City Commission Agenda August 29, 2006 Item #2

US Census Population Estimates
Challenge

Item #2: US Census Estimate

Housing units

X

Occupancy Rate

X

Average Household Size

X

Rake Factor (Share of County Population)

+

Group quarters Population

Population Estimate (81,816 People as of July 1st, 2005)

Building Permit Method

Housing Units

7

Demolished Units

X

Occupancy Rate

X

Average Household Size

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Population Estimate (89,643 People on January 1st, 2006)

Table 1: Effect of different Vacancy Rates & Household Size on 2006 population estimate

Vacancy Rate	Average Household Size	Population Estimate
4.2%	2.30	89,643
10.0%	2.30	89,080
4.2%	2.20	89,228
15.0%	2.20	88,212
15.0%	2.10	88,169

Utility Record Method

Residential Accounts difference 2005 - 2000

X

Average Household Size

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Multi-Family Accounts difference 2005 - 2000

X

Average Multi-Family Size

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Census 2000 Population figure

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Population Estimate (88,922 People on January 1st, 2006)

Table 2: Number of Water Customer Accounts					
Year	Residential	Multi-Family			
2000	24,524	706			
2001	25,189	725			
2002	25,904	737			
2003	26,457	746			
2004	27,123	733			
2005	28,136	740			
Estimated	8,824				

Table 3: Estimated population based on water utility records			
Increase based on water utility records	8,824		
Census figures from 2000	80,098		
Estimated January 1, 2006 population	88,922		

Item #2: Additional Information

• If the Census Bureau estimate for 2005 is correct, then according to the amount of residential water accounts added since 2000, the average household size for the population added would be .47 people.

Recommendation:

Staff believes that they are following the best practice in estimating population and recommends the City challenge the Douglas County and City of Lawrence U.S. Census Bureau estimates.