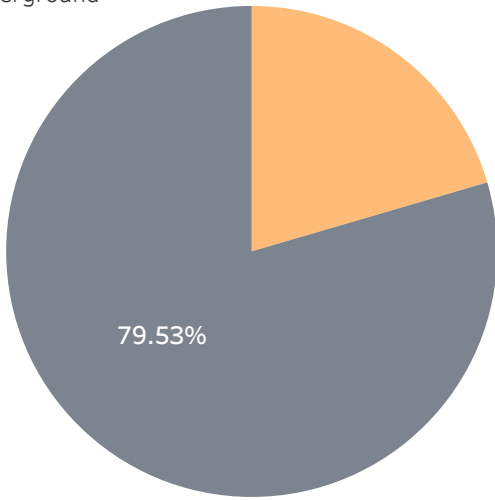
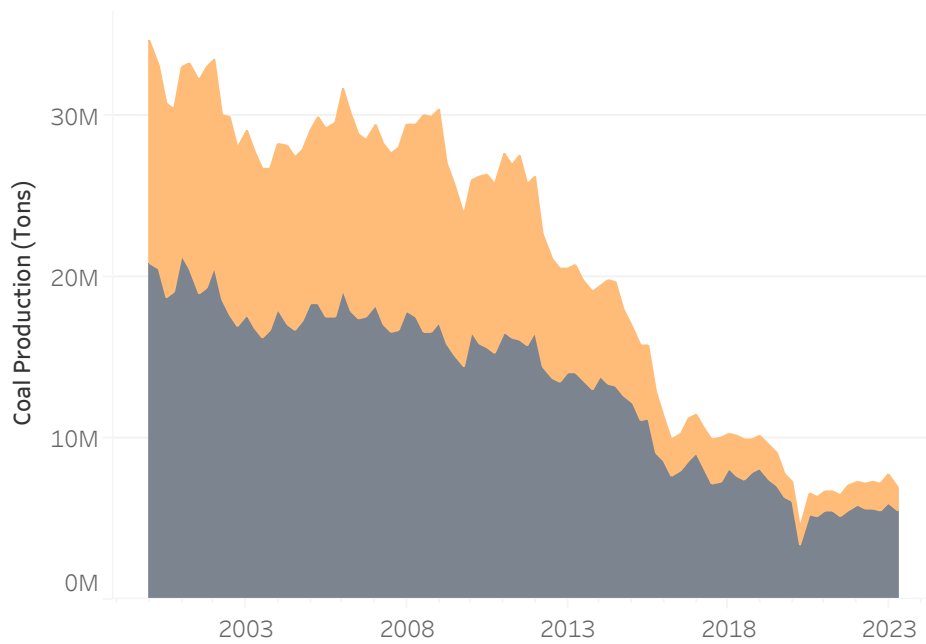


