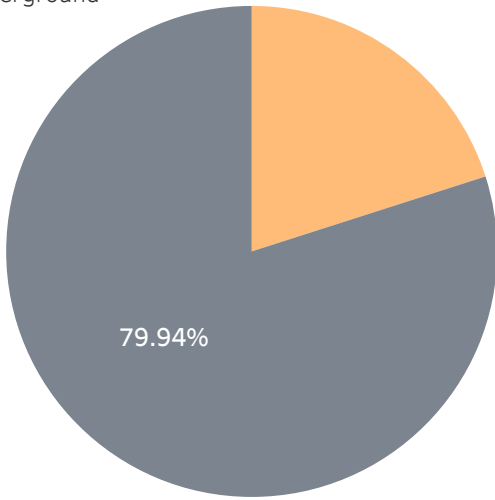
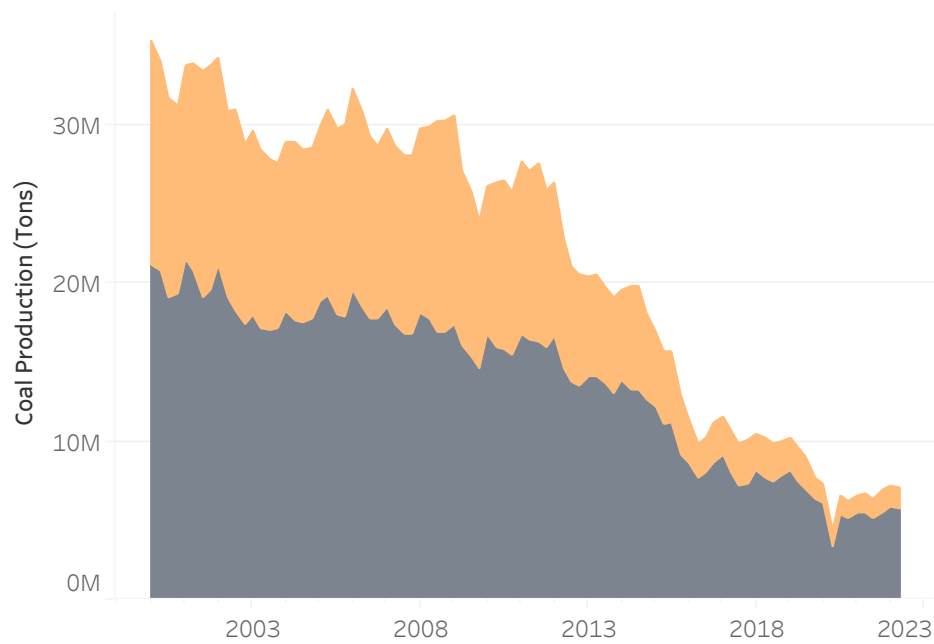


Kentucky Quarterly Coal Report (2022 - Q2)

Mine Type
 Surface
 Underground

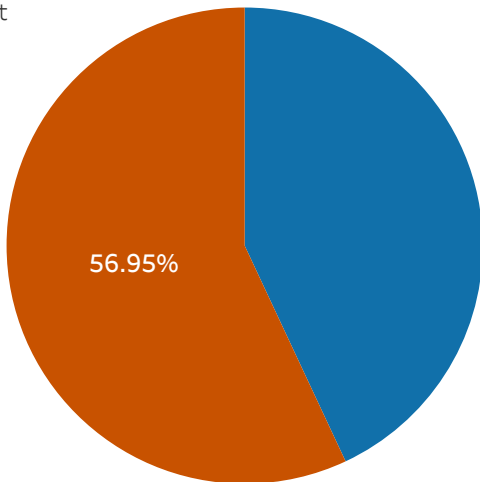


Coal Production by Mine Type (2000 - Q1 to 2022 - Q2)

