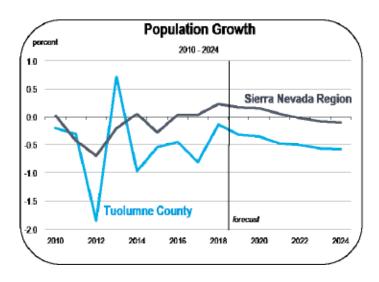
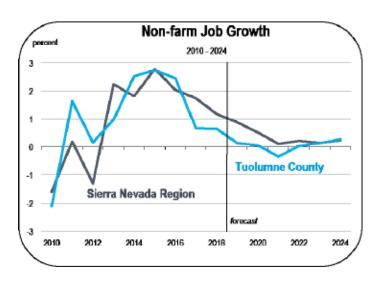
Forecast Summary

- Fewer than 50 jobs are expected to be created in Tuolumne County in 2019. In the following five years, job creation is expected to be minimal.
- Between 2018 and 2024, virtually all net job creation will occur in government and in leisure and hospitality.
- By 2024, employment contractions are likely in manufacturing, transportation and warehousing, private education and healthcare, and financial activities.
- The unemployment rate averaged 4.6 percent in 2018 and is near its lowest sustainable level. The unemployment rate may begin to rise in 2019 or 2020.
- The Tuolumne County population is expected to decline during the 2018–2024 forecast period.
- Housing production remains very low in Tuolumne County, and very few new homes will be built during the forecast period.

Job Growth

- Government is the largest employer in Tuolumne County, accounting for 31 percent of all wage-and-salary jobs. This includes jobs at public schools.
- The other major employment sectors are retail trade, leisure and hospitality, and healthcare.

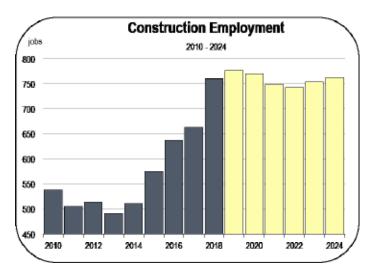


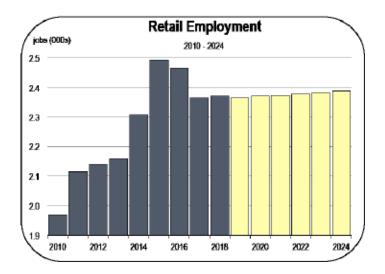


- Between 2012 and 2018, approximately 1,700 jobs were created in Tuolumne County. The largest gains were in leisure and hospitality (500 jobs), government (300 jobs), construction (250 jobs), and retail trade (250 jobs).
- Between 2018 and 2024, very few new jobs are expected to be created in the county.

Construction Employment

- Construction employment boomed between 2013 and 2018.
- More than 300 new homes have been constructed in Tuolumne County since 2013, and more than \$150 million was spent building and renovating non-residential structures.





 Construction activity is expected to plateau during the 2018–2024 forecast period. We are near the peak of the building cycle and construction firms may begin to reduce their employee headcounts.

Retail Trade Employment

- Employment in the Tuolumne County retail sector grew fairly consistently between 2010 and 2015, but more than 100 jobs were lost between 2015 and 2018.
- The retail industry is being divided into two groups: stores that face heavy online competition, and stores that do not.
- In 2019 and 2020, jobs are expected to be created in sectors not facing heavy online competition:
 - · Drug stores and healthcare stores
 - · Grocery stores
 - Gas Stations

2018

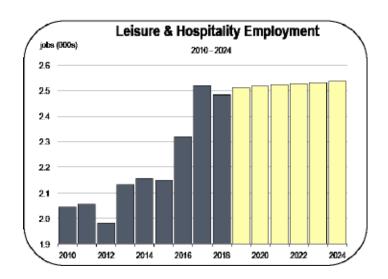
- Jobs may be lost in sectors that are facing heavy online competition:
 - · Clothing stores
 - Sporting goods stores
 - · Consumer electronics stores
 - Department stores