# Kentucky Quarterly Coal Report (2023 - Q2)

Mine Type  
 Surface  
 Underground

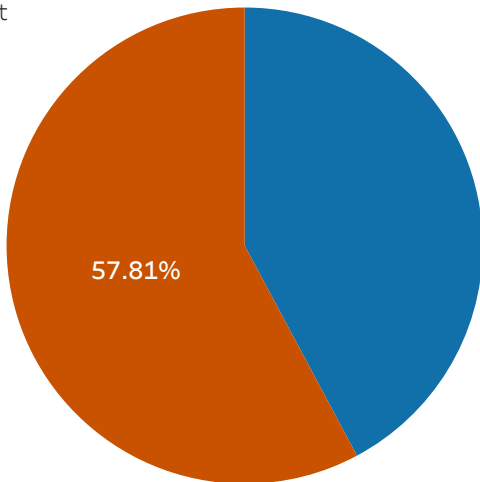


## Coal Production by Mine Type (2000 - Q1 to 2023 - Q2)

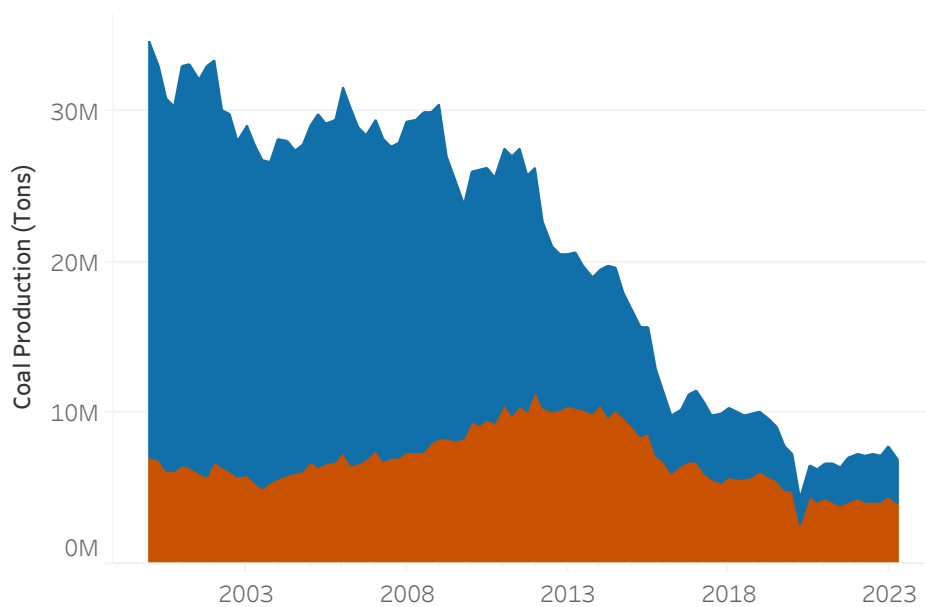


	Production	YoY change	Qtr change
<b>Total</b>	6,865,359	- 3.81%	- 11.10%
<b>Underground</b>	5,460,294	- 2.95%	- 8.30%
<b>Surface</b>	1,405,065	- 6.98%	- 20.54%

Region  
 East  
 West



## Coal Production by Region (2000 - Q1 to 2023 - Q2)

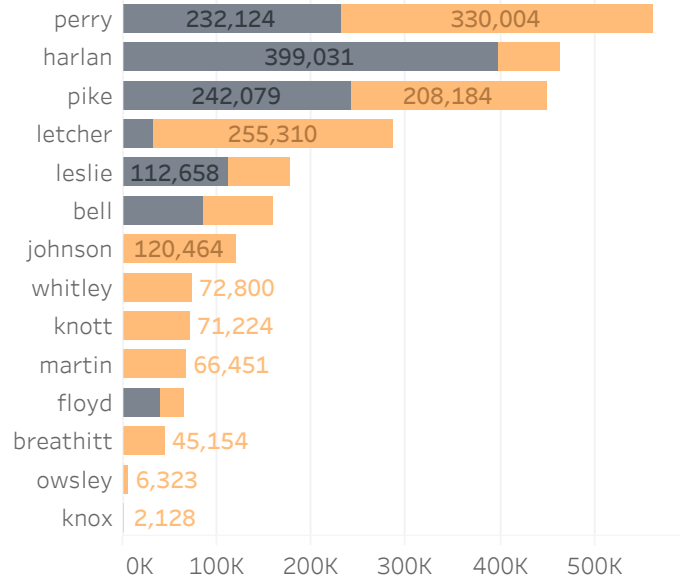
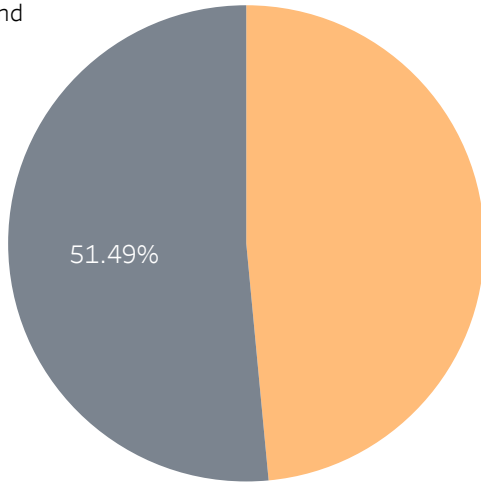


	Production	YoY change	Qtr change
<b>Total</b>	6,865,359	- 3.81%	- 11.10%
<b>East</b>	2,896,365	- 7.15%	- 12.04%
<b>West</b>	3,968,994	- 1.21%	- 10.40%