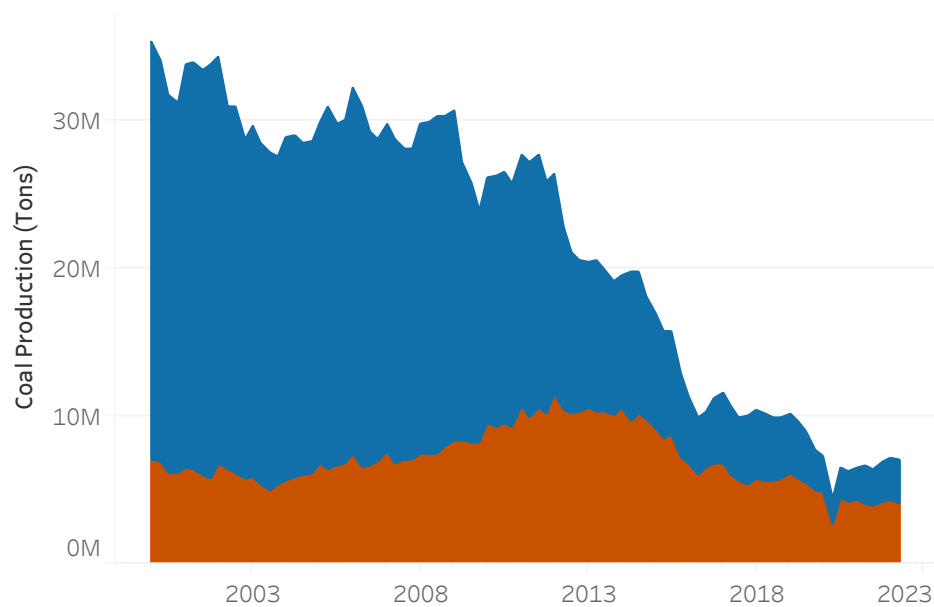


	Production	YoY change	Qtr change
Total	7,054,215	+ 6.18%	- 0.68%
Underground	5,639,483	+ 3.48%	- 2.16%
Surface	1,414,732	+ 18.52%	+ 5.67%

Region
 East
 West



Coal Production by Region (2000 - Q1 to 2022 - Q2)

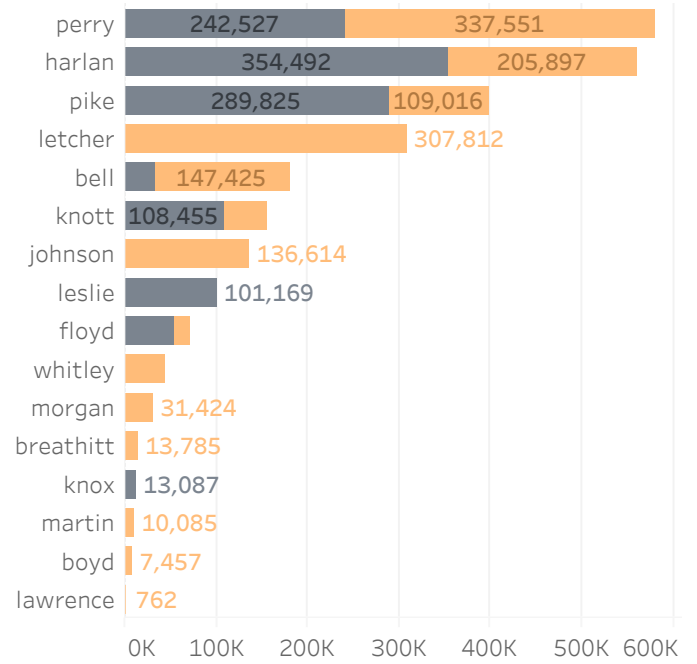
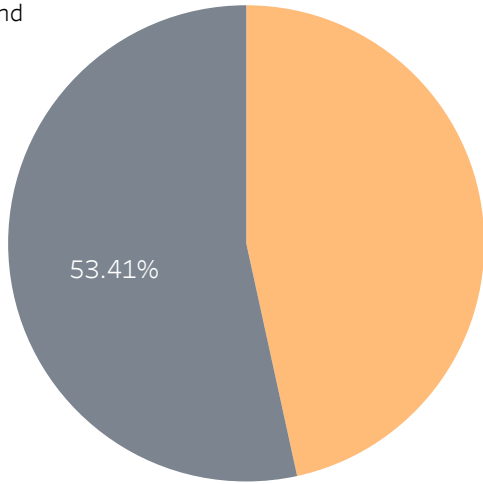


	Production	YoY change	Qtr change
Total	7,054,215	+ 6.18%	- 0.68%
East	3,036,667	+ 17.53%	+ 7.58%
West	4,017,548	- 1.04%	- 6.13%

Eastern Kentucky (2022 - Q2)