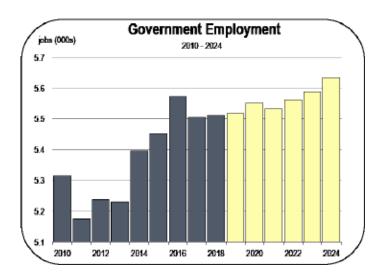
Private Education and Healthcare Employment

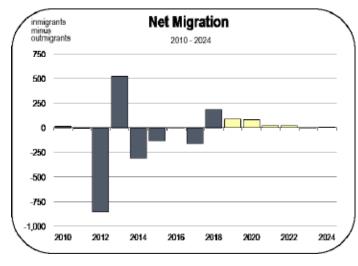
- The Healthcare sector has generated almost 200 jobs since 2010.
- Our baseline forecast assumes that there will be a contraction in healthcare jobs in the next few years. Healthcare is a populationserving industry, and the Tuolumne County population is expected to decline.
- The private education sector is very small in Tuolumne County, and it neither gains nor loses a substantial number of jobs in a typical year (public schools are included in the government sector).
- The future of the U.S. health insurance landscape is unknown, and legislative changes could influence job growth in this sector.

Leisure and Hospitality Employment

- Tuolumne County is near Yosemite and has a vibrant tourism industry.
- The largest tourism draw is during the summer months for activities like hiking, fishing, and boating.
- Leisure and hospitality firms generated 500 jobs between 2012 and 2018.







- Additional job growth is likely during the 2018–2024 forecast period, but the leisure sector is highly exposed to the business cycle, and any economic downturn could impact local restaurants, hotels, and other leisure and hospitality businesses.
- The leisure industry is also sensitive to changes in the minimum wage. As California's minimum wage rises to \$15 per hour by 2022, job growth could be impacted.

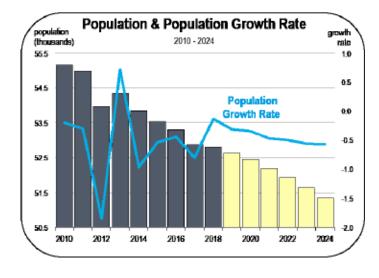
Government Employment

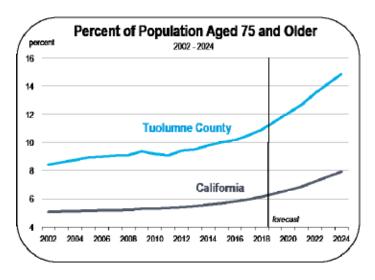
- Government agencies in Tuolumne County gained a substantial number of jobs between 2011 and 2018.
- The federal government employs approximately 400 workers in Tuolumne, most of whom work for the National Park Service.

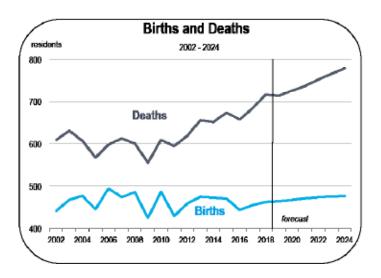
- State and local government agencies employ approximately 5,100 workers, including staff and teachers at public schools.
- Future employment gains will be determined by population growth and by the condition of state and local government budgets.

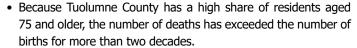
Population Growth

- The Tuolumne County population is now declining and is expected to decline further by 2024.
- Tuolumne County's population is much older than the statewide average. As of 2018, almost 11 percent of the county's population was aged 75 or older, compared to just 6 percent of the California population.





