

DR 82-5 - Proposal of Year 2000  
Population Forecast

# ACTION

DATE

COMMITTEE

M.A.P.C.

B.C.C./B. CO. C.

*received file*  
*no action needed*

*2-11-87*

WICHITA-SEDGWICK COUNTY

DATE 2/4/82

**METROPOLITAN AREA PLANNING DEPARTMENT**

RE: AGENDA ITEM NO.

16

**TO** Metropolitan Area Planning Commission  
**FROM** Willard L. Stockwell, Chief Planner, Advance Plans Division  
**SUBJECT** POPULATION FORECAST FOR SEDGWICK COUNTY, 1980 to 2000

During 1981, the Planning Department prepared a revision of the Sedgwick County population forecast. This forecast will be reviewed at the February 11 MAPC meeting.

It is forecast that Sedgwick County's population will grow from 366,531 in 1980 to 435,000 in the year 2000. This forecast is the most likely possible future population total. Sedgwick County could have a population as high as 509,000 or as low as 386,000 by the end of the century. If Sedgwick County reaches a population of 435,000, it will have to grow about one percent each year.

Selecting a population forecast is an important planning decision. The forecast is a basic element of the plans developed for the City and County. The Planning Department staff was assisted by a technical advisory committee composed of local technical experts. Informal presentations of the forecast was conducted before City department heads, County department heads, the City and County Commissions, and managers of major local industries. The preliminary forecast was presented to the MAPC on June 18, 1981. The Advance Plans Committee reviewed the forecast on September 17, 1981. No major criticisms of the forecast surfaced during these reviews.

**RECOMMENDED ACTION:**

Approve the Sedgwick County population forecast of 435,000 in the year 2000 and direct that this forecast shall be the basis of revisions in Comprehensive Plan Elements.

*Willard L. Stockwell*

Willard L. Stockwell  
Chief Planner  
Advance Plans Division

WLS:CEL:rh  
Attachment  
cc: Robert A. Lakin, Director of Planning

2-11-82

*Approve -  
James W. Hamer - 8-0*

EXECUTIVE SUMMARY

POPULATION FORECAST FOR SEDGWICK COUNTY TO THE YEAR 2000  
Amended July 30, 1981

Wichita-Sedgwick County  
Metropolitan Area Planning Department

Prepared by

Carl Eric Leivo  
Principal Planner  
Advance Plans Division

Modern government and business rely heavily on forecasts of the future. The forecasts are used to assess the impacts of growth, determine the need for new or expanded public services and facilities, and estimate the size and location of markets. Accurate forecasts help governments provide adequate public services at the lowest cost and assist managers to improve company profitability. Decisions regarding police and fire protection, schools, parks, water and sewer systems, streets, housing developments, shopping centers, industrial plants, and many other items are based on forecasts. Accurate forecasts of the future can help to reduce government spending and improve the economy.

Population forecasts are a basic type of forecast. In 1975, the Metropolitan Area Planning Department prepared population forecasts. The year 2000 population forecast for Sedgwick County was 450,900. Since this forecast was prepared, circumstances have changed in Sedgwick County. For instance, the economic future of Sedgwick County appears much brighter today than in the early seventies. This may indicate a larger future population. Yet, more women have entered the workforce and filled job openings that would have attracted new residents to Sedgwick County in the past. In the early 1970s it was thought that the birth rate would rebound from historic lows but the rate has remained low. Additionally, Sedgwick County workers have increasingly decided to live outside the County. Rose Hill, Andover, and Augusta in Butler County grew substantially between 1970 and 1980. Therefore, to assure that the population forecast for Sedgwick County remains reliable, the 1975 forecast was revised taking into account such changing conditions.

Seven separate population projections were prepared of Sedgwick County population from 1980 to 2000. Each projection was based on different assumptions about the future. The Straight-line projection assumed that what occurred in the past will occur in the future. Two Ratio-Stepdown projections were prepared. It was assumed that Sedgwick County's population would make up the same percentage of State population in the future as in the recent past. Two forecasts of State population were then "stepped down" according to this percentage. The Cohort-Survival method projected natural increase (births minus deaths). Zero net migration was assumed and two different future fertility rates were used. The Employment-Based projection was based on estimates of future County employment. Workers who live outside Sedgwick County were subtracted from the estimate. Then two probable future dependency ratios (nonworkers to workers) were used to translate employment estimates into two future population projections. The results of the separate projections were averaged in order to indicate the most likely future

trajectory of population growth. The "Recommended Average" indicates that Sedgwick County's population will total about 435,000 in 2000 (see attached figure).

