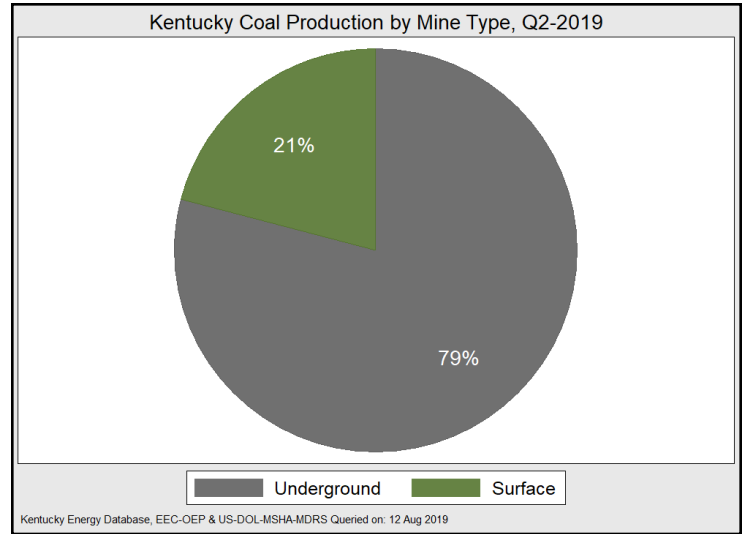
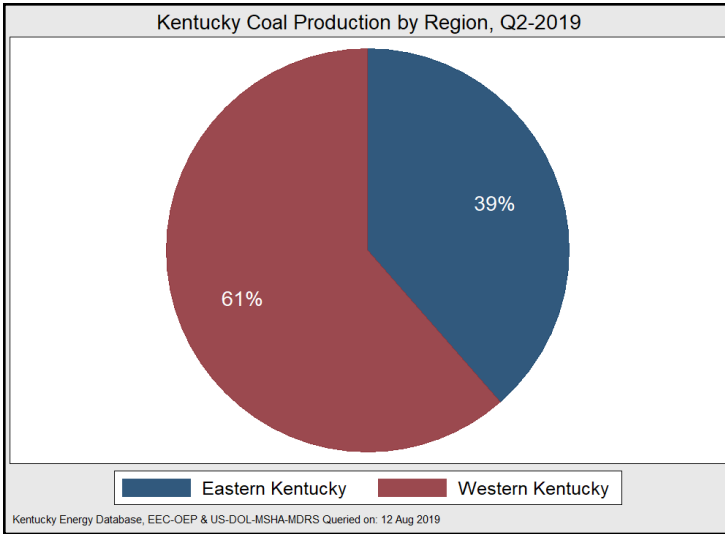


Kentucky Quarterly Coal Report

April to June 2019

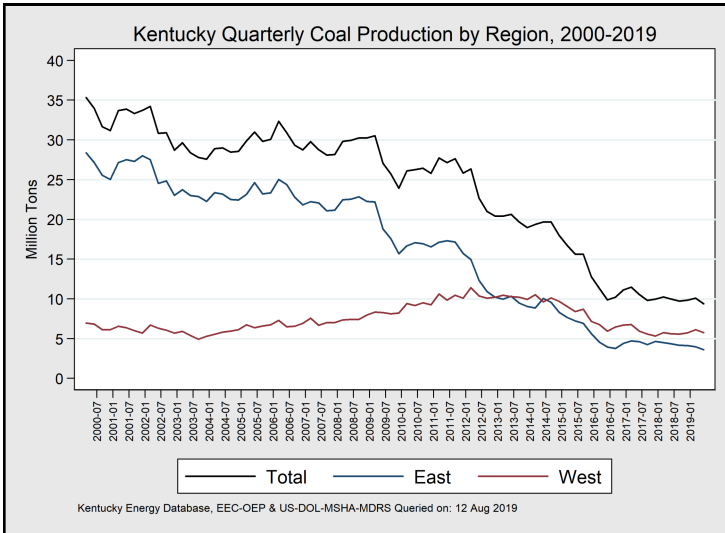


Region	Q2 Tonnage	YOY Change	Quarter
Total	9,369,867	-5.88%	-7.19%
West KY	5,761,365	+2.67%	-5.77%
East KY	3,608,502	-16.92%	-9.38%

