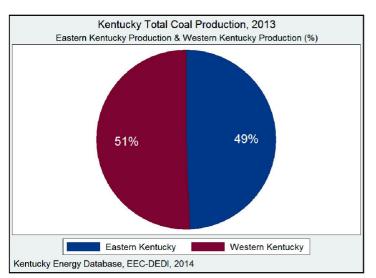
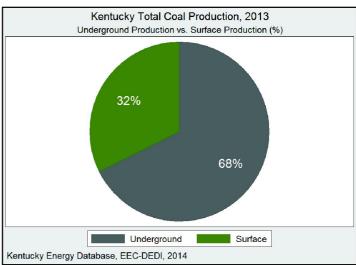
## Kentucky Quarterly Coal Report

October to December 2013



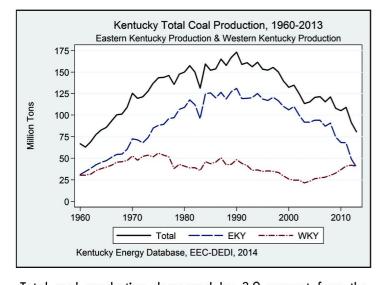


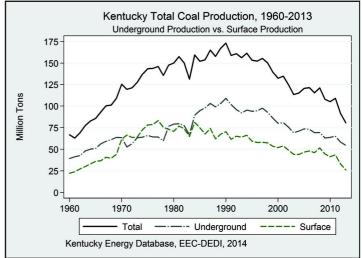
Region	2013 Tonnage	Annual Change			
Total	80,724,543	-11.6%			
Western Kentucky	40,878,967	-2.8%			
Eastern Kentucky	39,845,576	-19.2%			

Mine Type	2013 Tonnage	Annual Change			
Total	80,724,543	-11.6%			
Underground	54,608,126	-6.4%			
Surface	26,116,41 <i>7</i>	-20.8%			

Preliminary data indicate that Kentucky coal mines produced 80.7 million tons in 2013, a decrease of 11.6 percent from 2012.

Coal production at underground mines slowed to 54.6 million tons in 2013, a decrease of 6.4 percent. Surface mines produced 26.1 million tons, a decrease of 20.8 percent.



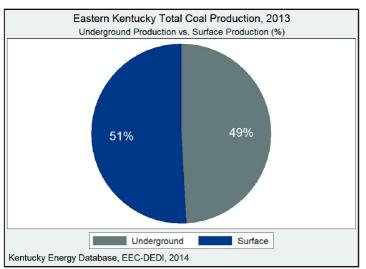


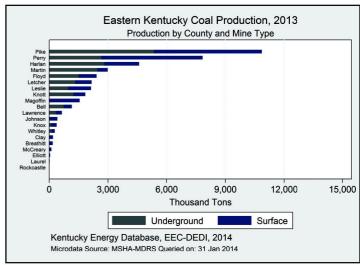
Total coal production decreased by 3.9 percent from the third to fourth quarter of 2013 to a quarterly rate of 19.1 million tons, 9.9 and 9.2 million tons in western and eastern Kentucky respectively.

During the fourth quarter of 2013, Kentucky produced coal from underground mines at a rate of 13 million tons per quarter, a decrease of 3.9 from the third quarter. Coal production at surface mining operations slowed to 6.1 million tons per quarter.

## **Eastern Kentucky Coal Production**

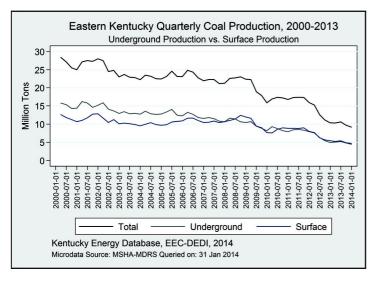
October to December 2013





Mine Type	2013 Tonnage	Annual Change
Total	39,845,576	-19.2%
Surface	20,284,540	-19.5%
Underground	19,561,036	-19.0%

Eastern Kentucky coal production decreased in 2013 by 19.2 percent to 39.9 million tons of coal, 51 percent from surface mines and 49 percent from underground mines.



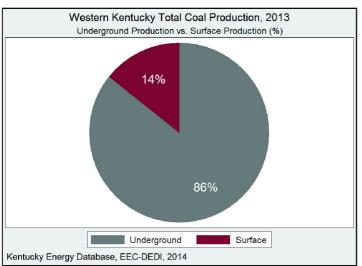
Eastern County	2013 Tonnage	Quarter Change
Pike	10,866,320	-16.9%
Perry	7,840,068	-15.1%
Harlan	4,591,120	-35%
Martin	2,987,669	-16.7%
Floyd	2,419,580	-1.2%
Letcher	2,162,749	-27.9%
Leslie	2,136,704	-30.8%
Knott	1,843,011	-23.4%
Magoffin	1,551,124	-23%
Bell	1,1 <i>5</i> 6,997	-1.2%
Lawrence	643,970	+170.6%
Johnson	414,912	+26.6%
Knox	380,039	-41%
Whitley	285,761	+1.9%
Clay	190,001	-35.3%
Breathitt	180,251	-37.4%
McCreary	111,242	+250.4%
Elliott	46,421	+1,837.4%
Laurel	24,196	+91.6%
Rockcastle	13,441	+172.6%

