

APPENDIX 11A

*IMPLEMENTATION SURVEY TEMPLATE FOR 2011 REGION K PLAN
PROJECTS*

**Table 11A.1 - Summary of TWDB Template Containing Survey Results of
Implementation Status of Water Management Strategies from the 2011
Region K Water Plan**

**Table 11A.2 - Full TWDB Template Containing Survey Results of Implementation
Status of Water Management Strategies from the 2011 Region K Water
Plan**

Table 11A.1: Summary of TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor	Recommended Water Management Strategy	Capital Cost	SS2010	Project Description	Infrastructure Type*	At what level of Implementation is the project?*	If not implemented, why?*	Initial Volume of Water Provided (acft/yr)	Funds Expended to Date (\$)	Year the Project is Online?*	Is this a phased project?*	(Phased) Ultimate Volume (acft/yr)	(Phased) Ultimate Project Cost (\$)	Year project reaches maximum capacity?*	What is the project funding source(s)?*	Included in the 2016 Plan?*
AQUA WSC	Additional municipal conservation	\$0	0	Conservation- Municipal Conservation-Industrial	Other	Currently Operating		n/a	\$0	2011	No			2070	Unknown	Yes
AQUA WSC	Drought management	\$0	0	Conservation - Voluntary Irrigation Measures (Residential and Commercial)	No Infrastructure	Currently Operating		n/a	\$0	2011	Yes	n/a		2060	Other	Yes
AQUA WSC	Expansion of Carrizo-Wilcox Aquifer	\$6,248,640	0	Groundwater Expansion	Wells	Not Implemented	Too soon		\$0							Yes
AUSTIN	City of Austin conservation	\$0	11,030	Conservation - Municipal	Other	Currently Operating		11,030		2011	Yes	36,370	\$0	2070		Yes
AUSTIN	City of Austin direct reuse (municipal and manufacturing)	\$302,250,510	5,143	Direct Reuse	Pipeline	Currently Operating		5,143		2011	Yes	40,468	\$228,113,592	2070		Yes
AUSTIN	City of Austin direct reuse (steam-electric)	\$302,250,510	2,315	Direct Reuse	Pipeline	Currently Operating		2,315		2011	Yes	13,315	\$74,136,918	2070		Yes
AUSTIN	City of Austin return flows	\$0	27,188	accessing return flows in system	No Infrastructure	Currently Operating		27,188	\$0	2011	Yes	39,528	0	2070		Yes
AUSTIN	Downstream return flows	\$0	0	accessing return flows in system	No Infrastructure	Not Implemented	Too soon				Yes	2,375	0	2070		No
BARTON CREEK WEST WSC	Municipal conservation	\$0	37	Conservation - Municipal	Other	Currently Operating		n/a		2011	Yes			2060		Yes
BARTON CREEK WEST WSC	Purchase water from West Travis County Regional Water Supply	\$0	16	Increased contract	No Infrastructure	Not Implemented	Other									No
BASTROP	Expansion of other aquifer	\$1,721,920	0	Groundwater Expansion	Wells	Not Implemented	Other									No
BASTROP	Municipal conservation	\$0	146	Conservation - Municipal	Other	Currently Operating		n/a		2011	Yes			2060		Yes
BASTROP COUNTY WCID #2	Expansion of Carrizo-Wilcox Aquifer	\$0	0	Groundwater Expansion	Wells	Not Implemented	Too soon									Yes
BEE CAVE VILLAGE	Municipal conservation	\$0	106	Conservation - Municipal	Other	Currently Operating		n/a		2011	Yes			2060		Yes
BEE CAVE VILLAGE	Purchase water from West Travis County Regional Water Supply	\$0	830	Increased contract	No Infrastructure	Not Implemented	Other									No
BERTRAM	Expansion of Ellenburger-San Saba Aquifer	\$0	0	Groundwater Expansion	No Infrastructure	Not Implemented	Too soon									Yes
BERTRAM	Municipal conservation	\$0	22	Conservation - Municipal	Other	Currently Operating		369.8	\$0	2011	Yes			2060	Unknown	Yes
BRIARCLIFF VILLAGE	Amend LCRA contract	\$0	0	Increased contract	No Infrastructure	Currently Operating		400								No
BRIARCLIFF VILLAGE	Municipal conservation	\$0	16	Conservation - Municipal	Other	Currently Operating				2011	Yes			2060		Yes
BUDA	Development of Carrizo-Wilcox Aquifer	\$6,807,200	0	HCPJA Pipeline	Pipeline	Feasibility Study Ongoing										Yes
BUDA	Development of saline zone of Edwards-Balcones Fault Zone Aquifer	\$1,391,124	0	Groundwater Development	Wells	Feasibility Study Ongoing										Yes
CIMARRON PARK WATER COMPANY	Development of saline zone of Edwards-Balcones Fault Zone Aquifer	\$1,669,349	0	Groundwater Development	Wells	Feasibility Study Ongoing										No
CIMARRON PARK WATER COMPANY	Drought management	\$0	109	Reduction - Voluntary and Mandatory Irrigation Measures (Residential and Commercial)	No Infrastructure	Currently Operating		n/a	\$0	2011	Yes	n/a	n/a	2070	Unknown	No
CIMARRON PARK WATER COMPANY	Municipal conservation	\$0	24	Conservation - Municipal Conservation-Irrigation Conservation - Other	No Infrastructure	Currently Operating		n/a	\$0	2011	Yes	o 106 gpcd	n/a	2070	Unknown	No

Table 11A-1: Summary of TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor	Recommended Water Management Strategy	Capital Cost	SS2010	Project Description	Infrastructure Type*	At what level of Implementation is the project?*	If not implemented, why?*	Initial Volume of Water Provided (acft/yr)	Funds Expended to Date (\$)	Year the Project is Online?*	Is this a phased project?*	(Phased) Ultimate Volume (acft/yr)	(Phased) Ultimate Project Cost (\$)	Year project reaches maximum capacity?*	What is the project funding source(s)?*	Included in the 2016 Plan?*
