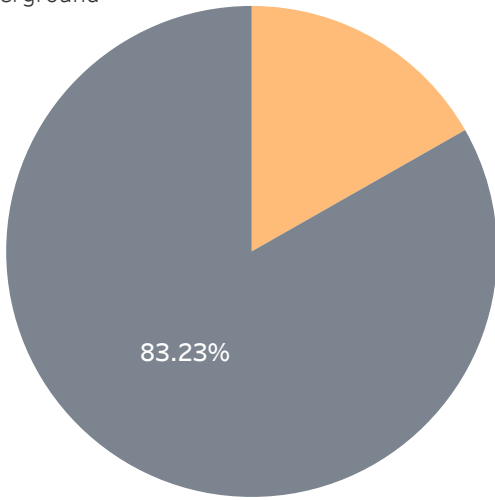
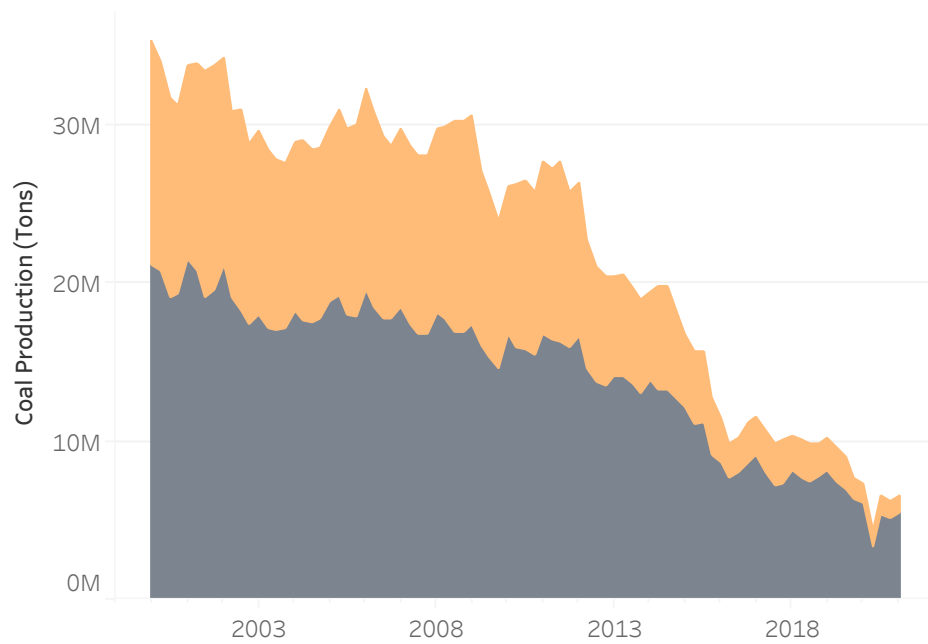


Kentucky Quarterly Coal Report (2021 - Q1)

Mine Type
 Surface
 Underground

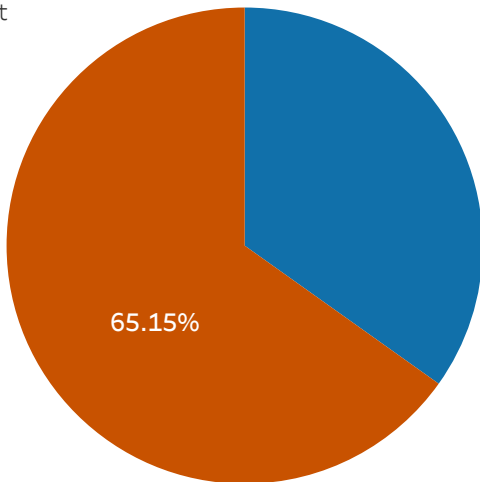


Coal Production by Mine Type (2000 - Q1 to 2021 - Q1)

