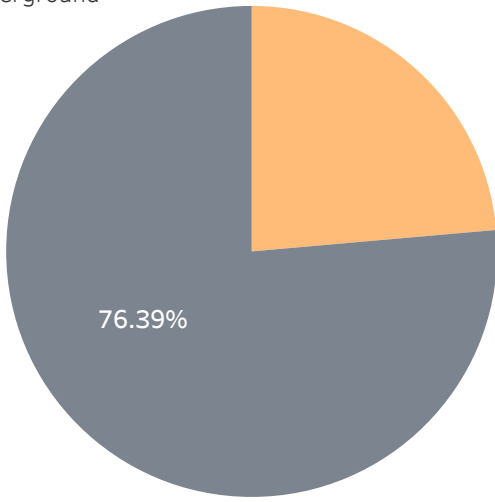
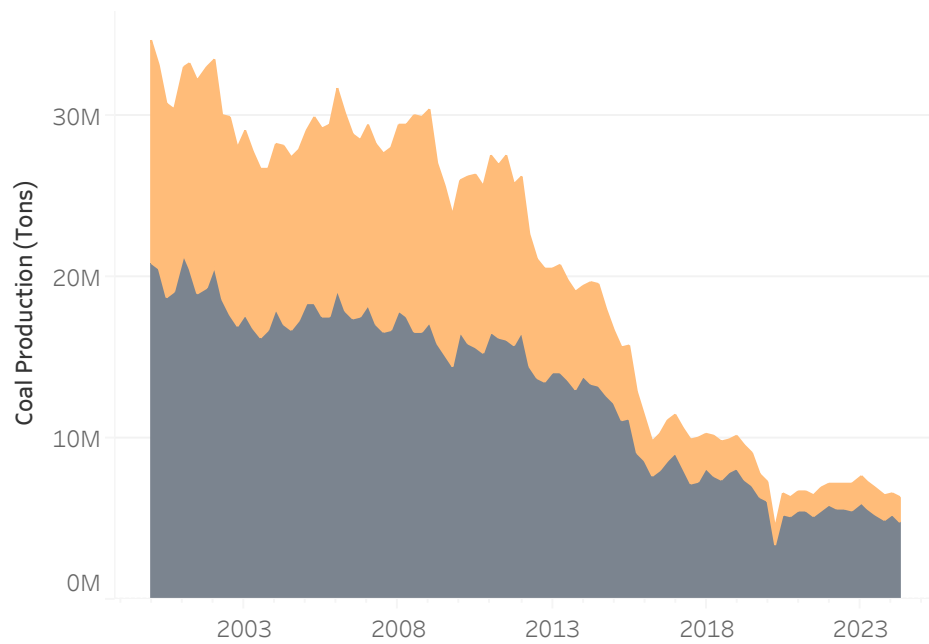


Kentucky Quarterly Coal Report (2024 - Q2)

Mine Type
 Surface
 Underground

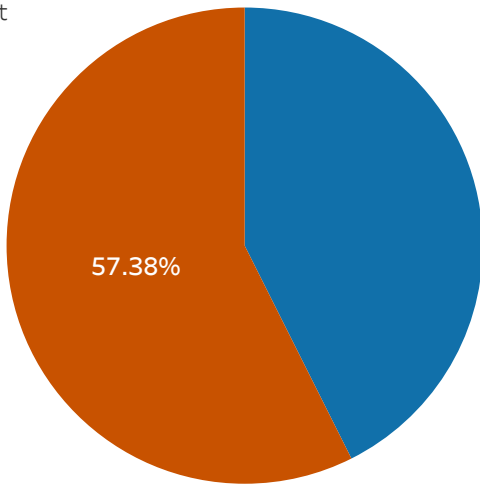


Coal Production by Mine Type (2000 - Q1 to 2024 - Q2)

