# Appendix A – Socioeconomic Data

A.1. Introduction

This appendix presents the socioeconomic data used to support forecast analyses in **Chapter 4. Forecast of Aviation Activity and System Demand.** The data presented in this appendix is sourced from 2018 Woods & Poole Economics reports and uses a historic year of 1988, a base year of 2018, and projection years 2023 (five years), 2028 (10 years), and 2038 (20 years). This appendix provides comprehensive socioeconomic data for South Dakota at the county and statewide levels and a comparison to the U.S. population.

A.2. Population

Figure A-1 demonstrates the growth of population statewide, and in the U.S. during the projection period. As shown, the rate of growth is quite comparable, with the light blue trendline depicting U.S. population growth corresponding closely to the green bars depicting South Dakota's population trend.

Figure A-1: Population Growth Trend for South Dakota and U.S. (In Thousands)
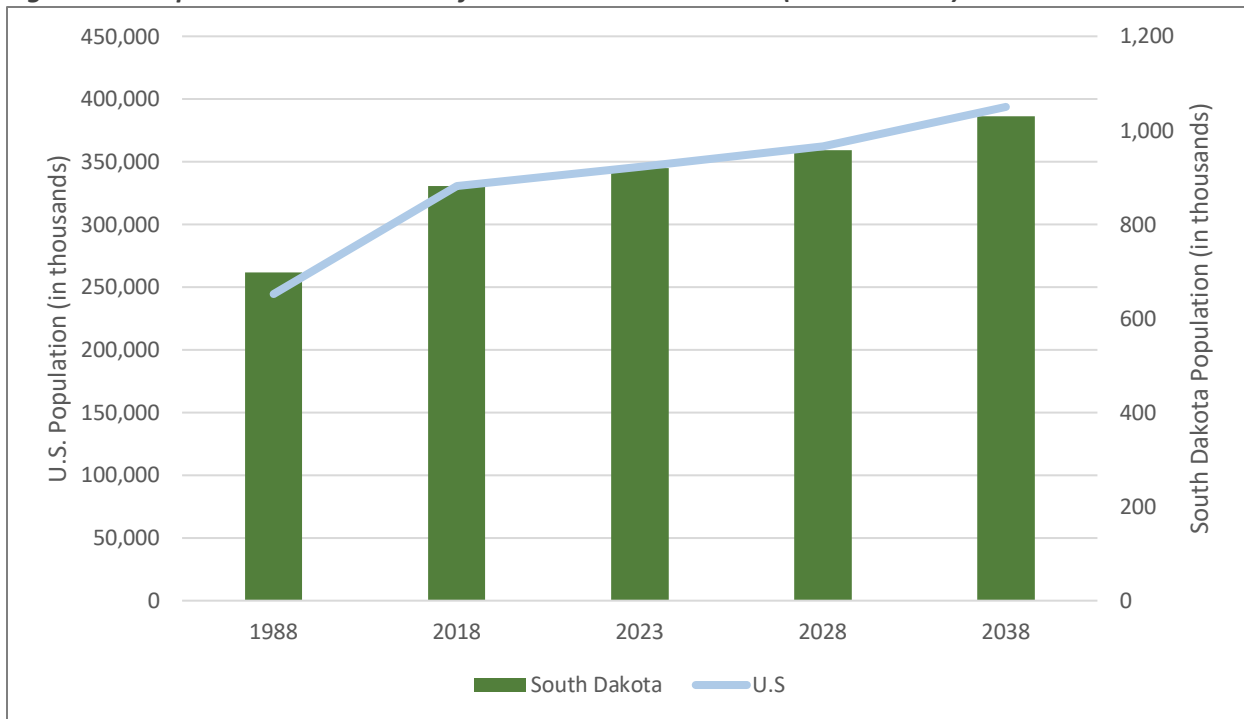
Sources: Kimley-Horn, 2020; Woods & Poole Economics, Inc

Table A-1 shows the population (in thousands) by county, as well as statewide and U.S. data. Thirty-seven of the 66 counties in South Dakota are anticipated to see a marginal decline in their population from 2018 to 2038, ranging from 0.1 percent decrease to 0.8 percent decrease. Minnehaha County and Pennington County are the highest populated counties in South Dakota, and both of these counties anticipate growth of 1.2 percent and 1.1 percent respectively. This is not surprising as the two largest cities are within these counties, Sioux Falls in Minnehaha County and Rapid City in Pennington County. Despite the majority of counties anticipated to see their populations decrease overall the state

anticipates a slight population growth of 148,000 new residents, corresponding to a compound annual growth rate (CAGR) of 0.8 percent.

Table A-1: Population by County (In Thousands)

County	Historic 1988	Base Year 2018	Projected 2023	Projected 2028	Projected 2038	CAGR 1988-2018	CAGR 2018-2023	CAGR 2018-2028	CAGR 2018-2038
Aurora	3.3	2.7	2.7	2.6	2.5	-0.6%	-0.4%	-0.4%	-0.5%
Beadle	18.2	18.1	18.1	18.0	17.5	0.0%	-0.1%	-0.1%	-0.2%
Bennett	3.3	3.5	3.5	3.6	3.6	0.2%	0.3%	0.3%	0.2%
Bon Homme	7.0	7.0	6.9	6.8	6.5	0.0%	-0.2%	-0.2%	-0.3%
Brookings	25.1	34.6	36.2	37.8	40.6	1.1%	0.9%	0.9%	0.8%
Brown	36.4	38.9	39.5	40.1	40.8	0.2%	0.3%	0.3%	0.2%
Brule	5.6	5.3	5.3	5.3	5.2	-0.2%	0.0%	0.0%	-0.1%
Buffalo	1.7	2.1	2.1	2.1	2.2	0.7%	0.2%	0.2%	0.1%
Butte	7.9	10.5	10.9	11.2	11.7	1.0%	0.6%	0.6%	0.5%
Campbell	2.0	1.4	1.4	1.4	1.3	-1.3%	-0.1%	-0.1%	-0.2%
Charles Mix	9.3	9.4	9.5	9.6	9.7	0.0%	0.3%	0.2%	0.1%
Clark	4.6	3.6	3.5	3.4	3.2	-0.8%	-0.4%	-0.4%	-0.5%
Clay	13.1	14.0	14.2	14.3	14.4	0.2%	0.2%	0.2%	0.1%
Codington	22.2	28.6	29.3	30.1	31.1	0.8%	0.5%	0.5%	0.4%
Corson	4.5	4.2	4.3	4.4	4.4	-0.2%	0.3%	0.3%	0.2%
Custer	6.3	8.8	9.2	9.6	10.4	1.1%	0.9%	0.9%	0.9%
Davison	17.5	20.3	20.8	21.3	21.9	0.5%	0.5%	0.5%	0.4%
Day	7.2	5.5	5.4	5.2	4.9	-0.9%	-0.4%	-0.5%	-0.5%
Deuel	4.6	4.3	4.2	4.2	4.0	-0.2%	-0.2%	-0.3%	-0.3%
Dewey	5.5	5.7	5.8	5.9	6.1	0.1%	0.4%	0.3%	0.3%
Douglas	3.9	2.9	2.9	2.8	2.6	-0.9%	-0.4%	-0.4%	-0.5%
Edmunds	4.6	4.0	4.0	4.0	3.9	-0.5%	0.0%	-0.1%	-0.1%
Fall River	7.8	6.8	6.8	6.8	6.7	-0.4%	0.0%	0.0%	-0.1%
Faulk	2.8	2.4	2.4	2.3	2.3	-0.6%	0.0%	0.0%	-0.1%
Grant	8.8	7.2	7.1	7.0	6.7	-0.7%	-0.2%	-0.3%	-0.3%
Gregory	5.5	4.2	4.1	4.1	3.9	-0.9%	-0.3%	-0.3%	-0.4%
Haakon	2.7	1.8	1.8	1.8	1.7	-1.3%	-0.2%	-0.2%	-0.3%
Hamlin	5.1	6.1	6.1	6.2	6.2	0.6%	0.3%	0.2%	0.1%
Hand	4.5	3.3	3.2	3.1	2.9	-1.0%	-0.5%	-0.6%	-0.7%
Hanson	3.1	3.5	3.5	3.5	3.6	0.4%	0.3%	0.2%	0.2%