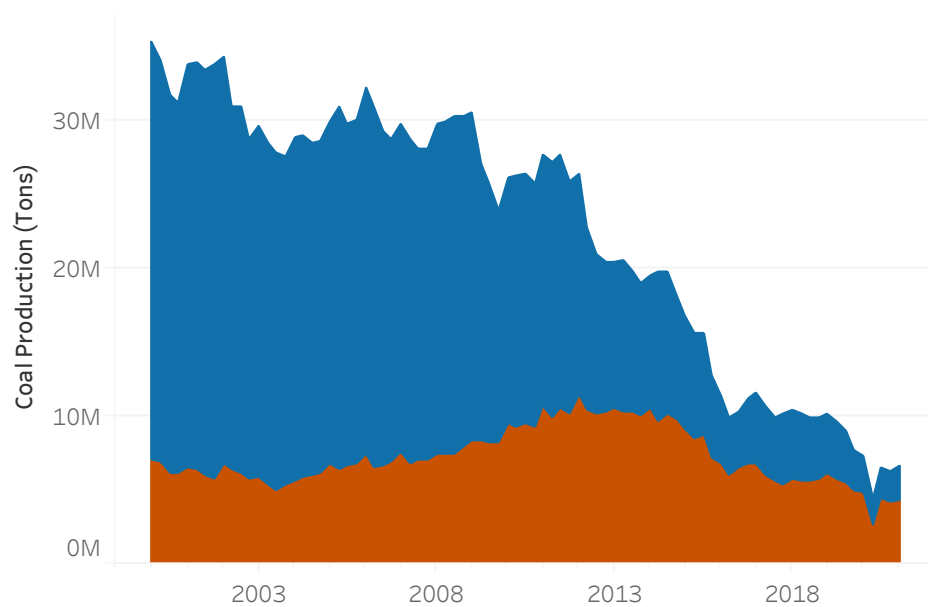


	Production	YoY change	Qtr change
Total	6,566,808	-9.56%	+6.19%
Underground	5,465,721	-9.84%	+8.07%
Surface	1,101,087	-8.18%	-2.23%

Region
 East
 West



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

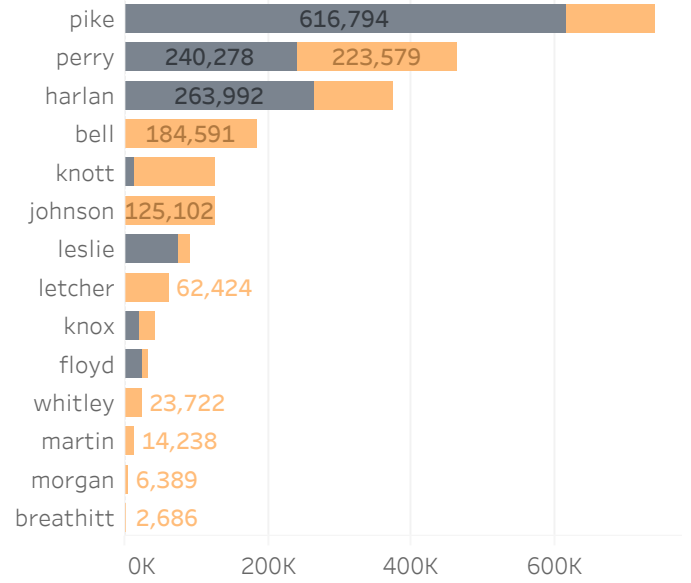
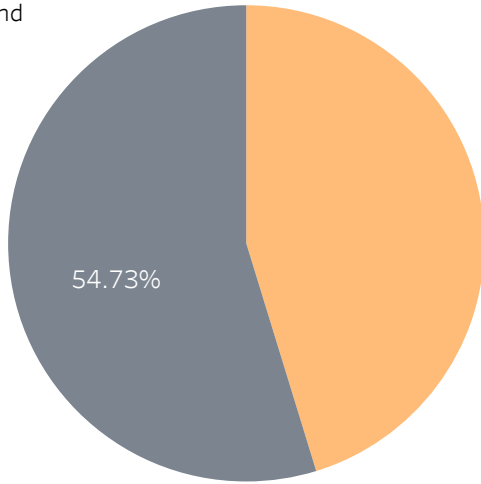


	Production	YoY change	Qtr change
Total	6,566,808	-9.56%	+6.19%
East	2,288,765	-6.02%	+9.78%
West	4,278,043	-11.35%	+4.37%

Eastern Kentucky (2021 - Q1)