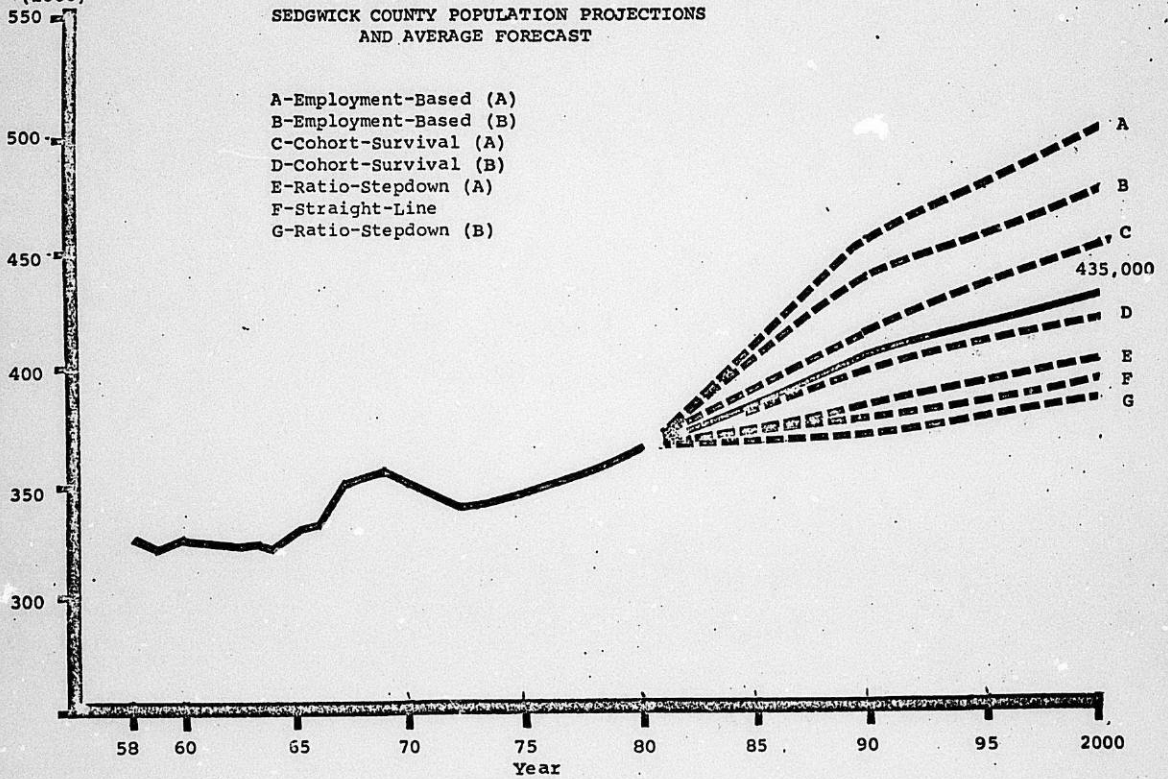
There exist certain implications if Sedgwick County's population reaches 435,000 by 2000. Sedgwick County's population grew from 325,399 in 1960 to 366,531 in 1980, or 12.64 percent in 20 years. It is forecast that Sedgwick County will grow 18.68 percent in the next 20 years. In the last 20 years approximately 15.2 percent of Kansans lived in Sedgwick County. By 2000, according to the MAPD forecast and Bureau of the Census forecasts for Kansas, approximately 16.4 percent of the State's citizens will live in Sedgwick County. Depending upon different assumptions about future fertility rates, Sedgwick County's natural population growth (births minus deaths) would total either 421,000 or 455,000. Consequently, future migration into or out of the County probably will cancel each other out over the years between 1980 and 2000. Based on national projections of employment growth by type of industry, assumptions about Sedgwick County's share of that employment, projections of commuting from outside the County, and two estimates of the number of County residents who will work; the employment-based projections of future County population were 478,500 and 508,500. This indicates that the community could grow much more than forecast. People from other parts of the nation would be attracted to the community, many more housing units would need to be built, and local governments would need to expand services much faster than in the past. The associated costs probably will inhibit such full scale growth. The year 2000 population forecast for Sedgwick County of 435,000 implies that the County will grow faster than in the past, more Kansans will live in the County, and there will be enough jobs for local residents and their children.

The population forecast does not represent a desirable future population. Instead, the forecast represents local economic and social trends extended into the future. Local public officials and business people can then assess their policies against the kind of future that appears likely to occur. Governments and businesses may wish to alter their policies in order to change the future. When units of government, government departments, and businesses adopt the same forecast, that helps to coordinate their efforts toward improving the future of Wichita and Sedgwick County.