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County	Historic	Base Year	Projected			CAGR			
	1988	2018	2023	2028	2038	1988-2018	2018-2023	2018-2028	2018-2038
Harding	1.7	1.2	1.2	1.2	1.1	-1.1%	-0.4%	-0.4%	-0.5%
Hughes	14.8	18.0	18.4	18.8	19.2	0.7%	0.5%	0.4%	0.3%
Hutchinson	8.5	7.1	7.0	6.9	6.5	-0.6%	-0.3%	-0.4%	-0.4%
Hyde	1.8	1.4	1.3	1.3	1.2	-0.8%	-0.6%	-0.6%	-0.7%
Jackson	3.0	3.3	3.4	3.4	3.5	0.3%	0.3%	0.3%	0.3%
Jerauld	2.5	2.0	1.9	1.9	1.7	-0.8%	-0.5%	-0.5%	-0.6%
Jones	1.4	1.0	0.9	0.9	0.8	-1.2%	-0.7%	-0.7%	-0.8%
Kingsbury	6.1	5.0	4.9	4.8	4.5	-0.7%	-0.4%	-0.4%	-0.5%
Lake	10.5	12.5	12.6	12.8	12.8	0.6%	0.2%	0.2%	0.1%
Lawrence	20.0	25.7	27.2	28.6	31.4	0.9%	1.1%	1.1%	1.0%
Lincoln	15.0	57.0	64.5	72.8	91.5	4.5%	2.5%	2.5%	2.4%
Lyman	3.6	3.9	4.0	4.1	4.1	0.3%	0.3%	0.3%	0.2%
Marshall	4.9	4.7	4.7	4.7	4.7	-0.2%	0.1%	0.0%	0.0%
McCook	5.8	5.6	5.6	5.5	5.3	-0.1%	-0.2%	-0.2%	-0.3%
McPherson	3.5	2.4	2.4	2.4	2.3	-1.2%	-0.2%	-0.2%	-0.3%
Meade	22.2	28.2	30.0	31.7	35.2	0.8%	1.2%	1.2%	1.1%
Mellette	2.2	2.1	2.1	2.1	2.1	-0.1%	0.1%	0.1%	0.0%
Miner	3.3	2.3	2.2	2.1	1.9	-1.3%	-0.6%	-0.7%	-0.8%
Minnehaha	122.1	193.2	206.8	220.7	247.6	1.5%	1.4%	1.3%	1.2%
Moody	6.5	6.3	6.3	6.2	6.0	-0.1%	-0.1%	-0.2%	-0.2%
Pennington	80.8	113.4	120.2	127.3	141.0	1.1%	1.2%	1.2%	1.1%
Perkins	4.2	3.0	2.9	2.9	2.7	-1.1%	-0.4%	-0.4%	-0.5%
Potter	3.4	2.3	2.3	2.3	2.3	-1.3%	-0.1%	-0.1%	-0.1%
Roberts	10.1	10.6	10.8	11.1	11.4	0.1%	0.5%	0.5%	0.4%
Sanborn	2.9	2.3	2.2	2.2	2.1	-0.8%	-0.4%	-0.5%	-0.5%
Shannon (Oglala Lakota)	9.9	14.6	15.2	15.7	16.7	1.3%	0.7%	0.7%	0.7%
Spink	7.6	6.6	6.5	6.5	6.4	-0.5%	-0.1%	-0.1%	-0.2%
Stanley	2.5	3.0	3.1	3.2	3.3	0.7%	0.5%	0.4%	0.3%
Sully	1.7	1.4	1.4	1.3	1.2	-0.6%	-0.5%	-0.5%	-0.6%
Todd	7.7	10.1	10.4	10.7	11.2	0.9%	0.6%	0.6%	0.5%
Tripp	7.0	5.5	5.4	5.3	5.2	-0.8%	-0.2%	-0.2%	-0.3%
Turner	8.6	8.2	8.2	8.1	7.9	-0.1%	-0.1%	-0.1%	-0.2%

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	Historic	Base Year	Projected			CAGR			
County	1988	2018	2023	2028	2038	1988-2018	2018-2023	2018-2028	2018-2038
Union	10.3	15.7	16.5	17.4	19.1	1.4%	1.1%	1.0%	1.0%
Walworth	6.4	5.5	5.5	5.5	5.3	-0.5%	-0.1%	-0.1%	-0.1%
Yankton	18.9	23.1	23.6	24.1	24.8	0.7%	0.4%	0.4%	0.4%
Ziebach	2.2	2.9	2.9	3.0	3.1	0.9%	0.5%	0.4%	0.4%
South Dakota	**698.1**	**881.7**	**919.4**	**957.9**	**1029.7**	**0.8%**	**0.8%**	**0.8%**	**0.8%**
U.S.	**244,500**	**330,535**	**346,140**	**362,304**	**393,714**	**1.0%**	**0.9%**	**0.9%**	**0.9%**

Sources: Kimley-Horn, 2020; Woods & Poole Economics, Inc

A.3. Median Age

Figure A-2 shows the projected change in median age for South Dakota and for the U.S. The chart shows a strong correlation between them, with South Dakota projecting to have a median age slightly younger than the U.S. by 2038, but both increasing at a similar rate.

Figure A-2: Median Age Trends for South Dakota and the U.S.
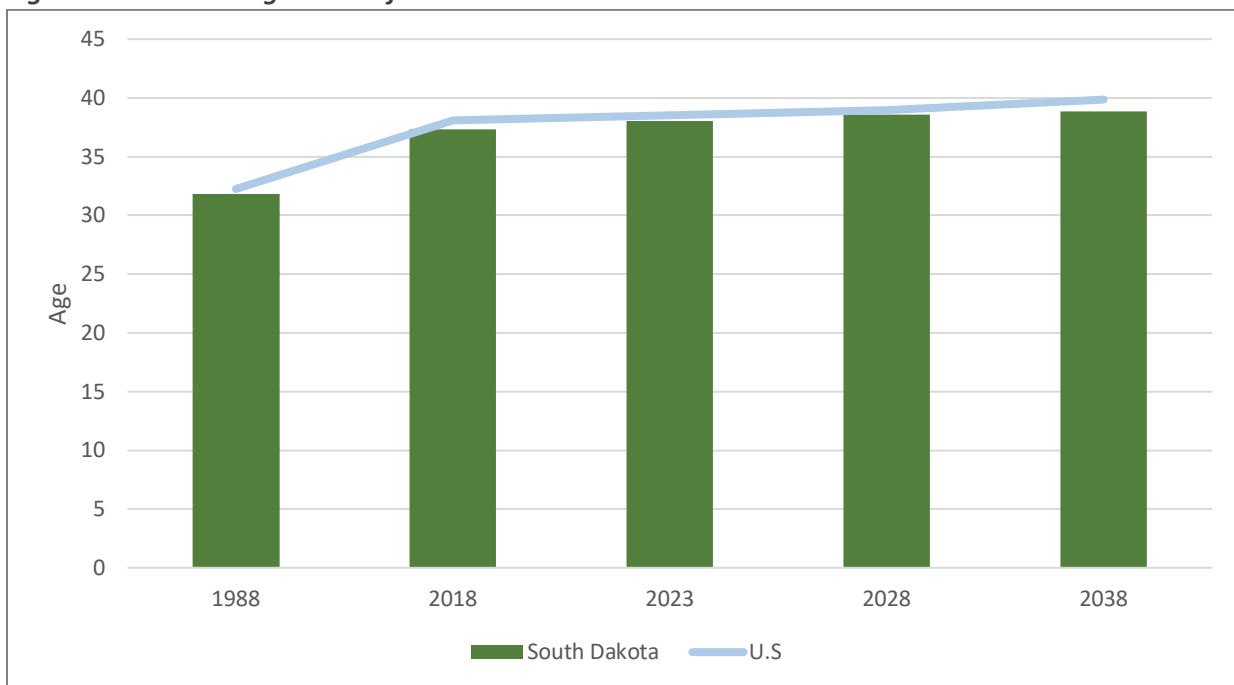
Sources: Kimley-Horn, 2020; Woods & Poole Economics, Inc