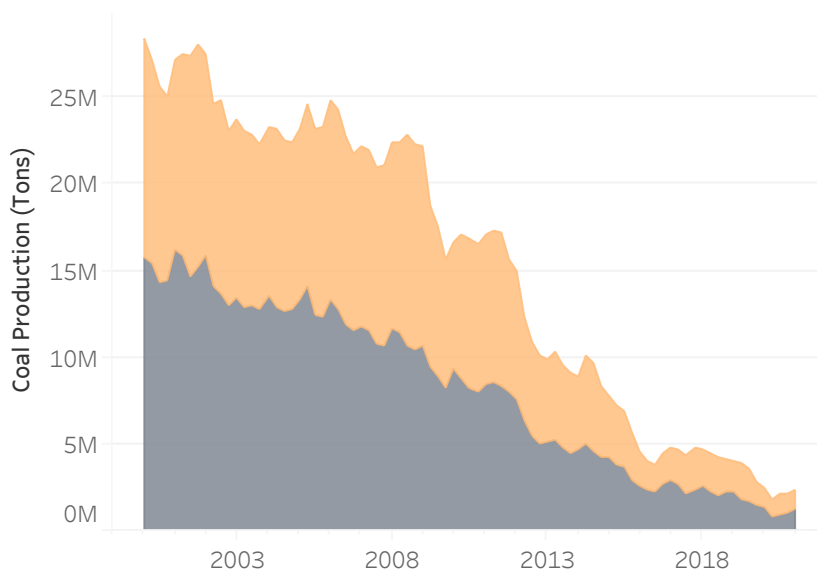
Mine Type

- Surface
- Underground



	Production	YoY change	Qtr change
Total	2,288,765	- 6.02%	+ 9.78%
Surface	1,036,054	- 7.83%	- 2.00%
Underground	1,252,711	- 4.46%	+ 21.91%

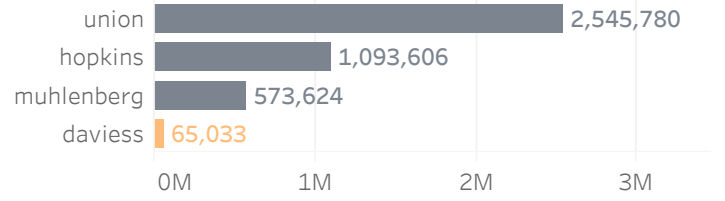
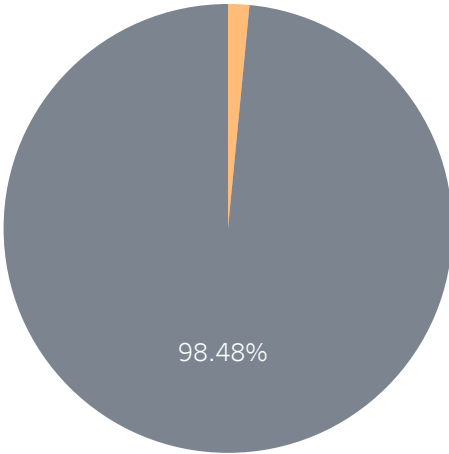
Eastern Kentucky Coal Production (2000 - Q1 to 2021 - Q1)



	County Coal Production	YoY change	Qtr change
EKY Total	2,288,765	- 6.02%	+ 9.78%
pike	739,454	+ 42.39%	+ 25.33%
perry	463,857	+ 1.33%	+ 4.35%
harlan	375,784	+ 8.71%	+ 4.62%
bell	184,591	+ 3.30%	+ 75.28%
knott	125,207	- 23.51%	- 29.12%
johnson	125,102	+ 39.39%	+ 11.55%
leslie	90,901	- 64.95%	- 37.77%
letcher	62,424	+ 126.70%	+ 229.90%
knox	41,653	+ 54.70%	+ 14.28%
floyd	32,757	- 86.47%	+ 78.58%
whitley	23,722	- 59.69%	- 50.72%
martin	14,238	- 77.76%	- 34.51%
morgan	6,389	+ 309.81%	- 12.99%
breathitt	2,686		

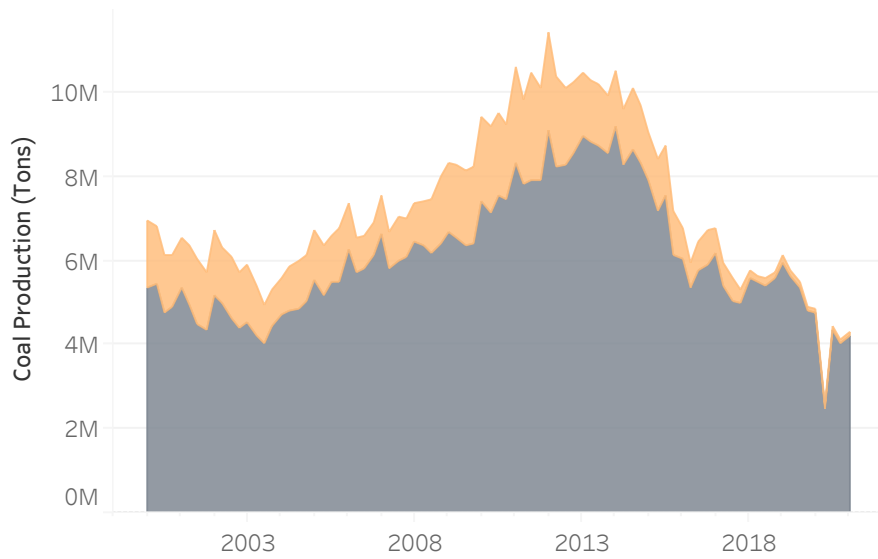
Western Kentucky (2021 - Q1)

