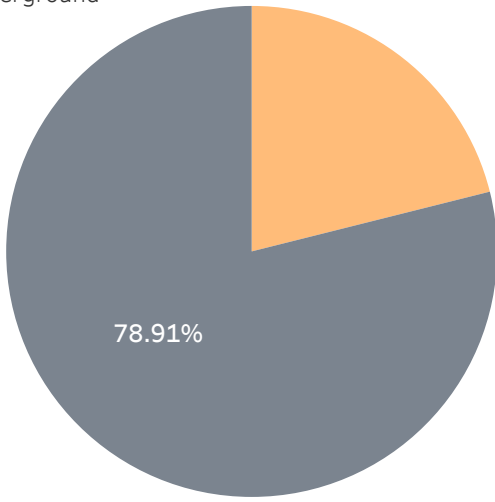
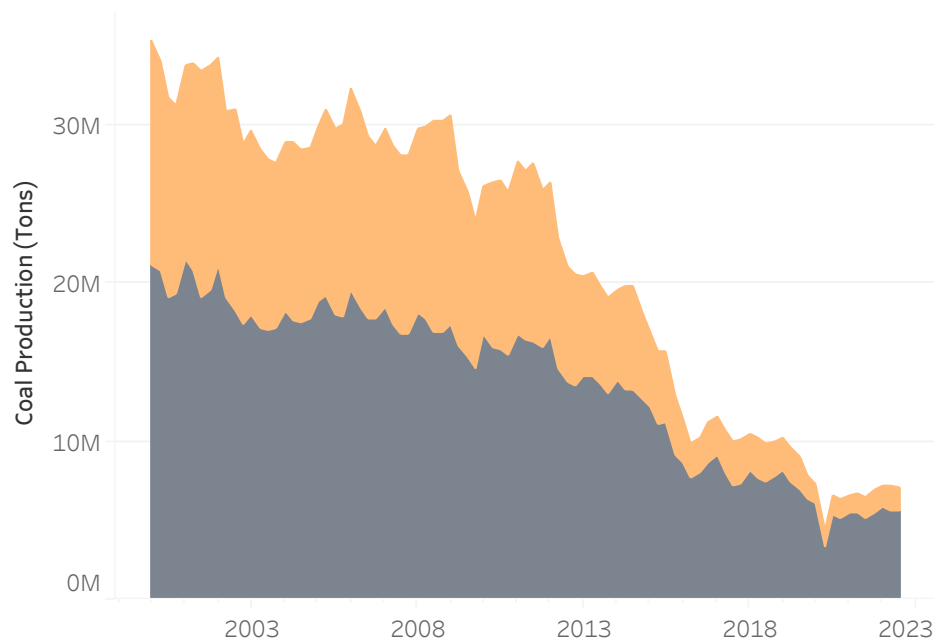


Kentucky Quarterly Coal Report (2022 - Q3)

Mine Type
■ Surface
■ Underground

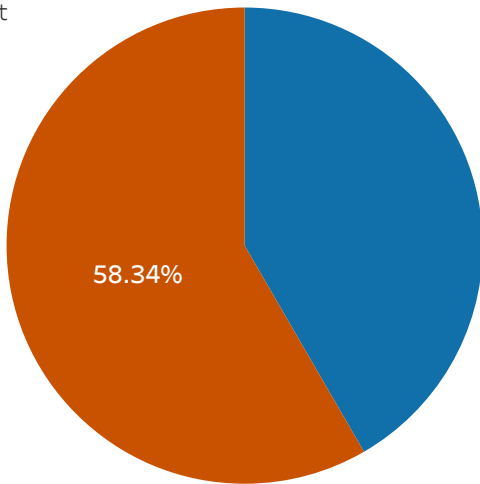


Coal Production by Mine Type (2000 - Q1 to 2022 - Q3)