Table A-2 shows the median age for the historic and base years, and throughout the projection period for all 66 South Dakota counties, the state, and the U.S. Forty-one counties in South Dakota are anticipated to experience a decline in the median age of between 1.5 percent and 0.1 percent. Overall, South Dakota's median age is anticipated to increase slightly over the 20-year projection period from 37 years of age in 2018 to 39 years of age in 2038, corresponding to a CAGR of 0.2 percent. The U.S. median age has the same CAGR at 0.2 percent and is anticipated to increase from 38 to 40 years of age between 2018 and 2038.

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Table A-2: Median Age by County

County	Historic 1988	Base Year 2018	Projected 2023	Projected 2028	Projected 2038	CAGR 1988-2018	CAGR 2018-2023	CAGR 2018-2028	CAGR 2018-2038
Aurora	37	39	38	36	35	0.2%	-0.7%	-0.9%	-0.5%
Beadle	35	39	41	42	44	0.4%	0.7%	0.7%	0.6%
Bennett	29	29	29	29	29	0.0%	-0.2%	-0.1%	0.0%
Bon Homme	37	42	42	43	42	0.4%	0.1%	0.2%	0.0%
Brookings	26	28	30	32	32	0.3%	1.3%	1.4%	0.6%
Brown	32	39	41	43	46	0.6%	0.9%	0.9%	0.9%
Brule	32	41	40	40	40	0.8%	-0.3%	-0.2%	-0.1%
Buffalo	22	25	25	25	26	0.5%	-0.2%	-0.2%	0.2%
Butte	34	41	42	42	40	0.7%	0.2%	0.0%	-0.1%
Campbell	39	54	53	51	46	1.1%	-0.3%	-0.7%	-0.9%
Charles Mix	34	35	32	31	29	0.1%	-1.8%	-1.1%	-0.8%
Clark	38	40	38	36	30	0.2%	-1.3%	-1.2%	-1.5%
Clay	24	28	31	33	30	0.6%	1.8%	1.6%	0.3%
Codington	32	39	40	41	44	0.6%	0.6%	0.6%	0.6%
Corson	27	30	30	31	33	0.3%	0.1%	0.2%	0.5%
Custer	36	55	56	54	46	1.5%	0.2%	-0.2%	-0.9%
Davison	33	39	40	41	42	0.5%	0.3%	0.4%	0.4%
Day	38	46	44	42	37	0.6%	-1.2%	-1.1%	-1.1%
Deuel	38	45	45	45	43	0.6%	-0.1%	0.0%	-0.2%
Dewey	25	29	30	31	33	0.5%	0.7%	0.7%	0.6%
Douglas	36	46	42	40	38	0.8%	-1.8%	-1.4%	-1.0%
Edmunds	39	45	44	43	41	0.5%	-0.7%	-0.6%	-0.6%
Fall River	40	52	51	49	43	0.9%	-0.5%	-0.7%	-0.9%
Faulk	39	46	43	41	39	0.5%	-1.3%	-1.1%	-0.7%
Grant	34	45	44	44	42	0.9%	-0.1%	-0.2%	-0.3%
Gregory	37	46	46	45	41	0.7%	-0.3%	-0.3%	-0.6%
Haakon	31	46	44	42	38	1.3%	-0.9%	-0.8%	-1.0%
Hamlin	37	35	33	32	32	-0.2%	-1.2%	-0.9%	-0.5%
Hand	37	48	46	45	46	0.8%	-1.0%	-0.6%	-0.2%
Hanson	34	35	30	29	27	0.1%	-2.6%	-1.8%	-1.3%
Harding	32	44	42	44	45	1.1%	-0.7%	0.0%	0.2%
Hughes	32	40	42	44	47	0.7%	0.8%	0.9%	0.8%
Hutchinson	41	44	42	41	39	0.3%	-0.8%	-0.8%	-0.6%

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	Historic	Base Year	Projected			CAGR			
County	1988	2018	2023	2028	2038	1988-2018	2018-2023	2018-2028	2018-2038
Hyde	39	44	43	43	42	0.5%	-0.4%	-0.4%	-0.2%
Jackson	29	29	28	28	28	0.0%	-0.6%	-0.3%	-0.3%
Jerauld	40	46	45	45	38	0.5%	-0.4%	-0.3%	-1.0%
Jones	36	47	46	44	40	0.9%	-0.7%	-0.7%	-0.8%
Kingsbury	39	45	44	44	41	0.5%	-0.6%	-0.3%	-0.5%
Lake	33	45	46	47	47	1.0%	0.3%	0.3%	0.2%
Lawrence	32	44	46	47	49	1.1%	0.8%	0.8%	0.6%
Lincoln	33	35	35	35	36	0.2%	-0.1%	0.1%	0.1%
Lyman	31	35	34	34	34	0.4%	-0.5%	-0.4%	-0.2%
Marshall	38	42	41	41	40	0.3%	-0.6%	-0.2%	-0.3%
McCook	37	40	38	36	34	0.2%	-0.8%	-1.1%	-0.8%
McPherson	45	49	47	47	44	0.3%	-0.8%	-0.5%	-0.5%
Meade	29	36	37	39	42	0.7%	0.6%	0.7%	0.8%
Mellette	30	33	31	30	29	0.4%	-1.4%	-0.8%	-0.7%
Miner	39	44	41	38	35	0.4%	-1.3%	-1.4%	-1.1%
Minnehaha	31	35	36	37	36	0.5%	0.5%	0.4%	0.1%
Moody	34	39	39	37	34	0.5%	-0.4%	-0.7%	-0.7%
Pennington	29	38	40	41	42	0.9%	0.7%	0.7%	0.4%
Perkins	37	47	46	46	43	0.8%	-0.6%	-0.3%	-0.4%
Potter	38	52	51	49	46	1.0%	-0.5%	-0.5%	-0.6%
Roberts	35	37	35	33	32	0.2%	-1.3%	-1.1%	-0.7%
Sanborn	36	43	42	43	42	0.6%	-0.4%	-0.1%	-0.1%
Shannon (Oglala Lakota)	20	26	26	26	27	0.8%	0.0%	0.0%	0.1%
Spink	36	43	42	43	43	0.6%	-0.2%	0.1%	0.1%
Stanley	32	41	41	39	36	0.8%	-0.1%	-0.4%	-0.6%
Sully	34	46	45	45	44	1.0%	-0.3%	-0.3%	-0.2%
Todd	21	25	25	26	28	0.6%	0.1%	0.3%	0.5%
Tripp	34	44	43	41	40	0.9%	-0.5%	-0.7%	-0.4%
Turner	39	44	44	44	43	0.5%	-0.1%	0.0%	-0.2%
Union	34	41	42	43	44	0.6%	0.7%	0.6%	0.4%
Walworth	39	45	44	45	45	0.5%	-0.4%	-0.1%	-0.1%
Yankton	33	43	44	46	49	0.9%	0.7%	0.8%	0.7%
Ziebach	24	28	30	32	36	0.6%	0.9%	1.2%	1.1%

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	Historic	Base Year	Projected			CAGR			
County	1988	2018	2023	2028	2038	1988-2018	2018-2023	2018-2028	2018-2038
South Dakota	32	37	38	39	39	0.5%	0.4%	0.3%	0.2%
U.S.	32	38	39	39	40	0.6%	0.2%	0.2%	0.2%

Sources: Kimley-Horn, 2020; Woods & Poole Economics, Inc

A.4. Employment

Figure A-3 shows the employment trends for both South Dakota and the U.S. Employment numbers are on the rise for both the state and the nation as a whole, with South Dakota experiencing a slightly higher CAGR than the U.S. at 1.3 and 1.2 percent respectively, between 2018 and 2038.