CIMARRON PARK WATER COMPANY	Water allocation	\$0	17	Water allocation	No Infrastructure	Not Implemented	Other									No
COTTONWOOD SHORES	Amend LCRA contract	\$0	26	Increased contract	No Infrastructure	Currently Operating		495	\$0							Yes
COUNTY-OTHER, BASTROP	Additional municipal conservation	\$0	0	Conservation - Municipal	Other	Not Implemented	Too soon									No
COUNTY-OTHER, BASTROP	Development of Carrizo-Wilcox Aquifer	\$5,434,871	0	Groundwater Development	Wells	Not Implemented	Too soon									No
COUNTY-OTHER, BASTROP	Expansion of Carrizo-Wilcox Aquifer	\$4,280,640	0	Groundwater Development	Wells	Not Implemented	Too soon									Yes
COUNTY-OTHER, BLANCO	Development of Ellenburger-San Saba Aquifer	\$1,977,110	0	Groundwater Development	Wells	Not Implemented	Too soon									No
COUNTY-OTHER, BURNET	Expansion of Ellenburger-San Saba Aquifer	\$8,367,840	0	Groundwater Development	Wells	Not Implemented	Too soon									No
COUNTY-OTHER, BURNET	Expansion of Trinity Aquifer	\$2,029,440	0	Groundwater Development	Wells	Not Implemented	Too soon									No
COUNTY-OTHER, COLORADO	Expansion of Gulf Coast Aquifer	\$0	105	Groundwater Development	Wells	Not Implemented	Too soon									Yes
COUNTY-OTHER, FAYETTE	Expansion of Gulf Coast Aquifer	\$0	0	Groundwater Development	Wells	Not Implemented	Too soon									Yes
COUNTY-OTHER, FAYETTE	Expansion of Sparta Aquifer	\$0	123	Groundwater Development	Wells	Not Implemented	Too soon									No
COUNTY-OTHER, HAYS	Development of saline zone of Edwards-Balcones Fault Zone Aquifer	\$16,693,491	0	Groundwater Development	Wells	Feasibility Study Ongoing										Yes
COUNTY-OTHER, HAYS	Purchase water from City of Austin	\$2,280,200	1,100	Water purchase	Pipeline	All Phases Fully Implemented		1100	n/a	2013						No
COUNTY-OTHER, LLANO	Municipal conservation	\$0	873	Conservation - Municipal	Other	Currently Operating				2012	Yes			2060		No
COUNTY-OTHER, MILLS	Expansion of Trinity Aquifer	\$0	0	Groundwater Development	No Infrastructure	Not Implemented	Too soon									No
CREEDMOOR-MAHA WSC	New LCRA contracts	\$0	0	New water contract	No Infrastructure	Not Implemented	Too soon									Yes
DRIPPING SPRINGS	Amend LCRA contract	\$0	493	Increased contract	No Infrastructure	Not Implemented	Other									No
DRIPPING SPRINGS	Municipal conservation	\$0	81	Conservation - Municipal Conservation-Irrigation	Other	Currently Operating		n/a	\$0	2011	Yes	748	n/a	2070	Unknown	Yes
DRIPPING SPRINGS WSC	Amend LCRA contract	\$0	0	Increased contract	No Infrastructure	Currently Operating		1126	N/A							No
ELGIN	Drought management	\$0	0	Drought Management	No Infrastructure	Currently Operating		n/a								Yes
ELGIN	Expansion of Carrizo-Wilcox Aquifer	\$2,082,880	0	Groundwater Development	Wells	Not Implemented	Too soon									Yes
ELGIN	Municipal conservation	\$0	91	Conservation - Municipal	No Infrastructure	Currently Operating				2011	Yes			2060		No
ELGIN	New LCRA contracts	\$17,556,000	0	New water contract	Water Treatment Plant	Not Implemented	Too soon									Yes
FAYETTE WSC	Development of other aquifer	\$2,887,868	0	Groundwater Development	Wells	Not Implemented	Too soon									No
FAYETTE WSC	Expansion of Gulf Coast Aquifer	\$676,480	0	Groundwater Development	Wells	Not Implemented	Other									No
GOFORTH WSC	Water transfer	\$0	11	Water transfer between basins	No Infrastructure	Currently Operating		11	\$0	2011						No
GOLDTHWAITE	Drought management	\$0	56	Reduction - Voluntary and Mandatory Irrigation Measures (Residential and Commercial)	No Infrastructure	Currently Operating		n/a	\$0	2011	No	1745		2070	Unknown	Yes
GOLDTHWAITE	Expansion of Trinity Aquifer	\$1,352,960	109	2 new GW wells	Wells	All Phases Fully Implemented		68	n/a	2012	No				Unknown	No
GOLDTHWAITE	Goldthwaite Channel Dam	\$1,841,800	300	In-channel dam	Impoundment	Permit Application Submitted/Pending										No
GOLDTHWAITE	Municipal conservation	\$0	47	Conservation - Municipal	Other	Currently Operating		n/a	\$0	2013	Yes	n of 10 gpcd		2070	Unknown	Yes
GOLDTHWAITE	New LCRA contracts	\$0	300	New water contract	No Infrastructure	Not Implemented	Other									No
GRANITE SHOALS	Amend LCRA contract	\$0	0	Increased contract	No Infrastructure	Not Implemented	Too soon									Yes
IRRIGATION, BASTROP	Expansion of Queen City Aquifer	\$0	98	Groundwater Development	Wells	Currently Operating		n/a	\$0	2011						No
IRRIGATION, BASTROP	Temporary drought period use of Queen City Aquifer	\$0	21	Groundwater use beyond the MAG	No Infrastructure	Not Implemented	Other									No

Table 11A-1: Summary of TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor	Recommended Water Management Strategy	Capital Cost	SS2010	Project Description	Infrastructure Type*	At what level of Implementation is the project?*	If not implemented, why?*	Initial Volume of Water Provided (acft/yr)	Funds Expended to Date (\$)	Year the Project is Online?*	Is this a phased project?*	(Phased) Ultimate Volume (acft/yr)	(Phased) Ultimate Project Cost (\$)	Year project reaches maximum capacity?*	What is the project funding source(s)?*	Included in the 2016 Plan?*
