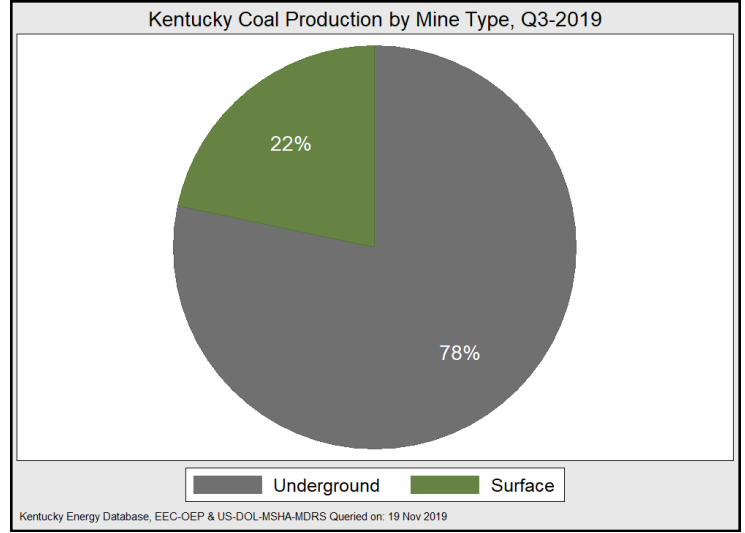
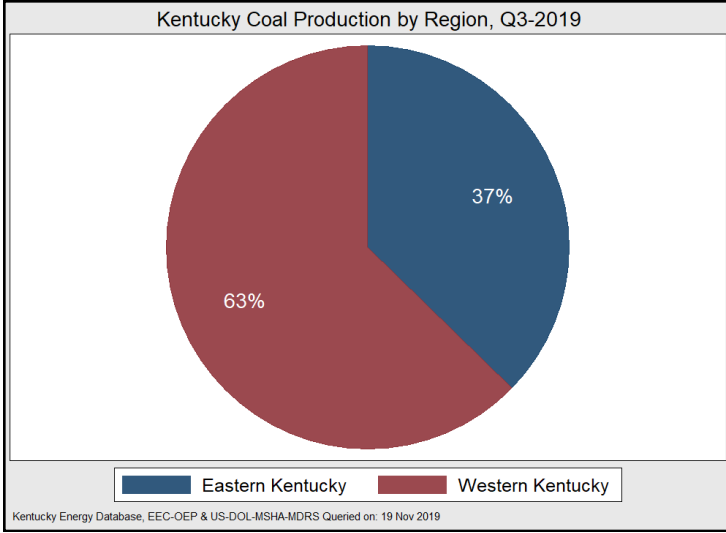


Kentucky Quarterly Coal Report

July to September 2019

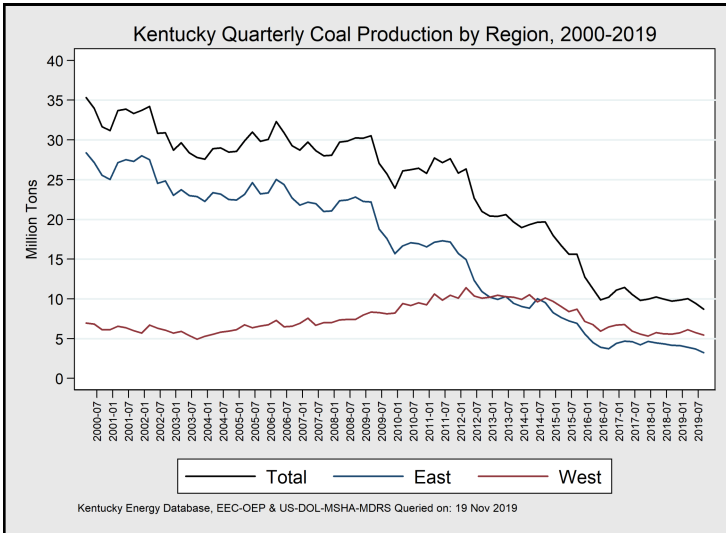


Region	Q3 Tonnage	YOY Change	Quarter Change
Total	8,713,610	-10.5%	-7.9%
West KY	5,466,879	-1.8%	-5.1%
East KY	3,246,731	-22.1%	-12.2%

