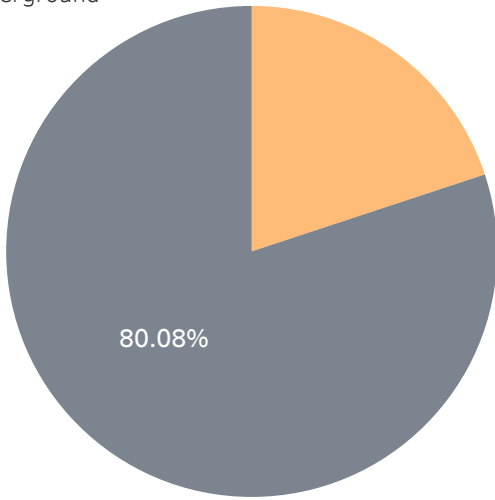
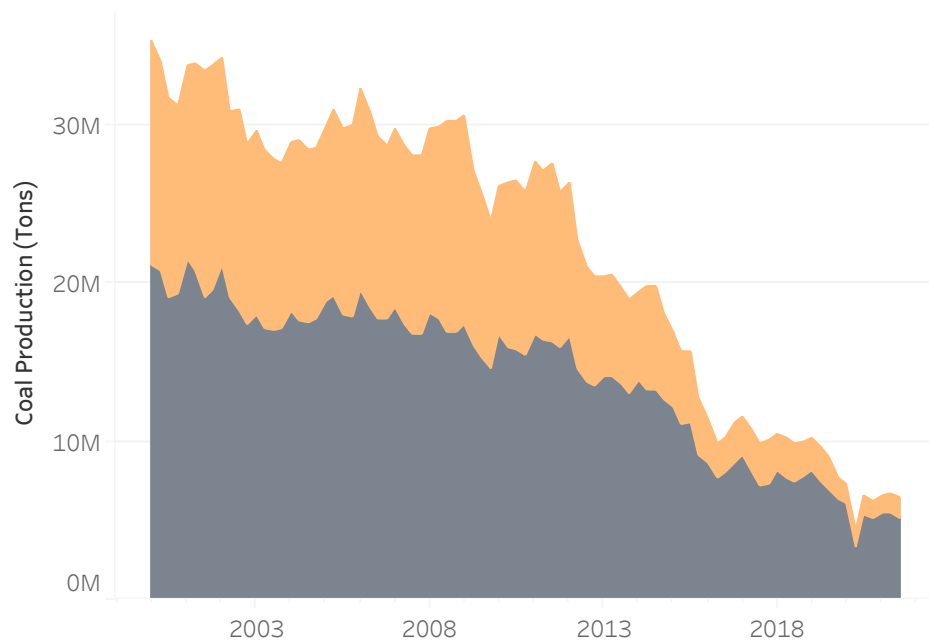


Kentucky Quarterly Coal Report (2021 - Q3)

Mine Type
 Surface
 Underground



Coal Production by Mine Type (2000 - Q1 to 2021 - Q3)

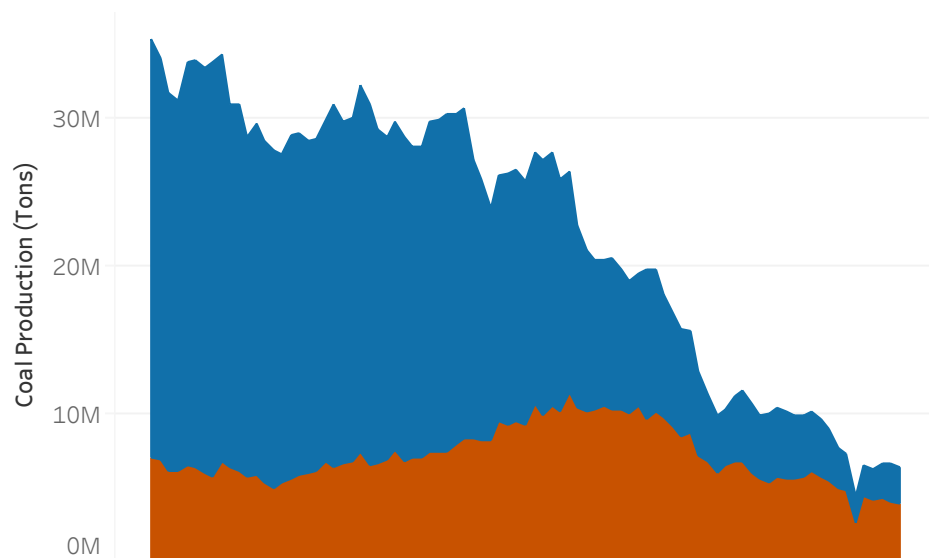
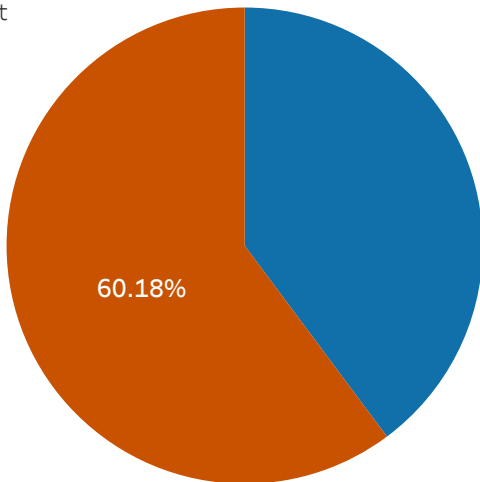


