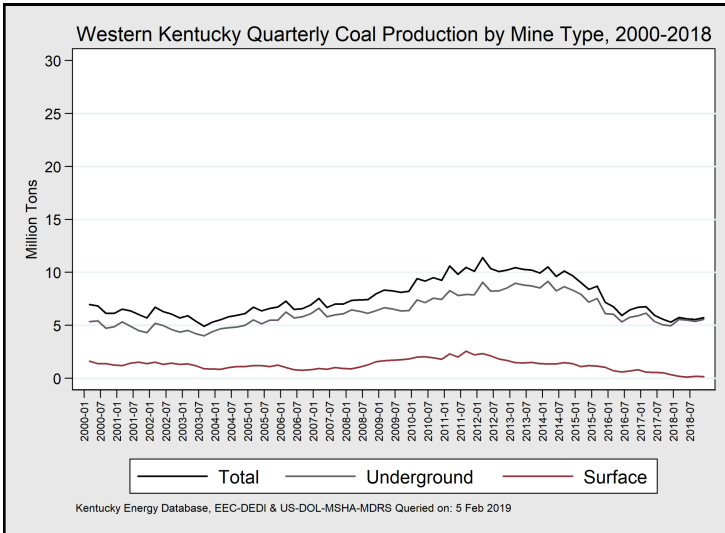
Western Kentucky Coal Production

October to December



Mine Type	2018 Tonnage	Annual Change	Quarter Change
Total	22,664,360	-4.0%	+3.0%
Underground	21,987,609	+2.0%	+3.2%
Surface	676,751	-67.0%	-3.0%

West Counties	2018 Tonnage	Annual Change	Quarter Change
Union	9,753,472	+8.8%	+7.0%
Hopkins	3,540,295	-1.0%	+6.7%
Ohio	2,738,362	-33.6%	+1.1%
Muhlenberg	2,630,256	-6.5%	-9.3%
Webster	2,475,504	-5.8%	-4.2%
McLean	1,270,993	-3.2%	+12.5%
Daviess	255,478	+36.7%	-15.2%



The photo above features equipment and a miner at River View Coal Mine in Union County. Photo taken by Aaron Camenisch for the Energy and Environment Cabinet in 2010.

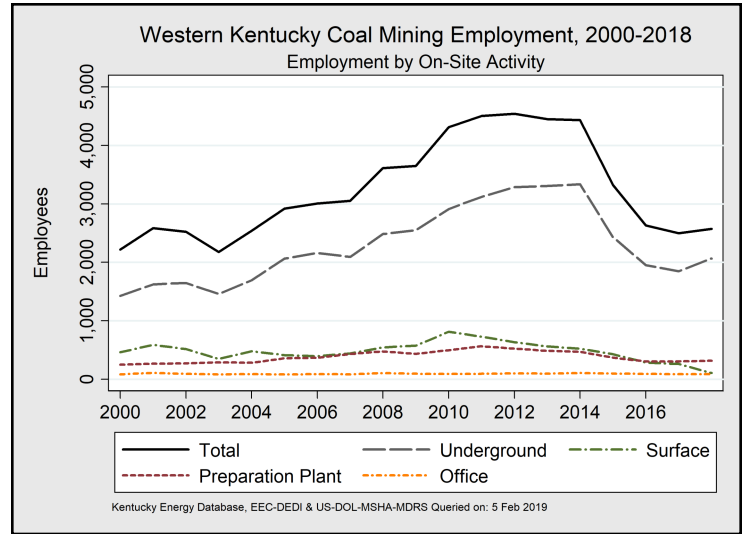
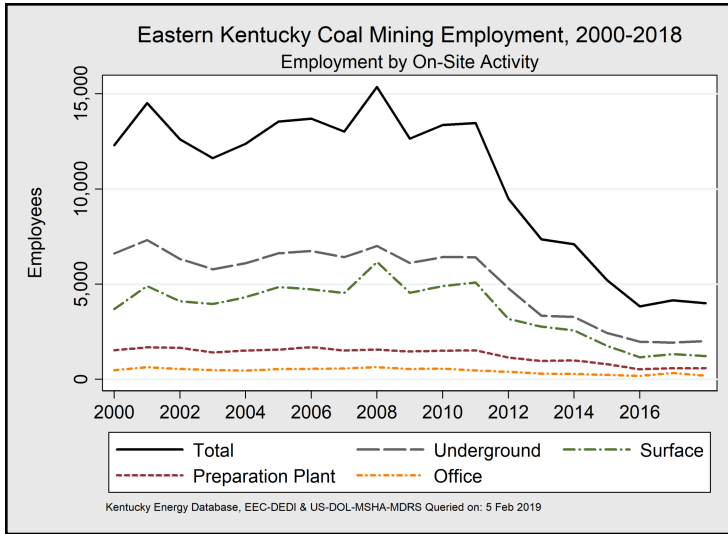
In 2018, annual coal output increased at underground operations while surface mining operations experienced declines - by 2.0 and 67 percent respectively.