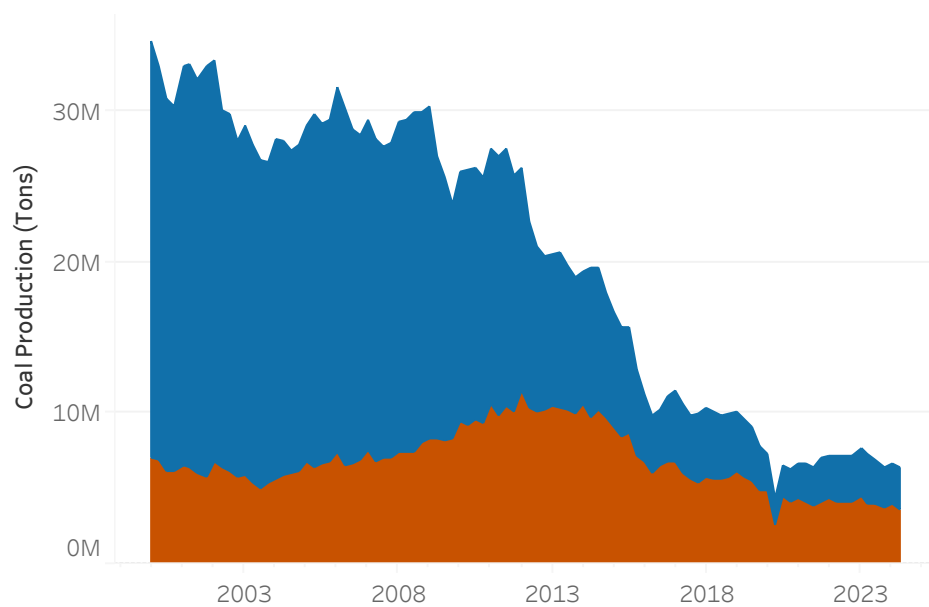


	Production	YoY change	Qtr change
Total	6,302,580	-13.13%	-4.34%
Underground	4,814,570	-13.07%	-7.16%
Surface	1,488,010	-13.32%	+6.07%

Region
 East
 West



Coal Production by Region (2000 - Q1 to 2024 - Q2)

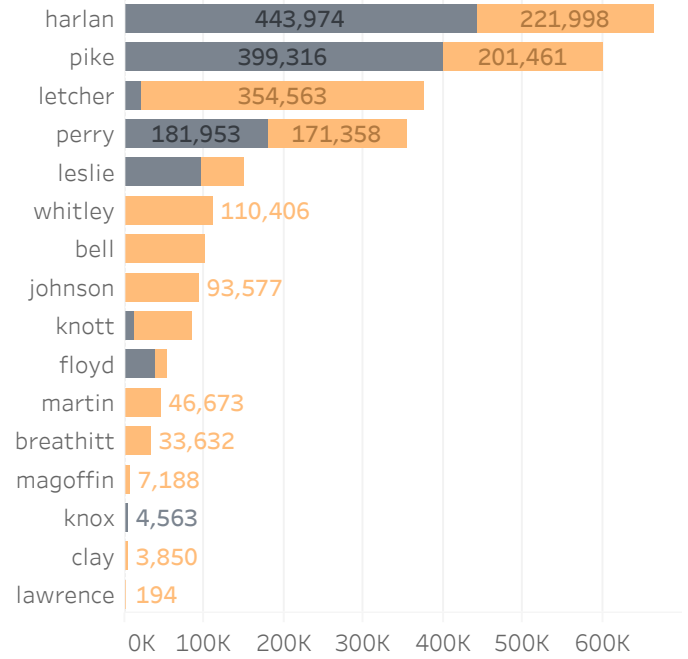
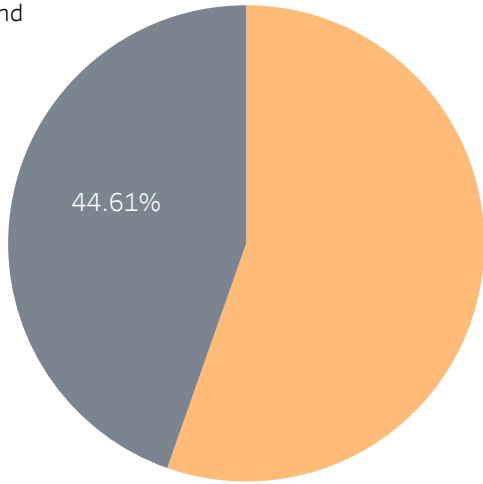


	Production	YoY change	Qtr change
Total	6,302,580	-13.13%	-4.34%
East	2,686,231	-18.25%	-0.29%
West	3,616,349	-8.88%	-7.14%

Eastern Kentucky (2024 - Q2)