IRRIGATION, COLORADO	City of Austin return flows	\$0	1,876	Accessing return flows in system	No Infrastructure	Currently Operating			\$0	2011						Yes
IRRIGATION, COLORADO	Downstream return flows	\$0	0	Accessing return flows in system	No Infrastructure	Not Implemented	Too soon									No
IRRIGATION, COLORADO	Irrigation district conveyance improvements	\$0	0	Irrigation Conservation	Other	Currently Operating		3430		2011						Yes
IRRIGATION, FAYETTE	Expansion of Sparta Aquifer	\$0	20	Groundwater Development	Wells	Not Implemented	Other									No
IRRIGATION, MATAGORDA	City of Austin return flows	\$0	16,728	Accessing return flows in system	No Infrastructure	Currently Operating			\$0	2011						Yes
IRRIGATION, MATAGORDA	Downstream return flows	\$0	0	Accessing return flows in system	No Infrastructure	Not Implemented	Too soon									No
IRRIGATION, MATAGORDA	House Bill 1437 on-farm conservation	\$3,207,034	0	On-farm conservation	Other	Not Implemented	Too soon									No
IRRIGATION, MATAGORDA	Irrigation district conveyance improvements	\$0	0	Irrigation Conservation	Other	Currently Operating		4900		2011						Yes
IRRIGATION, MILLS	Expansion of Trinity Aquifer	\$0	289	Groundwater Development	Wells	Currently Operating		667	n/a	2011						Yes
IRRIGATION, MILLS	Water allocation	\$0	50	Reallocation of supplies	No Infrastructure	Currently Operating		50	\$0	2011						No
IRRIGATION, WHARTON	City of Austin return flows	\$0	61	Accessing return flows in system	No Infrastructure	Currently Operating			\$0	2011						Yes
IRRIGATION, WHARTON	Downstream return flows	\$0	0	Accessing return flows in system	No Infrastructure	Not Implemented	Too soon									No
IRRIGATION, WHARTON	House Bill 1437 on-farm conservation	\$610,863	4,000	On-farm conservation	Other	Sponsor Has Taken Official Action to Initiate Project										No
IRRIGATION, WHARTON	Irrigation district conveyance improvements	\$0	0	Irrigation Conservation	Other	Currently Operating		1470	n/a	2011						Yes
JONESTOWN	Amend LCRA contract	\$0	129	Increased contract	No Infrastructure	Not Implemented	Other									No
KINGSLAND WSC	Amend LCRA contract	\$0	250	Increased contract	No Infrastructure	Currently Operating		650	\$0	2011						No
LAKE LBJ MUD	Municipal conservation	\$0	135	Conservation - Municipal	Other	Not Implemented	Other									No
LAKEWAY	Amend LCRA contract	\$0	1,285	Increased contract	No Infrastructure	Not Implemented	Too soon									No
LAKEWAY	Municipal conservation	\$0	396	Conservation- Municipal Conservation - Irrigation Conservation - Other Conservation - Industrial	No Infrastructure	Currently Operating		n/a	\$0	2011	Yes	reduction to 176 gpcd		2060	Unknown	Yes
LIVESTOCK, BURNET	Expansion of Trinity Aquifer	\$226,780	23	Groundwater Development	Wells	Not Implemented	Other									No
LIVESTOCK, COLORADO	Expansion of Gulf Coast Aquifer	\$246,500	25	Groundwater Development	Wells	Not Implemented	Other									No
LIVESTOCK, FAYETTE	Development of other aquifer	\$216,920	22	Groundwater Development	Wells	Not Implemented	Other									No
LIVESTOCK, LLANO	Expansion of Hickory Aquifer	\$611,320	62	Groundwater Development	Wells	Not Implemented	Other									No
LIVESTOCK, MATAGORDA	Expansion of Gulf Coast Aquifer	\$552,160	56	Groundwater Development	Wells	Not Implemented	Other									No
LLANO	Development of Ellenburger-San Saba Aquifer	\$3,624,413	478	Groundwater Development	Wells	Not Implemented	Other									No
LLANO	Development of Hickory Aquifer	\$4,697,200	512	Groundwater Development	Wells	Sponsor Has Taken Official Action to Initiate Project										Yes
LLANO	Municipal conservation	\$0	100	Conservation - Municipal	Other	Currently Operating		n/a		2011	Yes			2060		Yes
LOWER COLORADO RIVER AUTHORITY	Amend LCRA contract	\$0	846	Increased contract	No Infrastructure	Currently Operating		n/a		2011	Yes			2060		Yes
LOWER COLORADO RIVER AUTHORITY	Aquifer storage and recovery	\$168,711,000	0	Aquifer Storage and Recovery	Wells	Not Implemented	Too soon									Yes
LOWER COLORADO RIVER AUTHORITY	Conjunctive use of groundwater - includes overdraft	\$0	0	Groundwater Development	No Infrastructure	All Phases Fully Implemented		n/a		2012						No
LOWER COLORADO RIVER AUTHORITY	Development of new rice varieties	\$0	0	Conservation - Irrigation	No Infrastructure	Not Implemented	Other									No
LOWER COLORADO RIVER AUTHORITY	Enhanced municipal and industrial conservation	\$0	0	Conservation - Municipal and Industrial	Other	Currently Operating		2700		2011	Yes			2060		Yes

Table 11A-1: Summary of TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor	Recommended Water Management Strategy	Capital Cost	SS2010	Project Description	Infrastructure Type*	At what level of Implementation is the project?*	If not implemented, why?*	Initial Volume of Water Provided (acft/yr)	Funds Expended to Date (\$)	Year the Project is Online?*	Is this a phased project?*	(Phased) Ultimate Volume (acft/yr)	(Phased) Ultimate Project Cost (\$)	Year project reaches maximum capacity?*	What is the project funding source(s)?*	Included in the 2016 Plan?*