Figure A-3: Employment Trends for South Dakota and the U.S. (In Thousands)
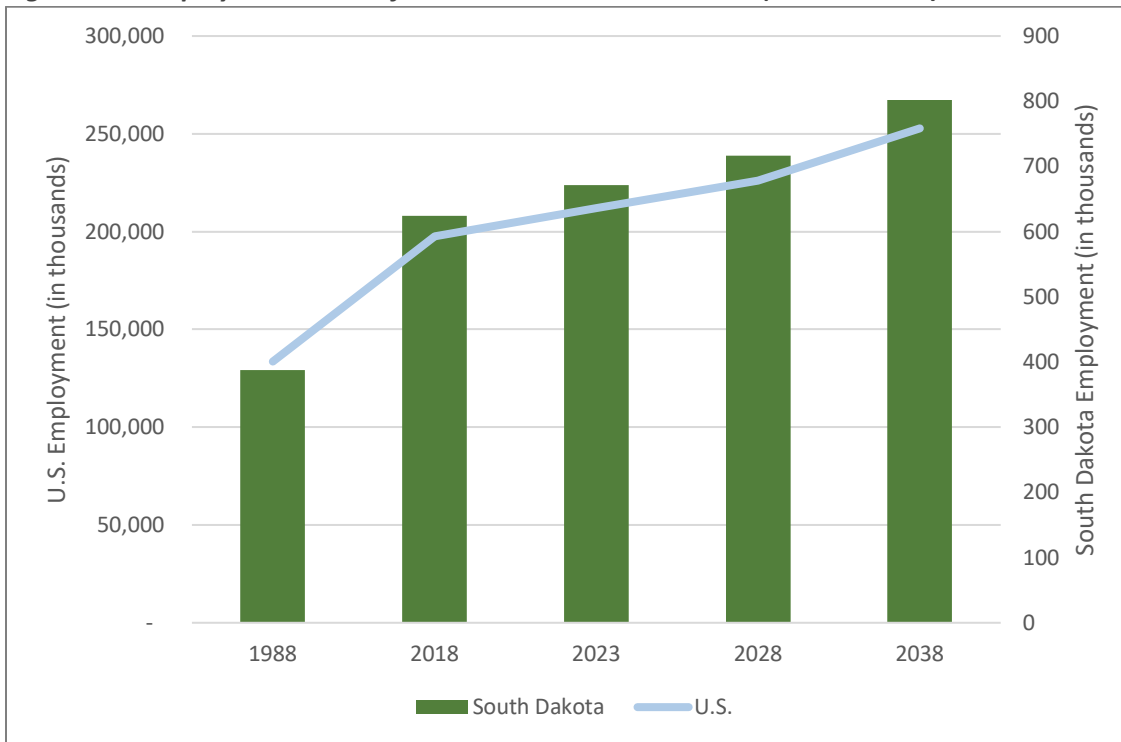
Sources: Kimley-Horn, 2020; Woods & Poole Economics, Inc

Table A-3 shows employment numbers for the 66 South Dakota counties, as well as statewide totals, and U.S. employment numbers for historic and baseline years, and projections over the planning period. All of the counties in South Dakota are anticipated to experience employment growth over the planning period, ranging from a CAGR of 0.2 percent to 2.4 percent between 2018 and 2038.

Table A-3: Employment by County (In Thousands of Jobs)

County	Historic	Base Year	Projected			CAGR			
	1988	2018	2023	2028	2038	1988-2018	2018-2023	2018-2028	2018-2038
Aurora	1.6	2.0	2.1	2.2	2.2	0.8%	0.7%	0.6%	0.5%
Beadle	10.5	12.1	12.4	12.6	12.7	0.5%	0.4%	0.4%	0.2%
Bennett	1.3	1.8	1.9	2.0	2.1	1.0%	1.1%	1.0%	0.8%
Bon Homme	3.4	3.6	3.7	3.8	3.9	0.2%	0.6%	0.6%	0.4%
Brookings	14.2	26.1	28.4	30.6	34.7	2.0%	1.7%	1.6%	1.4%
Brown	22.8	29.7	30.9	31.9	33.2	0.9%	0.8%	0.7%	0.6%
Brule	2.8	3.7	3.9	4.1	4.3	1.0%	1.0%	0.9%	0.8%
Buffalo	0.5	0.9	0.9	0.9	0.9	2.0%	0.6%	0.5%	0.4%
Butte	3.7	5.6	5.9	6.1	6.5	1.4%	1.0%	0.9%	0.7%
Campbell	1.1	1.1	1.2	1.2	1.3	0.2%	0.7%	0.7%	0.5%
Charles Mix	4.2	5.9	6.1	6.3	6.4	1.1%	0.7%	0.6%	0.4%
Clark	2.2	2.5	2.5	2.6	2.7	0.4%	0.6%	0.6%	0.4%
Clay	6.6	12.6	13.4	14.1	15.3	2.2%	1.2%	1.1%	1.0%
Codington	13.4	22.6	24.1	25.4	27.8	1.8%	1.3%	1.2%	1.0%
Corson	1.5	1.7	1.8	1.9	1.9	0.5%	0.7%	0.7%	0.5%
Custer	3.3	5.7	6.1	6.4	6.9	1.8%	1.2%	1.1%	1.0%
Davison	10.5	17.0	18.1	19.0	20.5	1.6%	1.2%	1.1%	0.9%
Day	3.6	3.6	3.7	3.8	4.0	0.0%	0.7%	0.6%	0.5%
Deuel	2.2	3.2	3.3	3.4	3.5	1.2%	0.7%	0.6%	0.5%
Dewey	2.2	3.3	3.5	3.6	3.8	1.3%	0.9%	0.8%	0.7%
Douglas	1.8	2.3	2.4	2.4	2.6	0.8%	0.8%	0.7%	0.6%
Edmunds	2.1	2.8	2.9	3.0	3.2	1.0%	0.8%	0.7%	0.6%
Fall River	3.9	3.6	3.7	3.8	3.9	-0.3%	0.5%	0.5%	0.3%
Faulk	1.3	1.5	1.6	1.6	1.7	0.4%	0.8%	0.7%	0.6%
Grant	4.8	6.3	6.7	7.0	7.6	0.9%	1.2%	1.1%	1.0%
Gregory	2.7	2.9	3.0	3.1	3.3	0.2%	0.8%	0.7%	0.6%
Haakon	1.7	1.8	1.8	1.9	2.0	0.2%	0.8%	0.7%	0.6%
Hamlin	2.1	2.9	3.0	3.1	3.2	1.1%	0.8%	0.7%	0.5%
Hand	2.3	2.6	2.7	2.8	2.9	0.3%	0.8%	0.7%	0.6%
Hanson	1.1	1.6	1.7	1.7	1.8	1.2%	0.7%	0.6%	0.5%
Harding	0.9	1.4	1.5	1.5	1.7	1.3%	1.2%	1.1%	1.0%
Hughes	9.9	14.6	15.4	16.2	17.3	1.3%	1.1%	1.0%	0.9%