2003 2008 2013 2018

	Production	YoY change	Qtr change
Total	6,379,383	- 1.88%	- 4.39%
Underground	5,108,782	- 3.19%	- 6.26%
Surface	1,270,601	+ 3.80%	+ 3.92%

Coal Production by Region (2000 - Q1 to 2021 - Q3)

Region
 East
 West



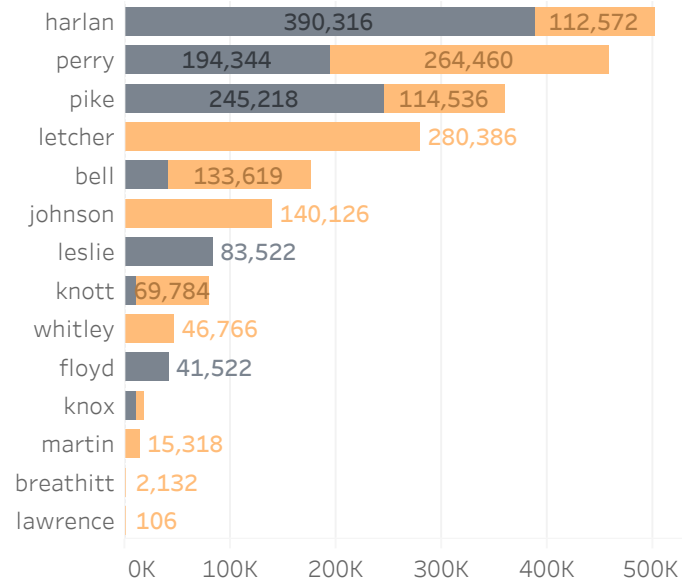
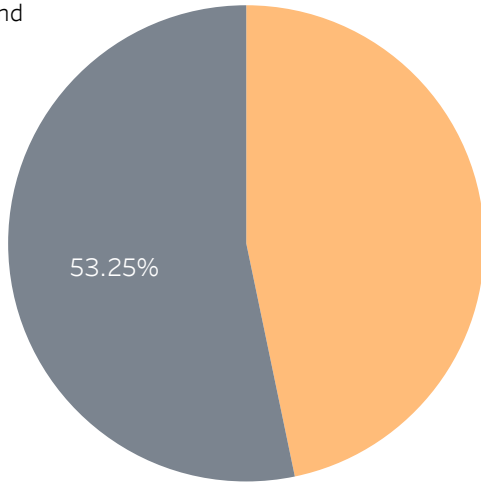
2003 2008 2013 2018

	Production	YoY change	Qtr change
Total	6,379,383	- 1.88%	- 4.39%
East	2,540,057	+ 22.33%	- 2.78%
West	3,839,326	- 13.23%	- 5.43%

Eastern Kentucky (2021 - Q3)