Mine Type
■ Surface
■ Underground



	Production	YoY change	Qtr change
Total	4,278,043	- 11.35%	+ 4.37%
Underground	4,213,010	- 11.32%	+ 4.54%
Surface	65,033	- 13.35%	- 5.69%

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

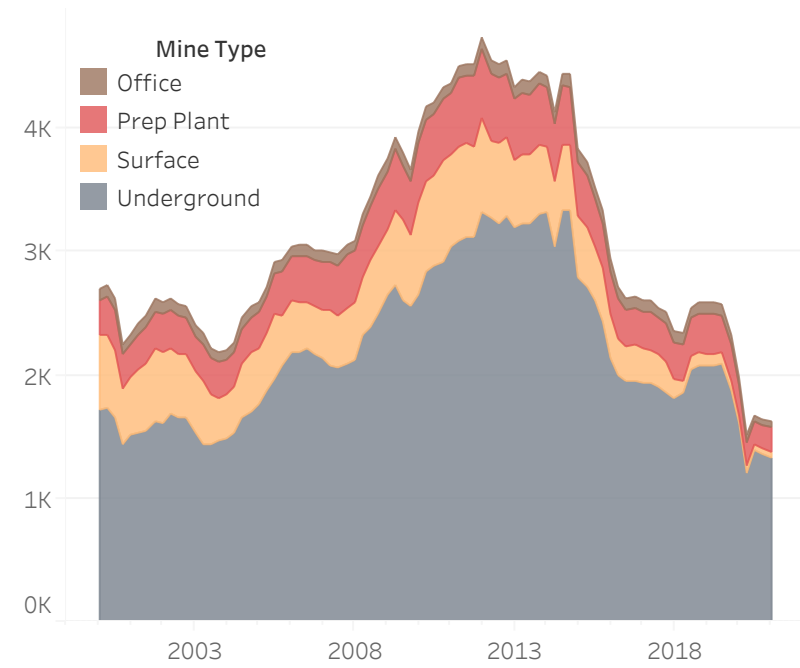
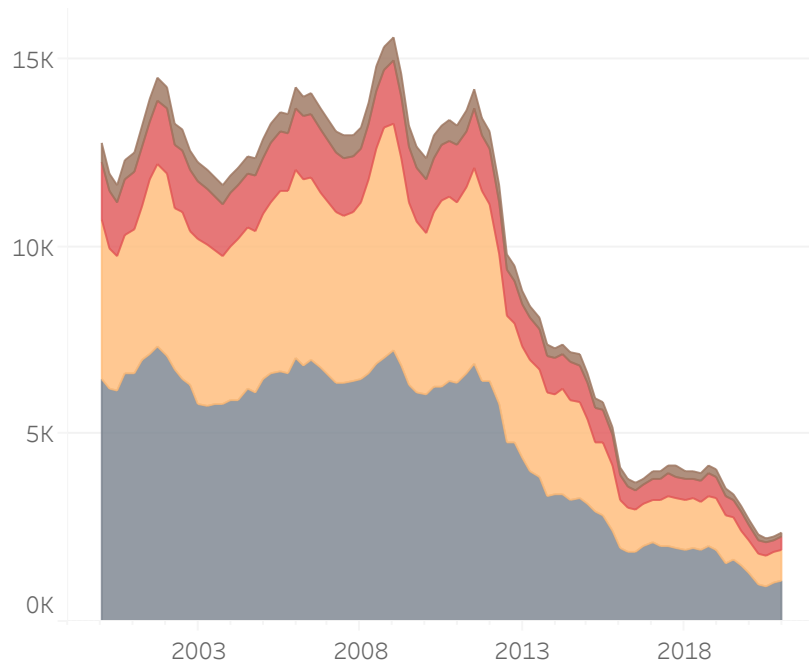


	County Coal Production	YoY change	Qtr change
WKY Total	4,278,043	- 11.35%	+ 4.37%
union	2,545,780	- 10.30%	+ 1.17%
hopkins	1,093,606	+ 10.43%	+ 15.38%
muhlenberg	573,624	+ 19.71%	+ 1.41%
daviess	65,033	- 13.35%	- 5.69%