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County	Historic	Base Year	Projected			CAGR			
	1988	2018	2023	2028	2038	1988-2018	2018-2023	2018-2028	2018-2038
Hutchinson	4.3	4.7	4.9	5.0	5.2	0.3%	0.7%	0.6%	0.5%
Hyde	0.9	1.2	1.3	1.3	1.4	0.9%	0.9%	0.8%	0.6%
Jackson	1.1	1.6	1.6	1.7	1.8	1.2%	0.8%	0.7%	0.6%
Jerauld	1.3	2.6	2.8	3.0	3.3	2.5%	1.5%	1.4%	1.2%
Jones	0.9	1.1	1.1	1.1	1.2	0.7%	0.8%	0.7%	0.6%
Kingsbury	3.1	3.2	3.3	3.3	3.4	0.0%	0.6%	0.5%	0.3%
Lake	5.8	8.0	8.4	8.8	9.5	1.0%	1.1%	1.0%	0.9%
Lawrence	10.9	17.4	18.7	20.1	22.5	1.6%	1.5%	1.4%	1.3%
Lincoln	6.0	34.8	39.7	44.9	56.0	6.0%	2.7%	2.6%	2.4%
Lyman	1.7	2.5	2.7	2.7	2.9	1.3%	0.9%	0.8%	0.6%
Marshall	2.3	2.9	3.0	3.1	3.3	0.8%	0.9%	0.8%	0.7%
McCook	2.9	3.1	3.2	3.3	3.4	0.2%	0.8%	0.7%	0.5%
McPherson	1.7	1.4	1.5	1.5	1.5	-0.5%	0.4%	0.4%	0.3%
Meade	8.2	23.9	27.1	30.5	37.9	3.6%	2.5%	2.4%	2.3%
Mellette	0.7	1.1	1.1	1.1	1.2	1.3%	0.9%	0.8%	0.6%
Miner	1.7	1.8	1.9	1.9	2.0	0.1%	0.8%	0.8%	0.6%
Minnehaha	84.2	162.0	178.7	195.6	229.0	2.2%	2.0%	1.9%	1.7%
Moody	3.1	3.5	3.6	3.6	3.6	0.3%	0.4%	0.3%	0.1%
Pennington	51.4	70.2	74.8	79.2	86.8	1.0%	1.3%	1.2%	1.1%
Perkins	2.6	2.2	2.3	2.4	2.4	-0.5%	0.7%	0.6%	0.5%
Potter	1.7	1.7	1.7	1.8	1.8	-0.1%	0.6%	0.5%	0.4%
Roberts	4.4	5.8	6.2	6.6	7.3	0.9%	1.4%	1.3%	1.2%
Sanborn	1.3	1.4	1.5	1.5	1.6	0.2%	0.8%	0.7%	0.6%
Shannon (Oglala Lakota)	2.3	5.2	5.5	5.8	6.4	2.8%	1.3%	1.2%	1.0%
Spink	4.1	4.1	4.2	4.3	4.4	0.0%	0.6%	0.5%	0.4%
Stanley	1.3	2.3	2.4	2.5	2.7	1.8%	1.2%	1.1%	0.9%
Sully	1.1	1.3	1.4	1.4	1.4	0.7%	0.7%	0.6%	0.4%
Todd	2.2	3.8	4.0	4.2	4.5	1.9%	1.1%	1.0%	0.8%
Tripp	3.7	3.9	4.1	4.2	4.4	0.2%	0.8%	0.8%	0.6%
Turner	4.0	4.1	4.3	4.4	4.4	0.1%	0.6%	0.5%	0.4%
Union	4.7	12.9	14.1	15.3	17.7	3.4%	1.8%	1.7%	1.6%
Walworth	3.3	3.7	3.8	3.9	4.0	0.4%	0.5%	0.5%	0.4%
Yankton	11.9	15.1	15.7	16.2	16.9	0.8%	0.8%	0.7%	0.6%

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	Historic	Base Year	Projected			CAGR			
County	1988	2018	2023	2028	2038	1988-2018	2018-2023	2018-2028	2018-2038
Ziebach	0.6	0.9	0.9	1.0	1.0	1.2%	0.6%	0.6%	0.5%
South Dakota	**387.8**	**624.2**	**671.2**	**716.9**	**802.3**	**1.6%**	**1.5%**	**1.4%**	**1.3%**
U.S.	**133,564**	**197,685**	**211,999**	**226,065**	**252,781**	**1.3%**	**1.4%**	**1.4%**	**1.2%**

Sources: Kimley-Horn, 2020; Woods & Poole Economics, Inc

A.5. Gross Regional Product (GRP)

Figure A-4 presents the Gross Regional Product (GRP) and Gross Domestic Product (GDP) trends for South Dakota and the U.S. GRP and GDP are presented in 2009 dollars according to the Woods & Poole data used. As shown, both GRP and GDP are on the rise over the projection period, with South Dakota's GRP increasing at a slightly faster rate than the U.S. GDP.

Figure A-4: GRP and GDP Trends for South Dakota and the U.S. (in Thousands, in 2009 Dollars)
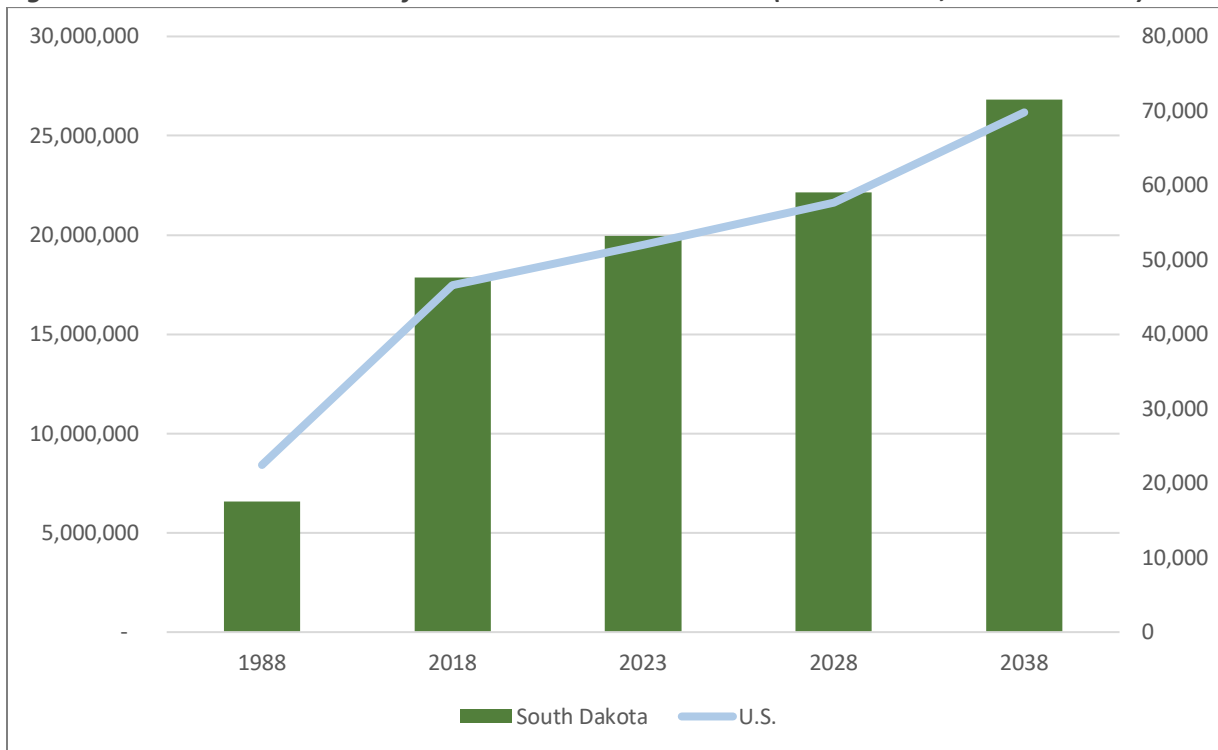
Sources: Kimley-Horn, 2020; Woods & Poole Economics, Inc