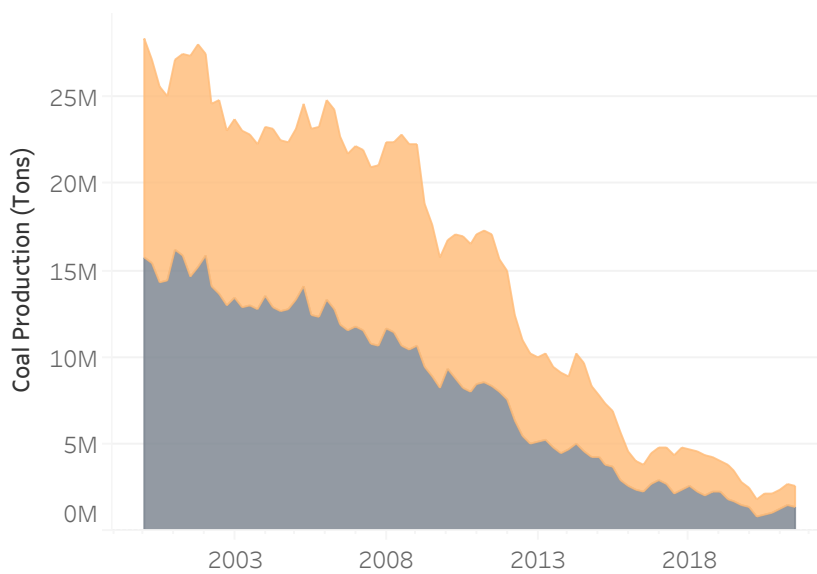
Mine Type

- Surface
- Underground



	Production	YoY change	Qtr change
Total	2,540,057	+ 22.33%	- 2.78%
Surface	1,187,410	+ 4.20%	+ 3.07%
Underground	1,352,647	+ 44.38%	- 7.40%

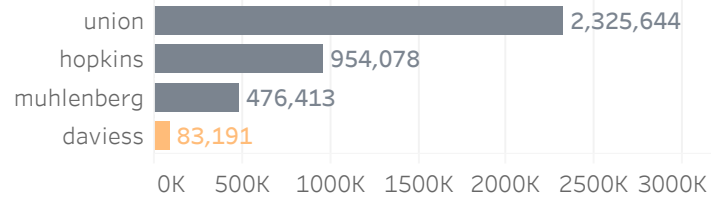
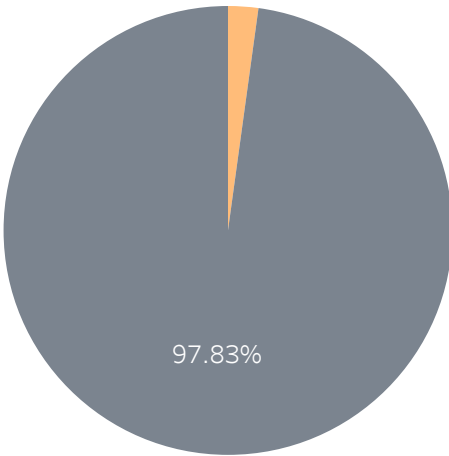
Eastern Kentucky Coal Production (2000 - Q1 to 2021 - Q3)



	County Coal Production	YoY change	Qtr change
EKY Total	2,540,057	+ 22.33%	- 2.78%
pike	692,759	+ 19.59%	- 18.78%
harlan	502,888	+ 78.42%	+ 15.26%
perry	458,804	- 3.71%	- 10.00%
letcher	280,386	+ 451.94%	+ 37.37%
bell	176,222	+ 24.79%	+ 16.51%
johnson	140,126	+ 15.00%	- 5.45%
leslie	83,522	- 54.59%	- 9.14%
knott	80,655	- 14.84%	- 30.92%
whitley	46,766	- 7.83%	+ 8.87%
floyd	41,522	+ 64.53%	+ 55.93%
knox	18,851	- 54.70%	- 17.52%
martin	15,318	- 46.20%	+ 97.86%
breathitt	2,132	+ 68.67%	
lawrence	106		

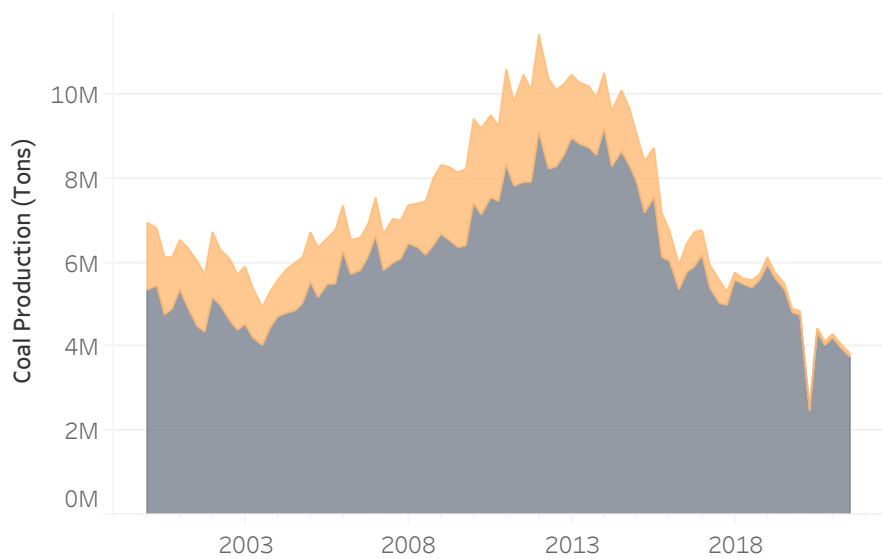
Western Kentucky (2021 - Q3)