# Eastern Kentucky (2023 - Q2)

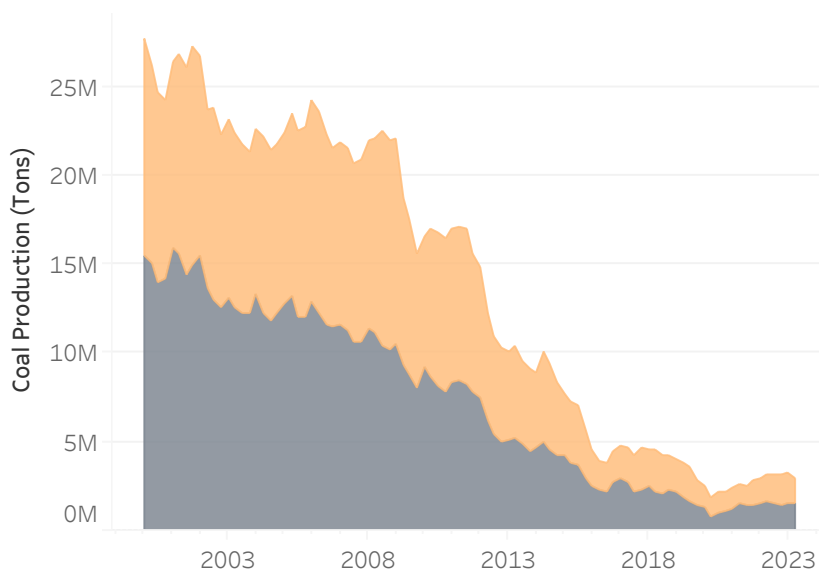
## Mine Type

- Surface
- Underground



	Production	YoY change	Qtr change
<b>Total</b>	2,896,365	- 7.15%	- 12.04%
<b>Surface</b>	1,405,065	- 6.98%	- 20.54%
<b>Underground</b>	1,491,300	- 7.31%	- 2.18%

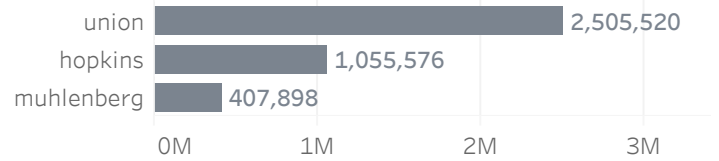
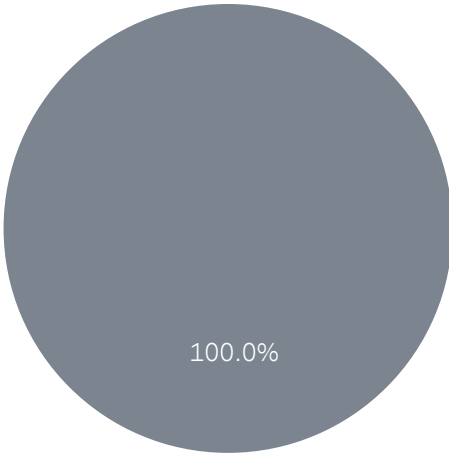
Eastern Kentucky Coal Production (2000 - Q1 to 2023 - Q2)



	County Coal Production	YoY change	Qtr change
<b>EKY Total</b>	2,896,365	- 7.15%	- 12.04%
<b>pike</b>	797,509	- 8.13%	- 5.06%
<b>perry</b>	562,128	- 3.09%	+ 1.83%
<b>harlan</b>	464,221	- 19.24%	- 12.96%
<b>letcher</b>	287,863	- 9.98%	- 38.65%
<b>leslie</b>	176,620	+ 74.58%	+ 48.44%
<b>bell</b>	158,238	- 31.17%	- 19.63%
<b>johnson</b>	120,464	- 11.82%	+ 12.47%
<b>whitley</b>	72,800	+ 73.85%	- 32.27%
<b>knott</b>	71,224	- 14.71%	- 28.96%
<b>martin</b>	66,451	+ 558.91%	+ 0.61%
<b>floyd</b>	65,242	- 40.23%	+ 3.77%
<b>breathitt</b>	45,154	+ 227.56%	- 28.91%
<b>owsley</b>	6,323		
<b>knox</b>	2,128	- 88.32%	- 90.81%

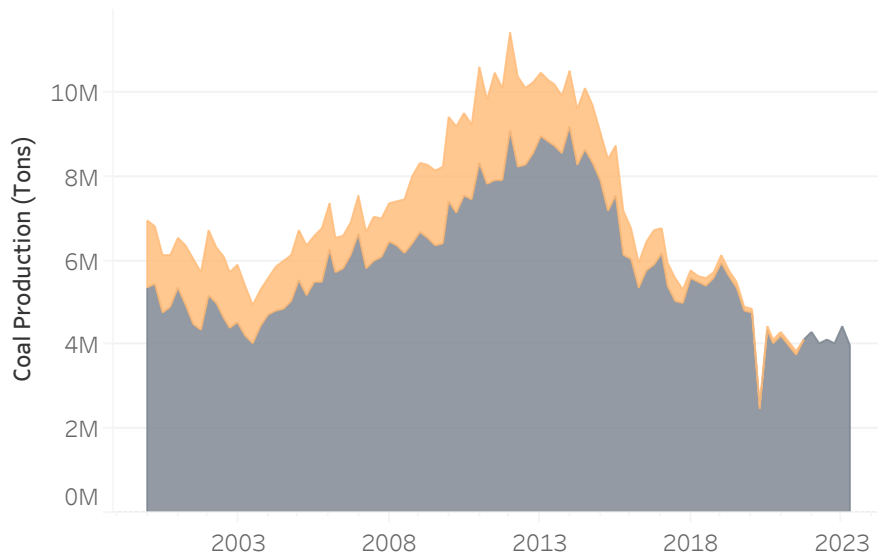
# Western Kentucky (2023 - Q2)