Table A-4 shows the GRP for the historic and baseline years, as well as through the 20-year projection period. Lincoln County and Meade County are anticipated to experience the greatest percentage increase to their GRP, at a CAGR of 3.2 percent and 3.0 percent respectively. All but three South Dakota counties are anticipated to experience GRP growth over the projection period. Overall, South Dakota is anticipated to see a 2.1 percent increase to their GRP between 2018 and 2038, while the U.S. is comparable at a 2.0 percent increase.

Table A-4: GRP by County (in Thousands, in 2009 Dollars)

County	Historic 1988	Base Year 2018	Projected 2023	2028	2038	CAGR 1988-2018	2018-2023	2018-2028	2018-2038
Aurora	57.1	153.6	167.0	180.1	204.7	3.4%	1.7%	1.6%	1.4%
Beadle	463.6	934.6	998.8	1,059.3	1,172.8	2.4%	1.3%	1.3%	1.1%
Bennett	48.7	110.3	121.6	132.5	152.9	2.8%	2.0%	1.9%	1.6%
Bon Homme	129.2	262.2	276.4	290.7	319.0	2.4%	1.1%	1.0%	1.0%
Brookings	600.6	1,982.4	2,231.1	2,485.8	3,020.4	4.1%	2.4%	2.3%	2.1%
Brown	1,034.4	2,381.8	2,584.0	2,779.9	3,151.2	2.8%	1.6%	1.6%	1.4%
Brule	109.5	230.8	244.3	257.8	283.9	2.5%	1.1%	1.1%	1.0%
Buffalo	23.3	60.6	64.7	68.5	75.3	3.2%	1.3%	1.2%	1.1%
Butte	151.9	373.1	418.9	468.3	580.7	3.0%	2.3%	2.3%	2.2%
Campbell	39.2	87.1	95.0	102.8	118.0	2.7%	1.8%	1.7%	1.5%
Charles Mix	169.6	412.4	445.2	476.1	531.3	3.0%	1.5%	1.4%	1.3%
Clark	77.9	188.8	195.6	201.7	212.0	3.0%	0.7%	0.7%	0.6%
Clay	257.0	741.7	808.1	873.6	1,000.0	3.6%	1.7%	1.7%	1.5%
Codington	586.9	1,585.3	1,747.1	1,908.5	2,231.8	3.4%	2.0%	1.9%	1.7%
Corson	55.2	123.3	130.9	138.3	152.1	2.7%	1.2%	1.2%	1.1%
Custer	131.3	306.2	336.9	367.7	429.0	2.9%	1.9%	1.8%	1.7%
Davison	454.1	1,317.5	1,457.5	1,596.7	1,876.8	3.6%	2.0%	1.9%	1.8%
Day	133.2	252.9	266.0	278.2	300.1	2.2%	1.0%	1.0%	0.9%
Deuel	82.9	264.5	287.1	308.1	346.1	3.9%	1.7%	1.5%	1.4%
Dewey	101.1	249.8	269.5	288.6	324.2	3.1%	1.5%	1.5%	1.3%
Douglas	67.3	183.0	198.3	213.1	240.9	3.4%	1.6%	1.5%	1.4%
Edmunds	71.8	222.1	241.5	260.5	296.4	3.8%	1.7%	1.6%	1.5%
Fall River	186.4	283.9	301.3	318.5	350.2	1.4%	1.2%	1.2%	1.1%

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County	Historic	Base Year	Projected			CAGR			
	1988	2018	2023	2028	2038	1988-2018	2018-2023	2018-2028	2018-2038
Faulk	48.4	106.8	117.7	128.6	150.2	2.7%	2.0%	1.9%	1.7%
Grant	207.2	472.8	520.0	566.9	660.4	2.8%	1.9%	1.8%	1.7%
Gregory	101.3	203.6	219.5	235.3	266.9	2.4%	1.5%	1.5%	1.4%
Haakon	65.9	130.9	147.5	165.6	207.4	2.3%	2.4%	2.4%	2.3%
Hamlin	74.1	220.1	230.3	240.4	260.4	3.7%	0.9%	0.9%	0.8%
Hand	87.0	122.2	119.0	116.6	114.4	1.1%	-0.5%	-0.5%	-0.3%
Hanson	43.9	121.3	131.6	141.1	157.9	3.4%	1.7%	1.5%	1.3%
Harding	38.0	109.2	121.5	133.8	158.3	3.6%	2.2%	2.0%	1.9%
Hughes	466.9	1,111.6	1,216.2	1,318.7	1,512.1	2.9%	1.8%	1.7%	1.6%
Hutchinson	150.3	363.6	394.2	423.6	477.5	3.0%	1.6%	1.5%	1.4%
Hyde	32.6	86.7	94.1	100.9	112.5	3.3%	1.6%	1.5%	1.3%
Jackson	39.1	106.9	116.8	126.5	145.2	3.4%	1.8%	1.7%	1.5%
Jerauld	56.2	176.3	197.7	219.3	263.1	3.9%	2.3%	2.2%	2.0%
Jones	33.5	68.6	73.6	78.3	86.6	2.4%	1.4%	1.3%	1.2%
Kingsbury	115.7	256.7	277.6	296.8	331.5	2.7%	1.6%	1.5%	1.3%
Lake	231.1	581.9	630.8	683.5	801.3	3.1%	1.6%	1.6%	1.6%
Lawrence	528.8	960.0	1,048.1	1,133.7	1,290.5	2.0%	1.8%	1.7%	1.5%
Lincoln	249.2	2,285.5	2,709.7	3,189.1	4,330.3	7.7%	3.5%	3.4%	3.2%
Lyman	62.7	169.4	182.5	195.6	221.6	3.4%	1.5%	1.5%	1.4%
Marshall	93.7	236.5	252.1	267.2	296.3	3.1%	1.3%	1.2%	1.1%
McCook	105.1	279.4	296.3	314.1	352.5	3.3%	1.2%	1.2%	1.2%
McPherson	58.2	106.9	115.4	124.3	143.3	2.0%	1.5%	1.5%	1.5%
Meade	339.6	1,328.8	1,552.9	1,805.9	2,406.4	4.7%	3.2%	3.1%	3.0%
Mellette	57.8	68.9	70.6	72.2	75.6	0.6%	0.5%	0.5%	0.5%