Mine Type
■ Surface
■ Underground



	Production	YoY change	Qtr change
Total	3,839,326	- 13.23%	- 5.43%
Underground	3,756,135	- 13.46%	- 5.84%
Surface	83,191	- 1.69%	+ 17.89%

Western Kentucky Coal Production (2000 - Q1 to 2021 - Q3)

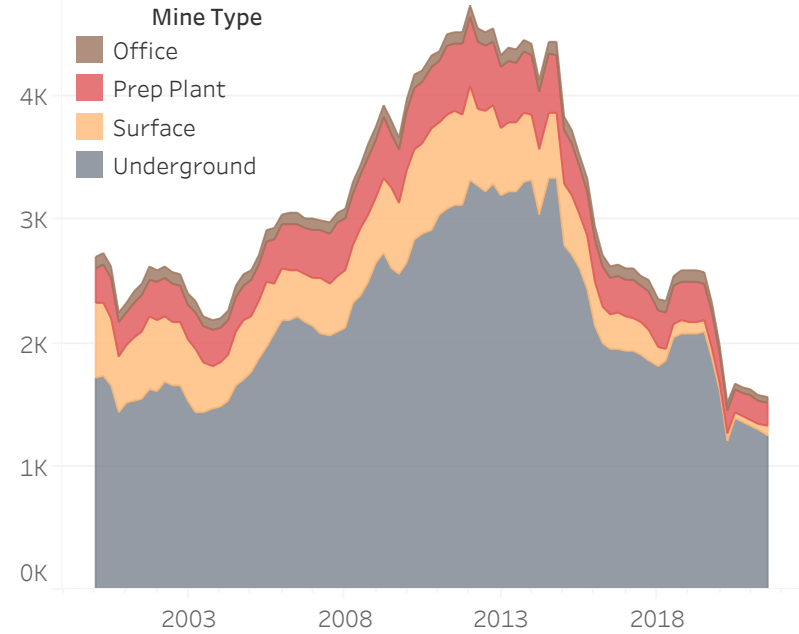
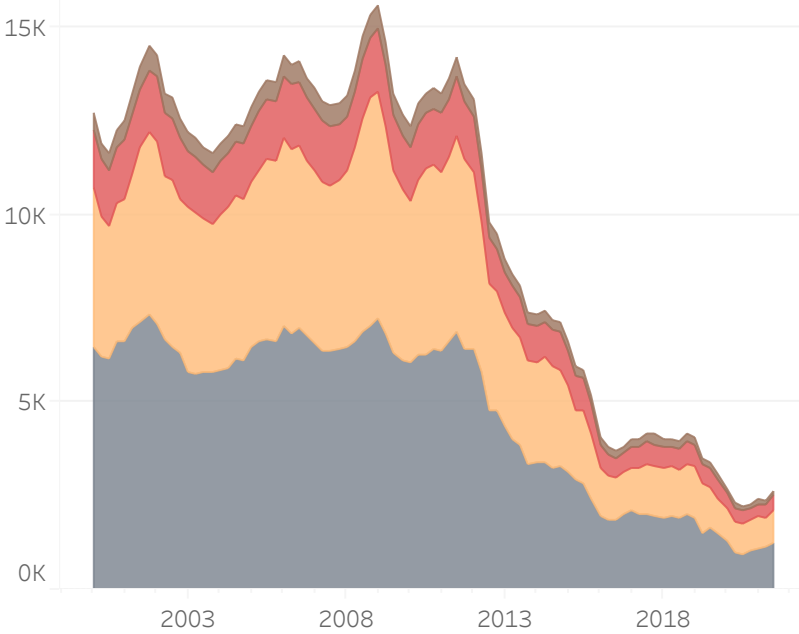


	County Coal Production	YoY change	Qtr change
WKY Total	3,839,326	- 13.23%	- 5.43%
union	2,325,644	- 14.46%	- 3.17%
hopkins	954,078	- 11.28%	- 9.67%
muhlenberg	476,413	- 12.80%	- 10.30%
daviess	83,191	- 1.69%	+ 17.89%