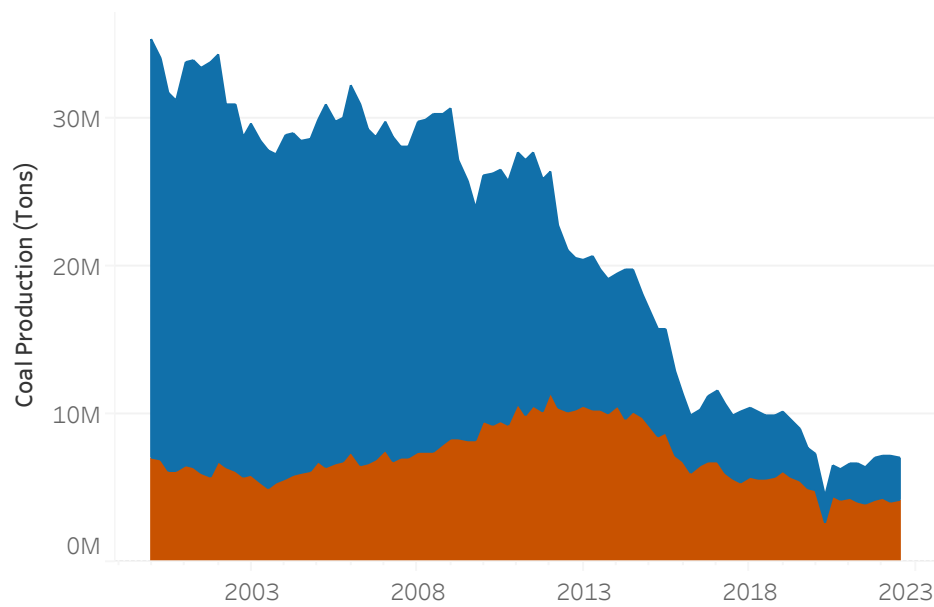


	Production	YoY change	Qtr change
Total	7,037,493	+ 10.31%	- 0.84%
Underground	5,553,408	+ 8.65%	- 0.75%
Surface	1,484,085	+ 17.03%	- 1.17%

Region
■ East
■ West



Coal Production by Region (2000 - Q1 to 2022 - Q3)

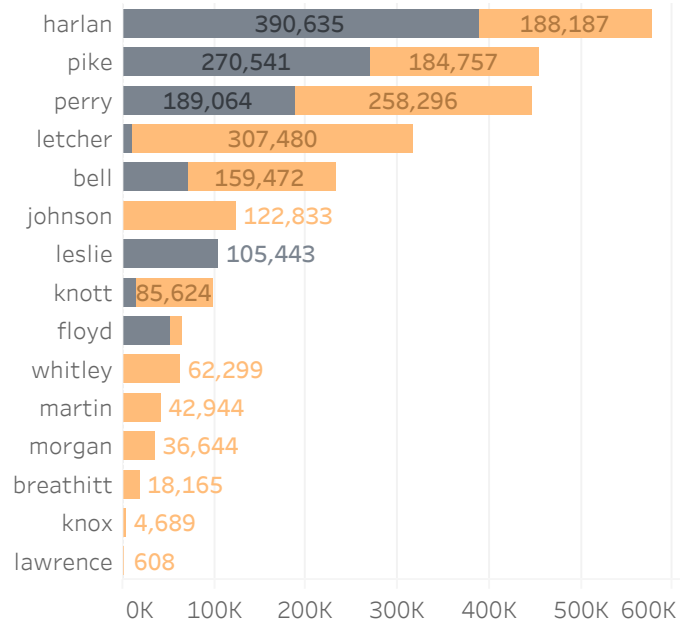
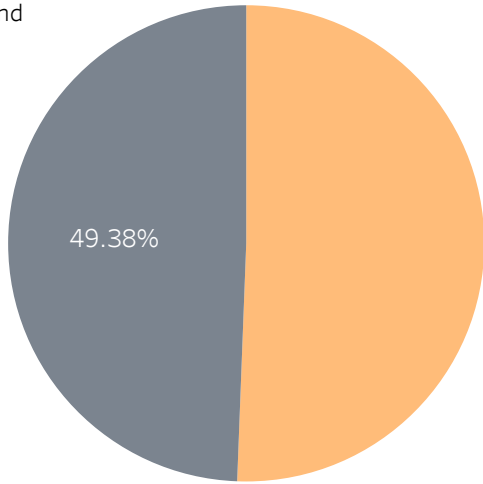


	Production	YoY change	Qtr change
Total	7,037,493	+ 10.31%	- 0.84%
East	2,931,778	+ 15.42%	- 4.80%
West	4,105,715	+ 6.94%	+ 2.19%