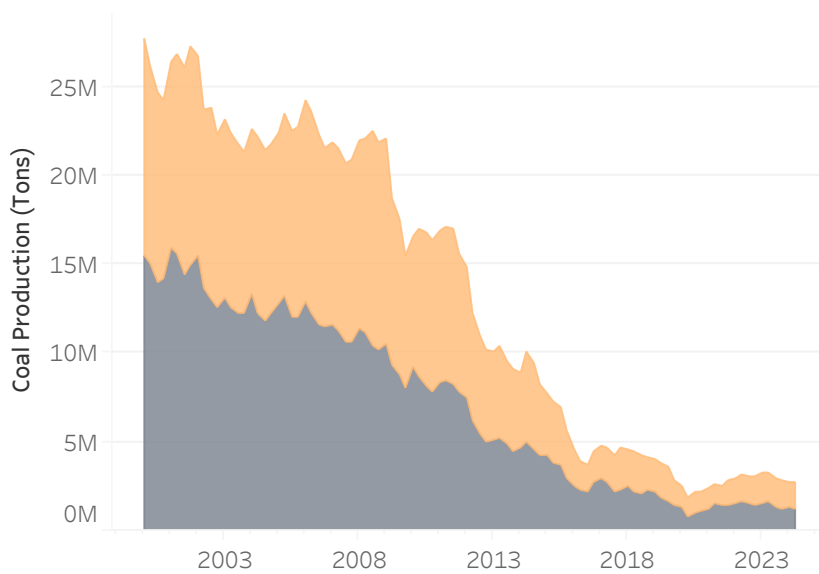
Mine Type

- Surface
- Underground



	Production	YoY change	Qtr change
Total	2,686,231	- 18.25%	- 0.29%
Surface	1,488,010	- 13.32%	+ 6.07%
Underground	1,198,221	- 23.64%	- 7.21%

Eastern Kentucky Coal Production (2000 - Q1 to 2024 - Q2)

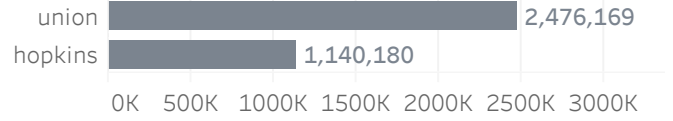
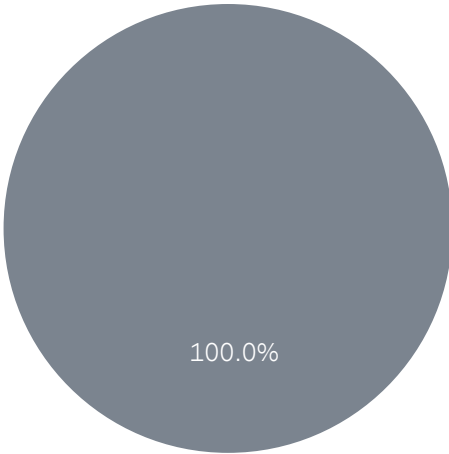


	County Coal Pr..	YoY change	Qtr change
EKY Total	2,686,231	- 18.25%	- 0.29%
harlan	665,972	+ 20.55%	+ 12.52%
pike	600,777	- 31.59%	- 8.41%
letcher	377,278	+ 1.91%	+ 8.67%
perry	353,311	- 37.15%	- 11.79%
leslie	149,699	- 15.24%	+ 0.88%
whitley	110,406	+ 7.73%	- 4.36%
bell	101,829	- 52.80%	- 20.22%
johnson	93,577	- 22.32%	+ 23.11%
knott	83,694	+ 11.31%	- 3.32%
floyd	53,588	- 17.86%	+ 9.79%
martin	46,673	- 29.76%	- 4.06%
breathitt	33,632	- 25.52%	- 8.78%
magoffin	7,188		+ 676.24%
knox	4,563	- 51.92%	- 18.61%
clay	3,850		+ 3.77%

Western Kentucky (2024 - Q2)