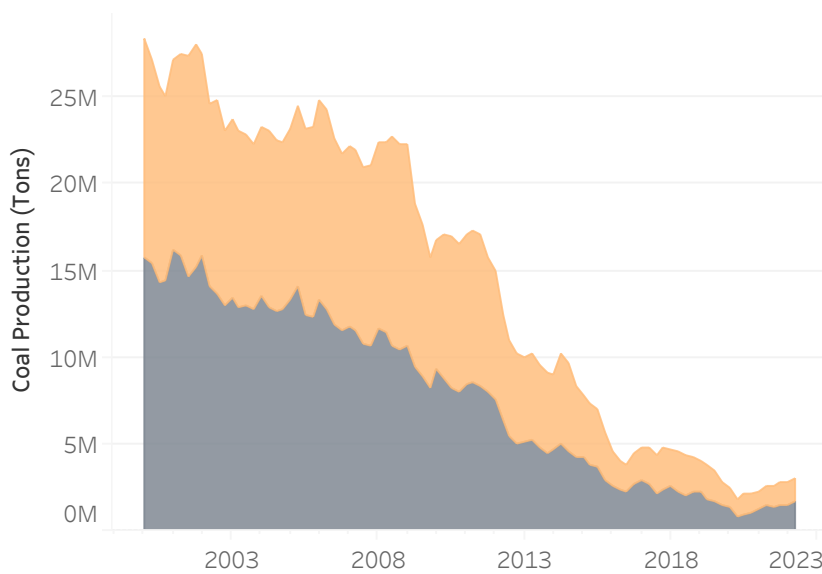
Mine Type

- Surface
- Underground



	Production	YoY change	Qtr change
Total	3,036,667	+ 17.53%	+ 7.58%
Surface	1,414,732	+ 25.97%	+ 5.67%
Underground	1,621,935	+ 11.04%	+ 9.30%

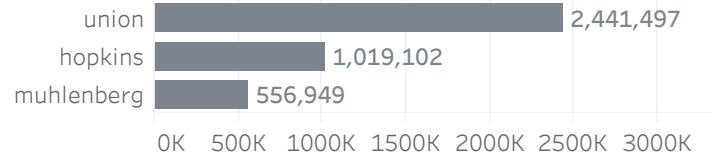
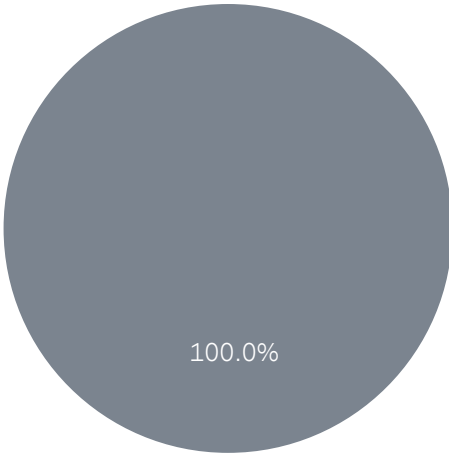
Eastern Kentucky Coal Production (2000 - Q1 to 2022 - Q2)



	County Coal Pr..	YoY change	Qtr change
EKY Total	3,036,667	+ 17.53%	+ 7.58%
pike	821,590	- 1.19%	+ 7.72%
perry	580,078	+ 13.79%	+ 3.98%
harlan	560,389	+ 28.43%	+ 4.99%
letcher	307,812	+ 100.40%	+ 11.33%
bell	181,395	+ 12.85%	+ 2.58%
knott	155,991	+ 33.61%	+ 71.23%
johnson	136,614	- 7.82%	- 6.28%
leslie	101,169	+ 10.06%	+ 21.54%
floyd	70,409	+ 164.42%	+ 27.87%
whitley	44,620	- 41.69%	- 44.59%
morgan	31,424		+ 78.03%
breathitt	13,785	+ 990.59%	- 17.85%
knox	13,087	- 42.74%	- 19.94%
martin	10,085	+ 30.26%	+ 32.85%
boyd	7,457		

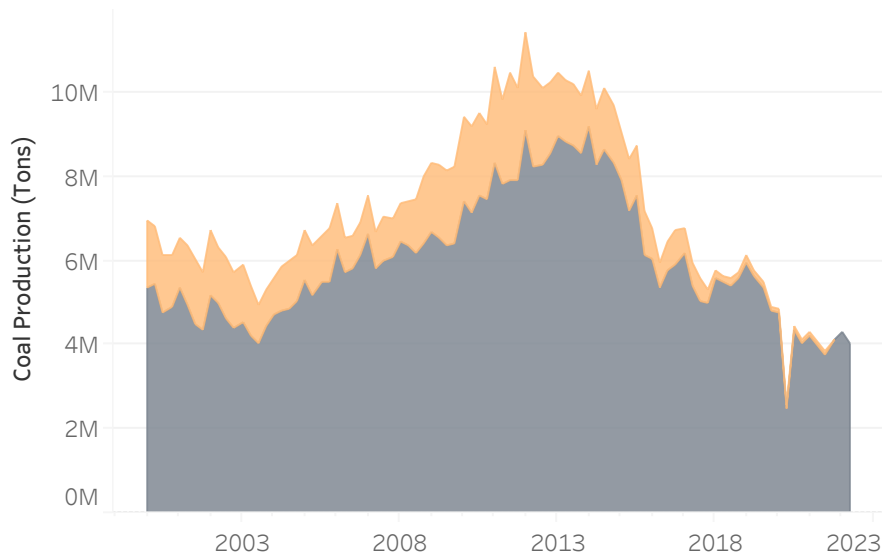
Western Kentucky (2022 - Q2)