Employment by Region (2021 - Q3)

East Kentucky Employment by Mine Type (2000 - Q1 to 2021 - Q3)

West Kentucky Employment by Mine Type (2000 - Q1 to 2021 - Q3)



	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
EKY Total	2,619	+ 18.03%	+400	+ 10.0%	+238
pike	780	- 0.89%	-7	- 3.3%	-27
perry	488	+ 39.83%	+139	+ 15.4%	+65
harlan	479	+ 76.10%	+207	+ 33.1%	+119
bell	246	+ 18.27%	+38	+ 10.8%	+24
leslie	117	- 32.37%	-56	+ 0.9%	+1
letcher	100	+ 203.03%	+67	+ 20.5%	+17
knott	84	- 7.69%	-7	+ 1.2%	+1
whitley	73	- 7.59%	-6	+ 19.7%	+12
floyd	67	+ 17.54%	+10	+ 15.5%	+9
johnson	61	+ 3.39%	+2	+ 3.4%	+2
martin	44	+ 450.00%	+36	+ 69.2%	+18
knox	37	- 39.34%	-24	- 2.6%	-1
clay	15	+ 15.38%	+2	+ 0.0%	-
boyd	12	+ 9.09%	+1	+ 50.0%	+4
magoffin	4	+ 0.00%	-	+ 0.0%	-
mccreary	4	+ 0.00%	-	+ 0.0%	-
breathitt	3	+ 50.00%	+1	- 25.0%	-1
lawrence	3	- 25.00%	-1	+ 50.0%	+1
lee	2			+ 0.0%	-
morgan	0	- 100.00%	-4	- 100.0%	-4

	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
WKY Total	1,558	- 6.82%	-114	- 1.02%	-16
union	766	- 10.09%	-86	- 0.26%	-2
hopkins	426	- 7.39%	-34	- 7.59%	-35
muhlenberg	261	+ 2.35%	+6	+ 2.76%	+7
marshall	43	+ 10.26%	+4	+ 4.88%	+2
daviess	31	- 3.13%	-1	+ 0.00%	-
ohio	31	+ 287.50%	+23	+ 63.16%	+12

Total Employees by Mine Type

	Total Workers	YoY pct change	Qtr pct change
Total	4,177	7.35%	+ 5.61%
Underground	2,505	7.60%	+ 4.46%
Surface	892	4.45%	+ 5.31%
Preparation Plant	616	16.89%	+ 12.20%
Office	164	-9.89%	+ 1.86%

