

3.0 POPULATION AND EMPLOYMENT PROJECTIONS

Population and employment projections are important elements in the impact fee process. Water demands depend on the residential population and commercial development served by the distribution system and determine the sizing and location of system infrastructure. For the impact fee update, populations are projected for years 2017, 2027 and 2037. FNI utilized data from wholesale customer surveys, the Fort Worth Planning and Development Department and North Central Texas Council of Governments (NCTCOG) projections to determine the population and employment projections for the City of Fort Worth and its customers for the planning periods of 2017, 2027 and 2037.

3.1 CITY OF FORT WORTH PROJECTIONS

FNI utilized NCTCOG data, along with data from the City of Fort Worth Planning and Development Department, to develop population projections for the 2017, 2027 and 2037 planning periods. **Table 3-1** shows the City’s population and employment projections and annual growth rate for each 10-year period.

Table 3-1 City of Fort Worth Retail Population and Employment Projections

Year	Population		Employment	
	Amount	Annual Growth Rate*	Amount	Annual Growth Rate*
2017	825,967	--	550,117	--
2027	1,026,780	2.2%	679,901	2.1%
2037	1,209,197	1.6%	809,687	1.8%

*Annual Growth Rate is based on information from NCTCOG and the Fort Worth Planning and Development Department

The retail population is projected to annually increase 2.2% from 2017 to 2027 and 1.6% from 2027 to 2037. The retail employment is projected to annually increase 2.1% from 2017 to 2027 and 1.8% from 2027 to 2037.

3.2 WHOLESALE CUSTOMERS

Surveys were sent out by the City of Fort Worth to each wholesale customer to provide population and employment projections for each planning period. Wholesale customers were contacted with follow-up emails or phone calls if no survey was returned by the requested due date. If no survey was returned, FNI used projection information from NCTCOG to estimate population and employment. The wholesale customer surveys received by FNI can be found in **Appendix B**. The completed surveys were compared to NCTCOG projections to check for validity and consistency. Adjustments were made to population and employment projections where necessary. **Table 3-2** summarizes the total served wholesale customer population and employment projections.

Table 3-2 Wholesale Customer Service Population and Employment Projections

Year	Population		Employment	
	Amount	Annual Growth Rate*	Amount	Annual Growth Rate*
2017	392,163	--	201,803	--
2027	462,435	1.7%	245,018	2.0%
2037	537,782	1.5%	292,729	1.8%

*Annual Growth Rate is based on information from NCTCOG, Fort Worth Wastewater Master Plan, and Wholesale Customer Surveys

The served wholesale population is projected to annually increase 1.7% from 2017 to 2027 and 1.5% from 2027 to 2037. The served wholesale employment is projected to annually increase 2.0% from 2017 to 2027 and 1.8% from 2027 to 2037. Detailed service population and employment projections broken down by each wholesale customer can be found in **Appendix C**.

3.3 TOTAL WATER SERVICE AREA

Table 3-3 shows the combined population and employment projections for the City of Fort Worth and its wholesale customer cities. The population is projected to annually increase 2.0% from 2017 to 2027 and 1.6% from 2027 to 2037. The employment is projected to annually increase 2.1% from 2017 to 2027 and 1.8% from 2027 to 2037.

Table 3-3 Total Water Service Area Population and Employment Projections

	Population			Employment		
	2017	2027	2037	2017	2027	2037
City of Fort Worth	825,967	1,026,780	1,209,197	550,117	679,901	809,687
Wholesale Customers	392,163	462,435	537,782	201,803	245,018	292,729
TOTAL	1,218,130	1,489,215	1,746,979	751,920	924,919	1,102,416
Annual Growth Rate*	--	2.0%	1.6%	--	2.1%	1.8%

*Annual Growth Rate is based on information from NCTCOG, the Fort Worth Planning and Development Department and Wholesale Customer Surveys