Underground coal production in western Kentucky for the fourth quarter of 2018 was 5.5 million tons, an increase of 3.2 percent for the quarter. Surface production decreased by 3.0 percent from the third quarter of 2018 to 176 thousand tons.

The top coal producing county in Kentucky was Union County. In 2018, Union County produced 9.7 million tons, a 8.8 percent increase for the year. Ohio County suffered a significant decline in annual coal output for 2018, falling 33.6 percent to 2.7 million tons. Daviess County saw an increase annual production, boosting output 36.7 percent to over 255 thousand tons.

Kentucky Coal Mine Employment

October to December



East Counties	Q4 Employment	YOY Change	Quarter Change
Total	3,995	-3.7%	+2.0%
Pike	938	-18.6%	-2.9%
Harlan	891	+6.3%	+15.6%
Perry	719	+5.1%	+4.7%
Bell	353	+4.8%	+22.6%
Floyd	260	+20.9%	+7.4%
Leslie	255	-1.2%	-16.1%
Whitley	106	-25.4%	-21.5%
Knott	104	+13.0%	-2.8%
Letcher	96	-19.3%	-2.0%
Martin	81	+92.9%	+32.8%
Knox	54	-21.7%	-6.9%
Johnson	44	-47.6%	-13.7%
Boyd	32	+18.5%	+6.7%
Lawrence	19	-32.1%	-48.7%
Clay	15	+7.1%	+0.0%
Breathitt	13	+8.3%	+0.0%
Morgan	7	-12.5%	+0.0%
Magoffin	4	-73.3%	-90.5
McCreary	4	+0.0%	+0.0%

West Counties	Q4 Employment	YOY Change	Quarter Change
Total	2,574	+3.0%	+1.7%
Union	792	+20.2%	+8.2%
Hopkins	471	+2.8%	+0.6%
Muhlenberg	402	+14.2%	+1.8%
Ohio	320	-33.2%	-13.3%
Webster	308	+2.0%	+2.7%
McLean	190	+15.9%	+3.8%
Marshall	51	+10.9%	+15.9%
Daviess	26	+30.0%	+4.0%
Livingston	14	+7.7%	-

Description	Q4 Employment	YOY Change	Quarter Change
Kentucky Total	6,569	-1.2%	+1.9%
Underground	4,069	+7.9%	+4.0%
Surface	1,327	-16.1%	-4.4%
Preparation Plant	896	+1.4%	+2.5%
Office	277	-32.6%	+0.7%

As of December 31, 2018, an estimated 6,569 persons were employed at coal mines within Kentucky. Although employment increased by 1.9 percent during the final quarter of 2018, coal employment decreased by 1.2 percent when compared with the fourth quarter of 2017. Reductions in employment include layoffs, furloughs, and temporarily idling of coal mines.

As of December 31, 2018, there were 3,995 persons employed at eastern Kentucky coal mines, an increase of 2.0 percent from the third quarter of 2018. Coal mines in western Kentucky increased employment by 1.7 percent to 2,574 in the final quarter of 2018. 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		
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	6,610	6,556	41,772,547	11,453,590	4,050	3,962	18,166,989	4,693,886	2,560	2,594	23,605,558	6,759,704		
	Q2		6,566				10,548,621				3,962		4,599,698	2,604	5,948,923
	Q3		6,669				9,808,457				4,127		4,225,133	2,542	5,583,324
	Q4		6,649				9,961,879				4,150		4,648,272	2,499	5,313,607
2018	Q1	6,409	6,316	39,587,320	10,242,102	3,964	3,970	16,922,960	4,484,349	2,445	2,346	22,664,360	5,757,753		
	Q2		6,303				9,980,909				3,972		4,369,501	2,331	5,611,408
	Q3		6,448				9,729,315				3,918		4,165,629	2,530	5,563,686
	Q4		6,569				9,634,994				3,995		3,903,481	2,574	5,731,513

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 Q4-2018 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