Coal Production Reference Table										
		West			East			Total		
		Production	YoY change	Qtr change	Production	YoY change	Qtr change	Production	YoY change	Qtr change
2021	Q3	3,839,326	-13.23%	-5.43%	2,540,057	+22.33%	-2.78%	6,379,383	-1.88%	-4.39%
	Q2	4,059,665	+58.45%	-5.10%	2,612,788	+45.99%	+13.98%	6,672,453	+53.33%	+1.55%
	Q1	4,278,043	-11.35%	+4.37%	2,292,337	-4.64%	+10.49%	6,570,380	-9.12%	+6.43%
2020	Q4	4,098,927	-16.08%	-7.37%	2,074,646	-24.81%	-0.08%	6,173,573	-19.23%	-5.04%
	Q3	4,424,915	-19.27%	+72.71%	2,076,401	-40.09%	+16.02%	6,501,316	-27.34%	+49.40%
	Q2	2,562,103	-55.52%	-46.91%	1,789,650	-52.74%	-25.55%	4,351,753	-54.42%	-39.81%
	Q1	4,825,923	-21.07%	-1.19%	2,403,944	-40.08%	-12.87%	7,229,867	-28.60%	-5.41%
2019	Q4	4,884,272	-14.67%	-10.89%	2,759,154	-33.78%	-20.39%	7,643,426	-22.72%	-14.57%
	Q3	5,481,282	-1.52%	-4.84%	3,465,971	-19.08%	-8.47%	8,947,253	-9.16%	-6.28%
	Q2	5,760,256	+2.65%	-5.79%	3,786,533	-16.40%	-5.62%	9,546,789	-5.86%	-5.72%
	Q1	6,114,327	+6.19%	+6.82%	4,011,823	-13.12%	-3.72%	10,126,150	-2.40%	+2.38%
2018	Q4	5,723,927	+7.72%	+2.84%	4,166,830	-11.92%	-2.72%	9,890,757	-1.53%	+0.42%
	Q3	5,566,036	-0.31%	-0.81%	4,283,435	+0.00%	-5.43%	9,849,471	-0.18%	-2.87%
	Q2	5,611,408	-5.67%	-2.54%	4,529,557	-3.98%	-1.90%	10,140,965	-4.92%	-2.26%
	Q1	5,757,753	-14.82%	+8.36%	4,617,414	-3.03%	-2.39%	10,375,167	-9.95%	+3.30%
2017	Q4	5,313,607	-20.89%	-4.83%	4,730,499	+6.23%	+10.43%	10,044,106	-10.08%	+1.80%
	Q3	5,583,324	-13.63%	-6.15%	4,283,580	+13.61%	-9.19%	9,866,904	-3.60%	-7.49%
	Q2	5,948,923	+0.18%	-11.99%	4,717,177	+19.70%	-0.93%	10,666,100	+7.97%	-7.42%
	Q1	6,759,704	-0.07%	+0.65%	4,761,666	+3.98%	+6.93%	11,521,370	+1.56%	+3.15%
2016	Q4	6,716,354	-6.35%	+3.90%	4,453,095	-20.56%	+18.10%	11,169,449	-12.58%	+9.13%
	Q3	6,464,425	-25.75%	+8.86%	3,770,467	-45.49%	-4.32%	10,234,892	-34.49%	+3.60%
	Q2	5,938,328	-29.27%	-12.21%	3,940,873	-45.72%	-13.94%	9,879,201	-36.90%	-12.91%
	Q1	6,764,538	-25.25%	-5.68%	4,579,418	-40.89%	-18.31%	11,343,956	-32.46%	-11.22%
2015	Q4	7,171,565	-26.04%	-17.63%	5,605,880	-32.90%	-18.96%	12,777,445	-29.21%	-18.22%
	Q3	8,706,595	-13.94%	+3.70%	6,917,488	-28.36%	-4.72%	15,624,083	-20.98%	-0.21%
	Q2	8,396,251	-12.65%	-7.22%	7,260,178	-28.43%	-6.29%	15,656,429	-20.75%	-6.79%
	Q1	9,049,591	-13.98%	-6.67%	7,747,488	-13.02%	-7.26%	16,797,079	-13.54%	-6.94%
2014	Q4	9,695,896	-2.36%	-4.16%	8,354,032	-7.57%	-13.48%	18,049,928	-4.84%	-8.71%
	Q3	10,116,906	-0.90%	+5.25%	9,655,380	+2.01%	-4.81%	19,772,286	+0.50%	+0.08%
	Q2	9,612,041	-6.53%	-8.63%	10,143,650	-0.82%	+13.88%	19,755,691	-3.68%	+1.69%
	Q1	10,519,840	+0.70%	+5.94%	8,907,349	-10.26%	-1.44%	19,427,189	-4.64%	+2.42%
2013	Q4	9,930,116	-2.76%	-2.73%	9,037,810	-11.44%	-4.52%	18,967,926	-7.10%	-3.59%
	Q3	10,209,207	+1.30%	-0.73%	9,465,550	-13.27%	-7.45%	19,674,757	-6.28%	-4.08%
	Q2	10,283,803	-0.70%	-1.55%	10,227,157	-17.17%	+3.03%	20,510,960	-9.66%	+0.68%
	Q1	10,446,242	-8.36%	+2.29%	9,925,957	-33.56%	-2.74%	20,372,199	-22.66%	-0.22%
2012	Q4	10,212,118	+1.02%	+1.32%	10,205,535	-34.77%	-6.49%	20,417,653	-20.72%	-2.74%
	Q3	10,078,665	-3.70%	-2.68%	10,913,823	-36.20%	-11.61%	20,992,488	-23.86%	-7.54%
	Q2	10,356,005	+5.26%	-9.15%	12,347,674	-28.43%	-17.36%	22,703,679	-16.19%	-13.81%
	Q1	11,399,527	+7.44%	+12.77%	14,940,847	-12.33%	-4.50%	26,340,374	-4.75%	+2.28%
2011	Q4	10,108,522	+9.29%	-3.42%	15,645,420	-5.15%	-8.54%	25,753,942	+0.04%	-6.60%
	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	+2.18%	+3.32%	27,652,998	+5.95%	+7.42%
2010	Q4	9,249,023	+12.45%	-2.59%	16,494,366	+5.10%	-2.53%	25,743,389	+7.63%	-2.55%
	Q3	9,494,482	+16.80%	+3.53%	16,922,074	-3.97%	-0.94%	26,416,556	+2.59%	+0.62%
	Q2	9,171,091	+10.95%	-2.65%	17,082,842	-9.24%	+2.42%	26,253,933	-3.08%	+0.59%
	Q1	9,421,068	+13.06%	+14.55%	16,678,615	-24.96%	+6.28%	26,099,683	-14.59%	+9.12%
2009	Q4	8,224,772	+3.14%	+1.18%	15,693,233	-29.41%	-10.94%	23,918,005	-20.82%	-7.11%
	Q3	8,128,670	+9.45%	-1.66%	17,621,006	-22.59%	-6.38%	25,749,676	-14.71%	-4.94%
	Q2	8,266,060	+11.58%	-0.80%	18,822,045	-15.91%	-15.32%	27,088,105	-9.07%	-11.36%
	Q1	8,332,597	+13.24%	+4.49%	22,225,993	-0.41%	-0.03%	30,558,590	+2.98%	+1.17%
2008	Q4	7,974,371	+13.74%	+7.37%	22,231,622	+5.87%	-2.34%	30,205,993	+7.84%	+0.05%