Mine Type
 Underground



	Production	YoY change	Qtr change
Total	4,017,548	- 1.04%	- 6.13%
Underground	4,017,548	+ 0.71%	- 6.13%
Surface	0	- 100.00%	

Western Kentucky Coal Production (2000 - Q1 to 2022 - Q2)

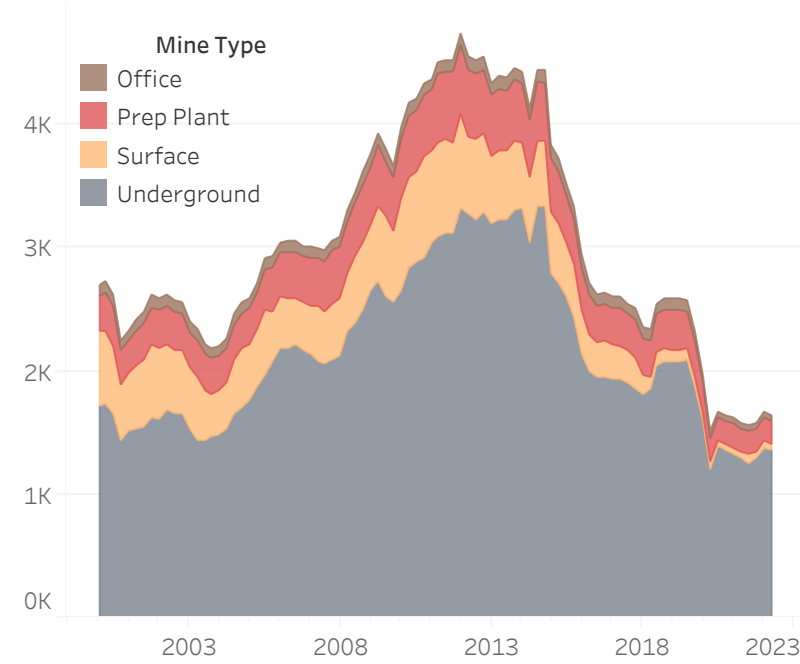
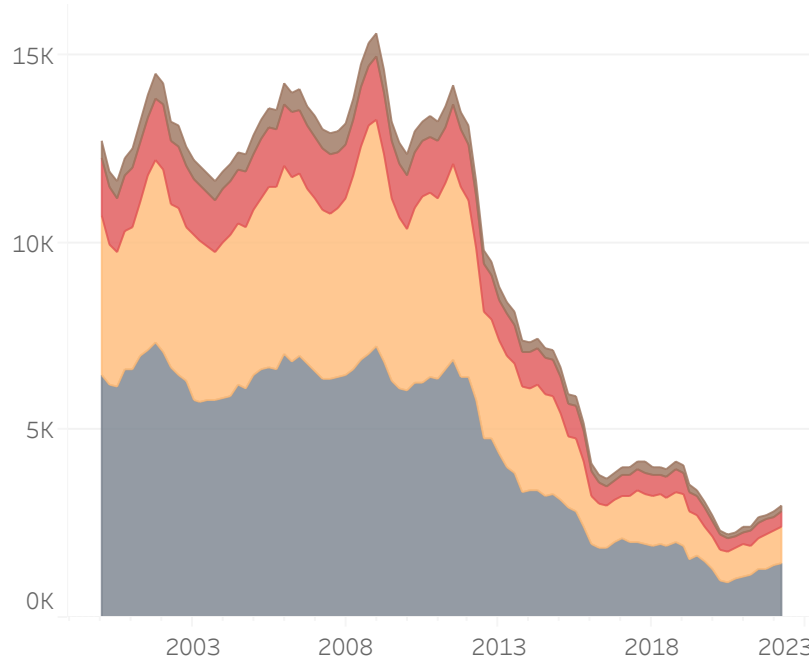


	County Coal Production	YoY change	Qtr change
WKY Total	4,017,548	- 1.04%	- 6.13%
union	2,441,497	+ 1.66%	- 8.28%
hopkins	1,019,102	- 3.52%	- 1.09%
muhlenberg	556,949	+ 4.86%	- 5.24%

Employment by Region (2022 - Q2)

East Kentucky Employment by Mine Type (2000 - Q1 to 2022 - Q2)