Mine Type  
■ Underground



	Production	YoY change	Qtr change
Total	3,968,994	- 1.21%	- 10.40%
Underground	3,968,994	- 1.21%	- 10.40%
Surface	0		

Western Kentucky Coal Production (2000 - Q1 to 2023 - Q2)

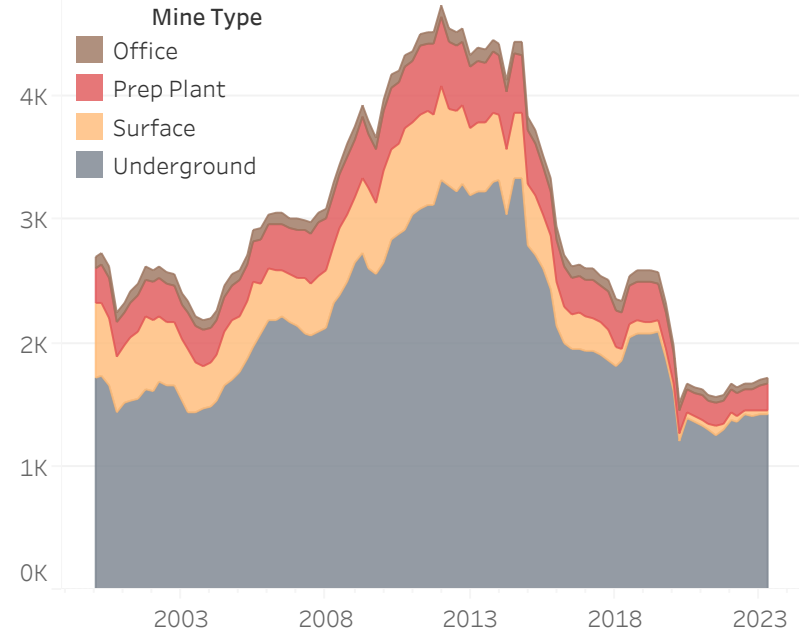
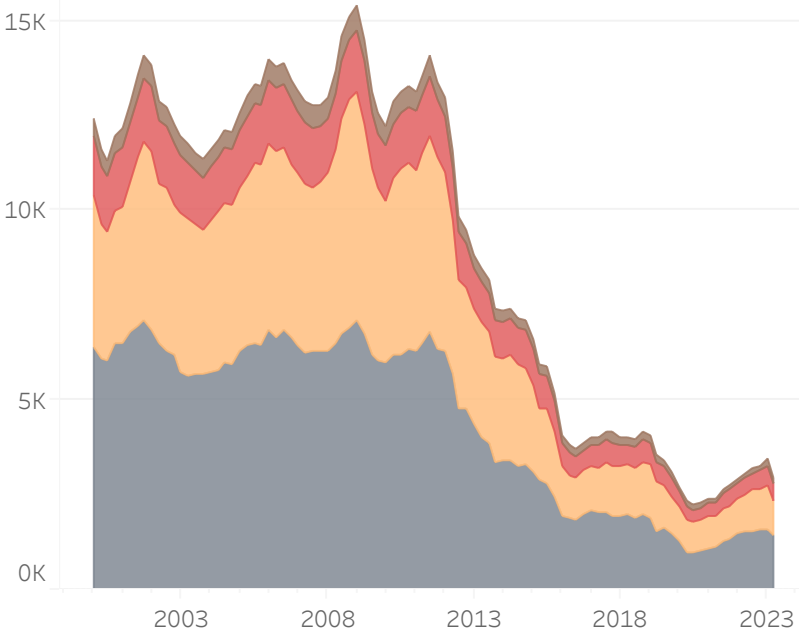


	County Coal Production	YoY change	Qtr change
WKY Total	3,968,994	- 1.21%	- 10.40%
union	2,505,520	+ 2.62%	- 9.41%
hopkins	1,055,576	+ 3.58%	- 8.89%
muhlenberg	407,898	- 26.76%	- 19.34%

# Employment by Region (2023 - Q2)

East Kentucky Employment by Mine Type (2000 - Q1 to 2023 - Q2)

West Kentucky Employment by Mine Type (2000 - Q1 to 2023 - Q2)