Eastern Kentucky (2022 - Q3)

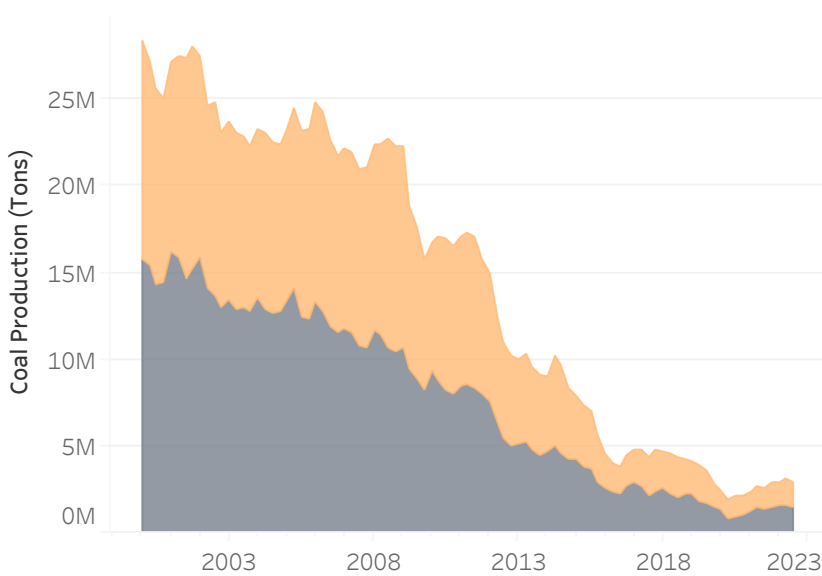
Mine Type

- Surface
- Underground



	Production	YoY change	Qtr change
Total	2,931,778	+ 15.42%	- 4.80%
Surface	1,484,085	+ 25.24%	- 1.17%
Underground	1,447,693	+ 6.82%	- 8.25%

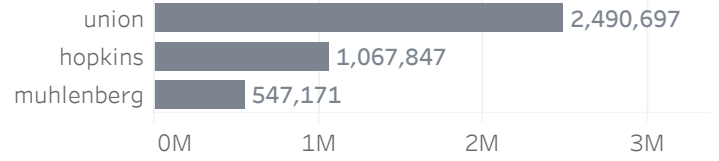
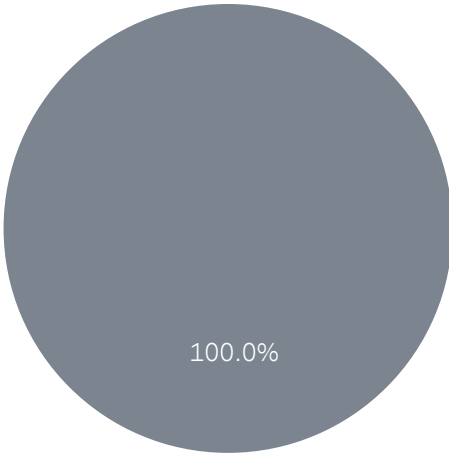
Eastern Kentucky Coal Production (2000 - Q1 to 2022 - Q3)



	County Coal Pro..	YoY change	Qtr change
EKY Total	2,931,778	+ 15.42%	- 4.80%
pike	799,011	+ 18.67%	- 8.70%
harlan	578,822	+ 15.10%	+ 3.29%
perry	447,360	- 2.49%	- 22.88%
letcher	317,230	+ 33.59%	+ 0.62%
bell	231,700	+ 22.64%	+ 14.70%
johnson	122,833	- 12.34%	- 10.09%
leslie	105,443	+ 26.25%	+ 4.22%
knott	99,303	+ 46.13%	+ 18.91%
floyd	64,727	+ 1.11%	- 40.70%
whitley	62,299	- 16.79%	+ 48.78%
martin	42,944	+ 180.35%	+ 325.82%
morgan	36,644		+ 16.61%
breathitt	18,165	+ 752.02%	+ 31.77%
knox	4,689	- 82.28%	- 74.27%
lawrence	608	+ 473.58%	- 20.21%