Employment Reference Table										
		West			East			Total		
		Emp	YoY change	Qtr change	Emp	YoY change	Qtr change	Emp	YoY change	Qtr change
2021	Q3	1,558	- 6.82%	- 1.02%	2,619	+ 18.03%	+ 10.00%	4,177	+ 7.35%	+ 5.61%
	Q2	1,574	+ 4.65%	- 2.66%	2,381	+ 3.70%	- 0.71%	3,955	+ 4.08%	- 1.49%
	Q1	1,617	- 18.00%	- 1.52%	2,398	- 10.89%	+ 5.83%	4,015	- 13.90%	+ 2.74%
2020	Q4	1,642	- 29.44%	- 1.79%	2,266	- 26.43%	+ 2.12%	3,908	- 27.72%	+ 0.44%
	Q3	1,672	- 34.92%	+ 11.17%	2,219	- 34.62%	- 3.35%	3,891	- 34.75%	+ 2.39%
	Q2	1,504	- 41.66%	- 23.73%	2,296	- 34.51%	- 14.68%	3,800	- 37.54%	- 18.51%
	Q1	1,972	- 23.48%	- 15.26%	2,691	- 33.29%	- 12.63%	4,663	- 29.47%	- 13.76%
2019	Q4	2,327	- 9.70%	- 9.42%	3,080	- 25.69%	- 9.25%	5,407	- 19.56%	- 9.32%
	Q3	2,569	+ 1.26%	- 0.35%	3,394	- 14.12%	- 3.19%	5,963	- 8.11%	- 1.99%
	Q2	2,578	+ 10.45%	+ 0.04%	3,506	- 12.02%	- 13.09%	6,084	- 3.72%	- 7.97%
	Q1	2,577	+ 9.85%	+ 0.00%	4,034	+ 1.05%	- 2.68%	6,611	+ 4.31%	- 1.65%
2018	Q4	2,577	+ 3.12%	+ 1.58%	4,145	+ 0.36%	+ 4.88%	6,722	+ 1.40%	+ 3.59%
	Q3	2,537	- 0.20%	+ 8.70%	3,952	- 4.98%	- 0.83%	6,489	- 3.16%	+ 2.69%
	Q2	2,334	- 10.37%	- 0.51%	3,985	- 0.08%	- 0.18%	6,319	- 4.14%	- 0.30%
	Q1	2,346	- 9.56%	- 6.12%	3,992	+ 0.15%	- 3.34%	6,338	- 3.68%	- 4.39%
2017	Q4	2,499	- 5.05%	- 1.69%	4,130	+ 8.46%	- 0.70%	6,629	+ 2.93%	- 1.07%
	Q3	2,542	- 2.61%	- 2.38%	4,159	+ 13.26%	+ 4.29%	6,701	+ 6.67%	+ 1.65%
	Q2	2,604	- 3.70%	+ 0.39%	3,988	+ 4.59%	+ 0.05%	6,592	+ 1.15%	+ 0.18%
	Q1	2,594	- 11.62%	- 1.44%	3,986	- 2.14%	+ 4.67%	6,580	- 6.11%	+ 2.17%
2016	Q4	2,632	- 20.82%	+ 0.84%	3,808	- 26.44%	+ 3.70%	6,440	- 24.24%	+ 2.52%
	Q3	2,610	- 25.87%	- 3.48%	3,672	- 37.32%	- 3.70%	6,282	- 33.02%	- 3.61%
	Q2	2,704	- 27.23%	- 7.87%	3,813	- 35.65%	- 6.38%	6,517	- 32.40%	- 7.01%
	Q1	2,935	- 23.29%	- 11.70%	4,073	- 38.44%	- 21.33%	7,008	- 32.89%	- 17.56%
2015	Q4	3,324	- 24.98%	- 5.60%	5,177	- 27.32%	- 11.63%	8,501	- 26.42%	- 9.36%