	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
<b>EKY Total</b>	2,918	- 4.27%	-130	- 14.9%	-511
pike	1,061	+ 4.02%	+41	- 13.0%	-159
harlan	577	+ 12.70%	+65	- 0.7%	-4
perry	415	- 23.01%	-124	- 3.0%	-13
bell	210	- 28.33%	-83	- 38.4%	-131
leslie	158	+ 27.42%	+34	+ 17.9%	+24
floyd	103	+ 25.61%	+21	+ 25.6%	+21
letcher	99	- 13.91%	-16	- 54.4%	-118
knott	65	- 7.14%	-5	- 12.2%	-9
johnson	46	- 31.34%	-21	- 4.2%	-2
whitley	45	- 42.31%	-33	- 59.1%	-65
martin	42	+ 13.51%	+5	- 12.5%	-6
breathitt	40	+ 300.00%	+30	- 13.0%	-6
knox	26	- 40.91%	-18	- 45.8%	-22
boyd	10	- 28.57%	-4	+ 0.0%	-
clay	7	- 58.82%	-10	+ 0.0%	-
owsley	6				
mccreary	4	-	-	+ 0.0%	-
lawrence	2	- 33.33%	-1	+ 0.0%	-
lee	2	-	-	+ 0.0%	-
magoffin	0	- 100.00%	-4		
morgan	0	- 100.00%	-13	- 100.0%	-11

	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
<b>WKY Total</b>	1,713	+ 5.09%	+83	+ 1.36%	+23
union	889	+ 9.48%	+77	+ 0.79%	+7
hopkins	484	+ 0.41%	+2	- 1.22%	-6
muhlenberg	266	- 0.37%	-1	+ 2.70%	+7
marshall	41	+ 0.00%	-	+ 5.13%	+2
ohio	33	+ 43.48%	+10	+ 65.00%	+13
webster	0		-		-

## Total Employees by Mine Type

	Total Workers	YoY pct change	Qtr pct change
<b>Total</b>	4,432	+ 10.47%	+ 3.24%
<b>Underground</b>	2,756	+ 15.90%	+ 6.70%
<b>Surface</b>	939	+ 1.73%	+ 0.00%
<b>Preparation Plant</b>	566	+ 3.85%	- 5.82%
<b>Office</b>	171	+ 3.01%	+ 0.59%