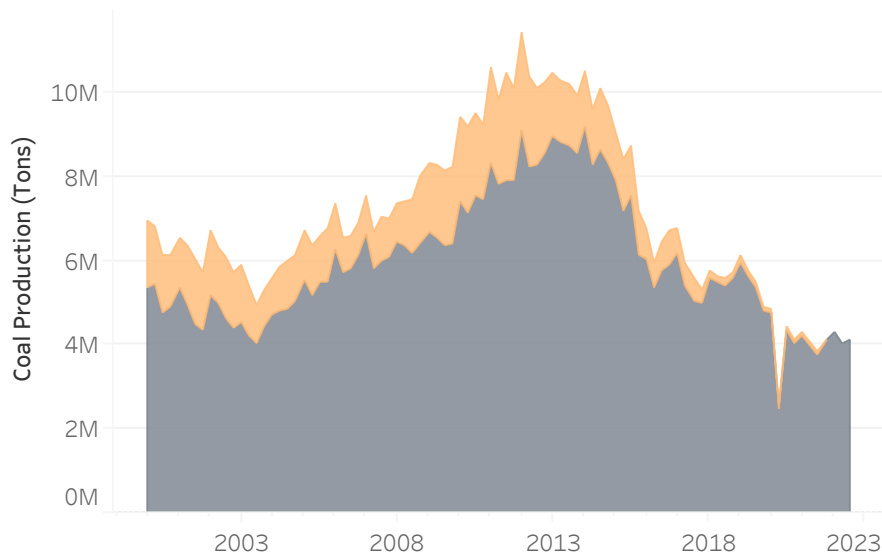
Western Kentucky (2022 - Q3)

Mine Type
 Underground



	Production	YoY change	Qtr change
Total	4,105,715	+ 6.94%	+ 2.19%
Underground	4,105,715	+ 9.31%	+ 2.19%
Surface	0	- 100.00%	

Western Kentucky Coal Production (2000 - Q1 to 2022 - Q3)

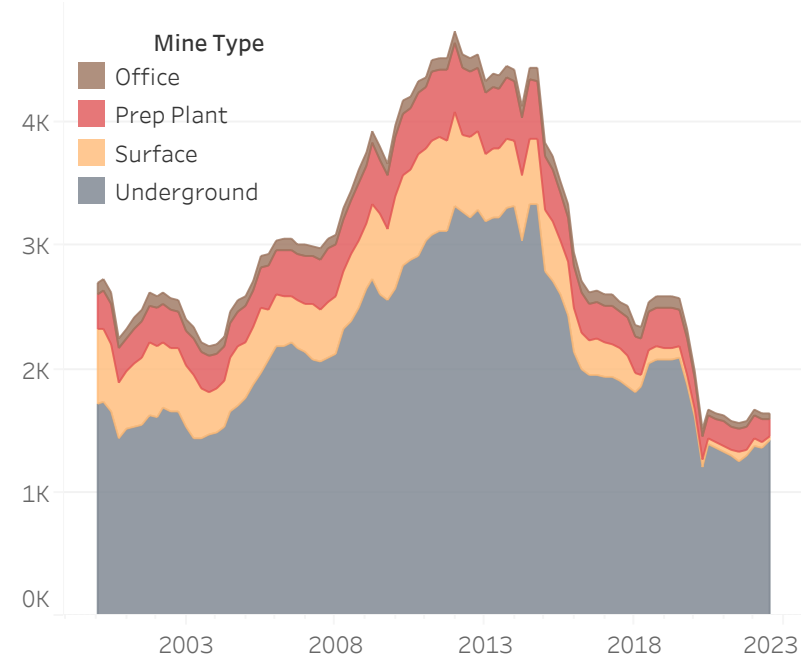
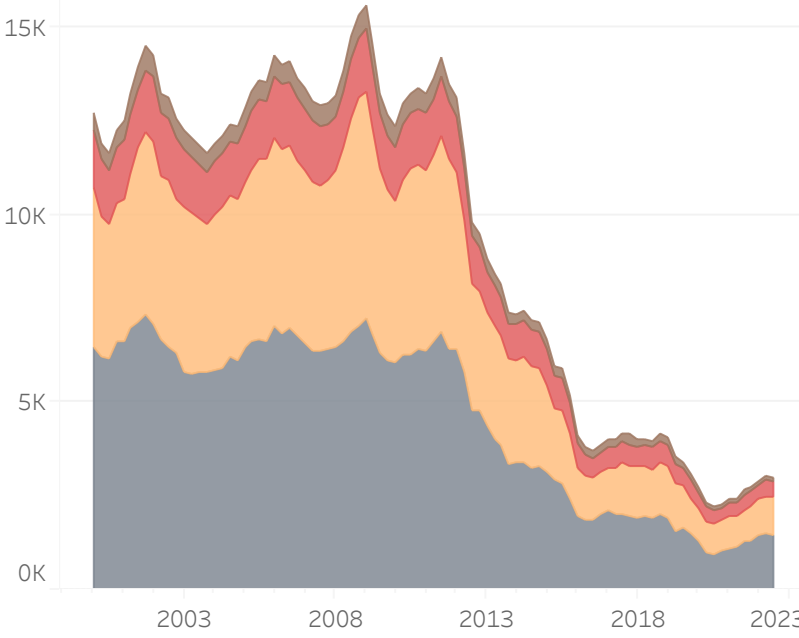