Employment by Region (2021 - Q1)

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

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



	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
EKY Total	2,366	-12.11%	-326	+4.6%	+103
pike	784	+7.10%	+52	+3.7%	+28
perry	401	+11.08%	+40	+10.5%	+38
harlan	337	-33.00%	-166	-5.6%	-20
bell	199	+1.02%	+2	+2.1%	+4
leslie	140	-30.00%	-60	-19.5%	-34
knott	100	+31.58%	+24	+0.0%	-
letcher	76	+216.67%	+52	+111.1%	+40
whitley	75	-21.05%	-20	+7.1%	+5
floyd	63	-75.10%	-190	+5.0%	+3
johnson	60	+3.45%	+2	+5.3%	+3
knox	47	-17.54%	-10	-4.1%	-2
martin	39	-54.12%	-46	+1,200.0%	+36
clay	14	-26.32%	-5	+0.0%	-
boyd	12	-25.00%	-4	+9.1%	+1
morgan	6	+500.00%	+5	+50.0%	+2
breathitt	5	+66.67%	+2	+150.0%	+3
magoffin	4	+33.33%	+1	+0.0%	-
mccreary	4	+0.00%	-	+0.0%	-
lawrence	0	-100.00%	-5	-100.0%	-4

	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
WKY Total	1,617	-18.00%	-355	-1.52%	-25
union	792	-13.16%	-120	-3.41%	-28
hopkins	461	-3.76%	-18	+0.00%	-
muhlenberg	268	+25.23%	+54	+1.90%	+5
marshall	40	-2.44%	-1	+2.56%	+1
daviess	32	+3.23%	+1	+3.23%	+1
ohio	24	-85.45%	-141	+9.09%	+2

Total Employees by Mine Type

	Total Workers	YoY pct change	Qtr pct change
Total	3,983	-14.60%	+2.00%
Underground	2,370	-17.54%	+0.72%
Surface	903	-3.01%	+2.96%
Preparation Plant	543	-17.85%	+7.31%
Office	167	-15.66%	-1.18%