West Kentucky Employment by Mine Type (2000 - Q1 to 2022 - Q2)



	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
EKY Total	2,955	+ 23.33%	+559	+ 5.2%	+146
pike	948	+ 16.75%	+136	+ 10.6%	+91
perry	539	+ 27.42%	+116	- 3.6%	-20
harlan	507	+ 40.83%	+147	+ 2.6%	+13
bell	278	+ 23.01%	+52	+ 6.1%	+16
leslie	124	+ 6.90%	+8	- 6.8%	-9
letcher	113	+ 36.14%	+30	- 6.6%	-8
whitley	83	+ 23.88%	+16	- 1.2%	-1
floyd	78	+ 34.48%	+20	+ 6.8%	+5
knott	70	- 15.66%	-13	+ 18.6%	+11
johnson	67	+ 13.56%	+8	+ 4.7%	+3
martin	37	+ 42.31%	+11	+ 164.3%	+23
knox	36	- 5.26%	-2	+ 0.0%	-
boyd	22	+ 175.00%	+14	+ 175.0%	+14
clay	17	+ 13.33%	+2	+ 21.4%	+3
morgan	13	+ 225.00%	+9	+ 30.0%	+3
breathitt	10	+ 150.00%	+6	+ 25.0%	+2
magoffin	4	-	-	+ 0.0%	-
mccreary	4	-	-	+ 0.0%	-
lawrence	3	+ 50.00%	+1	+ 0.0%	-
lee	2	-	-	+ 0.0%	-

	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
WKY Total	1,630	+ 3.56%	+56	- 2.10%	-35
union	812	+ 5.73%	+44	+ 0.37%	+3
hopkins	482	+ 4.56%	+21	+ 1.90%	+9
muhlenberg	267	+ 5.12%	+13	- 10.70%	-32
marshall	41	+ 0.00%	-	+ 7.89%	+3
ohio	23	+ 21.05%	+4	- 28.13%	-9
daviess	5	- 83.87%	-26	- 64.29%	-9

Total Employees by Mine Type

	Total Workers	YoY pct change	Qtr pct change
Total	4,585	+ 15.49%	+ 2.48%
Underground	2,793	+ 16.47%	+ 1.16%
Surface	1,004	+ 16.47%	+ 3.08%
Preparation Plant	619	+ 12.75%	+ 9.36%
Office	169	+ 4.97%	- 2.31%