	County Coal Production	YoY change	Qtr change
WKY Total	4,105,715	+ 6.94%	+ 2.19%
union	2,490,697	+ 7.10%	+ 2.02%
hopkins	1,067,847	+ 11.92%	+ 4.78%
muhlenberg	547,171	+ 14.85%	- 1.76%

Employment by Region (2022 - Q3)

East Kentucky Employment by Mine Type (2000 - Q1 to 2022 - Q3)

West Kentucky Employment by Mine Type (2000 - Q1 to 2022 - Q3)



	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
EKY Total	2,994	+ 12.94%	+343	- 1.4%	-43
pike	1,020	+ 28.63%	+227	- 0.4%	-4
harlan	548	+ 14.41%	+69	+ 8.1%	+41
perry	446	- 8.61%	-42	- 17.3%	-93
bell	318	+ 25.69%	+65	+ 14.0%	+39
letcher	135	+ 37.76%	+37	+ 13.4%	+16
leslie	130	+ 11.11%	+13	+ 4.8%	+6
knott	89	+ 12.66%	+10	+ 27.1%	+19
floyd	84	+ 18.31%	+13	+ 2.4%	+2
johnson	62	+ 1.64%	+1	- 7.5%	-5
martin	37	- 15.91%	-7	+ 0.0%	-
whitley	30	- 62.50%	-50	- 61.5%	-48
breathitt	28	+ 833.33%	+25	+ 180.0%	+18
knox	17	- 57.50%	-23	- 61.4%	-27
clay	16	+ 6.67%	+1	- 5.9%	-1
boyd	13	+ 8.33%	+1	- 7.1%	-1
morgan	12		+12	- 7.7%	-1
mccreary	4	-	-	+ 0.0%	-
lawrence	3	-	-	+ 0.0%	-
lee	2	-	-	+ 0.0%	-
magoffin	0	- 100.00%	-4	- 100.0%	-4

	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
WKY Total	1,634	+ 4.88%	+76	+ 0.25%	+4
union	859	+ 12.14%	+93	+ 5.79%	+47
hopkins	485	+ 13.85%	+59	+ 0.62%	+3
muhlenberg	266	+ 1.92%	+5	- 0.37%	-1
ohio	24	- 22.58%	-7	+ 4.35%	+1

Total Employees by Mine Type

	Total Workers	YoY pct change	Qtr pct change
Total	4,628	+ 9.95%	- 0.84%
Underground	2,875	+ 14.31%	+ 0.70%
Surface	1,044	+ 14.22%	+ 1.95%
Preparation Plant	523	- 15.10%	- 15.51%
Office	186	+ 13.41%	+ 10.06%