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County	Historic 1988	Base Year 2018	Projected 2023	Projected 2028	Projected 2038	CAGR 1988-2018	CAGR 2018-2023	CAGR 2018-2028	CAGR 2018-2038
Miner	60.6	131.8	143.0	154.1	176.2	2.6%	1.6%	1.6%	1.5%
Minnehaha	4,411.5	13,864.8	15,919.3	18,134.7	23,010.6	3.9%	2.8%	2.7%	2.6%
Moody	127.7	267.4	274.9	282.3	297.3	2.5%	0.6%	0.5%	0.5%
Pennington	2,648.3	5,391.7	6,035.5	6,713.7	8,170.6	2.4%	2.3%	2.2%	2.1%
Perkins	106.5	157.5	164.0	170.4	183.1	1.3%	0.8%	0.8%	0.8%
Potter	60.0	200.3	197.4	194.4	188.0	4.1%	-0.3%	-0.3%	-0.3%
Roberts	162.3	432.1	484.4	537.9	647.3	3.3%	2.3%	2.2%	2.0%
Sanborn	50.0	111.7	122.2	133.6	159.5	2.7%	1.8%	1.8%	1.8%
Shannon (Oglala Lakota)	105.4	370.9	409.6	448.7	526.8	4.3%	2.0%	1.9%	1.8%
Spink	163.2	311.9	323.8	336.1	362.4	2.2%	0.7%	0.8%	0.8%
Stanley	53.4	156.3	173.4	189.0	217.0	3.6%	2.1%	1.9%	1.7%
Sully	38.9	83.6	89.9	95.8	106.0	2.6%	1.4%	1.4%	1.2%
Todd	95.0	265.8	292.0	318.0	367.7	3.5%	1.9%	1.8%	1.6%
Tripp	139.6	285.0	309.9	335.5	388.7	2.4%	1.7%	1.6%	1.6%
Turner	141.6	433.2	433.8	434.4	435.6	3.8%	0.0%	0.0%	0.0%
Union	195.8	1,249.6	1,423.5	1,613.2	2,043.9	6.4%	2.6%	2.6%	2.5%
Walworth	131.5	231.1	248.2	265.0	296.5	1.9%	1.4%	1.4%	1.3%
Yankton	541.3	1,147.4	1,249.1	1,347.1	1,533.0	2.5%	1.7%	1.6%	1.5%
Ziebach	24.0	63.6	67.8	72.1	81.0	3.3%	1.3%	1.3%	1.2%
South Dakota	**17,543.3**	**47,609.3**	**53,181.3**	**59,031.8**	**71,554.0**	**3.4%**	**2.2%**	**2.2%**	**2.1%**
U.S.	**8,418,491**	**17,481,744**	**19,507,469**	**21,632,335**	**26,174,973**	**2.5%**	**2.2%**	**2.2%**	**2.0%**

Sources: Kimley-Horn, 2020; Woods & Poole Economics, Inc

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A.6. Per Capita Income

Figure A-5 shows the per capita income trends for South Dakota and the U.S. for historic and baseline years, as well as for the 20-year projection period. All amounts in this section are presented in 2018 dollars as reported by Woods and Poole. As shown, per capita income has increased significantly since 1988 and is anticipated to increase in the future, with U.S. per capita income expected to exceed $250,000 and South Dakota's per capita income expected to exceed $120,000 by 2038.

Figure A-5: Per Capita Income Trends (in 2018 Dollars)
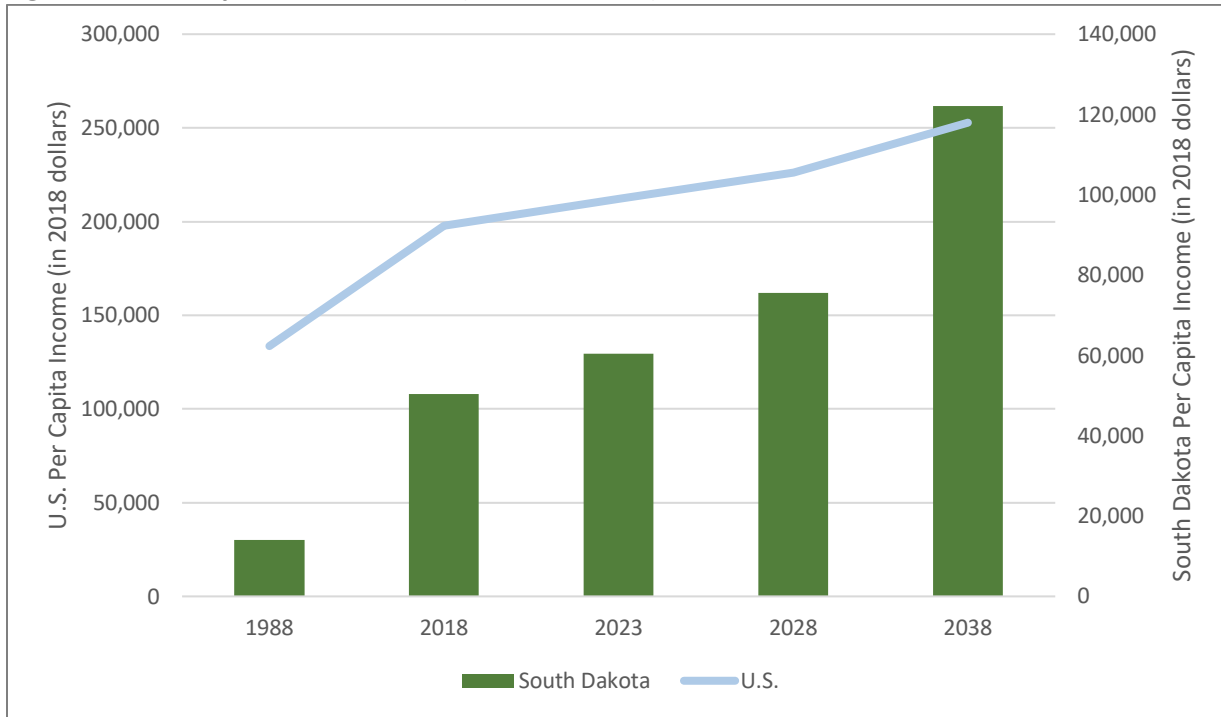
Sources: Kimley-Horn, 2020; Woods & Poole, Economics, Inc

Table A-5 shows the per capita income for each county, the state, and the U.S. As shown, the majority of South Dakota counties are anticipated to experience per capita income growth at a CAGR of four percent or more over the projection period. This results in an overall increase of $71,170 between 2018 and 2038, which corresponds with a CAGR of 4.5 percent. The U.S. per capita income is also expected to increase, but at a lower CAGR of 1.2 percent over the projection period, corresponding to an increase of $55,096 between 2018 and 2038.

Table A-5: Per Capita Income by County (in 2018 Dollars)

County	Historic	Base Year	Projected			CAGR			
	1988	2018	2023	2028	2038	1988-2018	2018-2023	2018-2028	2018-2038
Aurora	$10,167	$54,733	$65,928	$82,901	$135,933	5.8%	3.8%	4.2%	4.7%
Beadle	$15,084	$53,050	$63,820	$80,135	$130,748	4.3%	3.8%	4.2%	4.6%
Bennett	$9,377	$38,018	$46,001	$57,914	$93,356	4.8%	3.9%	4.3%	4.6%
Bon Homme	$13,101	$41,063	$49,284	$62,010	$103,862	3.9%	3.7%	4.2%	4.7%