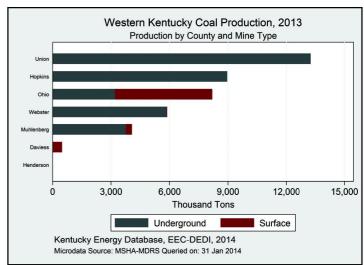
Production slowed at both surface and underground mining operations, by 19.5 and 19.0 percent mines respectively. The rate of Eastern Kentucky coal production during the fourth quarter of 2013 was 9.2 million tons.

Pike County remained the largest coal producing county in Eastern Kentucky and the second largest producing county overall, producing over 10.9 million tons during 2013.

## **Western Kentucky Coal Production**

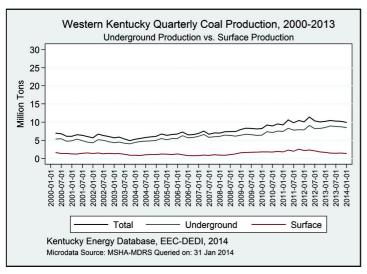
October to December 2013





Mine Type	2013 Tonnage	Annual Change			
Total	40,878,967	-2.2% +2.8%			
Underground	35,047,090				
Surface	<i>5</i> ,831,8 <i>77</i>	-23.4%			

Western Kentucky mined 41 million tons in 2013, 86 percent from underground. Underground mining increased by 2.8 percent, while surface mining decreased by 23.4 percent.

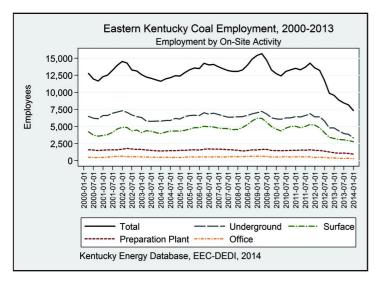


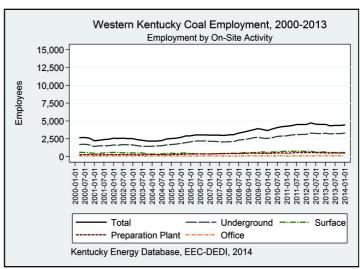
Western Kentucky coal production decreased by 2.7 percent during 2013. The rate of coal production for the fourth quarter of 2013 was 9.9 million tons per quarter. Union County remained Kentucky's leading coal producing county, producing nearly 13.3 million tons during 2013.

Western County	2013 Tonnage	Annual Change		
Union	13,265,620	-1.6%		
Hopkins	8,963,894	+0.2%		
Ohio	8,197,105	+13.4%		
Webster	5,880,279	+5.9%		
Muhlenberg	4,073,837	-16.7%		
Daviess	484,569	+22.6%		
Henderson	13,663	-99.1%		

## **Kentucky Coal Mine Employment**

October to December 2013





Eastern Counties	Q4 Employment	Annual Ch	nange
Total	7,332	-2,232	-23.4%
Pike	1,859	-514	-21.7%
Perry	1,209	-321	21.0%
Harlan	929	-495	-34.8%
Martin	644	-77	-10.7%
Floyd	504	-42	-7.7%
Letcher	383	-226	-37.1%
Bell	364	-84	-18.7%
Knott	262	-60	-18.6%
Leslie	254	-399	-61.1%
Magoffin	1 <i>75</i>	-11	-5.9%
Knox	1 <i>75</i>	-49	-21.9%
Whitley	154	+63	69.2%
Lawrence	145	+62	74.7%
Boyd	76	-8	-9.5%
Johnson	73	+5	7.4%
Clay	45	-21	-31.8%
Breathitt	40	-22	-35.5%
McCreary	25	-10	-28.6%
Elliott	10	+10	+0.0%
Estill	6	+6	+100%

Western Counties	Q4 Employment	Annual C	Change
Total	4,449	-94	-2.10%
Union	1,328	+36	+2.8%
Hopkins	975	-22	-2.2%
Ohio	838	+128	+18.0%
Webster	669	-38	-5.4%
Muhlenberg	477	-99	-17.2%
Marshall	50	+0	0%
Daviess	43	+0	+0%
Livingston	37	-15	-28.9%
McLean	22	+14	+63.6%
Henderson	10	-98	-90.7%

Description	Q4 Employment	Annual Change		
Kentucky Total	11, <b>7</b> 81	-2,326 -16.5%		
Underground	6,632	-1,436	-17.8%	
Surface	3,330	-554	-14.3%	
Preparation Plant	1,438	-234	-14.0%	
Office	381	-102	-21.1%	

Kentucky coal mines reduced on-site employment by 2,326 workers, or 16.5 percent, during 2013. As of December 2013, an estimated 11,781 persons are employed at Kentucky coal mines. Layoffs included 1,990 coal miners, 1,436 underground and 554 surface. Coal preparation plants reduced employment by 234, while on-site office staff were reduced by 102.