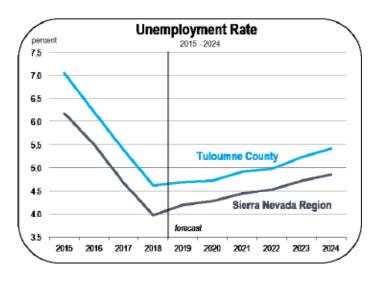


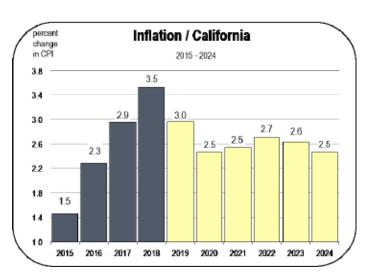


- Because deaths have exceeded births, new migrants have been the only source of population growth. And in several recent years, the number of people moving out of the county has exceeded the number of people moving in, exacerbating overall population decline.
- Between 2018 and 2024, a small number of net migrants are expected to move into the county, but there are expected to be 1,600 more deaths than births, so the Tuolumne County population will continue to shrink.

Unemployment and Inflation Rates

• The unemployment rate in Tuolumne County was 4.6 percent in 2018, which was above the average for the Sierra Region.

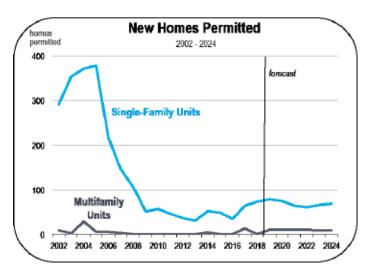


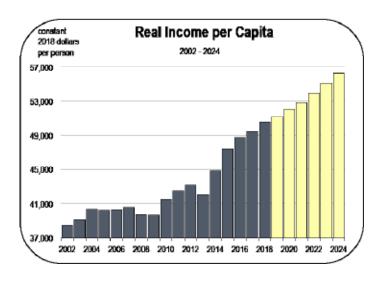


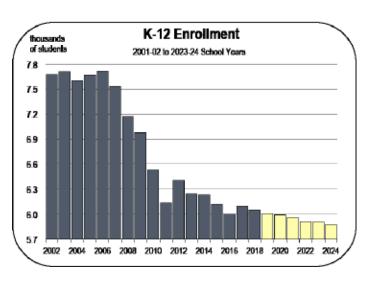
- The unemployment rate has reached its lowest sustainable level and may begin to rise in 2019 or 2020.
- Inflation accelerated in 2018 as home prices and energy costs increased across California.
- In 2019 and 2020, inflation is expected to be within a range of 2.0 percent and 3.5 percent.

New Housing Production

- From 2013 to 2018, a total of 319 new homes were built in Tuolumne County. Most were single-family homes.
- Between 2019 and 2024, approximately 450 to 500 homes are expected to be built, the majority of which will be single-family.





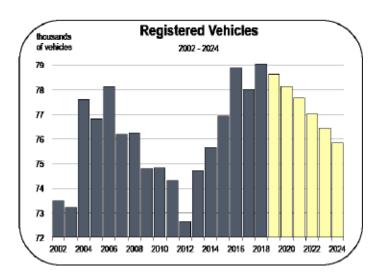


Income per Capita

- Income per capita was \$50,600 in 2018, which was below the Sierra Nevada Region average of \$55,400.
- Over the last six years, real income per capita increased at a rate of 2.7 percent per year.
- Over the next six years, real income per capita is expected to increase by an average of 1.8 percent per year.

Registered Vehicles

• There were approximately 79,000 registered vehicles in Tuolumne County in 2018.



- By 2024, it is expected that the county will have 75,800 registered vehicles.
- The number of vehicles will decline because the population will decline.

Public School Enrollment

- In Tuolumne County, approximately 6,100 students were enrolled in K-12 public schools in 2018.
- By 2024, the county is expected to have 5,900 public K-12 students. Enrollment will decline as the population aged 5 to 17 declines.