Coal Production Reference Table										
		West			East			Total		
		Production	YoY change	Qtr change	Production	YoY change	Qtr change	Production	YoY change	Qtr change
2021	Q1	4,278,043	- 11.35%	+ 4.37%	2,288,765	- 6.02%	+ 9.78%	6,566,808	- 9.56%	+ 6.19%
2020	Q4	4,098,927	- 16.08%	- 7.37%	2,084,826	- 25.07%	+ 0.82%	6,183,753	- 19.34%	- 4.76%
	Q3	4,424,915	- 19.27%	+ 72.71%	2,067,873	- 41.28%	+ 14.50%	6,492,788	- 27.88%	+ 48.64%
	Q2	2,562,103	- 55.52%	- 46.91%	1,806,044	- 52.74%	- 25.84%	4,368,147	- 54.41%	- 39.84%
	Q1	4,825,923	- 21.07%	- 1.19%	2,435,250	- 39.37%	- 12.47%	7,261,173	- 28.33%	- 5.29%
2019	Q4	4,884,272	- 14.67%	- 10.89%	2,782,323	- 32.31%	- 20.99%	7,666,595	- 22.04%	- 14.84%
	Q3	5,481,282	- 1.52%	- 4.84%	3,521,340	- 16.75%	- 7.86%	9,002,622	- 8.10%	- 6.05%
	Q2	5,760,256	+ 2.65%	- 5.79%	3,821,650	- 14.29%	- 4.85%	9,581,906	- 4.85%	- 5.42%
	Q1	6,114,327	+ 6.19%	+ 6.82%	4,016,488	- 12.77%	- 2.28%	10,130,815	- 2.23%	+ 3.01%
2018	Q4	5,723,927	+ 7.72%	+ 2.84%	4,110,394	- 13.41%	- 2.82%	9,834,321	- 2.25%	+ 0.39%
	Q3	5,566,036	- 0.31%	- 0.81%	4,229,621	- 1.48%	- 5.15%	9,795,657	- 0.82%	- 2.73%
	Q2	5,611,408	- 5.67%	- 2.54%	4,459,063	- 4.68%	- 3.15%	10,070,471	- 5.24%	- 2.81%
	Q1	5,757,753	- 14.82%	+ 8.36%	4,604,217	- 3.89%	- 3.01%	10,361,970	- 10.29%	+ 3.00%
2017	Q4	5,313,607	- 20.89%	- 4.83%	4,746,946	+ 6.40%	+ 10.58%	10,060,553	- 10.00%	+ 1.87%
	Q3	5,583,324	- 13.63%	- 6.15%	4,292,961	+ 13.93%	- 8.23%	9,876,285	- 3.48%	- 7.06%
	Q2	5,948,923	+ 0.18%	- 11.99%	4,678,053	+ 18.85%	- 2.35%	10,626,976	+ 7.62%	- 7.99%
	Q1	6,759,704	- 0.07%	+ 0.65%	4,790,646	+ 4.61%	+ 7.38%	11,550,350	+ 1.82%	+ 3.33%
2016	Q4	6,716,354	- 6.35%	+ 3.90%	4,461,567	- 20.34%	+ 18.41%	11,177,921	- 12.48%	+ 9.24%
	Q3	6,464,425	- 25.75%	+ 8.86%	3,767,919	- 45.32%	- 4.27%	10,232,344	- 34.40%	+ 3.62%
	Q2	5,938,328	- 29.27%	- 12.21%	3,936,114	- 45.49%	- 14.05%	9,874,442	- 36.77%	- 12.96%
	Q1	6,764,538	- 25.25%	- 5.68%	4,579,673	- 40.84%	- 18.23%	11,344,211	- 32.44%	- 11.18%
2015	Q4	7,171,565	- 26.04%	- 17.63%	5,600,799	- 32.75%	- 18.73%	12,772,364	- 29.14%	- 18.12%
	Q3	8,706,595	- 13.94%	+ 3.70%	6,891,406	- 28.38%	- 4.57%	15,598,001	- 20.98%	- 0.12%
	Q2	8,396,251	- 12.65%	- 7.22%	7,221,101	- 28.57%	- 6.73%	15,617,352	- 20.81%	- 6.99%
	Q1	9,049,591	- 13.98%	- 6.67%	7,741,756	- 12.83%	- 7.04%	16,791,347	- 13.45%	- 6.84%