Coal Production Reference Table										
		West			East			Total		
		Production	YoY change	Qtr change	Production	YoY change	Qtr change	Production	YoY change	Qtr change
2022	Q3	4,105,715	+ 6.94%	+ 2.19%	2,931,778	+ 15.42%	- 4.80%	7,037,493	+ 10.31%	- 0.84%
	Q2	4,017,548	- 1.04%	- 6.13%	3,079,504	+ 18.12%	+ 6.40%	7,097,052	+ 6.46%	- 1.08%
	Q1	4,279,989	+ 0.05%	+ 3.90%	2,894,278	+ 25.66%	+ 2.01%	7,174,267	+ 9.01%	+ 3.13%
2021	Q4	4,119,150	+ 0.49%	+ 7.29%	2,837,377	+ 31.93%	+ 11.70%	6,956,527	+ 11.31%	+ 9.04%
	Q3	3,839,326	- 13.23%	- 5.43%	2,540,196	+ 19.51%	- 2.56%	6,379,522	- 2.61%	- 4.31%
	Q2	4,059,665	+ 58.45%	- 5.10%	2,607,024	+ 41.87%	+ 13.19%	6,666,689	+ 51.53%	+ 1.30%
	Q1	4,278,043	- 11.35%	+ 4.37%	2,303,202	- 6.29%	+ 7.09%	6,581,245	- 9.65%	+ 5.31%
2020	Q4	4,098,927	- 16.08%	- 7.37%	2,150,628	- 23.68%	+ 1.19%	6,249,555	- 18.86%	- 4.59%
	Q3	4,424,915	- 19.27%	+ 72.71%	2,125,431	- 39.44%	+ 15.66%	6,550,346	- 27.15%	+ 48.88%
	Q2	2,562,103	- 55.52%	- 46.91%	1,837,580	- 52.08%	- 25.24%	4,399,683	- 54.15%	- 39.60%
	Q1	4,825,923	- 21.07%	- 1.19%	2,457,891	- 39.20%	- 12.77%	7,283,814	- 28.29%	- 5.43%
2019	Q4	4,884,272	- 14.67%	- 10.89%	2,817,755	- 32.62%	- 19.72%	7,702,027	- 22.25%	- 14.34%
	Q3	5,481,282	- 1.52%	- 4.84%	3,509,837	- 18.48%	- 8.47%	8,991,119	- 8.92%	- 6.29%
	Q2	5,760,256	+ 2.65%	- 5.79%	3,834,540	- 15.89%	- 5.15%	9,594,796	- 5.66%	- 5.53%
	Q1	6,114,327	+ 6.19%	+ 6.82%	4,042,564	- 12.45%	- 3.33%	10,156,891	- 2.11%	+ 2.54%
2018	Q4	5,723,927	+ 7.72%	+ 2.84%	4,181,681	- 12.16%	- 2.88%	9,905,608	- 1.67%	+ 0.35%
	Q3	5,566,036	- 0.31%	- 0.81%	4,305,471	- 0.12%	- 5.56%	9,871,507	- 0.23%	- 2.94%
	Q2	5,611,408	- 5.67%	- 2.54%	4,558,923	- 3.97%	- 1.27%	10,170,331	- 4.92%	- 1.98%
	Q1	5,757,753	- 14.82%	+ 8.36%	4,617,540	- 3.85%	- 3.01%	10,375,293	- 10.26%	+ 2.99%