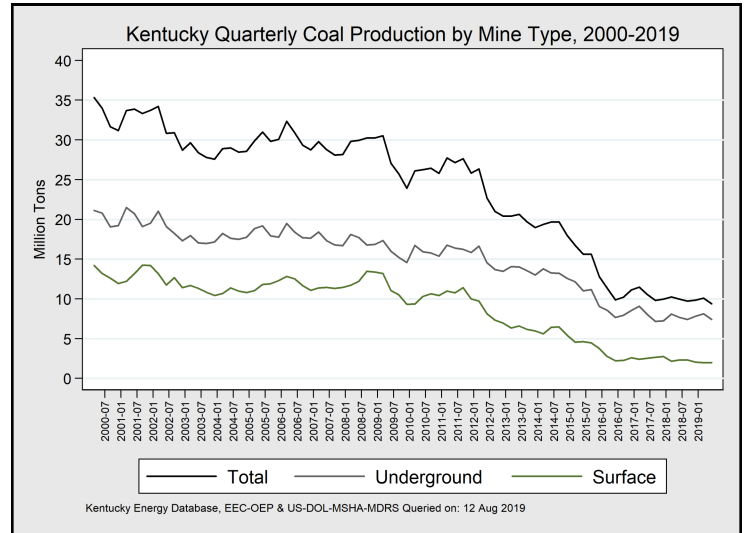
Second quarter production declined by 7.19 percent from the first quarter; year-over-year production decreased by 5.88 percent.

Mine Type	Q2 Tonnage	YOY Change	Quarter
Total	9,369,867	-5.88%	-7.19%
Underground	7,407,101	-3.25%	-8.64%
Surface	1,962,766	-14.63%	-1.31%

Coal production at underground mines totaled 7.4 million tons during the second quarter of 2019, a decrease of 3.25 percent from the previous year.



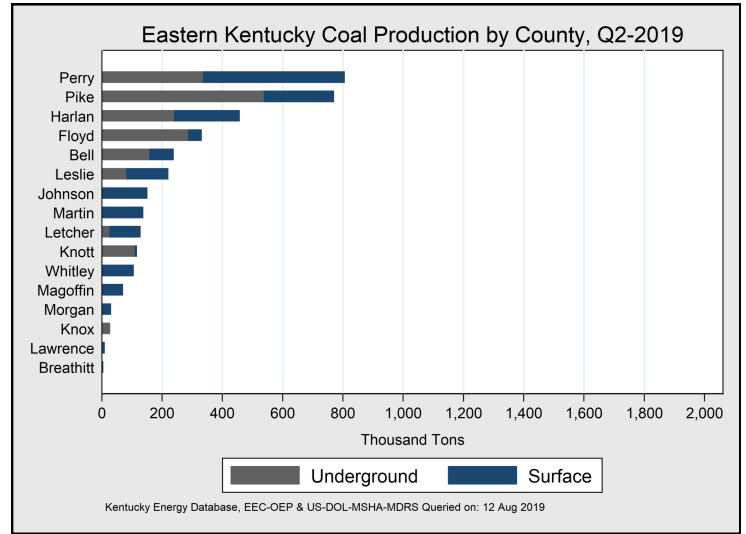
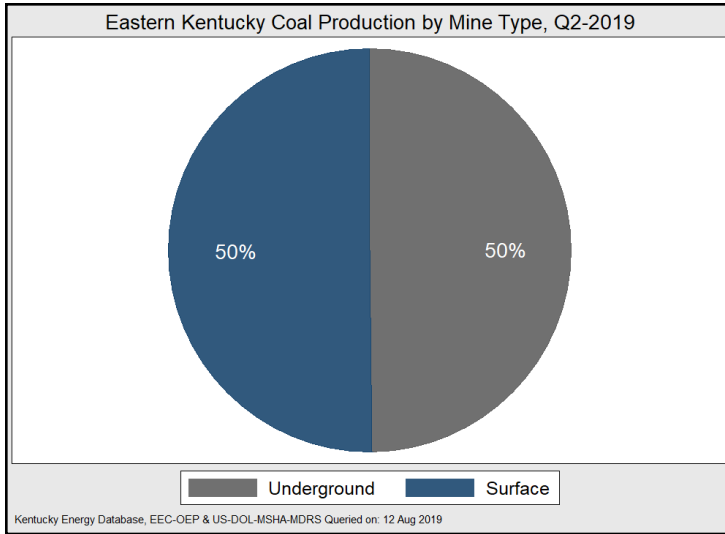
Eastern Kentucky decreased output by 9.38 percent from the first quarter of 2019 to 3.6 million tons. Western Kentucky decreased output by 5.77 percent to just over 5.7 million tons. Western Kentucky mines accounted for 61 percent of the Kentucky coal production while eastern Kentucky accounted for 39 percent.