2014	Q4	9,695,896	- 2.36%	- 4.16%	8,328,235	- 7.78%	- 13.45%	18,024,131	- 4.94%	- 8.69%
	Q3	10,116,906	- 0.90%	+ 5.25%	9,622,538	+ 1.57%	- 4.81%	19,739,444	+ 0.29%	+ 0.09%
	Q2	9,612,041	- 6.53%	- 8.63%	10,108,702	- 1.53%	+ 13.83%	19,720,743	- 4.03%	+ 1.65%
	Q1	10,519,840	+ 0.70%	+ 5.94%	8,880,871	- 10.32%	- 1.66%	19,400,711	- 4.66%	+ 2.32%
2013	Q4	9,930,116	- 2.76%	- 2.73%	9,030,912	- 10.74%	- 4.67%	18,961,028	- 6.73%	- 3.67%
	Q3	10,209,207	+ 1.30%	- 0.73%	9,473,785	- 12.59%	- 7.72%	19,682,992	- 5.90%	- 4.22%
	Q2	10,283,803	- 0.70%	- 1.55%	10,266,020	- 16.41%	+ 3.67%	20,549,823	- 9.22%	+ 0.99%
	Q1	10,446,242	- 8.36%	+ 2.29%	9,903,040	- 33.58%	- 2.12%	20,349,282	- 22.65%	+ 0.10%
2012	Q4	10,212,118	+ 1.02%	+ 1.32%	10,117,367	- 35.33%	- 6.65%	20,329,485	- 21.06%	- 2.81%
	Q3	10,078,665	- 3.70%	- 2.68%	10,838,341	- 36.68%	- 11.75%	20,917,006	- 24.17%	- 7.60%
	Q2	10,356,005	+ 5.26%	- 9.15%	12,280,901	- 28.86%	- 17.63%	22,636,906	- 16.48%	- 13.96%
	Q1	11,399,527	+ 7.44%	+ 12.77%	14,910,133	- 12.51%	- 4.69%	26,309,660	- 4.86%	+ 2.16%
2011	Q4	10,108,522	+ 9.29%	- 3.42%	15,644,435	- 5.15%	- 8.60%	25,752,957	+ 0.04%	- 6.63%
	Q3	10,466,346	+ 10.24%	+ 6.38%	17,115,932	+ 1.40%	- 0.85%	27,582,278	+ 4.58%	+ 1.77%
	Q2	9,838,635	+ 7.28%	- 7.28%	17,263,476	+ 1.36%	+ 1.30%	27,102,111	+ 3.43%	- 1.99%
	Q1	10,610,622	+ 12.63%	+ 14.72%	17,042,376	+ 2.41%	+ 3.32%	27,652,998	+ 6.10%	+ 7.42%
2010	Q4	9,249,023	+ 12.45%	- 2.59%	16,494,366	+ 5.39%	- 2.28%	25,743,389	+ 7.82%	- 2.39%
	Q3	9,494,482	+ 16.80%	+ 3.53%	16,879,837	- 3.81%	- 0.90%	26,374,319	+ 2.72%	+ 0.65%
	Q2	9,171,091	+ 10.95%	- 2.65%	17,032,276	- 9.09%	+ 2.35%	26,203,367	- 2.96%	+ 0.54%
	Q1	9,421,068	+ 13.06%	+ 14.55%	16,641,825	- 24.96%	+ 6.33%	26,062,893	- 14.58%	+ 9.16%
2009	Q4	8,224,772	+ 3.14%	+ 1.18%	15,651,244	- 29.61%	- 10.81%	23,876,016	- 20.96%	- 7.01%
	Q3	8,128,670	+ 9.45%	- 1.66%	17,548,361	- 22.91%	- 6.34%	25,677,031	- 14.95%	- 4.91%
	Q2	8,266,060	+ 11.58%	- 0.80%	18,735,718	- 16.29%	- 15.52%	27,001,778	- 9.36%	- 11.50%
	Q1	8,332,597	+ 13.24%	+ 4.49%	22,177,503	- 0.62%	- 0.26%	30,510,100	+ 2.82%	+ 1.00%
2008	Q4	7,974,371	+ 13.74%	+ 7.37%	22,234,419	+ 5.88%	- 2.33%	30,208,790	+ 7.85%	+ 0.06%
	Q3	7,426,744	+ 5.80%	+ 0.25%	22,763,832	+ 8.65%	+ 1.70%	30,190,576	+ 7.93%	+ 1.34%
	Q2	7,408,039	+ 10.87%	+ 0.68%	22,382,412	+ 2.04%	+ 0.30%	29,790,451	+ 4.10%	+ 0.39%