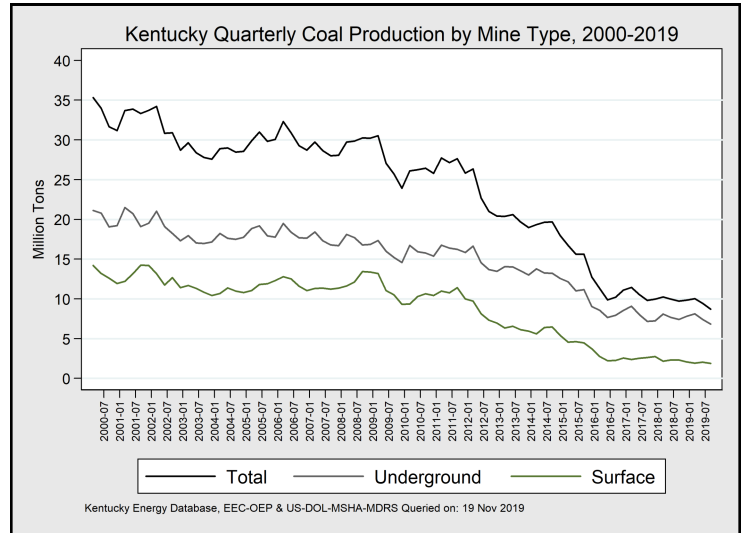
Third quarter production declined by 7.9% from the second quarter; year-over-year production decreased by 10.5%.

Mine Type	Q3 Tonnage	YOY Change	Quarter Change
Total	8,713,610	-10.5%	-7.9%
Underground	6,824,621	-8.1%	-8.0%
Surface	1,888,989	-18.0%	-7.5%

Coal production at underground mines totaled 6.8 million tons during the third quarter of 2019, a decrease of 8% from the previous year.



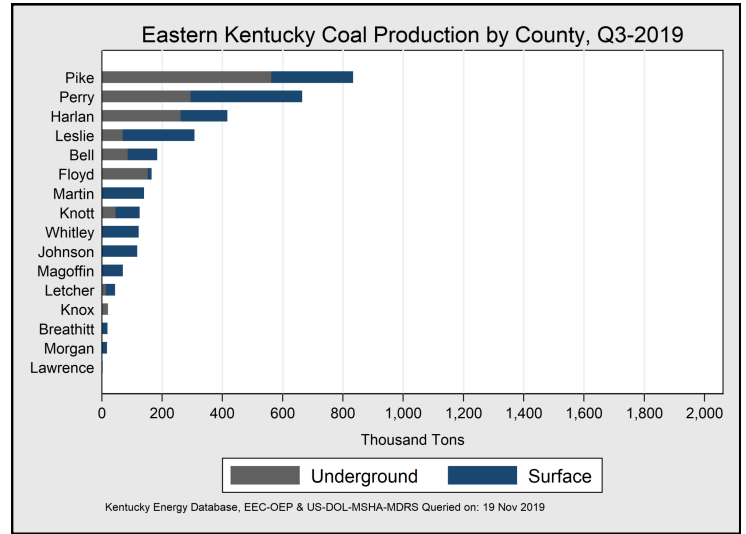
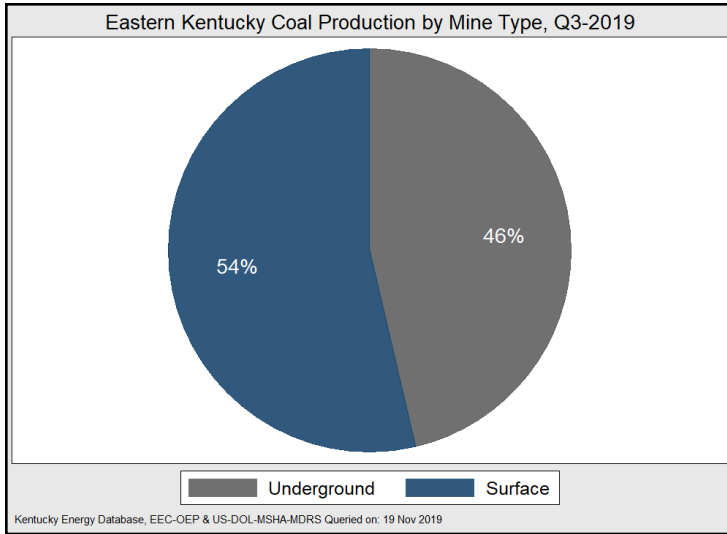
Eastern Kentucky decreased output by 12.2% from the second quarter of 2019 to 3.2 million tons. Western Kentucky decreased output by 5.1% to just over 5.4 million tons. Western Kentucky mines accounted for 63% of Kentucky coal production while eastern Kentucky accounted for 37%.