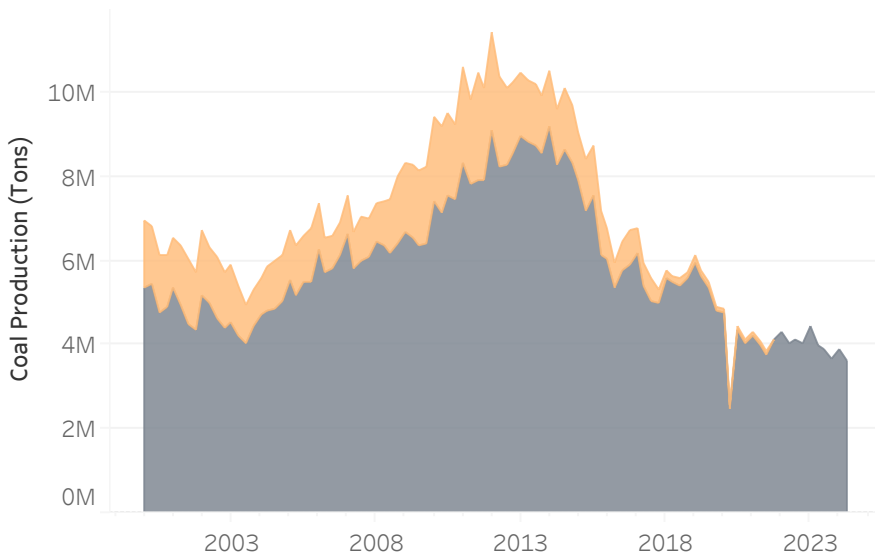
Mine Type

Underground



	Production	YoY change	Qtr change
Total	3,616,349	- 8.88%	- 7.14%
Underground	3,616,349	- 8.88%	- 7.14%
Surface	0		

Western Kentucky Coal Production (2000 - Q1 to 2024 - Q2)

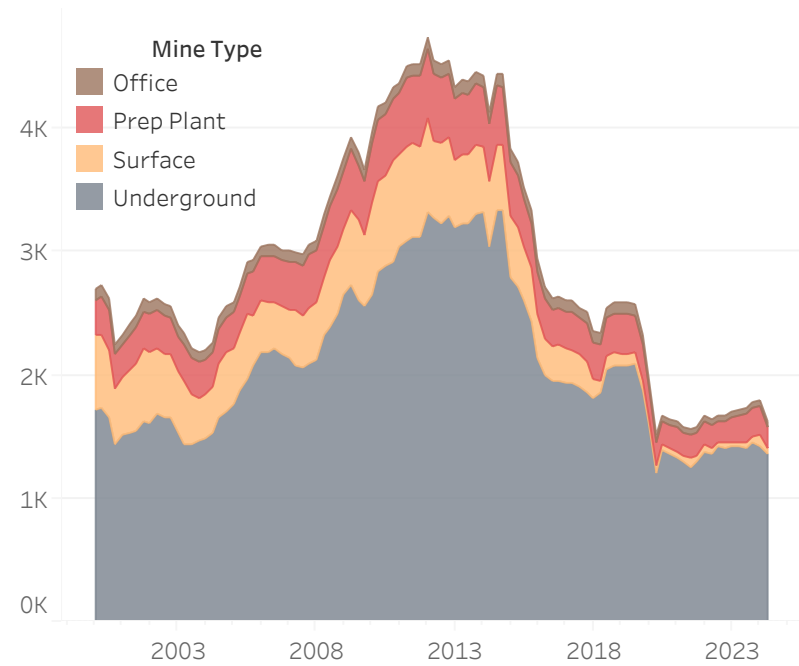
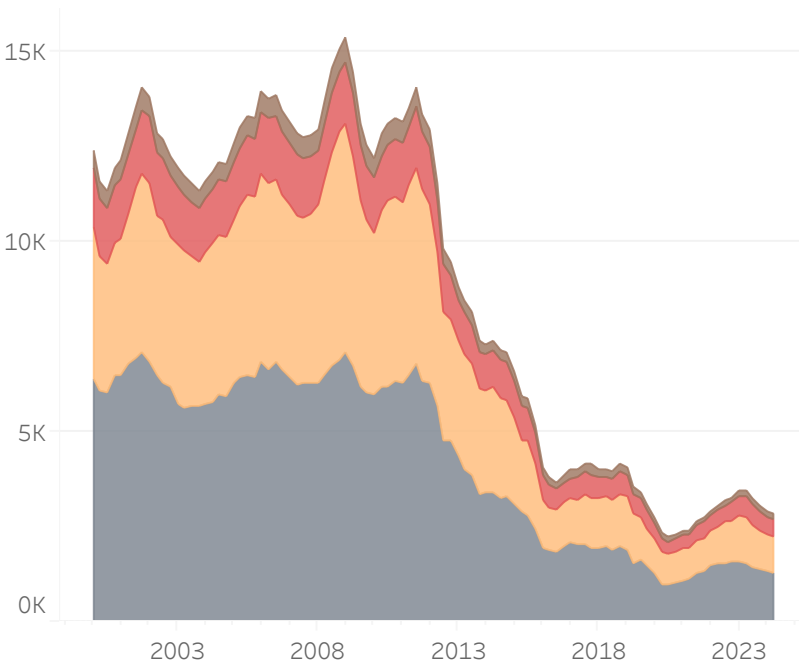