LOWER COLORADO RIVER AUTHORITY	Firm-up run-of-river with off-channel reservoir - LCRA/SAWS project (Region K Component)	\$0	0	Lane City reservoir	Other	Under Construction										Yes
LOWER COLORADO RIVER AUTHORITY	LCRA Water Management Plan interruptible water supply	\$0	255,493	Implementation of water management plan	No Infrastructure	All Phases Fully Implemented				2011						Yes
LOWER COLORADO RIVER AUTHORITY	On-farm conservation	\$0	0	On-farm conservation		Currently Operating		see Irrigation		2011						Yes
LOWER COLORADO RIVER AUTHORITY	Reuse by Highland Lakes communities	\$15,920,000	0	Reuse	Pipeline	Currently Operating		n/a	n/a	2011						No
MANOR	Municipal conservation	\$0	102	Conservation - Municipal	Other	Currently Operating				2011	Yes			2060		No
MANOR	New LCRA contracts	\$0	0	New water contract	No Infrastructure	Not Implemented	Too soon									No
MANUFACTURING, BASTROP	Expansion of Carrizo-Wilcox Aquifer	\$0	8	Groundwater Development	No Infrastructure	Not Implemented	Too soon									Yes
MANUFACTURING, FAYETTE	Expansion of Gulf Coast Aquifer	\$0	0	Groundwater Development	No Infrastructure	Not Implemented	Too soon									Yes
MANUFACTURING, FAYETTE	Expansion of Sparta Aquifer	\$0	45	Groundwater Development	No Infrastructure	Not Implemented	Too soon									No
MANUFACTURING, HAYS	Development of Trinity Aquifer	\$4,084,198	0	Groundwater Development	Wells	Not Implemented	Too soon									No
MANUFACTURING, HAYS	Drought management	\$0	257	Drought Management	No Infrastructure	All Phases Fully Implemented				2011						No
MANUFACTURING, MATAGORDA	Temporary drought period use of Gulf Coast Aquifer	\$0	0	Groundwater Development	No Infrastructure	Not Implemented	Other									No
MANUFACTURING, WHARTON	Expansion of Gulf Coast Aquifer	\$0	0	Groundwater Development	No Infrastructure	Not Implemented	Too soon									No
MANVILLE WSC	New LCRA contracts	\$0	0	New water contract	No Infrastructure	Not Implemented	Too soon									Yes
MARBLE FALLS	Amend LCRA contract	\$0	0	Increased contract	No Infrastructure	Not Implemented										Yes
MARBLE FALLS	Municipal conservation	\$0	199	Conservation - Municipal	Other	Currently Operating		n/a		2011	Yes			2060		Yes
MEADOWLAKES	Amend LCRA contract	\$0	241	Increased contract	No Infrastructure	Not Implemented	Too soon									No
MEADOWLAKES	Municipal conservation	\$0	77	Conservation - Municipal Conservation - Irrigation	Other	Currently Operating		n/a	\$0	2011	Yes			2060	Unknown	Yes
MINING, BASTROP	Expansion of Carrizo-Wilcox Aquifer	\$3,219,360	4,293	Groundwater Development	Wells	Not Implemented	Other									No
MINING, BURNET	Expansion of Ellenburger-San Saba Aquifer	\$6,114,960	681	Groundwater Development	Wells	Not Implemented	Other									Yes
MINING, BURNET	Expansion of Trinity Aquifer	\$0	7	Groundwater Development	No Infrastructure	Currently Operating		246	\$0							No
MINING, COLORADO	Development of other aquifer	\$0	4,269	Groundwater Development	No Infrastructure	Not Implemented	Too soon									No
MINING, COLORADO	Expansion of Gulf Coast Aquifer	\$0	4,300	Groundwater Development	No Infrastructure	Currently Operating		2121	\$0							No
MINING, FAYETTE	Expansion of Gulf Coast Aquifer	\$0	0	Groundwater Development	No Infrastructure	Not Implemented	Too soon									Yes
MOUNTAIN CITY	Drought management	\$0	39	Drought Management	No Infrastructure	All Phases Fully Implemented		n/a	n/a	2011						No
MOUNTAIN CITY	Municipal conservation	\$0	2	Conservation - Municipal	Other	Currently Operating		n/a	n/a	2011						No
PFLUGERVILLE	Amend LCRA contract	\$0	0	Increased contract	No Infrastructure	Not Implemented	Too soon									Yes
PFLUGERVILLE	Municipal conservation	\$0	541	Conservation - Municipal Conservation - Irrigation Conservation - Other	Other	Currently Operating		n/a	\$0	2011	Yes			2060	Unknown	Yes
POLONIA WSC	Expansion of Carrizo-Wilcox Aquifer	\$0	0	Expand supply from groundwater	No Infrastructure	Not Implemented	Too soon									No
RICHLAND SUD	Municipal conservation	\$0	13	Conservation - Municipal	No Infrastructure	Currently Operating		n/a								No
RIVER PLACE ON LAKE AUSTIN	Amend LCRA contract	\$0	438	Increased contract	No Infrastructure	Not Implemented	Other									No

Table 11A-1: Summary of TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor	Recommended Water Management Strategy	Capital Cost	SS2010	Project Description	Infrastructure Type*	At what level of Implementation is the project?*	If not implemented, why?*	Initial Volume of Water Provided (acft/yr)	Funds Expended to Date (\$)	Year the Project is Online?*	Is this a phased project?*	(Phased) Ultimate Volume (acft/yr)	(Phased) Ultimate Project Cost (\$)	Year project reaches maximum capacity?*	What is the project funding source(s)?*	Included in the 2016 Plan?*