Pop.  
(1000)

### SEDGWICK COUNTY POPULATION PROJECTIONS AND AVERAGE FORECAST

- A-Employment-Based (A)
- B-Employment-Based (B)
- C-Cohort-Survival (A)
- D-Cohort-Survival (B)
- E-Ratio-Stepdown (A)
- F-Straight-Line
- G-Ratio-Stepdown (B)



WICHITA-SEDGWICK COUNTY

DATE 2/4/82

**METROPOLITAN AREA PLANNING DEPARTMENT**

**TO** Metropolitan Area Planning Commission  
**FROM** Willard L. Stockwell, Chief Planner, Advance Plans Division  
**SUBJECT** POPULATION FORECAST FOR SEDGWICK COUNTY, 1980 to 2000

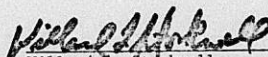
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**RECOMMENDED ACTION:**

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Willard L. Stockwell  
Chief Planner  
Advance Plans Division

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Attachment  
cc: Robert A. Lakin, Director of Planning

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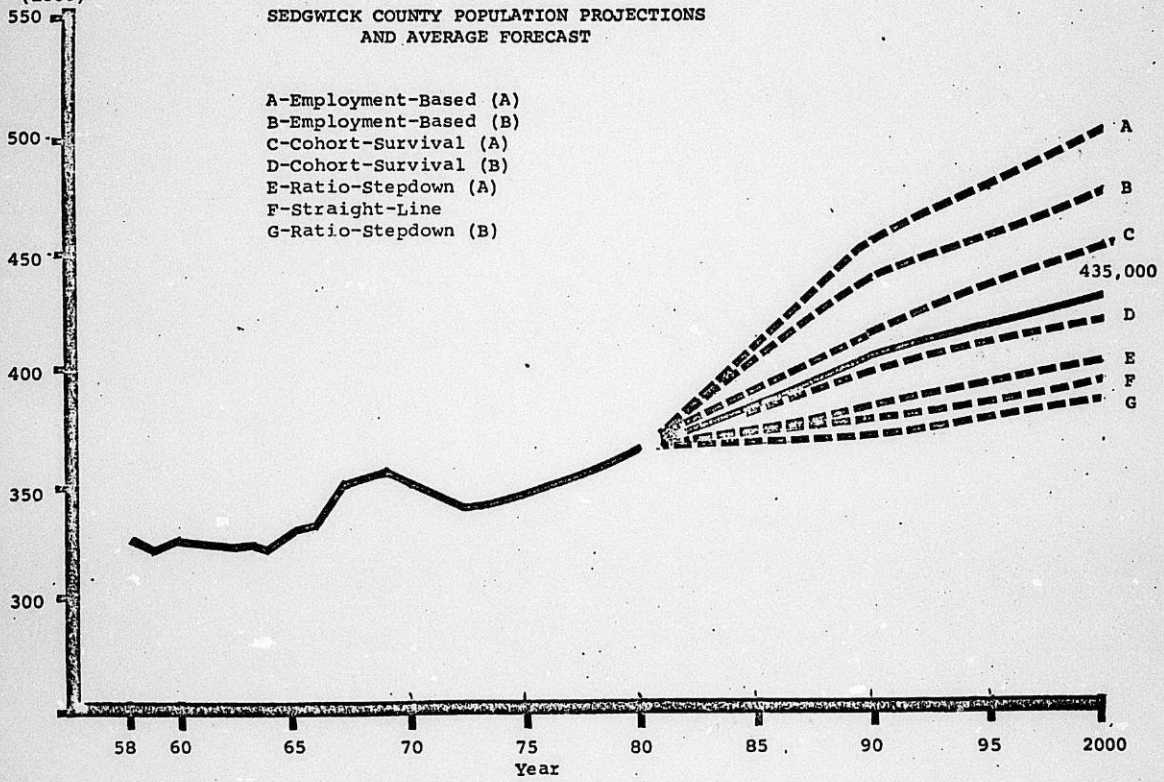
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WICHITA-SEDGWICK COUNTY  
METROPOLITAN AREA PLANNING COMMISSION

AGENDA

FEBRUARY 11, 1982

The regular meeting of the Wichita-Sedgwick County Metropolitan Area Planning Commission will be held on Thursday, February 11, 1982, in the City Commission Meeting Room, First Floor, City Hall, 455 North Main, Wichita, Kansas, beginning at 1:30 p.m.

1. Invocation

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2. Approval of the minutes for January 14, 1982.

- 
3. Consideration of Subdivision Committee Recommendations from their meeting of February 4, 1982. (Copies of their recommendations furnished to the Planning Commission.)

NOTE: ITEMS 3/1 THRU 3/10 MAY BE TAKEN IN ONE MOTION UNLESS THERE ARE QUESTIONS OR COMMENTS.

- 3/1. S/D 81-137 - Final plat of West Forest Second Addition, generally located on the north side of 9th Street, between Doris and Clara.

Engineer: Moehring and Associates  
Acreage: 0.49  
No. of lots: 2

- /2. S/D 82-10 - Final plat of Briarwood Estates 3rd Addition, generally located at the southeast corner of Shefford and Merridale. (South of 13th and east of 119th Street West).