County	Historic	Base Year	Projected			CAGR			
	1988	2018	2023	2028	2038	1988-2018	2018-2023	2018-2028	2018-2038
Brookings	$12,676	$46,224	$55,626	$69,806	$113,805	4.4%	3.8%	4.2%	4.6%
Brown	$14,943	$54,656	$65,392	$81,619	$131,083	4.4%	3.7%	4.1%	4.5%
Brule	$11,772	$50,607	$60,855	$76,433	$124,444	5.0%	3.8%	4.2%	4.6%
Buffalo	$8,796	$29,948	$35,980	$45,120	$72,978	4.2%	3.7%	4.2%	4.6%
Butte	$11,505	$38,252	$45,584	$56,604	$89,329	4.1%	3.6%	4.0%	4.3%
Campbell	$13,379	$50,622	$60,588	$75,616	$121,338	4.5%	3.7%	4.1%	4.5%
Charles Mix	$11,666	$45,099	$53,793	$66,962	$106,376	4.6%	3.6%	4.0%	4.4%
Clark	$13,779	$60,161	$72,409	$90,918	$148,411	5.0%	3.8%	4.2%	4.6%
Clay	$12,325	$47,684	$57,512	$72,357	$118,002	4.6%	3.8%	4.3%	4.6%
Codington	$14,129	$48,696	$58,699	$73,806	$120,322	4.2%	3.8%	4.2%	4.6%
Corson	$8,055	$32,015	$38,308	$47,751	$75,436	4.7%	3.7%	4.1%	4.4%
Custer	$13,379	$45,853	$54,417	$67,301	$105,353	4.2%	3.5%	3.9%	4.2%
Davison	$14,320	$54,485	$65,505	$82,222	$133,907	4.6%	3.8%	4.2%	4.6%
Day	$11,472	$50,378	$61,191	$77,483	$127,561	5.1%	4.0%	4.4%	4.8%
Deuel	$11,184	$53,864	$65,205	$82,280	$135,298	5.4%	3.9%	4.3%	4.7%
Dewey	$9,191	$39,414	$47,248	$59,053	$93,952	5.0%	3.7%	4.1%	4.4%
Douglas	$10,971	$60,468	$73,019	$92,103	$151,659	5.9%	3.8%	4.3%	4.7%
Edmunds	$11,334	$53,241	$63,649	$79,381	$127,415	5.3%	3.6%	4.1%	4.5%
Fall River	$13,745	$46,002	$55,223	$69,212	$110,581	4.1%	3.7%	4.2%	4.5%
Faulk County	$12,641	$56,947	$64,536	$76,909	$116,680	5.1%	2.5%	3.1%	3.7%
Grant	$13,064	$49,474	$61,020	$78,464	$133,305	4.5%	4.3%	4.7%	5.1%
Gregory	$11,870	$45,191	$55,480	$71,249	$123,615	4.6%	4.2%	4.7%	5.2%
Haakon	$14,154	$70,494	$85,009	$107,053	$176,159	5.5%	3.8%	4.3%	4.7%
Hamlin	$11,858	$38,321	$45,240	$56,022	$91,077	4.0%	3.4%	3.9%	4.4%
Hand	$13,692	$62,068	$71,660	$87,178	$138,444	5.2%	2.9%	3.5%	4.1%
Hanson	$9,477	$70,092	$82,749	$101,750	$158,261	6.9%	3.4%	3.8%	4.2%
Harding	$11,545	$62,927	$74,031	$91,673	$150,049	5.8%	3.3%	3.8%	4.4%
Hughes	$15,359	$52,545	$62,920	$78,658	$126,823	4.2%	3.7%	4.1%	4.5%
Hutchinson	$13,472	$58,206	$70,379	$88,847	$146,242	5.0%	3.9%	4.3%	4.7%
Hyde	$12,178	$49,390	$60,014	$75,979	$125,485	4.8%	4.0%	4.4%	4.8%
Jackson	$7,358	$32,761	$39,262	$49,050	$78,134	5.1%	3.7%	4.1%	4.4%
Jerauld	$15,259	$56,869	$70,579	$91,568	$159,412	4.5%	4.4%	4.9%	5.3%
Jones	$14,971	$69,135	$84,089	$106,968	$179,864	5.2%	4.0%	4.5%	4.9%

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County	Historic 1988	Base Year 2018	Projected 2023	Projected 2028	Projected 2038	CAGR 1988-2018	CAGR 2018-2023	CAGR 2018-2028	CAGR 2018-2038
Kingsbury	$14,273	$60,261	$72,782	$91,632	$149,980	4.9%	3.8%	4.3%	4.7%
Lake	$14,557	$55,678	$67,238	$84,662	$138,163	4.6%	3.8%	4.3%	4.6%
Lawrence	$13,811	$46,918	$55,802	$69,240	$109,420	4.2%	3.5%	4.0%	4.3%
Lincoln	$15,871	$59,788	$70,301	$86,285	$135,051	4.5%	3.3%	3.7%	4.2%
Lyman	$13,599	$40,548	$48,105	$59,799	$97,689	3.7%	3.5%	4.0%	4.5%
Marshall	$14,813	$51,500	$62,198	$78,313	$128,178	4.2%	3.8%	4.3%	4.7%
McCook	$13,423	$56,227	$67,874	$85,343	$139,515	4.9%	3.8%	4.3%	4.6%
McPherson	$11,340	$49,347	$58,995	$73,513	$117,213	5.0%	3.6%	4.1%	4.4%
Meade	$22	$28	$30	$32	$35	0.8%	1.2%	1.2%	1.1%
Mellette	$8,904	$35,005	$43,014	$55,149	$94,681	4.7%	4.2%	4.7%	5.1%
Miner	$12,553	$49,557	$60,609	$77,817	$136,549	4.7%	4.1%	4.6%	5.2%
Minnehaha	$16,596	$52,150	$62,630	$78,611	$127,902	3.9%	3.7%	4.2%	4.6%
Moody	$15,877	$48,573	$57,432	$71,377	$117,453	3.8%	3.4%	3.9%	4.5%
Pennington	$15,242	$45,653	$54,325	$67,487	$106,865	3.7%	3.5%	4.0%	4.3%
Perkins	$14,971	$53,504	$61,753	$75,048	$118,703	4.3%	2.9%	3.4%	4.1%
Potter	$19,856	$77,290	$77,414	$77,636	$78,848	4.6%	0.0%	0.0%	0.1%
Roberts	$10,019	$38,356	$46,472	$58,683	$95,721	4.6%	3.9%	4.3%	4.7%
Sanborn	$13,646	$46,333	$56,754	$72,889	$127,417	4.2%	4.1%	4.6%	5.2%
Shannon (Oglala Lakota)	$5,744	$25,715	$31,251	$39,495	$63,008	5.1%	4.0%	4.4%	4.6%
Spink	$15,548	$60,885	$72,989	$91,181	$145,648	4.7%	3.7%	4.1%	4.5%
Stanley	$11,942	$57,849	$68,999	$85,504	$135,253	5.4%	3.6%	4.0%	4.3%
Sully	$18,100	$92,578	$109,882	$136,540	$219,842	5.6%	3.5%	4.0%	4.4%
Todd	$6,593	$26,626	$32,229	$40,585	$64,631	4.8%	3.9%	4.3%	4.5%
Tripp	$12,309	$51,268	$62,783	$80,393	$138,667	4.9%	4.1%	4.6%	5.1%
Turner	$15,676	$55,293	$66,440	$83,132	$134,235	4.3%	3.7%	4.2%	4.5%
Union	$14,645	$89,066	$106,826	$133,949	$219,525	6.2%	3.7%	4.2%	4.6%
Walworth	$12,998	$47,872	$57,517	$72,110	$116,042	4.4%	3.7%	4.2%	4.5%
Yankton	$14,559	$44,018	$52,655	$65,671	$104,761	3.8%	3.6%	4.1%	4.4%
Ziebach	$8,168	$28,025	$31,341	$36,850	$54,288	4.2%	2.3%	2.8%	3.4%
South Dakota	**$13,980**	**$50,430**	**$60,431**	**$75,603**	**$122,150**	**4.4%**	**3.7%**	**4.1%**	**4.5%**
U.S.	**$133,564**	**$197,685**	**$211,999**	**$226,065**	**$252,781**	**1.3%**	**1.4%**	**1.4%**	**1.2%**

Sources: Kimley-Horn, 2020; Woods & Poole, Economics, Inc

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