	County Coal Production	YoY change	Qtr change
WKY Total	3,616,349	- 8.88%	- 7.14%
union	2,476,169	- 1.17%	+ 4.59%
hopkins	1,140,180	+ 8.01%	- 5.84%

Employment by Region (2024 - Q2)

East Kentucky Employment by Mine Type (2000 - Q1 to 2024 - Q2)

West Kentucky Employment by Mine Type (2000 - Q1 to 2024 - Q2)



	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
EKY Total	2,823	-18.01%	-620	-2.5%	-71
pike	811	-29.11%	-333	+6.4%	+49
harlan	715	+11.89%	+76	+2.4%	+17
perry	399	-3.86%	-16	-0.5%	-2
letcher	214	-0.93%	-2	-4.5%	-10
leslie	156	-1.27%	-2	-3.7%	-6
bell	122	-63.36%	-211	-49.0%	-117
knott	92	+24.32%	+18	-8.0%	-8
whitley	75	-39.52%	-49	-5.1%	-4
floyd	72	-30.10%	-31	-7.7%	-6
johnson	44	-15.38%	-8	+4.8%	+2
breathitt	34	-15.00%	-6	+6.3%	+2
knox	26	-43.48%	-20	-3.7%	-1
martin	22	-47.62%	-20	+0.0%	-
boyd	15	-6.25%	-1	+36.4%	+4
clay	14	+100.00%	+7	+180.0%	+9
magoffin	5		+5	-16.7%	-1
mccreary	4	-	-	+0.0%	-
lawrence	3	+50.00%	+1	+50.0%	+1
lee	0	-100.00%	-2		-

	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
WKY Total	1,622	-5.31%	-91	-9.33%	-167
union	985	+10.80%	+96	+4.45%	+42
hopkins	502	+3.72%	+18	+2.66%	+13
muhlenberg	63	-76.32%	-203	-74.90%	-188
marshall	54	+31.71%	+13	-1.82%	-1
ohio	18	-45.45%	-15	-64.71%	-33
webster	0		-		-

Total Employees by Mine Type

	Total Workers	YoY pct change	Qtr pct change
Total	4,445	-13.79%	-5.08%
Underground	2,607	-11.78%	-4.61%
Surface	1,028	-15.74%	-3.29%
Preparation Plant	610	-20.16%	-10.43%
Office	200	-7.83%	-2.91%