In the third quarter of 2019, surface mines in Kentucky produced over 1.8 million tons of coal, an 18% decrease from the third quarter of 2018. Underground mines accounted for 78% of coal production in the Commonwealth, while surface mines contributed 22%.

Eastern Kentucky Coal Production

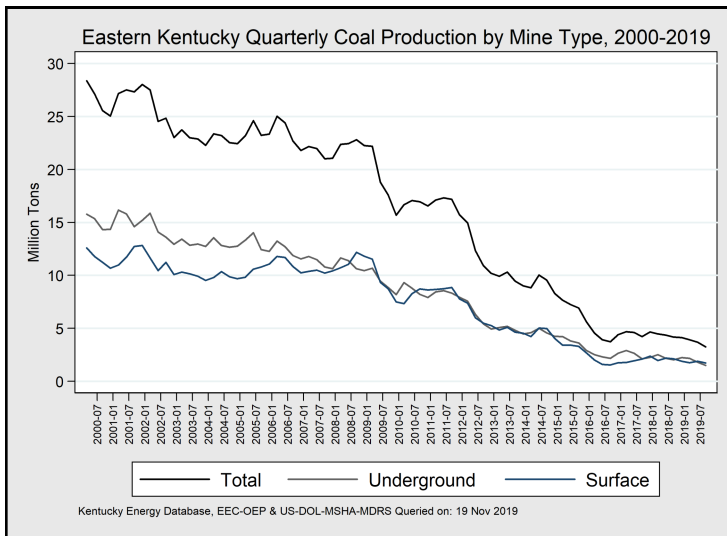
July to September 2019



Mine Type	Q3 Tonnage	YOY Change	Quarter Change
Total	3,246,731	-22.1%	-12.2%
Underground	1,505,304	-26.5%	-16.8%
Surface	1,741,427	-17.9%	-7.8%

Eastern County	Q3 Tons	YOY Change	Quarter Change
Pike	785,278	-15.7%	+8.8%
Perry	664,585	-27.3%	-17.9%
Harlan	414,280	-50.1%	-8.3%
Leslie	307,214	-2.8%	-0.5%
Knott	204,947	+42.5%	+3.7%
Bell	160,015	-1.2%	-32.9%
Floyd	152,329	-37.0%	-51.8%
Whitley	147,377	+25.6%	+7.1%
Martin	140,433	+175.4%	+2.1%
Johnson	117,246	+41.6%	-22.6%
Magoffin	82,618	-40.9%	-4.2%
Knox	31,179	-54.4%	-45.7%
Letcher	19,197	-82.4%	-48.3%
Morgan	16,876	-44.8%	-45.4%
Lawrence	2,361	-91.3%	-76.0%
Breathitt	796	-	-83.3%

Underground production in eastern Kentucky decreased by 26.5% from the previous year.