Coal Production Reference Table										
		West			East			Total		
		Production	YoY change	Qtr change	Production	YoY change	Qtr change	Production	YoY change	Qtr change
2023	Q2	3,968,994	-1.21%	-10.40%	2,896,365	-7.15%	-12.04%	6,865,359	-3.81%	-11.10%
	Q1	4,429,858	+3.50%	+10.01%	3,292,671	+12.29%	+4.82%	7,722,529	+7.08%	+7.74%
2022	Q4	4,026,604	-2.25%	-1.93%	3,141,216	+9.88%	+1.59%	7,167,820	+2.72%	-0.41%
	Q3	4,105,715	+6.94%	+2.19%	3,091,937	+22.53%	-0.88%	7,197,652	+13.12%	+0.85%
	Q2	4,017,548	-1.04%	-6.13%	3,119,377	+20.75%	+6.38%	7,136,925	+7.44%	-1.04%
	Q1	4,279,989	+0.05%	+3.90%	2,932,242	+26.01%	+2.57%	7,212,231	+9.19%	+3.36%
2021	Q4	4,119,150	+0.49%	+7.29%	2,858,762	+32.93%	+13.29%	6,977,912	+11.65%	+9.67%
	Q3	3,839,326	-13.23%	-5.43%	2,523,513	+19.01%	-2.32%	6,362,839	-2.79%	-4.22%
	Q2	4,059,665	+58.45%	-5.10%	2,583,334	+41.91%	+11.02%	6,642,999	+51.58%	+0.58%
	Q1	4,278,043	-11.35%	+4.37%	2,326,942	-5.00%	+8.20%	6,604,985	-9.21%	+5.69%
2020	Q4	4,098,927	-16.08%	-7.37%	2,150,628	-24.59%	+1.42%	6,249,555	-19.22%	-4.52%
	Q3	4,424,915	-19.27%	+72.71%	2,120,427	-40.57%	+16.48%	6,545,342	-27.67%	+49.35%
	Q2	2,562,103	-55.52%	-46.91%	1,820,376	-52.17%	-25.68%	4,382,479	-54.19%	-39.76%
	Q1	4,825,923	-21.07%	-1.19%	2,449,395	-38.35%	-14.12%	7,275,318	-27.88%	-5.96%
2019	Q4	4,884,272	-14.67%	-10.89%	2,852,033	-31.51%	-20.07%	7,736,305	-21.76%	-14.51%
	Q3	5,481,282	-1.52%	-4.84%	3,568,120	-16.11%	-6.26%	9,049,402	-7.84%	-5.41%
	Q2	5,760,256	+2.65%	-5.79%	3,806,324	-15.15%	-4.19%	9,566,580	-5.26%	-5.16%
	Q1	6,114,327	+6.19%	+6.82%	3,972,823	-11.84%	-4.59%	10,087,150	-1.72%	+2.02%
2018	Q4	5,723,927	+7.72%	+2.84%	4,163,936	-10.72%	-2.10%	9,887,863	-0.90%	+0.70%
	Q3	5,566,036	-0.31%	-0.81%	4,253,173	-0.01%	-5.19%	9,819,209	-0.18%	-2.76%
	Q2	5,611,408	-5.67%	-2.54%	4,486,070	-4.12%	-0.45%	10,097,478	-4.99%	-1.62%
	Q1	5,757,753	-14.82%	+8.36%	4,506,269	-4.42%	-3.38%	10,264,022	-10.55%	+2.87%
2017	Q4	5,313,607	-20.89%	-4.83%	4,663,826	+5.61%	+9.64%	9,977,433	-10.38%	+1.43%
	Q3	5,583,324	-13.63%	-6.15%	4,253,798	+13.86%	-9.08%	9,837,122	-3.56%	-7.44%
	Q2	5,948,923	+0.18%	-11.99%	4,678,731	+20.75%	-0.76%	10,627,654	+8.30%	-7.38%
	Q1	6,759,704	-0.07%	+0.65%	4,714,475	+4.41%	+6.76%	11,474,179	+1.72%	+3.07%
2016	Q4	6,716,354	-6.35%	+3.90%	4,416,125	-21.92%	+18.21%	11,132,479	-13.21%	+9.14%
	Q3	6,464,425	-25.75%	+8.86%	3,735,979	-46.61%	-3.58%	10,200,404	-35.05%	+3.95%
	Q2	5,938,328	-29.27%	-12.21%	3,874,615	-46.67%	-14.19%	9,812,943	-37.35%	-13.01%
	Q1	6,764,538	-25.25%	-5.68%	4,515,508	-41.04%	-20.16%	11,280,046	-32.49%	-12.06%
2015	Q4	7,171,565	-26.04%	-17.63%	5,655,854	-31.67%	-19.18%	12,827,419	-28.63%	-18.32%
	Q3	8,706,595	-13.94%	+3.70%	6,997,930	-25.94%	-3.69%	15,704,525	-19.74%	+0.27%
	Q2	8,396,251	-12.65%	-7.22%	7,265,959	-28.02%	-5.12%	15,662,210	-20.52%	-6.26%
	Q1	9,049,591	-13.98%	-6.67%	7,658,287	-14.04%	-7.48%	16,707,878	-14.01%	-7.04%
2014	Q4	9,695,896	-2.36%	-4.16%	8,277,329	-8.89%	-12.40%	17,973,225	-5.48%	-8.14%
	Q3	10,116,906	-0.90%	+5.25%	9,449,265	-0.98%	-6.40%	19,566,171	-0.94%	-0.71%
	Q2	9,612,041	-6.53%	-8.63%	10,094,923	-2.67%	+13.31%	19,706,964	-4.59%	+1.43%
	Q1	10,519,840	+0.70%	+5.94%	8,909,161	-11.14%	-1.94%	19,429,001	-5.10%	+2.17%
2013	Q4	9,930,116	-2.76%	-2.73%	9,085,479	-11.14%	-4.80%	19,015,595	-6.95%	-3.73%
	Q3	10,209,207	+1.30%	-0.73%	9,543,205	-12.71%	-7.99%	19,752,412	-5.99%	-4.37%
	Q2	10,283,803	-0.70%	-1.55%	10,371,558	-15.44%	+3.44%	20,655,361	-8.69%	+0.89%
	Q1	10,446,242	-8.36%	+2.29%	10,026,458	-32.04%	-1.93%	20,472,700	-21.72%	+0.18%
2012	Q4	10,212,118	+1.02%	+1.32%	10,224,016	-34.31%	-6.49%	20,436,134	-20.40%	-2.74%
	Q3	10,078,665	-3.70%	-2.68%	10,933,183	-35.70%	-10.86%	21,011,848	-23.51%	-7.12%
	Q2	10,356,005	+5.26%	-9.15%	12,265,744	-28.22%	-16.86%	22,621,749	-15.98%	-13.50%
	Q1	11,399,527	+7.44%	+12.77%	14,753,095	-12.80%	-5.21%	26,152,622	-5.00%	+1.87%
2011	Q4	10,108,522	+9.29%	-3.42%	15,563,529	-4.99%	-8.47%	25,672,051	+0.17%	-6.54%
	Q3	10,466,346	+10.24%	+6.38%	17,002,965	+1.47%	-0.49%	27,469,311	+4.64%	+2.02%
	Q2	9,838,635	+7.28%	-7.28%	17,087,074	+0.74%	+0.99%	26,925,709	+3.03%	-2.19%
	Q1	10,610,622	+12.63%	+14.72%	16,918,936	+2.52%	+3.29%	27,529,558	+6.19%	+7.42%
2010	Q4	9,249,023	+12.45%	-2.59%	16,380,122	+5.58%	-2.25%	25,629,145	+7.96%	-2.37%
	Q3	9,494,482	+16.80%	+3.53%	16,756,362	-4.25%	-1.21%	26,250,844	+2.42%	+0.45%