Coal Production Reference Table										
		West			East			Total		
		Production	YoY change	Qtr change	Production	YoY change	Qtr change	Production	YoY change	Qtr change
2024	Q2	3,616,349	-8.88%	-7.14%	2,686,231	-18.25%	-0.29%	6,302,580	-13.13%	-4.34%
	Q1	3,894,434	-12.09%	+7.20%	2,694,141	-16.81%	-2.66%	6,588,575	-14.08%	+2.94%
2023	Q4	3,632,768	-9.78%	-6.89%	2,767,767	-10.12%	-6.29%	6,400,535	-9.93%	-6.63%
	Q3	3,901,458	-4.97%	-1.70%	2,953,493	-3.75%	-10.11%	6,854,951	-4.45%	-5.51%
	Q2	3,968,994	-1.21%	-10.40%	3,285,851	+6.16%	+1.46%	7,254,845	+2.00%	-5.39%
	Q1	4,429,858	+3.50%	+10.01%	3,238,555	+12.23%	+5.17%	7,668,413	+7.02%	+7.91%
2022	Q4	4,026,604	-2.25%	-1.93%	3,079,490	+8.66%	+0.35%	7,106,094	+2.20%	-0.95%
	Q3	4,105,715	+6.94%	+2.19%	3,068,628	+21.60%	-0.86%	7,174,343	+12.75%	+0.87%
	Q2	4,017,548	-1.04%	-6.13%	3,095,204	+19.81%	+7.27%	7,112,752	+7.07%	-0.74%
	Q1	4,279,989	+0.05%	+3.90%	2,885,562	+24.01%	+1.82%	7,165,551	+8.49%	+3.06%
2021	Q4	4,119,150	+0.49%	+7.29%	2,833,948	+31.77%	+12.30%	6,953,098	+11.26%	+9.28%
	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	-40.17%	+16.48%	6,545,342	-27.48%	+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	-38.30%	-14.12%	7,275,318	-27.85%	-5.96%
2019	Q4	4,884,272	-14.67%	-10.89%	2,852,033	-31.25%	-19.53%	7,736,305	-21.64%	-14.28%
	Q3	5,481,282	-1.52%	-4.84%	3,544,191	-16.12%	-6.89%	9,025,473	-7.82%	-5.66%
	Q2	5,760,256	+2.65%	-5.79%	3,806,324	-14.90%	-4.11%	9,566,580	-5.13%	-5.13%
	Q1	6,114,327	+6.19%	+6.82%	3,969,542	-11.65%	-4.31%	10,083,869	-1.63%	+2.14%
2018	Q4	5,723,927	+7.72%	+2.84%	4,148,239	-10.61%	-1.83%	9,872,166	-0.82%	+0.82%
	Q3	5,566,036	-0.31%	-0.81%	4,225,469	-0.20%	-5.52%	9,791,505	-0.26%	-2.90%
	Q2	5,611,408	-5.67%	-2.54%	4,472,510	-3.88%	-0.46%	10,083,918	-4.88%	-1.63%
	Q1	5,757,753	-14.82%	+8.36%	4,493,115	-4.45%	-3.18%	10,250,868	-10.57%	+2.98%
2017	Q4	5,313,607	-20.89%	-4.83%	4,640,462	+5.60%	+9.60%	9,954,069	-10.41%	+1.39%
	Q3	5,583,324	-13.63%	-6.15%	4,233,969	+14.05%	-9.00%	9,817,293	-3.53%	-7.40%
	Q2	5,948,923	+0.18%	-11.99%	4,652,810	+20.83%	-1.06%	10,601,733	+8.30%	-7.51%
	Q1	6,759,704	-0.07%	+0.65%	4,702,445	+4.79%	+7.02%	11,462,149	+1.87%	+3.16%
2016	Q4	6,716,354	-6.35%	+3.90%	4,394,185	-21.95%	+18.37%	11,110,539	-13.21%	+9.18%
	Q3	6,464,425	-25.75%	+8.86%	3,712,351	-46.63%	-3.59%	10,176,776	-35.02%	+3.96%
	Q2	5,938,328	-29.27%	-12.21%	3,850,729	-46.69%	-14.19%	9,789,057	-37.33%	-13.00%
	Q1	6,764,538	-25.25%	-5.68%	4,487,508	-41.18%	-20.29%	11,252,046	-32.53%	-12.10%
2015	Q4	7,171,565	-26.04%	-17.63%	5,629,737	-31.62%	-19.06%	12,801,302	-28.60%	-18.27%
	Q3	8,706,595	-13.94%	+3.70%	6,955,379	-26.13%	-3.71%	15,661,974	-19.82%	+0.27%
	Q2	8,396,251	-12.65%	-7.22%	7,223,517	-28.08%	-5.31%	15,619,768	-20.53%	-6.35%
	Q1	9,049,591	-13.98%	-6.67%	7,628,593	-13.99%	-7.34%	16,678,184	-13.98%	-6.98%
2014	Q4	9,695,896	-2.36%	-4.16%	8,233,054	-8.90%	-12.56%	17,928,950	-5.47%	-8.21%
	Q3	10,116,906	-0.90%	+5.25%	9,415,876	-1.09%	-6.25%	19,532,782	-1.00%	-0.62%
	Q2	9,612,041	-6.53%	-8.63%	10,043,237	-3.01%	+13.23%	19,655,278	-4.77%	+1.37%
	Q1	10,519,840	+0.70%	+5.94%	8,869,616	-11.43%	-1.85%	19,389,456	-5.23%	+2.23%
2013	Q4	9,930,116	-2.76%	-2.73%	9,037,058	-11.46%	-5.07%	18,967,174	-7.11%	-3.86%
	Q3	10,209,207	+1.30%	-0.73%	9,519,951	-12.79%	-8.07%	19,729,158	-6.03%	-4.41%
	Q2	10,283,803	-0.70%	-1.55%	10,355,209	-15.56%	+3.41%	20,639,012	-8.75%	+0.87%
	Q1	10,446,242	-8.36%	+2.29%	10,013,819	-32.12%	-1.89%	20,460,061	-21.77%	+0.20%
2012	Q4	10,212,118	+1.02%	+1.32%	10,206,870	-34.42%	-6.49%	20,418,988	-20.46%	-2.74%
	Q3	10,078,665	-3.70%	-2.68%	10,915,799	-35.80%	-10.98%	20,994,464	-23.57%	-7.18%
	Q2	10,356,005	+5.26%	-9.15%	12,262,775	-28.23%	-16.88%	22,618,780	-16.00%	-13.51%
	Q1	11,399,527	+7.44%	+12.77%	14,753,095	-12.77%	-5.21%	26,152,622	-4.98%	+1.87%
2011	Q4	10,108,522	+9.29%	-3.42%	15,563,529	-4.90%	-8.47%	25,672,051	+0.23%	-6.54%
	Q3	10,466,346	+10.24%	+6.38%	17,002,965	+1.50%	-0.49%	27,469,311	+4.66%	+2.02%