RIVER PLACE ON LAKE AUSTIN	Municipal conservation	\$0	132	Conservation - Municipal Conservation- Irrigation	Other	Currently Operating		424	\$0	2011	Yes	339.2		2060	Other	Yes
ROLLINGWOOD	Municipal conservation	\$0	31	Conservation - Municipal	Other	Currently Operating		n/a		2011	Yes			2060		Yes
ROLLINGWOOD	New LCRA contracts	\$0	0	New water contract	No Infrastructure	Not Implemented	Too soon									Yes
ROUND ROCK	House Bill 1437 for Williamson County	\$0	126	Water from BRA	No Infrastructure	Currently Operating		233	n/a							No
ROUND ROCK	Municipal conservation	\$0	32	Conservation - Municipal	Other	Currently Operating		n/a	n/a	2011	Yes			2060		Yes
SCHULENBURG	Expansion of Yegua-Jackson Aquifer	\$0	0	Expand supply from groundwater	No Infrastructure	Not Implemented	Too soon									No
SCHULENBURG	Municipal conservation	\$0	43	Conservation - Municipal	Other	Currently Operating		n/a	n/a	2012	Yes			2060		Yes
SMITHVILLE	Development of Queen City Aquifer	\$4,190,135	0	Groundwater Development	Wells	Not Implemented	Too soon									Yes
SMITHVILLE	Drought management	\$0	0	Drought Management	No Infrastructure	Not Implemented	Too soon									Yes
SMITHVILLE	Expansion of Carrizo-Wilcox Aquifer	\$1,041,440	49	Groundwater Development	Wells	Currently Operating		1018	n/a	2011						No
SMITHVILLE	Municipal conservation	\$0	25	Conservation - Municipal	Other	Currently Operating		n/a	n/a	2012	Yes			2060		Yes
STEAM ELECTRIC POWER, BASTROP	Amend LCRA contract	\$0	0	Increased contract	No Infrastructure	Not Implemented	Too soon									No
STEAM ELECTRIC POWER, FAYETTE	New LCRA contracts	\$0	0	New water contract	No Infrastructure	Not Implemented	Too soon									No
STEAM ELECTRIC POWER, MATAGORDA	Blend brackish surface water in South Texas Project Nuclear Operating Company Reservoir	\$0	0	Blend brackish surface water	No Infrastructure	Not Implemented	Other									Yes
STEAM ELECTRIC POWER, MATAGORDA	City of Austin return flows	\$0	1,000	Accessing return flows in system	No Infrastructure	Currently Operating		n/a								Yes
STEAM ELECTRIC POWER, MATAGORDA	Downstream return flows	\$0	0	Accessing return flows in system	No Infrastructure	Not Implemented	Too soon									No
STEAM ELECTRIC POWER, MATAGORDA	Expand supply from South Texas Project Nuclear Operating Company Reservoir	\$0	193	Expand supply from reservoir	No Infrastructure	Not Implemented	Other									No
STEAM ELECTRIC POWER, MATAGORDA	New LCRA contracts	\$0	0	New water contract	No Infrastructure	Not Implemented	Other									No
STEAM ELECTRIC POWER, MATAGORDA	Water right permit amendment	\$0	0	Water right permit amendment	No Infrastructure	Permit Application Submitted/Pending										Yes
STEAM ELECTRIC POWER, WHARTON	Development of Gulf Coast Aquifer	\$164,000	0	Groundwater Development	Wells	Not Implemented	Too soon									Yes
TRAVIS COUNTY WCID #18	Amend LCRA contract	\$0	0	Increased contract	No Infrastructure	Currently Operating		1736	\$0							No
WEST LAKE HILLS	Municipal conservation	\$0	139	Conservation - Municipal	Other	Currently Operating		n/a		2011	Yes			2060		Yes
WEST LAKE HILLS	New LCRA contracts	\$0	0	New water contract	No Infrastructure	Not Implemented	Too soon									Yes
WEST TRAVIS COUNTY REGIONAL WS	Municipal conservation	\$0	17	Conservation - Municipal	Other	Not Implemented	Other									No
WHARTON	Municipal conservation	\$0	41	Conservation - Municipal	No Infrastructure	Currently Operating		n/a	\$0	2011	Yes			2070	Unknown	Yes
WINDERMERE UTILITY COMPANY	New LCRA contracts	\$0	0	New water contract	No Infrastructure	Not Implemented	Too soon		\$0							No

THIS PAGE LEFT BLANK INTENTIONALLY

Table 11A.2: Full TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor Region	WMS Sponsor Entity Id	Sponsor	Recommended Water Management Strategy	DB Project Id	Capital Cost	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060	Y denotes strategies with supply volumes included in other strategies	Project Description	Infrastructure Type*	At what level of Implementation is the project?*	If not implemented, why?*	Initial Volume of Water Provided (acft/yr)	Funds Expended to Date (\$)	Project Cost (\$) (should include development and construction costs)	Year the Project is Online?*
K	194	AQUA WSC	Additional municipal conservation	756	\$0	0	0	0	122	396	908	N	Conservation- Municipal Conservation-Industrial	Other	Currently Operating		n/a	\$0		2011
K	194	AQUA WSC	Drought management	757	\$0	0	0	0	0	0	898	N	Conservation - Voluntary Irrigation Measures (Residential and Commercial)	No Infrastructure	Currently Operating		n/a	\$0	\$0	2011
K	194	AQUA WSC	Expansion of Carrizo-Wilcox Aquifer	350	\$6,248,640	0	0	602	3,709	6,109	7,850	N	Groundwater Expansion	Wells	Not Implemented	Too soon		\$0		
K	7	AUSTIN	City of Austin conservation	344	\$0	11,030	18,795	24,036	25,385	30,401	36,370	N	Conservation - Municipal	Other	Currently Operating		11,030			2011
K	7	AUSTIN	City of Austin direct reuse (municipal and manufacturing)	403	\$302,250,510	5,143	13,620	22,077	30,268	36,218	40,468	N	Direct Reuse	Pipeline	Currently Operating		5,143			2011