2017	Q4	5,313,607	- 20.89%	- 4.83%	4,760,728	+ 6.65%	+ 10.44%	10,074,335	- 9.89%	+ 1.82%
	Q3	5,583,324	- 13.63%	- 6.15%	4,310,839	+ 14.33%	- 9.19%	9,894,163	- 3.33%	- 7.50%
	Q2	5,948,923	+ 0.18%	- 11.99%	4,747,187	+ 20.46%	- 1.15%	10,696,110	+ 8.27%	- 7.49%
	Q1	6,759,704	- 0.07%	+ 0.65%	4,802,301	+ 4.96%	+ 7.58%	11,562,005	+ 1.96%	+ 3.42%
2016	Q4	6,716,354	- 6.35%	+ 3.90%	4,463,804	- 20.76%	+ 18.39%	11,180,158	- 12.69%	+ 9.24%
	Q3	6,464,425	- 25.75%	+ 8.86%	3,770,467	- 45.74%	- 4.32%	10,234,892	- 34.63%	+ 3.60%
	Q2	5,938,328	- 29.27%	- 12.21%	3,940,873	- 45.95%	- 13.87%	9,879,201	- 37.02%	- 12.88%
	Q1	6,764,538	- 25.25%	- 5.68%	4,575,562	- 41.40%	- 18.77%	11,340,100	- 32.73%	- 11.44%
2015	Q4	7,171,565	- 26.04%	- 17.63%	5,633,026	- 32.61%	- 18.94%	12,804,591	- 29.08%	- 18.21%
	Q3	8,706,595	- 13.94%	+ 3.70%	6,949,340	- 27.66%	- 4.68%	15,655,935	- 20.62%	- 0.20%
	Q2	8,396,251	- 12.65%	- 7.22%	7,290,626	- 28.31%	- 6.62%	15,686,877	- 20.70%	- 6.94%
	Q1	9,049,591	- 13.98%	- 6.67%	7,807,472	- 12.86%	- 6.60%	16,857,063	- 13.46%	- 6.64%
2014	Q4	9,695,896	- 2.36%	- 4.16%	8,359,429	- 8.06%	- 12.98%	18,055,325	- 5.09%	- 8.45%
	Q3	10,116,906	- 0.90%	+ 5.25%	9,605,956	+ 0.91%	- 5.54%	19,722,862	- 0.03%	- 0.30%
	Q2	9,612,041	- 6.53%	- 8.63%	10,169,370	- 1.15%	+ 13.50%	19,781,411	- 3.84%	+ 1.55%
	Q1	10,519,840	+ 0.70%	+ 5.94%	8,959,469	- 10.05%	- 1.46%	19,479,309	- 4.54%	+ 2.40%
2013	Q4	9,930,116	- 2.76%	- 2.73%	9,092,654	- 11.07%	- 4.48%	19,022,770	- 6.92%	- 3.58%
	Q3	10,209,207	+ 1.30%	- 0.73%	9,519,449	- 12.76%	- 7.47%	19,728,656	- 6.01%	- 4.10%
	Q2	10,283,803	- 0.70%	- 1.55%	10,287,821	- 17.04%	+ 3.29%	20,571,624	- 9.60%	+ 0.81%
	Q1	10,446,242	- 8.36%	+ 2.29%	9,960,147	- 33.43%	- 2.59%	20,406,389	- 22.59%	- 0.15%
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%