Employment Reference Table										
Year	Quarter	West			East			Total		
		Emp	YoY change	Qtr change	Emp	YoY change	Qtr change	Emp	YoY change	Qtr change
2024	Q2	1,622	- 5.31%	- 9.33%	2,823	- 18.01%	- 2.45%	4,445	- 13.79%	- 5.08%
	Q1	1,789	+ 5.86%	+ 1.02%	2,894	- 16.29%	- 4.93%	4,683	- 9.01%	- 2.74%
2023	Q4	1,771	+ 6.75%	+ 2.55%	3,044	- 6.60%	- 5.44%	4,815	- 2.09%	- 2.65%
	Q3	1,727	+ 3.23%	+ 0.82%	3,219	+ 1.16%	- 6.51%	4,946	+ 1.87%	- 4.07%
	Q2	1,713	+ 5.09%	+ 1.36%	3,443	+ 13.07%	- 0.40%	5,156	+ 10.29%	+ 0.17%
	Q1	1,690	+ 1.50%	+ 1.87%	3,457	+ 19.91%	+ 6.08%	5,147	+ 13.17%	+ 4.66%
2022	Q4	1,659	+ 5.33%	- 0.84%	3,259	+ 19.46%	+ 2.42%	4,918	+ 14.29%	+ 1.30%
	Q3	1,673	+ 7.38%	+ 2.64%	3,182	+ 20.48%	+ 4.50%	4,855	+ 15.62%	+ 3.85%
	Q2	1,630	+ 3.56%	- 2.10%	3,045	+ 27.14%	+ 5.62%	4,675	+ 17.79%	+ 2.79%
	Q1	1,665	+ 2.97%	+ 5.71%	2,883	+ 20.13%	+ 5.68%	4,548	+ 13.22%	+ 5.69%
2021	Q4	1,575	- 4.08%	+ 1.09%	2,728	+ 20.23%	+ 3.29%	4,303	+ 10.02%	+ 2.48%
	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	- 26.95%	+ 2.07%	3,911	- 28.01%	+ 0.41%
	Q3	1,672	- 34.92%	+ 11.17%	2,223	- 34.81%	- 3.97%	3,895	- 34.86%	+ 1.99%
	Q2	1,504	- 41.66%	- 23.73%	2,315	- 34.20%	- 14.48%	3,819	- 37.35%	- 18.38%
	Q1	1,972	- 23.48%	- 15.26%	2,707	- 32.93%	- 12.85%	4,679	- 29.25%	- 13.88%
2019	Q4	2,327	- 9.70%	- 9.42%	3,106	- 25.07%	- 8.91%	5,433	- 19.18%	- 9.13%
	Q3	2,569	+ 1.26%	- 0.35%	3,410	- 13.58%	- 3.07%	5,979	- 7.77%	- 1.92%
	Q2	2,578	+ 10.45%	+ 0.04%	3,518	- 11.61%	- 12.83%	6,096	- 3.45%	- 7.82%
	Q1	2,577	+ 9.85%	+ 0.00%	4,036	+ 1.28%	- 2.63%	6,613	+ 4.45%	- 1.62%
2018	Q4	2,577	+ 3.12%	+ 1.58%	4,145	+ 0.41%	+ 5.04%	6,722	+ 1.43%	+ 3.69%
	Q3	2,537	- 0.20%	+ 8.70%	3,946	- 4.82%	- 0.85%	6,483	- 3.07%	+ 2.68%
	Q2	2,334	- 10.37%	- 0.51%	3,980	+ 0.10%	- 0.13%	6,314	- 4.04%	- 0.27%
	Q1	2,346	- 9.56%	- 6.12%	3,985	+ 0.30%	- 3.46%	6,331	- 3.59%	- 4.47%