K	7	AUSTIN	City of Austin direct reuse (steam-electric)	404	\$302,250,510	2,315	3,315	7,315	8,315	12,315	13,315	N	Direct Reuse	Pipeline	Currently Operating		2,315			2011
K	7	AUSTIN	City of Austin return flows	384	\$0	27,188	24,954	25,962	33,549	33,263	39,528	N	accessing return flows in system	No Infrastructure	Currently Operating		27,188	\$0	0	2011
K	7	AUSTIN	Downstream return flows	386	\$0	0	0	238	950	1,781	2,375	N	accessing return flows in system	No Infrastructure	Not Implemented	Too soon				
K	221	BARTON CREEK WEST WSC	Municipal conservation	220	\$0	37	68	97	123	147	163	N	Conservation - Municipal	Other	Currently Operating		n/a			2011
K	221	BARTON CREEK WEST WSC	Purchase water from West Travis County Regional Water Supply	629	\$0	16	0	0	0	0	0	N	Increased contract	No Infrastructure	Not Implemented	Other				
K	224	BASTROP	Expansion of other aquifer	365	\$1,721,920	0	416	777	1,366	2,017	2,814	N	Groundwater Expansion	Wells	Not Implemented	Other				
K	224	BASTROP	Municipal conservation	220	\$0	146	396	755	1,224	1,438	1,728	N	Conservation - Municipal	Other	Currently Operating		n/a			2011
K	225	BASTROP COUNTY WCID #2	Expansion of Carrizo-Wilcox Aquifer	350	\$0	0	0	0	0	0	144	N	Groundwater Expansion	Wells	Not Implemented	Too soon				
K	233	BEE CAVE VILLAGE	Municipal conservation	220	\$0	106	247	417	600	778	965	N	Conservation - Municipal	Other	Currently Operating		n/a			2011
K	233	BEE CAVE VILLAGE	Purchase water from West Travis County Regional Water Supply	629	\$0	830	925	989	1,015	990	958	N	Increased contract	No Infrastructure	Not Implemented	Other				
K	245	BERTRAM	Expansion of Ellenburger-San Saba	354	\$0	0	0	0	0	0	24	N	Groundwater Expansion	No Infrastructure	Not Implemented	Too soon				
K	245	BERTRAM	Municipal conservation	220	\$0	22	54	80	91	96	106	N	Conservation - Municipal	Other	Currently Operating		369.8	\$0		2011
K	289	BRIARCLIFF VILLAGE	Amend LCRA contract	348	\$0	0	0	0	21	47	74	N	Increased contract	No Infrastructure	Currently Operating		400			
K	289	BRIARCLIFF VILLAGE	Municipal conservation	220	\$0	16	39	61	66	70	75	N	Conservation - Municipal	Other	Currently Operating					2011
K	307	BUDA	Development of Carrizo-Wilcox	367	\$6,807,200	0	1,687	1,687	1,687	1,687	1,687	N	HCPUA Pipeline	Pipeline	Feasibility Study Ongoing					
K	307	BUDA	Development of saline zone of Edwards-Balcones Fault Zone Aquifer	788	\$1,391,124	0	0	0	0	0	500	N	Groundwater Development	Wells	Feasibility Study Ongoing					
K	356	CIMARRON PARK WATER COMPANY	Development of saline zone of Edwards-Balcones Fault Zone Aquifer	788	\$1,669,349	0	0	250	350	500	600	N	Groundwater Development	Wells	Feasibility Study Ongoing					
K	356	CIMARRON PARK WATER COMPANY	Drought management	757	\$0	109	109	109	109	109	109	N	Conservation - Municipal Conservation-Irrigation Conservation - Other	No Infrastructure	Currently Operating		n/a	\$0		2011
K	356	CIMARRON PARK WATER COMPANY	Municipal conservation	220	\$0	24	17	13	9	5	7	N	Conservation - Municipal Conservation-Irrigation Conservation - Other	No Infrastructure	Currently Operating		n/a	\$0		2011

Table 11A-2: Full TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor Region	WMS Sponsor Entity Id	Sponsor	Recommended Water Management Strategy	DB Project Id	Capital Cost	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060	Y denotes strategies with supply volumes included in other strategies	Project Description	Infrastructure Type*	At what level of Implementation is the project?*	If not implemented, why?*	Initial Volume of Water Provided (acft/yr)	Funds Expended to Date (\$)	Project Cost (\$) (should include development and construction costs)	Year the Project is Online?*
K	356	CIMARRON PARK WATER COMPANY	Water allocation	450	\$0	17	110	0	0	0	0	N	Water allocation	No Infrastructure	Not Implemented	Other				
K	409	COTTONWOOD SHORES	Amend LCRA contract	348	\$0	26	198	386	601	840	1,130	N	Increased contract	No Infrastructure	Currently Operating		495	\$0	0	
K	422	COUNTY-OTHER, BASTROP	Additional municipal conservation	756	\$0	0	0	0	400	631	936	N	Conservation - Municipal	Other	Not Implemented	Too soon				
K	422	COUNTY-OTHER, BASTROP	Development of Carrizo-Wilcox Aquifer	367	\$5,434,871	0	0	0	0	975	1,246	N	Groundwater Development	Wells	Not Implemented	Too soon				
K	422	COUNTY-OTHER, BASTROP	Expansion of Carrizo-Wilcox Aquifer	350	\$4,280,640	0	663	1,879	3,037	2,922	3,700	N	Groundwater Development	Wells	Not Implemented	Too soon				
K	427	COUNTY-OTHER, BLANCO	Development of Ellenburger-San Saba Aquifer	758	\$1,977,110	0	0	0	0	41	64	N	Groundwater Development	Wells	Not Implemented	Too soon				
K	438	COUNTY-OTHER, BURNET	Expansion of Ellenburger-San Saba Aquifer	354	\$8,367,840	0	0	0	418	804	1,179	N	Groundwater Development	Wells	Not Implemented	Too soon				
K	438	COUNTY-OTHER, BURNET	Expansion of Trinity Aquifer	363	\$2,029,440	0	0	480	480	541	541	N	Groundwater Development	Wells	Not Implemented	Too soon				