Employment Reference Table										
Year	Quarter	West			East			Total		
		Emp	YoY change	Qtr change	Emp	YoY change	Qtr change	Emp	YoY change	Qtr change
2023	Q2	1,713	+ 5.09%	+ 1.36%	2,918	- 4.27%	- 14.90%	4,631	- 1.00%	- 9.53%
	Q1	1,690	+ 1.50%	+ 1.87%	3,429	+ 18.81%	+ 5.18%	5,119	+ 12.48%	+ 4.07%
2022	Q4	1,659	+ 5.33%	- 0.84%	3,260	+ 19.28%	+ 2.29%	4,919	+ 14.18%	+ 1.21%
	Q3	1,673	+ 7.38%	+ 2.64%	3,187	+ 20.67%	+ 4.56%	4,860	+ 15.74%	+ 3.89%
	Q2	1,630	+ 3.56%	- 2.10%	3,048	+ 27.27%	+ 5.61%	4,678	+ 17.86%	+ 2.79%
	Q1	1,665	+ 2.97%	+ 5.71%	2,886	+ 20.25%	+ 5.60%	4,551	+ 13.29%	+ 5.64%
2021	Q4	1,575	- 4.08%	+ 1.09%	2,733	+ 20.45%	+ 3.48%	4,308	+ 10.15%	+ 2.60%
	Q3	1,558	- 6.82%	- 1.02%	2,641	+ 18.80%	+ 10.27%	4,199	+ 7.80%	+ 5.79%
	Q2	1,574	+ 4.65%	- 2.66%	2,395	+ 3.46%	- 0.21%	3,969	+ 3.93%	- 1.19%
	Q1	1,617	- 18.00%	- 1.52%	2,400	- 11.34%	+ 5.77%	4,017	- 14.15%	+ 2.71%
2020	Q4	1,642	- 29.44%	- 1.79%	2,269	- 27.04%	+ 2.07%	3,911	- 28.07%	+ 0.41%
	Q3	1,672	- 34.92%	+ 11.17%	2,223	- 34.89%	- 3.97%	3,895	- 34.90%	+ 1.99%
	Q2	1,504	- 41.66%	- 23.73%	2,315	- 34.27%	- 14.48%	3,819	- 37.39%	- 18.38%
	Q1	1,972	- 23.48%	- 15.26%	2,707	- 33.00%	- 12.96%	4,679	- 29.29%	- 13.94%
2019	Q4	2,327	- 9.70%	- 9.42%	3,110	- 25.06%	- 8.90%	5,437	- 19.18%	- 9.13%
	Q3	2,569	+ 1.26%	- 0.35%	3,414	- 13.61%	- 3.07%	5,983	- 7.80%	- 1.92%
	Q2	2,578	+ 10.45%	+ 0.04%	3,522	- 11.62%	- 12.82%	6,100	- 3.47%	- 7.81%
	Q1	2,577	+ 9.85%	+ 0.00%	4,040	+ 1.23%	- 2.65%	6,617	+ 4.42%	- 1.64%
2018	Q4	2,577	+ 3.12%	+ 1.58%	4,150	+ 0.39%	+ 5.01%	6,727	+ 1.42%	+ 3.67%
	Q3	2,537	- 0.20%	+ 8.70%	3,952	- 4.89%	- 0.83%	6,489	- 3.11%	+ 2.69%
	Q2	2,334	- 10.37%	- 0.51%	3,985	- 0.03%	- 0.15%	6,319	- 4.11%	- 0.28%
	Q1	2,346	- 9.56%	- 6.12%	3,991	+ 0.20%	- 3.46%	6,337	- 3.65%	- 4.46%
2017	Q4	2,499	- 5.05%	- 1.69%	4,134	+ 7.99%	- 0.51%	6,633	+ 2.68%	- 0.96%
	Q3	2,542	- 2.61%	- 2.38%	4,155	+ 13.18%	+ 4.24%	6,697	+ 6.62%	+ 1.62%
	Q2	2,604	- 3.70%	+ 0.39%	3,986	+ 5.14%	+ 0.08%	6,590	+ 1.46%	+ 0.20%