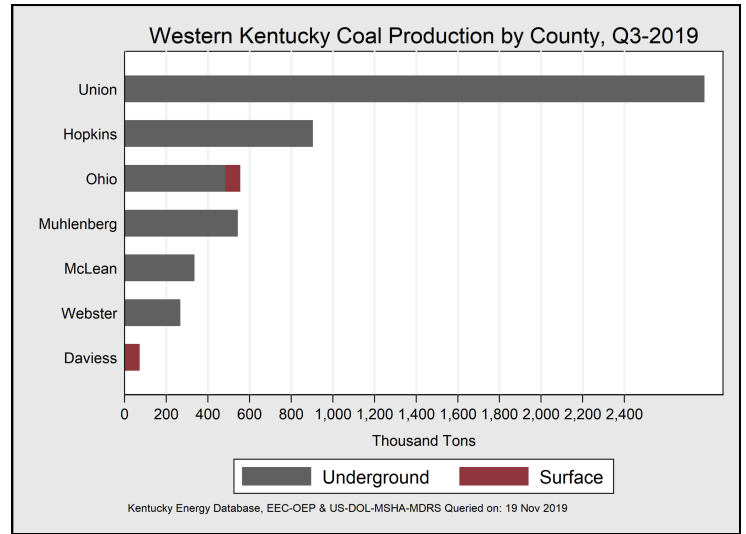
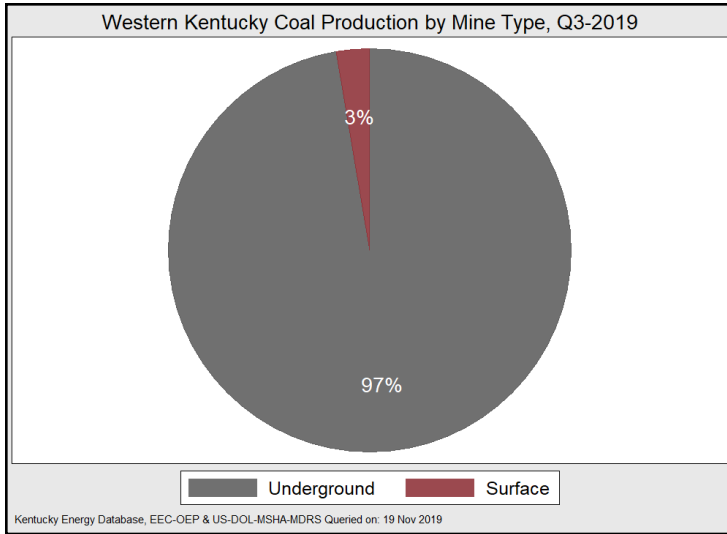


Quarterly surface production decreased by 22.1% from the previous year. Surface mines produced just over 1.5 million tons, a 26.5% decrease on a year-over-year basis. Surface production accounted for 54% of Eastern Kentucky production.

Preliminary data indicate that Pike County was the top coal producing county in eastern Kentucky during the third quarter of 2019 by mining just over 785,000 tons, a 15.7% decrease from the previous year and 8.8% 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 414,000 tons but suffered a large year-over-year decrease at 50.1%.

Western Kentucky Coal Production

July to September 2019



Mine Type	Q3 Tonnage	YOY Change	Quarter Change
Total	5,466,879	-1.8%	-5.1%
Underground	5,319,317	-1.2%	-5.2%
Surface	147,562	-19.9%	-3.6%

County	Q3 Tonnage	YOY Change	Quarter Change
Union	2,785,018	+14.3%	+1.3%
Hopkins	904,175	+14.3%	+9.2%
Ohio	555,373	-16.9%	-18.8%
Muhlenberg	544,099	-17.7%	+4.7%
McLean	335,890	+14.5%	-9.6%
Webster	267,733	-57.6%	-51.0%
Daviess	74,591	-12.3%	+20.5%

Coal production in western Kentucky underground mines decreased by 1.2% from the previous year.