E	conoi	mic Ind	dicato	rs		4	2015-2018 History, 2019-2050 Forecast							
	Population (people)	House- holds (thousands)	Average Household Income (dollars)	New Homes Permitted (homes)	Registered Vehicles (thousands)	Personal Income (billions)	Taxable Retail Sales (millions)	Local Sales Tax (millions)	Real Industrial Production (millions)	Real per Capita Income (dollars)	School Enrollment (thousands)	Births (people)	Deaths (people)	
2015 2016 2017 2018 2019 2020	53,531 53,291 52,862 52,790 52,623 52,441	22.1 22.3 22.2 22.2 22.4 22.5	\$105,511 \$109,027 \$113,314 \$120,263 \$123,509 \$128,178	49 34 77 73 89 85	76.9 78.9 78.0 79.0 78.6 78.1	\$2.3 \$2.4 \$2.5 \$2.7 \$2.8 \$2.9	\$495.5 \$513.7 \$536.4 \$554.2 \$569.6 \$587.2	\$6 \$6 \$7 \$7 \$7 \$7	\$280.0 \$285.2 \$286.8 \$291.6 \$290.8 \$292.8	\$47,441 \$48,730 \$49,485 \$50,550 \$51,153 \$52,044	6.1 6.0 6.1 6.1 6.0 6.0	470 444 456 463 465 468	674 657 685 716 714 726	
2021 2022 2023 2024 2025 2026	52,193 51,930 51,637 51,339 51,013 50,685	22.5 22.6 22.7 22.7 22.8 22.8	\$132,720 \$138,280 \$143,903 \$149,423 \$154,448 \$156,230	74 71 75 77 78 74 73	77.6 77.0 76.4 75.8 75.3 74.9	\$3.0 \$3.1 \$3.3 \$3.4 \$3.5 \$3.6	\$604.9 \$625.0 \$645.4 \$665.8 \$683.3 \$700.2 \$717.0	\$8 \$8 \$8 \$9 \$9 \$9	\$294.9 \$295.4 \$296.8 \$298.6 \$299.9 \$302.2	\$52,828 \$53,962 \$55,120 \$56,286 \$57,321 \$58,434	6.0 5.9 5.9 5.9 5.9	471 474 476 476 477 478 479	737 752 765 778 790 802 813	
2027 2028 2029 2030 2031 2032 2033	50,344 49,986 49,656 49,355 49,025 48,664 48,295	22.9 23.0 23.0 23.1 23.1 23.2 23.3	\$165,230 \$170,723 \$175,078 \$179,602 \$184,089 \$188,401 \$192,723	73 73 79 83 74 71	74.4 74.1 73.6 73.2 72.8 72.4 72.1	\$3.8 \$3.9 \$4.0 \$4.1 \$4.3 \$4.4 \$4.5	\$717.0 \$734.1 \$752.6 \$770.9 \$788.8 \$808.7 \$826.0	\$9 \$9 \$10 \$10 \$10 \$10	\$304.4 \$306.4 \$305.5 \$305.0 \$304.8 \$304.2 \$304.0	\$59,681 \$60,861 \$61,515 \$62,222 \$62,999 \$63,616 \$64,449	6.0 6.0 6.1 6.1 6.1 6.2	480 483 485 488 489 490	825 836 847 857 866 874	
2034 2035 2036 2037 2038 2039	47,916 47,527 47,130 46,766 46,404 46,043	23.3 23.4 23.4 23.5 23.6 23.6	\$197,318 \$202,107 \$207,214 \$212,612 \$218,049 \$223,710	70 70 69 70 71 70	71.8 71.5 71.4 71.4 71.4 71.4	\$4.6 \$4.7 \$4.9 \$5.0 \$5.1 \$5.3	\$845.3 \$865.8 \$890.2 \$916.1 \$941.1 \$968.5	\$11 \$11 \$11 \$11 \$12 \$12	\$303.5 \$302.8 \$301.6 \$301.0 \$300.3 \$299.8	\$65,238 \$66,015 \$66,628 \$67,188 \$67,850 \$68,419	6.2 6.2 6.2 6.2 6.1 6.1	491 491 490 489 488 486	882 890 896 900 905 909	
2040 2041 2042 2043 2044 2045	45,691 45,334 44,975 44,612 44,243 43,873	23.7 23.7 23.8 23.8 23.9 23.9	\$229,401 \$235,098 \$240,845 \$246,519 \$251,906 \$257,799	69 67 66 64 49 48	71.4 71.6 72.0 72.3 72.5 72.8	\$5.4 \$5.6 \$5.7 \$5.9 \$6.0 \$6.2	\$995.9 \$1,022.1 \$1,047.9 \$1,073.4 \$1,097.3 \$1,123.9	\$12 \$13 \$13 \$13 \$14 \$14	\$298.9 \$299.3 \$300.1 \$300.8 \$301.7 \$301.2	\$69,008 \$69,705 \$70,455 \$71,229 \$72,039 \$72,797	6.1 6.0 6.0 6.0 6.0	486 485 484 483 484 484	913 915 915 915 917 919	
2046 2047 2048 2049 2050	43,500 43,125 42,751 42,376 42,002	24.0 24.0 24.0 24.1 24.1 24.1	\$263,605 \$269,468 \$275,553 \$281,857 \$288,390	43 37 32 27 26	73.0 73.3 73.6 74.1 74.4	\$6.3 \$6.5 \$6.6 \$6.8 \$6.9	\$1,150.0 \$1,176.8 \$1,204.2 \$1,232.2 \$1,260.8	\$14 \$15 \$15 \$15 \$16	\$301.3 \$301.6 \$302.0 \$302.8 \$302.9	\$73,580 \$74,343 \$75,131 \$75,942 \$76,777	6.0 5.9 5.9 5.9 5.9	485 486 487 487 488	922 922 923 922 922	