Coal Production Reference Table										
		West			East			Total		
		Production	YoY change	Qtr change	Production	YoY change	Qtr change	Production	YoY change	Qtr change
2022	Q2	4,017,548	-1.04%	-6.13%	3,036,667	+17.53%	+7.58%	7,054,215	+6.18%	-0.68%
	Q1	4,279,989	+0.05%	+3.90%	2,822,765	+25.27%	+0.55%	7,102,754	+8.75%	+2.54%
2021	Q4	4,119,150	+0.49%	+7.29%	2,807,347	+34.10%	+11.50%	6,926,497	+11.85%	+8.96%
	Q3	3,839,326	-13.23%	-5.43%	2,517,700	+20.42%	-2.56%	6,357,026	-2.44%	-4.31%
	Q2	4,059,665	+58.45%	-5.10%	2,583,794	+43.96%	+14.67%	6,643,459	+52.48%	+1.72%
	Q1	4,278,043	-11.35%	+4.37%	2,253,267	-6.63%	+7.63%	6,531,310	-9.78%	+5.47%
2020	Q4	4,098,927	-16.08%	-7.37%	2,093,488	-24.17%	+0.13%	6,192,415	-19.00%	-4.96%
	Q3	4,424,915	-19.27%	+72.71%	2,090,774	-39.59%	+16.49%	6,515,689	-27.13%	+49.55%
	Q2	2,562,103	-55.52%	-46.91%	1,794,829	-52.76%	-25.62%	4,356,932	-54.42%	-39.81%
	Q1	4,825,923	-21.07%	-1.19%	2,413,184	-40.01%	-12.59%	7,239,107	-28.59%	-5.31%
2019	Q4	4,884,272	-14.67%	-10.89%	2,760,786	-33.92%	-20.23%	7,645,058	-22.79%	-14.50%
	Q3	5,481,282	-1.52%	-4.84%	3,460,747	-19.13%	-8.91%	8,942,029	-9.18%	-6.46%
	Q2	5,760,256	+2.65%	-5.79%	3,799,423	-16.22%	-5.55%	9,559,679	-5.78%	-5.69%
	Q1	6,114,327	+6.19%	+6.82%	4,022,492	-12.80%	-3.73%	10,136,819	-2.25%	+2.37%
2018	Q4	5,723,927	+7.72%	+2.84%	4,178,256	-11.75%	-2.37%	9,902,183	-1.45%	+0.57%
	Q3	5,566,036	-0.31%	-0.81%	4,279,627	-0.42%	-5.63%	9,845,663	-0.36%	-2.96%
	Q2	5,611,408	-5.67%	-2.54%	4,535,006	-4.41%	-1.69%	10,146,414	-5.11%	-2.16%
	Q1	5,757,753	-14.82%	+8.36%	4,612,864	-3.54%	-2.57%	10,370,617	-10.15%	+3.21%
2017	Q4	5,313,607	-20.89%	-4.83%	4,734,484	+5.99%	+10.17%	10,048,091	-10.15%	+1.69%
	Q3	5,583,324	-13.63%	-6.15%	4,297,610	+13.98%	-9.42%	9,880,934	-3.46%	-7.60%
	Q2	5,948,923	+0.18%	-11.99%	4,744,406	+20.39%	-0.79%	10,693,329	+8.24%	-7.35%
	Q1	6,759,704	-0.07%	+0.65%	4,782,028	+4.41%	+7.06%	11,541,732	+1.74%	+3.21%
2016	Q4	6,716,354	-6.35%	+3.90%	4,466,806	-20.86%	+18.47%	11,183,160	-12.74%	+9.27%
	Q3	6,464,425	-25.75%	+8.86%	3,770,467	-45.83%	-4.32%	10,234,892	-34.67%	+3.60%
	Q2	5,938,328	-29.27%	-12.21%	3,940,873	-45.94%	-13.96%	9,879,201	-37.02%	-12.92%
	Q1	6,764,538	-25.25%	-5.68%	4,580,015	-41.15%	-18.86%	11,344,553	-32.60%	-11.48%
2015	Q4	7,171,565	-26.04%	-17.63%	5,644,375	-32.47%	-18.90%	12,815,940	-29.02%	-18.20%
	Q3	8,706,595	-13.94%	+3.70%	6,960,086	-27.47%	-4.52%	15,666,681	-20.53%	-0.12%
	Q2	8,396,251	-12.65%	-7.22%	7,289,593	-28.21%	-6.34%	15,685,844	-20.64%	-6.81%
	Q1	9,049,591	-13.98%	-6.67%	7,783,156	-12.93%	-6.89%	16,832,747	-13.50%	-6.77%
2014	Q4	9,695,896	-2.36%	-4.16%	8,358,859	-7.92%	-12.89%	18,054,755	-5.01%	-8.41%
	Q3	10,116,906	-0.90%	+5.25%	9,596,034	+1.14%	-5.49%	19,712,940	+0.08%	-0.27%
	Q2	9,612,041	-6.53%	-8.63%	10,153,551	-0.84%	+13.58%	19,765,592	-3.69%	+1.57%
	Q1	10,519,840	+0.70%	+5.94%	8,939,459	-10.21%	-1.52%	19,459,299	-4.62%	+2.38%
2013	Q4	9,930,116	-2.76%	-2.73%	9,077,569	-11.22%	-4.32%	19,007,685	-6.99%	-3.50%
	Q3	10,209,207	+1.30%	-0.73%	9,487,410	-13.05%	-7.34%	19,696,617	-6.16%	-4.03%
	Q2	10,283,803	-0.70%	-1.55%	10,239,295	-17.43%	+2.84%	20,523,098	-9.82%	+0.59%
	Q1	10,446,242	-8.36%	+2.29%	9,956,312	-33.46%	-2.62%	20,402,554	-22.61%	-0.17%
2012	Q4	10,212,118	+1.02%	+1.32%	10,224,666	-34.97%	-6.29%	20,436,784	-20.88%	-2.64%
	Q3	10,078,665	-3.70%	-2.68%	10,911,456	-36.21%	-12.01%	20,990,121	-23.87%	-7.77%
	Q2	10,356,005	+5.26%	-9.15%	12,401,430	-28.12%	-17.12%	22,757,435	-16.00%	-13.67%
	Q1	11,399,527	+7.44%	+12.77%	14,962,229	-12.21%	-4.83%	26,361,756	-4.67%	+2.06%
2011	Q4	10,108,522	+9.29%	-3.42%	15,722,007	-4.68%	-8.09%	25,830,529	+0.34%	-6.32%
	Q3	10,466,346	+10.24%	+6.38%	17,106,204	+1.09%	-0.85%	27,572,550	+4.38%	+1.78%
	Q2	9,838,635	+7.28%	-7.28%	17,252,139	+0.99%	+1.23%	27,090,774	+3.19%	-2.03%
	Q1	10,610,622	+12.63%	+14.72%	17,042,376	+2.20%	+3.32%	27,652,998	+5.96%	+7.42%
2010	Q4	9,249,023	+12.45%	-2.59%	16,494,366	+5.19%	-2.53%	25,743,389	+7.69%	-2.55%
	Q3	9,494,482	+16.80%	+3.53%	16,922,074	-3.94%	-0.94%	26,416,556	+2.61%	+0.62%
	Q2	9,171,091	+10.95%	-2.65%	17,082,842	-9.18%	+2.44%	26,253,933	-3.03%	+0.60%
	Q1	9,421,068	+13.06%	+14.55%	16,676,185	-24.94%	+6.35%	26,097,253	-14.58%	+9.17%
2009	Q4	8,224,772	+3.14%	+1.18%	15,680,906	-29.42%	-10.98%	23,905,678	-20.82%	-7.14%
	Q3	8,128,670	+9.45%	-1.66%	17,615,392	-22.58%	-6.35%	25,744,062	-14.70%	-4.92%