In the second quarter of 2019, surface mines in Kentucky produced over 1.9 million tons of coal, a 14.63 percent decrease from the second quarter of 2018. Underground mines accounted for 79 percent of coal production in the Commonwealth, while surface mines contributed 21 percent.

Eastern Kentucky Coal Production

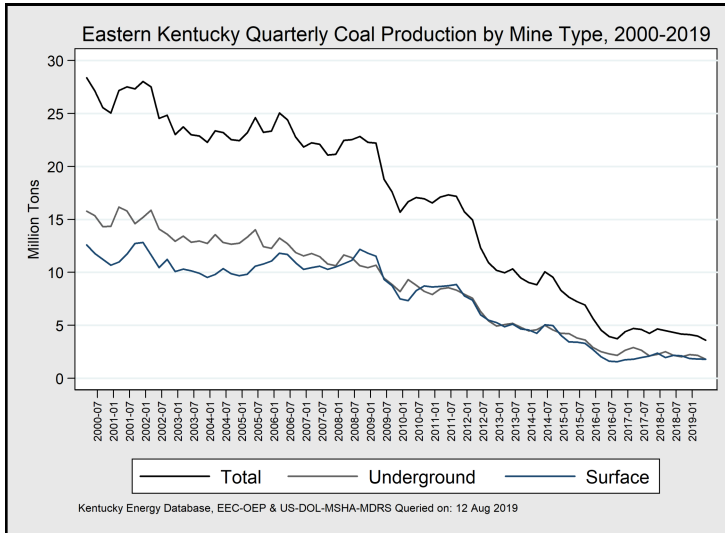
April to June 2019



Mine Type	Q2 Tonnage	YOY Change	Quarter
Total	3,608,502	-16.92%	-9.38%
Underground	1,798,833	-16.93%	-16.79%
Surface	1,809,669	-16.91%	-0.58%

Eastern County	Q2 Tons	YOY Change	Quarter Change
Perry	814,659	-15.0%	+1.2%
Pike	715,209	-31.2%	-11.7%
Harlan	451,935	-45.9%	-37.7%
Floyd	316,151	+48.3%	+22.2%
Bell	238,566	+17.2%	+18.0%
Leslie	221,201	-42.6%	-35.1%
Johnson	151,405	+55.0%	+44.3%
Knott	151,035	+4.8%	-11.8%
Whitley	137,558	+5.3%	+34.3%
Martin	137,522	-	+15.5%
Letcher	89,469	-30.1%	-33.5%
Magoffin	86,283	-29.6%	-27.2%
Knox	52,025	+85.5%	+122.9%
Morgan	30,894	+14.8%	+9.5%
Lawrence	9,820	-46.3%	-35.0%
Breathitt	4,770	-59.8%	-35.5%

Underground production in eastern Kentucky decreased by 16.93 percent from the previous year.