Eastern Kentucky coal mines reduced total employment by 2,232 persons, or 23.4 percent, during the twelve months of 2013. Coal mines in western Kentucky decreased total employment by 94 jobs.

			Kentucky Total Eastern		astern l	Kentuck	У	Western Kentucky							
	Date		Averd Employ		Tons of Coal Produced		Average Employment			Tons of Coal Produced		Average Employment		Tons of Coal Produced	
ı			Annual	Quarter	Annual	Quarter	Annual	Quarter	Annual	Quarter	Annual	Quarter	Annual	Quarter	
		Q1		16,449		29,857,552		13,449		22,302,720		3,000		7,554,832	
	2007	Q2 16,194	16,179	115,408,135	29,012,344	13,189	13,182	87,140,740	22,330,520	3,005	2,997	28,267,395	6,681,824		
	2007	Q3	10,194	16,031	113,408,133	28,226,908	13,109	13,061	87,140,740	21,207,510	3,003	2,970	28,207,393	7,019,398	
L		Q4		16,116		28,311,331		13,065		21,299,990		3,051		7,011,341	
		Q1		16,365		30,003,678		13,286		22,637,880		3,079		7,365,798	
		Q2	17740	1 <i>7</i> ,269	121,059,852	30,179,429	14,390	13,973	00 00 4 000	22,771,390	2.257	3,296	20 174 052	7,408,039	
	2006	Q3	1 <i>7,</i> 748	18,328	121,039,632	30,483,824	14,390	14,884	90,884,900	23,057,080	3,357	3,444	30,174,952	7,426,744	
		Q4		19,028		30,392,921		15,418		22,418,550		3,610		7,974,371	
		Q1		19,422		30,611,297		15,668		22,278,700		3,754	32,952,099	8,332,597	
١,		Q2	17,877	18,624	107 007 410	27,178,480	14004	14,696	74025220	18,912,420	3,783	3,928		8,266,060	
	2009	Q3	17,877	17,079	107,887,419	25,993,920	14,094	13,282	74,935,320	17,865,250		3,797		8,128,670	
		Q4		16,381		24,103,722		12,730		15,878,950		3,651		8,224,772	
		Q1		16,290		26,138,293		12,400		16,921,040	4 109	3,890	36,895,607	9,217,253	
	2010	Q2	17 100	1 <i>7</i> ,133	105,169,487	26,297,751	13,072	13,062	68,273,880	17,358,670		4,071		8,939,081	
	2010	Q3	1 <i>7</i> ,180	1 <i>7,</i> 519	105,169,487	26,700,882		13,310		17,206,400		4,209		9,494,482	
		Q4		1 <i>7,77</i> 8		26,032,561		13,514		16,787,770		4,264		9,244,791	
		Q1		17,670		27,909,620		13,31 <i>7</i>		17,303,260		4,353		10,606,360	
,	2011	Q2	18,183	18,170	108,950,570	27,215,910	13,716	13,674	67,939,800	17,379,090		4,496	41,010,770	9,836,820	
	2011	Q3	10,103	18,794	108,930,370	27,778,980	13,/10	14,285	67,939,800	17,315,100	4,467	4,509	41,010,770	10,463,880	
L		Q4		18,096		26,046,060		13,588		15,942,350		4,508		10,103,710	
		Q1		1 <i>7</i> ,943		26,654,700		13,214		15,255,170		4,729		11,399,530	
	2012	Q2	15,679	16,287	91,331,390	22,935,560	11,095	11,740	49,285,070	12,579,560	4,583	4,547	42,046,320	10,356,000	
	2012	Q3	15,679	14,377	91,331,390	21,172,280	11,093	9,863	49,265,070	11,093,610	4,565	4,514	42,046,320	10,078,670	
		Q4		14,107		20,568,850		9,564		10,356,730		4,543		10,212,120	
		Q1		13,197		20,775,760		8,871		10,329,510		4,326		10,446,242	
	2013	Q2	12,589	12,849	80,724,543	20,912,300	9 205	8,457	39,845,576	10,624,190	4,384	4,392	40,878,967	10,288,110	
ľ	2013	Q3	12,309	12,528	00,/ 24,543	19,909,430	8,205	8,160	37,043,3/0	9,700,223	4,304	4,368	40,0/0,70/	10,209,207	
		Q4	11,781		19,126,940		7,332		9,191,653	4,449	4,449	9	9,935,408		

Note: Production and employment data for Q4-2013 as well as 2013 annual totals are preliminary and subject to revision. Data for previous dates have been revised. energy.ky.gov