Employment Reference Table										
Year	Quarter	West			East			Total		
		Emp	YoY change	Qtr change	Emp	YoY change	Qtr change	Emp	YoY change	Qtr change
2022	Q2	1,630	+ 3.56%	- 2.10%	2,955	+ 23.33%	+ 5.20%	4,585	+ 15.49%	+ 2.48%
	Q1	1,665	+ 2.97%	+ 5.71%	2,809	+ 17.29%	+ 3.35%	4,474	+ 11.52%	+ 4.22%
2021	Q4	1,575	- 4.08%	+ 1.09%	2,718	+ 19.63%	+ 2.68%	4,293	+ 9.68%	+ 2.09%
	Q3	1,558	- 6.82%	- 1.02%	2,647	+ 19.07%	+ 10.48%	4,205	+ 7.96%	+ 5.92%
	Q2	1,574	+ 4.65%	- 2.66%	2,396	+ 4.08%	+ 0.04%	3,970	+ 4.31%	- 1.05%
	Q1	1,617	- 18.00%	- 1.52%	2,395	- 11.20%	+ 5.41%	4,012	- 14.07%	+ 2.50%
2020	Q4	1,642	- 29.44%	- 1.79%	2,272	- 26.40%	+ 2.20%	3,914	- 27.71%	+ 0.49%
	Q3	1,672	- 34.92%	+ 11.17%	2,223	- 34.58%	- 3.43%	3,895	- 34.72%	+ 2.34%
	Q2	1,504	- 41.66%	- 23.73%	2,302	- 34.51%	- 14.65%	3,806	- 37.53%	- 18.48%
	Q1	1,972	- 23.48%	- 15.26%	2,697	- 33.29%	- 12.63%	4,669	- 29.47%	- 13.76%
2019	Q4	2,327	- 9.70%	- 9.42%	3,087	- 25.58%	- 9.15%	5,414	- 19.49%	- 9.27%
	Q3	2,569	+ 1.26%	- 0.35%	3,398	- 14.13%	- 3.33%	5,967	- 8.12%	- 2.07%
	Q2	2,578	+ 10.45%	+ 0.04%	3,515	- 11.90%	- 13.06%	6,093	- 3.65%	- 7.96%
	Q1	2,577	+ 9.85%	+ 0.00%	4,043	+ 1.20%	- 2.53%	6,620	+ 4.40%	- 1.56%
2018	Q4	2,577	+ 3.12%	+ 1.58%	4,148	+ 0.29%	+ 4.83%	6,725	+ 1.36%	+ 3.56%
	Q3	2,537	- 0.20%	+ 8.70%	3,957	- 5.04%	- 0.83%	6,494	- 3.20%	+ 2.69%
	Q2	2,334	- 10.37%	- 0.51%	3,990	- 0.20%	- 0.13%	6,324	- 4.21%	- 0.27%
	Q1	2,346	- 9.56%	- 6.12%	3,995	- 0.03%	- 3.41%	6,341	- 3.78%	- 4.43%
2017	Q4	2,499	- 5.05%	- 1.69%	4,136	+ 8.13%	- 0.74%	6,635	+ 2.76%	- 1.10%
	Q3	2,542	- 2.61%	- 2.38%	4,167	+ 13.48%	+ 4.23%	6,709	+ 6.80%	+ 1.62%
	Q2	2,604	- 3.70%	+ 0.39%	3,998	+ 4.85%	+ 0.05%	6,602	+ 1.30%	+ 0.18%
	Q1	2,594	- 11.62%	- 1.44%	3,996	- 1.99%	+ 4.47%	6,590	- 6.02%	+ 2.06%
2016	Q4	2,632	- 20.82%	+ 0.84%	3,825	- 26.31%	+ 4.17%	6,457	- 24.17%	+ 2.79%
	Q3	2,610	- 25.87%	- 3.48%	3,672	- 37.54%	- 3.70%	6,282	- 33.17%	- 3.61%
	Q2	2,704	- 27.23%	- 7.87%	3,813	- 35.87%	- 6.48%	6,517	- 32.55%	- 7.06%