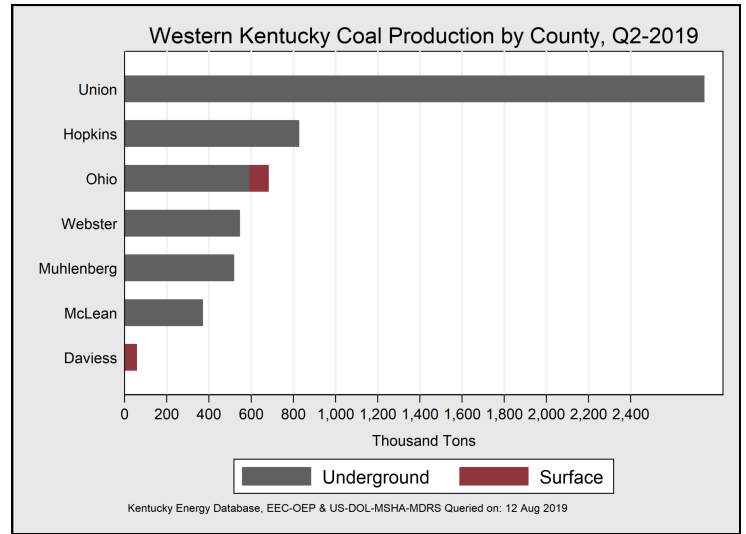
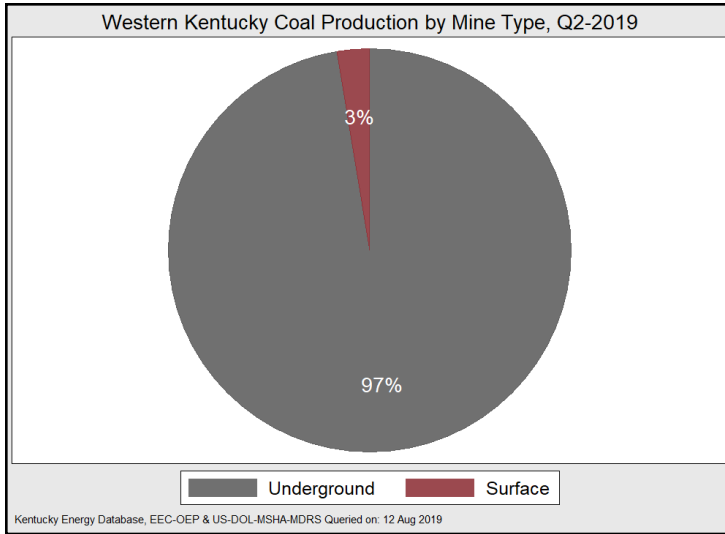


Quarterly surface production decreased by 0.58 percent from the first quarter of 2019 and decreased by 16.91 percent from the previous year. Surface mines produced just over 1.8 million tons.

Preliminary data indicate that Perry County was the top coal producing county in eastern Kentucky during the second quarter of 2019 by mining just over 800,000 tons, a 15 percent decrease from the previous year and 1.2 percent increase from the previous quarter. Pike County produced 100,000 tons less than Perry County to rank second in coal production in eastern Kentucky. Harlan remained in third in production with 450,000 tons but suffered the largest year-over-year decrease at 45.9 percent.