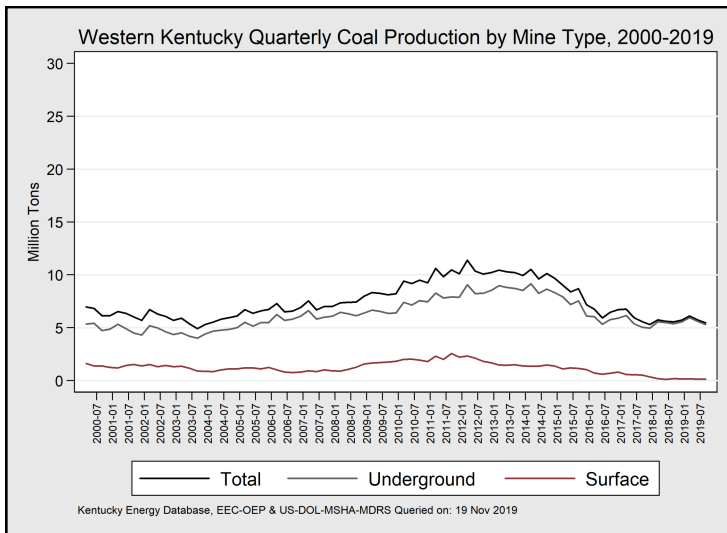


Photo courtesy of the Kentucky Coal Association

Western Kentucky coal production decreased by 1.8% on a year-over-year basis, to just over 5.3 million tons. Underground production decreased by 1.2% on a year-over-year basis. Surface mining operations showed a decrease of 19.9% from the third quarter of 2018 to 147,000 tons.

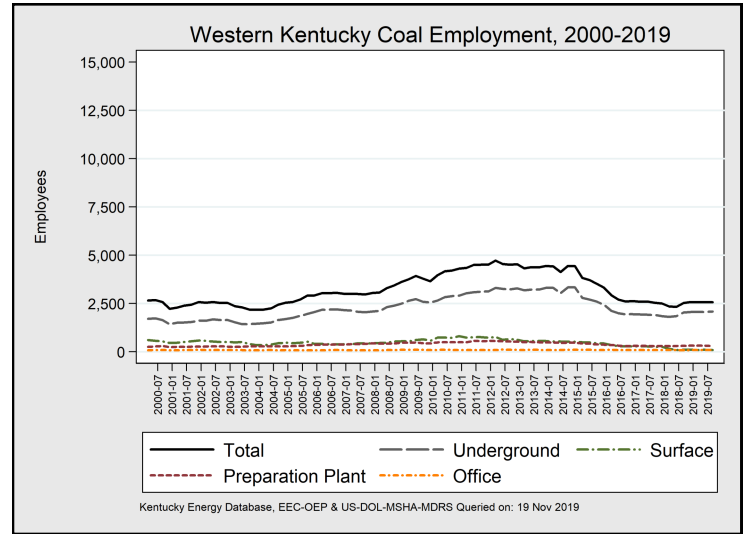
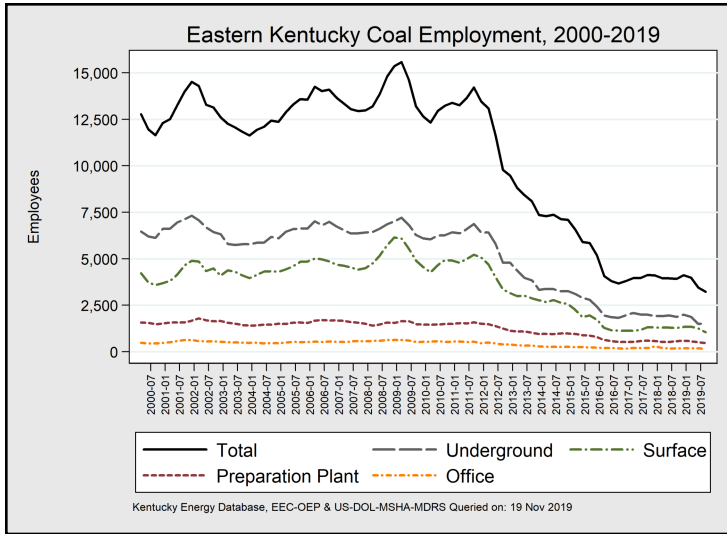
Union County mined 2.7 million tons of coal during the third quarter of 2019, a 14.3% increase from the previous year.