	Q1	2,935	- 23.29%	- 11.70%	4,077	- 38.58%	- 21.46%	7,012	- 32.99%	- 17.65%
2015	Q4	3,324	- 24.98%	- 5.60%	5,191	- 27.25%	- 11.70%	8,515	- 26.38%	- 9.41%
	Q3	3,521	- 20.68%	- 5.25%	5,879	- 18.18%	- 1.13%	9,400	- 19.13%	- 2.71%
	Q2	3,716	- 9.92%	- 2.88%	5,946	- 19.94%	- 10.42%	9,662	- 16.36%	- 7.66%
	Q1	3,826	- 13.54%	- 13.65%	6,638	- 9.33%	- 6.97%	10,464	- 10.91%	- 9.53%
2014	Q4	4,431	- 0.40%	- 0.18%	7,135	- 3.32%	- 0.70%	11,566	- 2.22%	- 0.50%
	Q3	4,439	+ 1.63%	+ 7.61%	7,185	- 11.55%	- 3.26%	11,624	- 6.94%	+ 0.62%
	Q2	4,125	- 6.02%	- 6.78%	7,427	- 11.78%	+ 1.45%	11,552	- 9.81%	- 1.65%
	Q1	4,425	+ 2.29%	- 0.54%	7,321	- 16.97%	- 0.80%	11,746	- 10.63%	- 0.70%
2013	Q4	4,449	- 2.07%	+ 1.85%	7,380	- 22.24%	- 9.15%	11,829	- 15.71%	- 5.30%
	Q3	4,368	- 3.23%	- 0.48%	8,123	- 17.17%	- 3.52%	12,491	- 12.78%	- 2.48%
	Q2	4,389	- 3.47%	+ 1.46%	8,419	- 27.78%	- 4.51%	12,808	- 20.96%	- 2.55%
	Q1	4,326	- 8.52%	- 4.78%	8,817	- 32.74%	- 7.10%	13,143	- 26.32%	- 6.35%
2012	Q4	4,543	+ 0.71%	+ 0.64%	9,491	- 29.56%	- 3.22%	14,034	- 21.96%	- 2.00%
	Q3	4,514	+ 0.00%	- 0.73%	9,807	- 30.95%	- 15.88%	14,321	- 23.49%	- 11.63%
	Q2	4,547	+ 1.02%	- 3.85%	11,658	- 14.37%	- 11.07%	16,205	- 10.55%	- 9.15%
	Q1	4,729	+ 8.36%	+ 4.83%	13,109	- 0.98%	- 2.70%	17,838	+ 1.33%	- 0.81%
2011	Q4	4,511	+ 4.37%	- 0.07%	13,473	+ 0.81%	- 5.14%	17,984	+ 1.68%	- 3.92%
	Q3	4,514	+ 7.25%	+ 0.29%	14,203	+ 7.33%	+ 4.32%	18,717	+ 7.31%	+ 3.32%
	Q2	4,501	+ 8.04%	+ 3.14%	13,615	+ 5.07%	+ 2.84%	18,116	+ 5.79%	+ 2.91%
	Q1	4,364	+ 9.81%	+ 0.97%	13,239	+ 7.35%	- 0.94%	17,603	+ 7.95%	- 0.47%
2010	Q4	4,322	+ 18.38%	+ 2.68%	13,365	+ 5.68%	+ 1.00%	17,687	+ 8.52%	+ 1.40%
	Q3	4,209	+ 10.85%	+ 1.03%	13,233	+ 0.17%	+ 2.12%	17,442	+ 2.55%	+ 1.86%
	Q2	4,166	+ 6.06%	+ 4.83%	12,958	- 11.38%	+ 5.08%	17,124	- 7.69%	+ 5.02%
	Q1	3,974	+ 5.86%	+ 8.85%	12,332	- 20.79%	- 2.49%	16,306	- 15.61%	+ 0.05%
2009	Q4	3,651	+ 1.14%	- 3.85%	12,647	- 17.51%	- 4.27%	16,298	- 13.95%	- 4.17%
	Q3	3,797	+ 10.25%	- 3.34%	13,211	- 10.63%	- 9.65%	17,008	- 6.69%	- 8.31%