Engineer: Professional Engineering Consultants  
Acreage: 1.0+  
No. of lots: 2

- /3. S/D 82-5 - Final plat of Young Addition, generally located on the south side of Central, in an area east of Young Street.

Engineer: Jack V. Gibbs  
Acreage: 0.4  
No. of lots: 1

- /4. S/D 74-135 - Final plat of Huntcrest Second Addition, generally located on the south side of Harry in an area east of Cranbrook.

Engineer: Baughman Company, P.A.  
Acreage: 35.65  
No. of lots: 116

- /5. S/D 81-84 - Revised final plat of Shad and April Addition, generally located at the northeast corner of 10th and Sheridan.

Engineer: Baughman Company, P.A.  
Acreage: 1.4  
No. of lots: 6

- /6. S/D 82-7 - Final plat of Dillon 5th Addition, generally located on the west side of Edgemoor between Harry and Boston.

Engineer: Baughman Company, P.A.  
Acreage: 5.9  
No. of lots: 1

- /7. S/D 82-11 - Final plat of Chelsea Square Second Addition, generally located on the west side of Broadmoor, in an area south of 21st Street North.

Engineer: Van Doren-Hazard-Stallings  
Acreage: 14.1 No. of lots: 1

- /8. S/D 81-127 - Final plat of Crestview Country Club Estates-Overbrook 4th Addition, generally located on the east side of 143rd Street East, in an area south of Ninth Street.

Engineer: Van Doren-Hazard-Stallings  
Acreage: 10.2+ No. of lots: 38

- /9 S/D 82-4 - Final plat of Park Plaza Third Addition, generally located between Wichita and Waco, on the north side of Central

Engineer: Lowell D. High  
Acreage: 1.31 No. of lots: 1

- /10 S/D 81-133 - Final plat of 17th Street Substation, generally located between Emporia and St. Francis on the south side of 17th Street.

Engineer: Booker/Freund  
Acreage: 1.54 No. of lots: 1

NOTE: This item was deferred from the meeting of January 14, 1982

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ZONING:

RETURNED BY CITY COMMISSION:

- 4a. Case No. Z-2396

Request: "1A" & "A" to "A"

Location: Southeast corner of 21st Street & 119th Street West.  
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- b. Case No. DP-118

Request: Country Village Residential C.U.P.

Location: Southeast corner of 21st Street & 119th Street West.  
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NEW CASES:

- 5a. Case No. Z-2403

Request: "AA" & "LC" to "BB" & "LC"

Location: West side of Rock Road between 32nd & 37th Streets North.  
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- b. Case No. DP-121

Request: Woodlawn Development No. 8 Commercial C.U.P.

Location: West side of Rock Road, between 32nd & 37th Streets North.  
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6. Case No. SCZ-0498

Request: "R" to "LC"

Location: On the east side of Oliver, in an area south of 63rd Street South.

NOTE: This case should be deferred to February 25, 1982

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7a. Case No. Z-2406

Request: "AA" to "LC"

Location: South side of 37th Street North, 1/2 mile east of Woodlawn.

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b. Case No. DP-122

Request: Woodlawn Development No. 6 Commercial C.U.P.

Location: South side of 37th Street North, 1/2 mile east of Woodlawn.

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8. Case No. Z-2413

Request: "A" to "RB"

Location: On the east side of Everett, in an area between McCormick and Irving.

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9. Case No. Z-2414

Request: "A" & "RB" to "RB"

Location: North side of Irving, in an area between Meridian and Sedgwick.

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10. Case No. Z-2417

Request: "AA" to "A"

Location: East side of Mt. Carmel Circle, in an area between 11th & 13th Streets.

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11. Case No. Z-2418

Request: "AA" to "G" & "LC"

Location: West side of Seneca, between 52nd & 55th Streets South.

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12. Case No. Z-2419

Request: "B", "C" & "E" to "BE"

Location: Northeast corner of Central and Waco.

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13. Case No. DR 81-27

Request: Special permit to expand & reconstruct the 17th Street Electrical Substation.

Location: Between Emporia and St. Francis, on the south side of 17th Street.

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14. DR 82-2 - Report on progress on the Four Mile Creek Sewer Treatment Plant during 1981 (Requested by Board of County Commissioners) - Andy Harkness.

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15. DR 82-3 - Report on progress in Contracting with Second and Third Class Cities for Sedgwick County to do their building inspections (Requested by Board of County Commissioners) - Ron Worley, County Zoning Administrator.

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16. DR 82-5 - Approval of Year 2000 Population Forecast (Memo attached)

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17. Other Matters.

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Robert A. Lakin  
Secretary

DR 82-5 Proposal of year  
2000 Population Forecast.

(Requested by Jack for Lakin)  
To be given to Carl Lewis,  
In connection with an item on  
the next MAPC meeting.