K	456	COUNTY-OTHER, COLORADO	Expansion of Gulf Coast Aquifer	355	\$0	105	109	106	97	93	90	N	Groundwater Development	Wells	Not Implemented	Too soon				
K	486	COUNTY-OTHER, FAYETTE	Expansion of Gulf Coast Aquifer	355	\$0	0	0	0	32	25	16	N	Groundwater Development	Wells	Not Implemented	Too soon				
K	486	COUNTY-OTHER, FAYETTE	Expansion of Sparta Aquifer	362	\$0	123	120	19	0	0	0	N	Groundwater Development	Wells	Not Implemented	Too soon				
K	516	COUNTY-OTHER, HAYS	Development of saline zone of Edwards-Balcones Fault Zone Aquifer	788	\$16,693,491	0	250	2,500	2,500	5,000	6,000	N	Groundwater Development	Wells	Feasibility Study Ongoing					
K	516	COUNTY-OTHER, HAYS	Purchase water from City of Austin	374	\$2,280,200	1,100	1,100	1,100	1,100	1,100	1,100	N	Water purchase	Pipeline	All Phases Fully Implemented		1100	n/a		2013
K	561	COUNTY-OTHER, LLANO	Municipal conservation	220	\$0	873	1,150	1,408	1,568	1,724	1,890	N	Conservation - Municipal	Other	Currently Operating					2012
K	578	COUNTY-OTHER, MILLS	Expansion of Trinity Aquifer	363	\$0	0	0	0	0	41	61	N	Groundwater Development	No Infrastructure	Not Implemented	Too soon				
K	670	CREEDMOOR-MAHA WSC	New LCRA contracts	346	\$0	0	431	548	632	715	807	N	New water contract	No Infrastructure	Not Implemented	Too soon				
K	720	DRIPPING SPRINGS	Amend LCRA contract	348	\$0	493	1,073	1,321	1,690	2,133	2,482	N	Increased contract	No Infrastructure	Not Implemented	Other				
K	720	DRIPPING SPRINGS	Municipal conservation	220	\$0	81	277	470	549	661	748	N	Conservation - Municipal	Other	Currently Operating		n/a	\$0		2011
K	721	DRIPPING SPRINGS WSC	Amend LCRA contract	348	\$0	0	0	0	17	213	366	N	Increased contract	No Infrastructure	Currently Operating		1126	N/A	N/A	
K	757	ELGIN	Drought management	757	\$0	0	0	0	0	0	265	N	Drought Management	No Infrastructure	Currently Operating		n/a			
K	757	ELGIN	Expansion of Carrizo-Wilcox Aquifer	350	\$2,082,880	0	525	1,136	2,033	2,735	403	N	Groundwater Development	Wells	Not Implemented	Too soon				
K	757	ELGIN	Municipal conservation	220	\$0	91	79	40	0	0	0	N	Conservation - Municipal	No Infrastructure	Currently Operating					2011
K	757	ELGIN	New LCRA contracts	346	\$17,556,000	0	0	0	0	0	3,000	N	New water contract	Water Treatment Pla	Not Implemented	Too soon				
K	776	FAYETTE WSC	Development of other aquifer	371	\$2,887,868	0	0	79	291	548	889	N	Groundwater Development	Wells	Not Implemented	Too soon				
K	776	FAYETTE WSC	Expansion of Gulf Coast Aquifer	355	\$676,480	0	257	473	491	514	544	N	Groundwater Development	Wells	Not Implemented	Other				
K	843	GOFORTH WSC	Water transfer	447	\$0	11	21	30	37	43	48	N	Water transfer between basins	No Infrastructure	Currently Operating		11	\$0		2011
K	844	GOLDTHWAITE	Drought management	757	\$0	56	56	56	56	56	56	N	Reduction - Voluntary and Mandatory Irrigation Measures (Residential and Commercial)	No Infrastructure	Currently Operating		n/a	\$0		2011
K	844	GOLDTHWAITE	Expansion of Trinity Aquifer	363	\$1,352,960	109	123	232	232	325	288	N	2 new GW wells	Wells	All Phases Fully Implemented		68	n/a		2012
K	844	GOLDTHWAITE	Goldthwaite Channel Dam	380	\$1,841,800	300	300	300	300	300	300	N	In-channel dam	Impoundment	Permit Application Submitted/Pending					
K	844	GOLDTHWAITE	Municipal conservation	220	\$0	47	100	147	187	223	259	N	Conservation - Municipal	Other	Currently Operating		n/a	\$0	n/a	2013
K	844	GOLDTHWAITE	New LCRA contracts	346	\$0	300	300	300	300	300	300	Y	New water contract	No Infrastructure	Not Implemented	Other				
K	857	GRANITE SHOALS	Amend LCRA contract	348	\$0	0	0	0	0	14	95	N	Increased contract	No Infrastructure	Not Implemented	Too soon				
K	989	IRRIGATION, BASTROP	Expansion of Queen City Aquifer	360	\$0	98	40	40	31	24	17	N	Groundwater Development	Wells	Currently Operating		n/a	\$0		2011
K	989	IRRIGATION, BASTROP	Temporary drought period use of Queen City Aquifer	787	\$0	21	10	0	0	0	0	N	Groundwater use beyond the MAG	No Infrastructure	Not Implemented	Other				

Table 11A-2: Full TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor Region	WMS Sponsor Entity Id	Sponsor	Recommended Water Management Strategy	DB Project Id	Capital Cost	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060	Y denotes strategies with supply volumes included in other strategies	Project Description	Infrastructure Type*	At what level of Implementation is the project?*	If not implemented, why?*	Initial Volume of Water Provided (acft/yr)	Funds Expended to Date (\$)	Project Cost (\$) (should include development and construction costs)	Year the Project is Online?*
K	1022	IRRIGATION, COLORADO	City of Austin return flows	384	\$0	1,876	2,206	2,836	3,464	3,790	4,761	N	Accessing return flows in system	No Infrastructure	Currently Operating			\$0		2011
K	1022	IRRIGATION, COLORADO	Downstream return flows	386	\$0	0	0	19	84	168	223	N	Accessing return flows in system	No Infrastructure	Not Implemented	Too soon				
K	1022	IRRIGATION, COLORADO	Irrigation district conveyance improvements	391	\$0	0	22,338	22,338	22,338	22,338	22,338	N	Irrigation Conservation	Other	Currently Operating		3430			2011