Union County led coal production in Western Kentucky with 2.7 million tons of production. Hopkins County produced 1.8 million tons less to rank second in coal production.

McLean County experienced the largest year-over-year production increase at 14.5%. Webster County had the largest quarterly decrease at 51.0%.

Kentucky Coal Mine Employment

July to September 2019



East KY	Q3	YOY Change	Quarter Change
Total	3,223	-691 -17.7%	-225 -6.5%
Pike	907	-61 -6.3%	+28 +3.2%
Perry	640	-11 -1.7%	+14 +2.2%
Harlan	423	-346 -45.0%	-15 -3.4%
Floyd	217	-21 -8.8%	-40 -15.6%
Leslie	197	-103 -34.3%	+7 +3.7%
Bell	188	-90 -32.4%	-165 -46.7%
Knott	154	+28 +22.2%	+19 +14.1%
Whitley	114	-37 -24.5%	-30 -20.8%
Letcher	93	-16 -14.7%	+1 +1.1%
Martin	90	+29 47.5%	-3 -3.2%
Knox	43	-24 -35.8%	+2 +4.9%
Johnson	42	-9 -17.6%	-18 -30.0%
Magoffin	35	-11 -23.9%	-9 -20.5%
Boyd	29	-1 -3.3%	-1 -3.3%
Clay	22	+7 +46.7%	+2 +10.0%
Morgan	13	+6 +85.7%	-3 -18.8%
Breathitt	6	+2 +50.0%	-2 -25.0%
McCreary	4	+0 +0.0%	+0 +0.0%
Lawrence	4	-33 -89.2%	-12 -75.0%
Laurel	2	+0 +0.0%	+0 +0.0%

West KY	Q3	YOY Change	Quarter Change
Total	2,569	+32 +1.3%	-9 -0.3%
Union	929	+197 +26.9%	+25 +2.8%
Hopkins	508	+40 +8.5%	+62 +13.9%
Ohio	332	-37 -10.0%	-13 -3.8%
McLean	289	+106 +57.9%	+27 +10.3%
Muhlenberg	261	-138 -34.6%	-36 -12.1%
Webster	174	-126 -42.0%	-56 -24.3%
Marshall	44	+0 +0.0%	-7 -13.7%
Daviess	32	+4 +14.3%	+2 +6.7%

Description	Q3	YOY Change	Quarter Change
KY Total	5,792	-659 -10.2%	-234 -3.9%
Underground	3,608	-300 -7.7%	+44 1.2%
Surface	1,150	-244 -17.5%	-212 -15.6%
Preparation Plant	771	-103 -11.8%	-58 -7.0%
Office	263	-12 -4.4%	-8 -3.0%

Eastern Kentucky coal mines decreased employment by 691 jobs or 17.7% on a year-over-year basis. Western Kentucky increased employment by 32 jobs or 1.3% on a year-over-year basis. Western Kentucky decreased employment by 9 jobs or 0.3 percent from the previous quarter.

During the third quarter of 2019, Kentucky coal mines decreased total employment by 234 jobs, a 3.9% decrease from the second quarter of 2019. On a year-over-year basis, Kentucky coal mines decreased total employment by 10.2% or 659 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	Q3	17,139	17,440	104,577,935	26,433,912	12,971	13,231	67,242,271	16,939,430	4,168	4,209	37,335,664	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	6,434	6,306	39,783,643	10,235,329	3,986	3,960	17,124,519	4,477,576	2,449	2,346	22,659,124	5,757,753
	Q2		6,282		9,961,604		3,948		4,350,196		2,334		5,611,408
	Q3		6,451		9,733,129		3,914		4,167,093		2,537		5,566,036
	Q4		6,698		9,853,581		4,121		4,129,654		2,577		5,723,927
2019	Q1	6,563	6,563	10,028,666	10,028,666	3,986	3,986	3,914,339	3,914,339	2,577	2,577	6,114,327	6,114,327
	Q2		6,026		9,458,467		3,448		3,697,102		2,578		5,761,365
	Q3		5,792		8,713,610		3,223		3,246,731		2,569		5,466,879

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 Q3-2019 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.