	Q3	3,521	- 20.68%	- 5.25%	5,858	- 18.32%	- 1.13%	9,379	- 19.22%	- 2.72%
	Q2	3,716	- 9.92%	- 2.88%	5,925	- 20.09%	- 10.44%	9,641	- 16.46%	- 7.67%
	Q1	3,826	- 13.54%	- 13.65%	6,616	- 9.47%	- 7.12%	10,442	- 11.00%	- 9.62%
2014	Q4	4,431	- 0.40%	- 0.18%	7,123	- 3.29%	- 0.68%	11,554	- 2.20%	- 0.49%
	Q3	4,439	+ 1.63%	+ 7.61%	7,172	- 11.52%	- 3.28%	11,611	- 6.92%	+ 0.62%
	Q2	4,125	- 6.02%	- 6.78%	7,415	- 11.77%	+ 1.46%	11,540	- 9.79%	- 1.64%
	Q1	4,425	+ 2.29%	- 0.54%	7,308	- 17.00%	- 0.77%	11,733	- 10.65%	- 0.69%
2013	Q4	4,449	- 2.07%	+ 1.85%	7,365	- 22.30%	- 9.14%	11,814	- 15.75%	- 5.29%
	Q3	4,368	- 3.23%	- 0.48%	8,106	- 17.24%	- 3.55%	12,474	- 12.82%	- 2.49%
	Q2	4,389	- 3.47%	+ 1.46%	8,404	- 27.82%	- 4.55%	12,793	- 20.98%	- 2.57%
	Q1	4,326	- 8.52%	- 4.78%	8,805	- 32.76%	- 7.11%	13,131	- 26.33%	- 6.35%
2012	Q4	4,543	+ 0.71%	+ 0.64%	9,479	- 29.56%	- 3.22%	14,022	- 21.96%	- 2.00%
	Q3	4,514	+ 0.00%	- 0.73%	9,794	- 31.04%	- 15.88%	14,308	- 23.56%	- 11.62%
	Q2	4,547	+ 1.02%	- 3.85%	11,643	- 14.48%	- 11.09%	16,190	- 10.63%	- 9.17%
	Q1	4,729	+ 8.36%	+ 4.83%	13,095	- 1.09%	- 2.69%	17,824	+ 1.26%	- 0.80%
2011	Q4	4,511	+ 4.37%	- 0.07%	13,457	+ 0.69%	- 5.25%	17,968	+ 1.59%	- 4.00%
	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	+ 7.32%	- 0.94%	17,603	+ 7.93%	- 0.47%
2010	Q4	4,322	+ 18.38%	+ 2.68%	13,365	+ 5.62%	+ 1.00%	17,687	+ 8.48%	+ 1.40%
	Q3	4,209	+ 10.85%	+ 1.03%	13,233	+ 0.15%	+ 2.12%	17,442	+ 2.54%	+ 1.86%
	Q2	4,166	+ 6.06%	+ 4.83%	12,958	- 11.41%	+ 5.04%	17,124	- 7.71%	+ 4.99%
	Q1	3,974	+ 5.86%	+ 8.85%	12,336	- 20.79%	- 2.51%	16,310	- 15.61%	+ 0.03%
2009	Q4	3,651	+ 1.14%	- 3.85%	12,654	- 17.49%	- 4.23%	16,305	- 13.94%	- 4.14%
	Q3	3,797	+ 10.25%	- 3.34%	13,213	- 10.65%	- 9.67%	17,010	- 6.70%	- 8.33%
	Q2	3,928	+ 19.17%	+ 4.64%	14,627	+ 5.58%	- 6.08%	18,555	+ 8.19%	- 4.00%
	Q1	3,754	+ 22.00%	+ 3.99%	15,574	+ 18.19%	+ 1.55%	19,328	+ 18.91%	+ 2.01%
2008	Q4	3,610	+ 18.32%	+ 4.82%	15,337	+ 18.24%	+ 3.71%	18,947	+ 18.26%	+ 3.92%