Em	iploym	ent S	sectors			2015-2018 History, 2019-2050 Forecast							
	Total Wage & Salary	Farm	Construction	Manufac- turing	Transportation & Utilities	Wholesale & Retail Trade employment	Financial Activities (jobs)	Professional Services	Information	Health & Education	Leisure	Government	
2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2034	17,360 17,790 17,920 18,020 18,050 18,060 18,000 18,010 18,030 18,120 18,120 18,160 18,120 18,290 18,290 18,290 18,300 18,320	63 70 75 64 69 70 70 70 70 70 70 70 70 71 71 71	574 638 663 760 776 770 748 743 754 762 767 760 759 761 763 776 789 769 761 761 760			Retail Trade	Activities		208 208 193 162 161 161 161 161 161 161 161 161 161		2,147 2,319 2,518 2,483 2,511 2,517 2,522 2,527 2,532 2,536 2,543 2,551 2,558 2,566 2,572 2,577 2,579 2,581 2,583 2,584	5,453 5,571 5,504 5,510 5,517 5,550 5,532 5,561 5,588 5,633 5,665 5,711 5,744 5,773 5,803 5,803 5,805 5,922 5,951 5,980 6,010 6,037	
2035 2036 2037 2038 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050	18,320 18,350 18,380 18,400 18,430 18,450 18,510 18,540 18,550 18,560 18,560 18,660 18,630	71 71 71 71 72 72 72 72 72 72 72 72 72 73 73	760 760 761 762 761 759 754 754 749 713 709 697 684 671 659 659	726 721 716 712 707 703 699 695 690 686 682 677 673 669 665 661	173 173 174 175 176 176 177 180 181 182 182 183 185 186 188	2,556 2,556 2,556 2,556 2,556 2,557 2,557 2,557 2,557 2,558 2,558 2,558 2,558 2,558 2,558 2,559	376 368 360 353 346 339 333 327 321 314 308 301 295 289 284 278	1,057 1,053 1,050 1,046 1,042 1,038 1,034 1,030 1,026 1,022 1,018 1,014 1,009 1,005 1,000 996	155 154 154 153 152 151 150 149 148 147 147 146 145 144	3,090 3,103 3,116 3,127 3,138 3,144 3,152 3,160 3,164 3,168 3,169 3,167 3,169 3,176 3,181	2,584 2,586 2,588 2,590 2,592 2,593 2,599 2,602 2,604 2,606 2,608 2,610 2,615 2,615 2,617	6,010 6,037 6,066 6,092 6,120 6,154 6,188 6,222 6,257 6,291 6,325 6,359 6,393 6,428 6,462	

Socioeconomic Indicators