Western Kentucky Coal Production

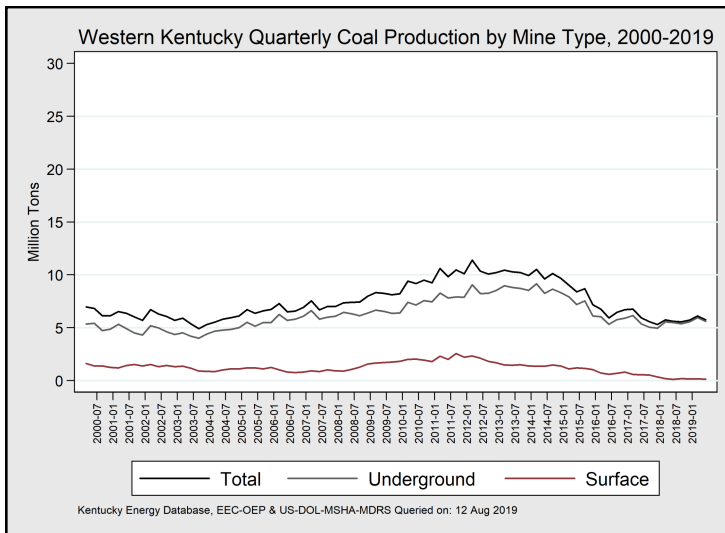
April to June 2019



Mine Type	Q2 Tonnage	YOY Change	Quarter
Total	5,761,365	+2.67%	-5.77%
Underground	5,608,268	+2.15%	-5.68%
Surface	153,097	+26.52%	-9.23%

Coal production in western Kentucky underground mines increased by 2.15 percent from the previous year.

County	Q2 Tonnage	YOY Change	Quarter Change
Union	2,749,868	+20.7%	-10.1%
Hopkins	828,227	-7.4%	-11.5%
Ohio	683,545	-2.2%	+2.7%
Webster	546,856	-8.4%	+19.2%
Muhlenberg	519,445	-30.6%	-11.3%
McLean	371,499	+8.9%	+10.4%
Daviess	61,925	+14.0%	-14.9%



Western Kentucky coal production increased by 2.67 percent from the second quarter of 2018, to just over 5.6 million tons. Underground production decreased by 5.68 percent from the first quarter of 2019, while surface mining operations showed a decrease of 9.23 percent to 153,000 tons.

Union County mined 2.7 million tons of coal during the second quarter of 2019, a 20.7 percent increase from the previous year.



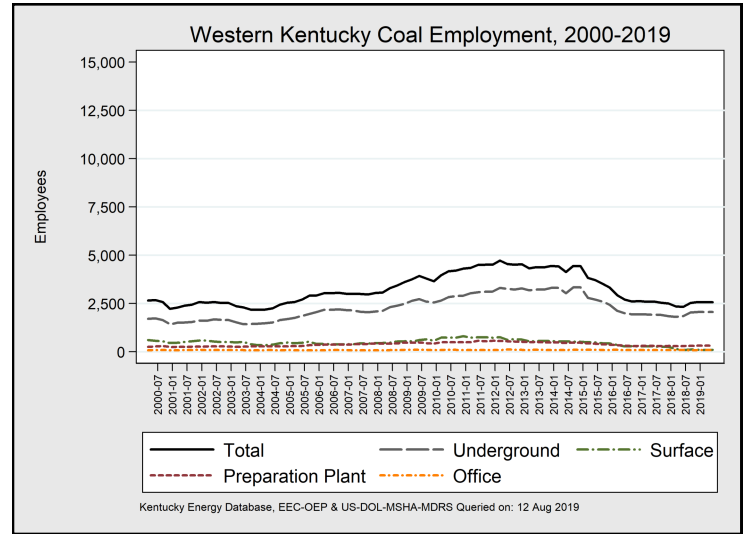
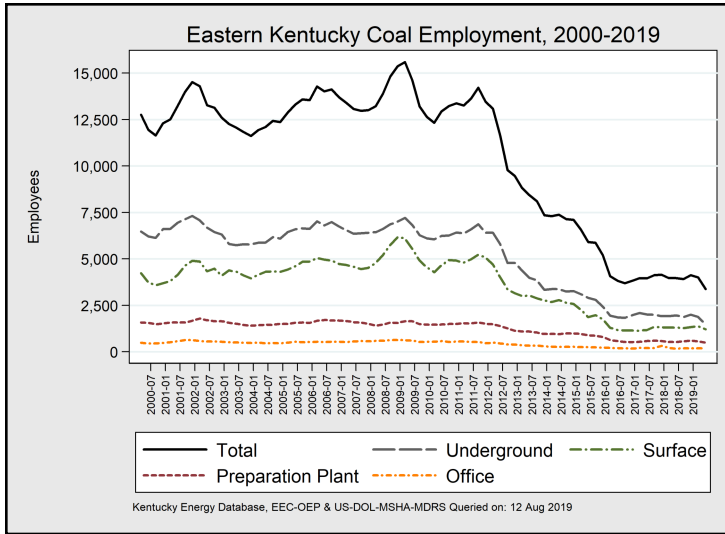
Photo courtesy of the Kentucky Coal Association

