

x INPUT

Commuters Who Live in Monroe County but Work in Key West

There is no totally reliable data on the number of people who live in Monroe County and commute to Key West to work. The Florida Agency for Workforce Innovation, maps county to county worker flows, but not flows within counties.

The best hope is that reasonable guesses among various methods will point to a range that can be used for planning purposes.

1. License Study

Answer: 3836 commuters

From the partial license data:

4294 total reported workers in KW of whom 2829 live in KW and 1124 commute (522 commute less than 20 miles and 602 more than 20 miles).

As reported by this unknown sample of employers, 26% of the workforce commute from outside of Key West. If that ratio holds ($.26 \times 14,756$ (average employed workforce in KW in 2008)) then 3836 of that workforce commute. But an additional problem with this number is that the total KW workforce figure of 14,756 is supposed to be a resident workforce count. If this is so, we may need to add to this number of workers: $18,592 \times .26 = 4833$ commuters.

2. Employment Numbers Based on NAICS Within Zip Codes (33040,(outside of KW) plus 33042 and 33043 (through Big Pine—33 miles)

Answer: 3997 commuters

Explanation: The Census provides 2000 population data and the NAICS provides 2006 employee data by Zip Code. For the present estimate, population was decreased by 9% (rate of decrease in Monroe County) and the age 0-15 population was deleted to match how Labor Statistics data are presented (employment = 65% of 16 and over population).

The population numbers for 33040 (outside of KW), 33042, and 33043 (through Big Pine—33 miles): 18,139 (2000 census) minus 9% (1632) = 16,507. Subtract 1000 active military and a 0 through 15 population of 2220 = 13,287. Multiply by .65 (% of employed 16 and over) = 8636. 1,026 are employed by businesses within 33042 and 1113 are employed within 33043. There are no figures for numbers employed in 33040 (includes 33041 and 33045) outside of Key West but given the number of businesses with “headquarters” in Stock Island as well as the fishing industry, we estimate approximately double the rate of the outlying Zip Code areas, or 2,500 employed in that portion of the Zip Code area. In sum, 4,639 employed outside of Key West, leaving 3,997 to commute, presumably overwhelmingly to Key West.

3. Counting Cars on Cow Key Bridge between 7 to 9AM

Answer: 3996

If we use Ty's number of 1800 cars per hour as capacity of the bridge $\times 11\%$ (the number of KW workers who carpool) = 1998×2 hours = 3996 plus bus ridership (???)