Employment Reference Table										
		West			East			Total		
		Emp	YoY change	Qtr change	Emp	YoY change	Qtr change	Emp	YoY change	Qtr change
2022	Q3	1,634	+ 4.88%	+ 0.25%	2,994	+ 12.94%	- 1.42%	4,628	+ 9.95%	- 0.84%
	Q2	1,630	+ 3.56%	- 2.10%	3,037	+ 26.49%	+ 4.91%	4,667	+ 17.41%	+ 2.35%
	Q1	1,665	+ 2.97%	+ 5.71%	2,895	+ 20.52%	+ 5.97%	4,560	+ 13.46%	+ 5.87%
2021	Q4	1,575	- 4.08%	+ 1.09%	2,732	+ 19.98%	+ 3.06%	4,307	+ 9.90%	+ 2.33%
	Q3	1,558	- 6.82%	- 1.02%	2,651	+ 19.09%	+ 10.41%	4,209	+ 7.98%	+ 5.89%
	Q2	1,574	+ 4.65%	- 2.66%	2,401	+ 4.21%	- 0.04%	3,975	+ 4.39%	- 1.09%
	Q1	1,617	- 18.00%	- 1.52%	2,402	- 11.14%	+ 5.49%	4,019	- 14.03%	+ 2.55%
2020	Q4	1,642	- 29.44%	- 1.79%	2,277	- 26.41%	+ 2.29%	3,919	- 27.71%	+ 0.54%
	Q3	1,672	- 34.92%	+ 11.17%	2,226	- 34.53%	- 3.39%	3,898	- 34.70%	+ 2.36%
	Q2	1,504	- 41.66%	- 23.73%	2,304	- 34.53%	- 14.76%	3,808	- 37.54%	- 18.55%
	Q1	1,972	- 23.48%	- 15.26%	2,703	- 33.21%	- 12.64%	4,675	- 29.42%	- 13.76%
2019	Q4	2,327	- 9.70%	- 9.42%	3,094	- 25.48%	- 9.00%	5,421	- 19.44%	- 9.18%
	Q3	2,569	+ 1.26%	- 0.35%	3,400	- 14.16%	- 3.38%	5,969	- 8.14%	- 2.10%
	Q2	2,578	+ 10.45%	+ 0.04%	3,519	- 11.94%	- 13.05%	6,097	- 3.68%	- 7.96%
	Q1	2,577	+ 9.85%	+ 0.00%	4,047	+ 1.18%	- 2.53%	6,624	+ 4.38%	- 1.56%
2018	Q4	2,577	+ 3.12%	+ 1.58%	4,152	+ 0.34%	+ 4.82%	6,729	+ 1.39%	+ 3.55%
	Q3	2,537	- 0.20%	+ 8.70%	3,961	- 4.97%	- 0.88%	6,498	- 3.16%	+ 2.65%
	Q2	2,334	- 10.37%	- 0.51%	3,996	- 0.10%	- 0.10%	6,330	- 4.15%	- 0.25%
	Q1	2,346	- 9.56%	- 6.12%	4,000	+ 0.03%	- 3.33%	6,346	- 3.75%	- 4.38%
2017	Q4	2,499	- 5.05%	- 1.69%	4,138	+ 8.15%	- 0.72%	6,637	+ 2.77%	- 1.09%
	Q3	2,542	- 2.61%	- 2.38%	4,168	+ 13.60%	+ 4.20%	6,710	+ 6.86%	+ 1.61%
	Q2	2,604	- 3.70%	+ 0.39%	4,000	+ 4.90%	+ 0.03%	6,604	+ 1.33%	+ 0.17%
	Q1	2,594	- 11.62%	- 1.44%	3,999	- 1.84%	+ 4.52%	6,593	- 5.94%	+ 2.09%
2016	Q4	2,632	- 20.82%	+ 0.84%	3,826	- 26.25%	+ 4.28%	6,458	- 24.13%	+ 2.85%
	Q3	2,610	- 25.87%	- 3.48%	3,669	- 37.64%	- 3.78%	6,279	- 33.24%	- 3.65%
	Q2	2,704	- 27.23%	- 7.87%	3,813	- 35.94%	- 6.41%	6,517	- 32.59%	- 7.02%
	Q1	2,935	- 23.29%	- 11.70%	4,074	- 38.67%	- 21.47%	7,009	- 33.05%	- 17.66%
2015	Q4	3,324	- 24.98%	- 5.60%	5,188	- 27.29%	- 11.83%	8,512	- 26.40%	- 9.49%
	Q3	3,521	- 20.68%	- 5.25%	5,884	- 18.11%	- 1.14%	9,405	- 19.09%	- 2.72%
	Q2	3,716	- 9.92%	- 2.88%	5,952	- 19.87%	- 10.40%	9,668	- 16.32%	- 7.65%
	Q1	3,826	- 13.54%	- 13.65%	6,643	- 9.27%	- 6.90%	10,469	- 10.88%	- 9.48%
2014	Q4	4,431	- 0.40%	- 0.18%	7,135	- 3.33%	- 0.70%	11,566	- 2.23%	- 0.50%
	Q3	4,439	+ 1.63%	+ 7.61%	7,185	- 11.59%	- 3.27%	11,624	- 6.97%	+ 0.61%
	Q2	4,125	- 6.02%	- 6.78%	7,428	- 11.82%	+ 1.45%	11,553	- 9.83%	- 1.65%
	Q1	4,425	+ 2.29%	- 0.54%	7,322	- 17.00%	- 0.80%	11,747	- 10.66%	- 0.70%
2013	Q4	4,449	- 2.07%	+ 1.85%	7,381	- 22.23%	- 9.18%	11,830	- 15.70%	- 5.32%
	Q3	4,368	- 3.23%	- 0.48%	8,127	- 17.13%	- 3.53%	12,495	- 12.75%	- 2.48%
	Q2	4,389	- 3.47%	+ 1.46%	8,424	- 27.74%	- 4.51%	12,813	- 20.93%	- 2.55%
	Q1	4,326	- 8.52%	- 4.78%	8,822	- 32.70%	- 7.05%	13,148	- 26.29%	- 6.31%
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%