Union County experienced the largest year-over-year production increase at 20.7 percent. Webster County had the largest quarterly increase at 19.2 percent.

Muhlenberg County experienced the largest year-over-year decrease at 30.6 percent.

Kentucky Coal Mine Employment

April to June 2019



East KY	Q2	YOY Change	Quarter Change
Total	3,367	-602 -15.2%	-638 -15.9%
Pike	874	-58 -6.2%	-74 -7.8%
Perry	629	-13 -2.0%	+2 +0.3%
Harlan	436	-506 -53.7%	-411 -48.5%
Bell	353	+116 +48.9%	+25 +7.6%
Floyd	257	+26 +11.3%	+11 +4.5%
Leslie	160	-156 -49.4%	-79 -33.1%
Whitley	144	+1 +0.7%	+8 +5.9%
Letcher	100	-11 -9.9%	-28 -21.9%
Martin	99	-30 -23.3%	-48 -32.7%
Knott	93	+45 +93.8%	+2 +2.2%
Johnson	60	+8 +15.4%	+6 +11.1%
Magoffin	43	-2 -4.4%	-3 -6.5%
Knox	38	-25 -39.7%	-23 -37.7%
Boyd	30	+14 +87.5%	-7 -18.9%
Lawrence	16	-11 -40.7%	-10 -38.5%
Morgan	16	+9 +128.6%	+8 +100%
Breathitt	8	+5 +166.7%	-1 -11.1%
Clay	5	-11 -68.8%	-15 -75.0%
McCreary	4	+0 +0.0%	+0 +0.0%
Laurel	2	-3 -60.0%	+0 +0.0%

West KY	Q2	YOY Change	Quarter Change
Total	2,575	+241 +10.3%	-2 <0.1%
Union	904	+217 +31.6%	+25 +2.8%
Hopkins	446	-3 -0.7%	+7 +1.6%
Ohio	342	+56 +19.6%	+9 +2.7%
Muhlenberg	297	-77 -20.6%	-74 -19.9%
McLean	262	+98 +59.8%	+36 +15.9%
Webster	230	-61 -21.0%	-7 -3.0%
Marshall	51	+7 +15.9%	+0 +0.0%
Daviess	30	+3 +11.1%	+2 7.1%
Livingston	13	+1 +8.3%	+0 +0.0%

Description	Q2	YOY Change	Quarter Change
KY Total	5,942	-361 -5.7%	-640 -9.7%
Underground	3,552	-262 -6.9%	-398 -10.1%
Surface	1,315	-87 -6.2%	-147 -10.1%
Preparation Plant	812	-14 -1.7%	-79 -8.9%
Office	263	+2 +0.8%	-16 -5.7%

Eastern Kentucky coal mines decreased employment by 602 jobs or 15.2 percent on a year over year basis. Western Kentucky increased employment by 241 jobs or 10.3 percent on a year over year basis. Western Kentucky decreased employment by 2 jobs or 0.1 percent from the previous quarter.

During the second quarter of 2019, Kentucky coal mines decreased total employment by 640 jobs, a 9.7 percent decrease from the first quarter of 2019. On a year over year basis, Kentucky coal mines decreased total employment by 5.7 percent or 361 jobs.