2017	Q4	2,499	- 5.05%	- 1.69%	4,128	+ 8.03%	- 0.43%	6,627	+ 2.70%	- 0.91%
	Q3	2,542	- 2.61%	- 2.38%	4,146	+ 13.19%	+ 4.28%	6,688	+ 6.62%	+ 1.64%
	Q2	2,604	- 3.70%	+ 0.39%	3,976	+ 5.07%	+ 0.08%	6,580	+ 1.42%	+ 0.20%
	Q1	2,594	- 11.62%	- 1.44%	3,973	- 1.78%	+ 3.98%	6,567	- 5.92%	+ 1.77%
2016	Q4	2,632	- 20.82%	+ 0.84%	3,821	- 26.08%	+ 4.31%	6,453	- 24.02%	+ 2.87%
	Q3	2,610	- 25.87%	- 3.48%	3,663	- 37.51%	- 3.20%	6,273	- 33.15%	- 3.31%
	Q2	2,704	- 27.23%	- 7.87%	3,784	- 35.81%	- 6.45%	6,488	- 32.49%	- 7.05%
	Q1	2,935	- 23.29%	- 11.70%	4,045	- 38.48%	- 21.75%	6,980	- 32.89%	- 17.81%
2015	Q4	3,324	- 24.98%	- 5.60%	5,169	- 27.02%	- 11.82%	8,493	- 26.24%	- 9.49%
	Q3	3,521	- 20.68%	- 5.25%	5,862	- 17.76%	- 0.56%	9,383	- 18.88%	- 2.37%
	Q2	3,716	- 9.92%	- 2.88%	5,895	- 20.10%	- 10.34%	9,611	- 16.45%	- 7.60%
	Q1	3,826	- 13.54%	- 13.65%	6,575	- 9.98%	- 7.17%	10,401	- 11.32%	- 9.67%
2014	Q4	4,431	- 0.40%	- 0.18%	7,083	- 4.01%	- 0.63%	11,514	- 2.65%	- 0.46%
	Q3	4,439	+ 1.63%	+ 7.61%	7,128	- 12.25%	- 3.39%	11,567	- 7.40%	+ 0.56%
	Q2	4,125	- 6.02%	- 6.78%	7,378	- 12.67%	+ 1.01%	11,503	- 10.39%	- 1.93%
	Q1	4,425	+ 2.29%	- 0.54%	7,304	- 17.18%	- 1.02%	11,729	- 10.77%	- 0.84%
2013	Q4	4,449	- 2.07%	+ 1.85%	7,379	- 22.10%	- 9.16%	11,828	- 15.61%	- 5.31%
	Q3	4,368	- 3.23%	- 0.48%	8,123	- 17.14%	- 3.85%	12,491	- 12.75%	- 2.70%
	Q2	4,389	- 3.47%	+ 1.46%	8,448	- 26.82%	- 4.21%	12,837	- 20.22%	- 2.34%
	Q1	4,326	- 8.52%	- 4.78%	8,819	- 31.98%	- 6.90%	13,145	- 25.71%	- 6.21%
2012	Q4	4,543	+ 0.71%	+ 0.64%	9,473	- 29.16%	- 3.37%	14,016	- 21.62%	- 2.10%
	Q3	4,514	+ 0.00%	- 0.73%	9,803	- 30.29%	- 15.08%	14,317	- 22.93%	- 11.02%
	Q2	4,547	+ 1.02%	- 3.85%	11,544	- 14.56%	- 10.97%	16,091	- 10.67%	- 9.06%
	Q1	4,729	+ 8.36%	+ 4.83%	12,966	- 1.23%	- 3.04%	17,695	+ 1.17%	- 1.05%
2011	Q4	4,511	+ 4.37%	- 0.07%	13,372	+ 1.09%	- 4.91%	17,883	+ 1.90%	- 3.74%
	Q3	4,514	+ 7.25%	+ 0.29%	14,063	+ 7.42%	+ 4.09%	18,577	+ 7.38%	+ 3.14%