	Q1	2,594	- 11.62%	- 1.44%	3,983	- 1.73%	+ 4.05%	6,577	- 5.88%	+ 1.81%
2016	Q4	2,632	- 20.82%	+ 0.84%	3,828	- 26.09%	+ 4.28%	6,460	- 24.03%	+ 2.85%
	Q3	2,610	- 25.87%	- 3.48%	3,671	- 37.46%	- 3.17%	6,281	- 33.12%	- 3.29%
	Q2	2,704	- 27.23%	- 7.87%	3,791	- 35.78%	- 6.46%	6,495	- 32.48%	- 7.05%
	Q1	2,935	- 23.29%	- 11.70%	4,053	- 38.42%	- 21.74%	6,988	- 32.86%	- 17.82%
2015	Q4	3,324	- 24.98%	- 5.60%	5,179	- 27.00%	- 11.77%	8,503	- 26.23%	- 9.46%
	Q3	3,521	- 20.68%	- 5.25%	5,870	- 17.83%	- 0.56%	9,391	- 18.92%	- 2.37%
	Q2	3,716	- 9.92%	- 2.88%	5,903	- 20.18%	- 10.32%	9,619	- 16.50%	- 7.58%
	Q1	3,826	- 13.54%	- 13.65%	6,582	- 10.07%	- 7.23%	10,408	- 11.38%	- 9.70%
2014	Q4	4,431	- 0.40%	- 0.18%	7,095	- 4.04%	- 0.69%	11,526	- 2.68%	- 0.49%
	Q3	4,439	+ 1.63%	+ 7.61%	7,144	- 12.18%	- 3.39%	11,583	- 7.36%	+ 0.55%
	Q2	4,125	- 6.02%	- 6.78%	7,395	- 12.49%	+ 1.04%	11,520	- 10.27%	- 1.91%
	Q1	4,425	+ 2.29%	- 0.54%	7,319	- 17.03%	- 1.01%	11,744	- 10.67%	- 0.84%
2013	Q4	4,449	- 2.07%	+ 1.85%	7,394	- 21.96%	- 9.11%	11,843	- 15.52%	- 5.28%
	Q3	4,368	- 3.23%	- 0.48%	8,135	- 17.03%	- 3.73%	12,503	- 12.68%	- 2.62%
	Q2	4,389	- 3.47%	+ 1.46%	8,450	- 26.81%	- 4.21%	12,839	- 20.22%	- 2.34%
	Q1	4,326	- 8.52%	- 4.78%	8,821	- 31.97%	- 6.90%	13,147	- 25.70%	- 6.21%
2012	Q4	4,543	+ 0.71%	+ 0.64%	9,475	- 29.14%	- 3.37%	14,018	- 21.61%	- 2.10%
	Q3	4,514	+ 0.00%	- 0.73%	9,805	- 30.28%	- 15.08%	14,319	- 22.92%	- 11.02%
	Q2	4,547	+ 1.02%	- 3.85%	11,546	- 14.54%	- 10.95%	16,093	- 10.65%	- 9.05%
	Q1	4,729	+ 8.36%	+ 4.83%	12,966	- 1.26%	- 3.04%	17,695	+ 1.14%	- 1.05%
2011	Q4	4,511	+ 4.37%	- 0.07%	13,372	+ 0.93%	- 4.91%	17,883	+ 1.78%	- 3.74%
	Q3	4,514	+ 7.25%	+ 0.29%	14,063	+ 7.32%	+ 4.09%	18,577	+ 7.30%	+ 3.14%
	Q2	4,501	+ 8.04%	+ 3.14%	13,511	+ 5.22%	+ 2.89%	18,012	+ 5.91%	+ 2.95%
	Q1	4,364	+ 9.81%	+ 0.97%	13,132	+ 7.49%	- 0.88%	17,496	+ 8.06%	- 0.43%
2010	Q4	4,322	+ 18.38%	+ 2.68%	13,249	+ 5.65%	+ 1.11%	17,571	+ 8.52%	+ 1.49%
	Q3	4,209	+ 10.85%	+ 1.03%	13,104	+ 0.06%	+ 2.05%	17,313	+ 2.49%	+ 1.80%