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	Q2	17,139	17,116	104,577,935	26,242,724	12,971	12,950	67,242,271	17,071,633	4,168	4,166	37,335,664	9,171,091						
	Q3													17,440	26,433,912	13,231	16,939,430	4,209	9,494,482
	Q4													17,696	25,805,300	13,374	16,556,277	4,322	9,249,023
2011	Q1	18,110	17,612	108,340,516	27,725,338	13,637	13,248	67,316,391	17,114,716	4,473	4,364	41,024,125	10,610,622						
	Q2													18,127	27,152,236	13,626	17,313,601	4,501	9,838,635
	Q3													18,733	27,641,241	14,219	17,174,895	4,514	10,466,346
	Q4													17,967	25,821,701	13,456	15,713,179	4,511	10,108,522
2012	Q1	15,583	17,824	90,448,712	26,356,466	11,000	13,095	48,402,397	14,956,939	4,583	4,729	42,046,315	11,399,527						
	Q2													16,186	22,687,243	11,639	12,331,238	4,547	10,356,005
	Q3													14,304	20,993,690	9,790	10,915,025	4,514	10,078,665
	Q4													14,018	20,411,313	9,475	10,199,195	4,543	10,212,118
2013	Q1	12,558	13,140	79,683,609	20,403,497	8,175	8,814	38,814,241	9,957,255	4,383	4,326	40,869,368	10,446,242						
	Q2													12,816	20,624,451	8,427	10,340,648	4,389	10,283,803
	Q3													12,469	19,680,181	8,101	9,470,974	4,368	10,209,207
	Q4													11,806	18,975,480	7,357	9,045,364	4,449	9,930,116
2014	Q1	11,589	11,722	76,740,086	19,372,306	7,234	7,297	36,795,403	8,852,466	4,355	4,425	39,944,683	10,519,840						
	Q2													11,510	19,683,067	7,385	10,071,026	4,125	9,612,041
	Q3													11,581	19,682,907	7,142	9,566,001	4,439	10,116,906
	Q4													11,541	18,001,806	7,110	8,305,910	4,431	9,695,896
2015	Q1	9,488	10,407	60,791,102	16,718,319	5,891	6,581	27,467,100	7,668,728	3,597	3,826	33,324,002	9,049,591						
	Q2													9,624	15,634,890	5,908	7,238,639	3,716	8,396,251
	Q3													9,398	15,634,072	5,877	6,927,477	3,521	8,706,595
	Q4													8,523	12,803,821	5,199	5,632,256	3,324	7,171,565
2016	Q1	6,571	7,008	42,540,702	11,311,376	3,851	4,073	16,657,057	4,546,838	2,720	2,935	25,883,645	6,764,538						
	Q2													6,527	9,882,346	3,823	3,944,018	2,704	5,938,328
	Q3													6,297	10,212,737	3,687	3,748,312	2,610	6,464,425
	Q4													6,451	11,134,243	3,819	4,417,889	2,632	6,716,354
2017	Q1	6,609	6,562	41,829,615	11,467,775	4,050	3,968	18,224,057	4,708,071	2,560	2,594	23,605,558	6,759,704						
	Q2													6,563	10,565,507	3,959	4,616,584	2,604	5,948,923
	Q3													6,667	9,822,188	4,125	4,238,864	2,542	5,583,324
	Q4													6,645	9,974,145	4,146	4,660,538	2,499	5,313,607
2018	Q1	6,443	6,311	39,777,967	10,248,836	3,994	3,965	17,118,843	4,491,083	2,449	2,346	22,659,124	5,757,753						
	Q2													6,303	9,954,929	3,969	4,343,521	2,334	5,611,408
	Q3													6,454	9,733,857	3,917	4,167,821	2,537	5,566,036
	Q4													6,703	9,840,345	4,126	4,116,418	2,577	5,723,927
2019	Q1	6,582	6,582	10,096,281	10,096,281	4,005	4,005	3,981,954	3,981,954	2,577	2,577	6,114,327	6,114,327						
	Q2													5,942	9,369,867	3,367	3,608,502	2,575	5,761,365

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 Q2-2019 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.