		West			East			Total		
		Emp	YoY change	Qtr change	Emp	YoY change	Qtr change	Emp	YoY change	Qtr change
2021	Q1	1,617	-18.00%	-1.52%	2,366	-12.11%	+4.55%	3,983	-14.60%	+2.00%
2020	Q4	1,642	-29.44%	-1.79%	2,263	-26.55%	+2.03%	3,905	-27.79%	+0.39%
	Q3	1,672	-34.92%	+11.17%	2,218	-34.73%	-3.31%	3,890	-34.81%	+2.42%
	Q2	1,504	-41.66%	-23.73%	2,294	-34.64%	-14.78%	3,798	-37.61%	-18.57%
	Q1	1,972	-23.48%	-15.26%	2,692	-33.17%	-12.63%	4,664	-29.39%	-13.76%
2019	Q4	2,327	-9.70%	-9.42%	3,081	-25.49%	-9.33%	5,408	-19.43%	-9.37%
	Q3	2,569	+1.26%	-0.35%	3,398	-13.84%	-3.19%	5,967	-7.93%	-1.99%
	Q2	2,578	+10.45%	+0.04%	3,510	-11.83%	-12.86%	6,088	-3.59%	-7.83%
	Q1	2,577	+9.85%	+0.00%	4,028	+0.98%	-2.59%	6,605	+4.26%	-1.59%
2018	Q4	2,577	+3.12%	+1.58%	4,135	+0.17%	+4.84%	6,712	+1.28%	+3.56%
	Q3	2,537	-0.20%	+8.70%	3,944	-5.06%	-0.93%	6,481	-3.21%	+2.63%
	Q2	2,334	-10.37%	-0.51%	3,981	-0.05%	-0.20%	6,315	-4.13%	-0.32%
	Q1	2,346	-9.56%	-6.12%	3,989	+0.00%	-3.37%	6,335	-3.77%	-4.41%
2017	Q4	2,499	-5.05%	-1.69%	4,128	+8.29%	-0.63%	6,627	+2.84%	-1.03%
	Q3	2,542	-2.61%	-2.38%	4,154	+13.13%	+4.29%	6,696	+6.59%	+1.65%
	Q2	2,604	-3.70%	+0.39%	3,983	+4.46%	-0.15%	6,587	+1.07%	+0.06%
	Q1	2,594	-11.62%	-1.44%	3,989	-2.06%	+4.64%	6,583	-6.06%	+2.16%
2016	Q4	2,632	-20.82%	+0.84%	3,812	-26.37%	+3.81%	6,444	-24.20%	+2.58%
	Q3	2,610	-25.87%	-3.48%	3,672	-37.30%	-3.70%	6,282	-33.01%	-3.61%
	Q2	2,704	-27.23%	-7.87%	3,813	-35.58%	-6.38%	6,517	-32.36%	-7.01%
	Q1	2,935	-23.29%	-11.70%	4,073	-38.33%	-21.33%	7,008	-32.82%	-17.56%
2015	Q4	3,324	-24.98%	-5.60%	5,177	-27.21%	-11.59%	8,501	-26.35%	-9.34%
	Q3	3,521	-20.68%	-5.25%	5,856	-18.13%	-1.06%	9,377	-19.11%	-2.68%
	Q2	3,716	-9.92%	-2.88%	5,919	-19.97%	-10.39%	9,635	-16.37%	-7.63%
	Q1	3,826	-13.54%	-13.65%	6,605	-9.48%	-7.13%	10,431	-11.01%	-9.63%
2014	Q4	4,431	-0.40%	-0.18%	7,112	-3.29%	-0.57%	11,543	-2.20%	-0.42%
	Q3	4,439	+1.63%	+7.61%	7,153	-11.68%	-3.29%	11,592	-7.02%	+0.62%
	Q2	4,125	-6.02%	-6.78%	7,396	-12.05%	+1.36%	11,521	-9.98%	-1.71%
	Q1	4,425	+2.29%	-0.54%	7,297	-17.01%	-0.78%	11,722	-10.65%	-0.69%
2013	Q4	4,449	-2.07%	+1.85%	7,354	-22.28%	-9.20%	11,803	-15.72%	-5.33%
	Q3	4,368	-3.23%	-0.48%	8,099	-17.15%	-3.69%	12,467	-12.76%	-2.59%
	Q2	4,389	-3.47%	+1.46%	8,409	-27.66%	-4.37%	12,798	-20.86%	-2.45%
	Q1	4,326	-8.52%	-4.78%	8,793	-32.78%	-7.07%	13,119	-26.33%	-6.33%
2012	Q4	4,543	+0.71%	+0.64%	9,462	-29.61%	-3.21%	14,005	-21.99%	-1.99%
	Q3	4,514	+0.00%	-0.73%	9,776	-31.18%	-15.90%	14,290	-23.66%	-11.63%
	Q2	4,547	+1.02%	-3.85%	11,624	-14.64%	-11.13%	16,171	-10.75%	-9.20%
	Q1	4,729	+8.36%	+4.83%	13,080	-1.20%	-2.69%	17,809	+1.17%	-0.80%
2011	Q4	4,511	+4.37%	-0.07%	13,442	+0.58%	-5.37%	17,953	+1.50%	-4.09%
	Q3	4,514	+7.25%	+0.29%	14,205	+7.43%	+4.32%	18,719	+7.39%	+3.32%
	Q2	4,501	+8.04%	+3.14%	13,617	+5.21%	+2.86%	18,118	+5.90%	+2.93%
	Q1	4,364	+9.81%	+0.97%	13,239	+7.43%	-0.94%	17,603	+8.01%	-0.47%
2010	Q4	4,322	+18.38%	+2.68%	13,365	+5.74%	+1.08%	17,687	+8.58%	+1.47%
	Q3	4,209	+10.85%	+1.03%	13,222	+0.16%	+2.16%	17,431	+2.55%	+1.88%
	Q2	4,166	+6.06%	+4.83%	12,943	-11.42%	+5.03%	17,109	-7.71%	+4.98%
	Q1	3,974	+5.86%	+8.85%	12,323	-20.82%	-2.50%	16,297	-15.63%	+0.04%
2009	Q4	3,651	+1.14%	-3.85%	12,639	-17.60%	-4.26%	16,290	-14.03%	-4.17%
	Q3	3,797	+10.25%	-3.34%	13,201	-10.73%	-9.65%	16,998	-6.77%	-8.31%
	Q2	3,928	+19.17%	+4.64%	14,611	+5.46%	-6.12%	18,539	+8.10%	-4.03%
	Q1	3,754	+22.00%	+3.99%	15,563	+18.11%	+1.46%	19,317	+18.84%	+1.94%
2008	Q4	3,610	+18.32%	+4.82%	15,339	+18.26%	+3.73%	18,949	+18.27%	+3.93%
	Q3	3,444	+15.92%	+4.49%	14,788	+14.31%	+6.74%	18,232	+14.61%	+6.31%
	Q2	3,296	+10.01%	+7.12%	13,854	+6.23%	+5.14%	17,150	+6.94%	+5.51%