K	1051	IRRIGATION, FAYETTE	Expansion of Sparta Aquifer	362	\$0	20	18	16	14	12	10	N	Groundwater Development	Wells	Not Implemented	Other				
K	1131	IRRIGATION, MATAGORDA	City of Austin return flows	384	\$0	16,728	17,360	19,882	24,076	26,290	28,715	N	Accessing return flows in system	No Infrastructure	Currently Operating			\$0		2011
K	1131	IRRIGATION, MATAGORDA	Downstream return flows	386	\$0	0	0	193	761	1,413	1,883	N	Accessing return flows in system	No Infrastructure	Not Implemented	Too soon				
K	1131	IRRIGATION, MATAGORDA	House Bill 1437 on-farm conservation	399	\$3,207,034	0	0	0	0	10,800	21,000	N	On-farm conservation	Other	Not Implemented	Too soon				
K	1131	IRRIGATION, MATAGORDA	Irrigation district conveyance improvements	391	\$0	0	15,250	15,250	15,250	15,250	15,250	N	Irrigation Conservation	Other	Currently Operating		4900			2011
K	1137	IRRIGATION, MILLS	Expansion of Trinity Aquifer	363	\$0	289	275	241	180	193	186	N	Groundwater Development	Wells	Currently Operating		667	n/a		2011
K	1137	IRRIGATION, MILLS	Water allocation	450	\$0	50	0	0	0	0	0	N	Reallocation of supplies	No Infrastructure	Currently Operating		50	\$0		2011
K	1205	IRRIGATION, WHARTON	City of Austin return flows	384	\$0	61	121	182	241	302	362	N	Accessing return flows in system	No Infrastructure	Currently Operating			\$0		2011
K	1205	IRRIGATION, WHARTON	Downstream return flows	386	\$0	0	0	1	5	13	19	N	Accessing return flows in system	No Infrastructure	Not Implemented	Too soon				
K	1205	IRRIGATION, WHARTON	House Bill 1437 on-farm conservation	399	\$610,863	4,000	4,000	4,000	4,000	4,000	4,000	N	On-farm conservation	Other	Sponsor Has Taken Official Action to Initiate Project					
K	1205	IRRIGATION, WHARTON	Irrigation district conveyance improvements	391	\$0	0	27,412	27,412	27,412	27,412	27,412	N	Irrigation Conservation	Other	Currently Operating		1470	n/a		2011
K	1240	JONESTOWN	Amend LCRA contract	348	\$0	129	233	329	416	481	554	N	Increased contract	No Infrastructure	Not Implemented	Other				
K	1266	KINGSLAND WSC	Amend LCRA contract	348	\$0	250	251	252	253	254	257	N	Increased contract	No Infrastructure	Currently Operating		650	\$0	0	2011
K	1294	LAKE LBJ MUD	Municipal conservation	220	\$0	135	290	420	541	666	777	N	Conservation - Municipal	Other	Not Implemented	Other				
K	1302	LAKEWAY	Amend LCRA contract	348	\$0	1,285	1,675	1,934	2,041	2,041	2,041	N	Increased contract	No Infrastructure	Not Implemented	Too soon				
K	1302	LAKEWAY	Municipal conservation	220	\$0	396	938	1,579	2,297	3,017	3,765	N	Conservation- Municipal Conservation - Irrigation Conservation - Other Conservation - Industrial	No Infrastructure	Currently Operating		n/a	\$0		2011
K	1358	LIVESTOCK, BURNET	Expansion of Trinity Aquifer	363	\$226,780	23	23	23	23	23	23	N	Groundwater Development	Wells	Not Implemented	Other				
K	1376	LIVESTOCK, COLORADO	Expansion of Gulf Coast Aquifer	355	\$246,500	25	25	25	25	25	25	N	Groundwater Development	Wells	Not Implemented	Other				
K	1406	LIVESTOCK, FAYETTE	Development of other aquifer	371	\$216,920	22	22	22	22	22	22	N	Groundwater Development	Wells	Not Implemented	Other				
K	1481	LIVESTOCK, LLANO	Expansion of Hickory Aquifer	357	\$611,320	62	62	62	62	62	62	N	Groundwater Development	Wells	Not Implemented	Other				
K	1492	LIVESTOCK, MATAGORDA	Expansion of Gulf Coast Aquifer	355	\$552,160	56	56	56	56	56	56	N	Groundwater Development	Wells	Not Implemented	Other				
K	1587	LLANO	Development of Ellenburger-San Saba Aquifer	369	\$3,624,413	478	478	478	478	478	478	N	Groundwater Development	Wells	Not Implemented	Other				
K	1587	LLANO	Development of Hickory Aquifer	878	\$4,697,200	512	488	406	331	261	196	N	Groundwater Development	Wells	Sponsor Has Taken Official Action to Initiate Project					
K	1587	LLANO	Municipal conservation	220	\$0	100	205	299	383	468	558	N	Conservation - Municipal	Other	Currently Operating		n/a			2011
K	87	LOWER COLORADO RIVER AUTHORITY	Amend LCRA contract	348	\$0	846	925	989	1,015	990	958	N	Increased contract	No Infrastructure	Currently Operating		n/a			2011
K	87	LOWER COLORADO RIVER AUTHORITY	Aquifer storage and recovery	808	\$168,711,000	0	0	0	10,000	10,000	10,000	N	Aquifer Storage and Recovery	Wells	Not Implemented	Too soon				
K	87	LOWER COLORADO RIVER AUTHORITY	Conjunctive use of groundwater - includes overdraft	392	\$0	0	62,000	62,000	62,000	62,000	62,000	N	Groundwater Development	No Infrastructure	All Phases Fully Implemented		n/a			2012
K	87	LOWER COLORADO RIVER AUTHORITY	Development of new rice varieties	395	\$0	0	40,800	40,800	40,800	40,800	40,800	N	Conservation - Irrigation	No Infrastructure	Not Implemented	Other				
K	87	LOWER COLORADO RIVER AUTHORITY	Enhanced municipal and industrial conservation	806	\$0	0	0	2,000	10,000	20,000	20,000	N	Conservation - Municipal and Industrial	Other	Currently Operating		2700			2011

Table 11A-2: Full TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor Region	WMS Sponsor Entity Id	Sponsor	Recommended Water Management Strategy	DB Project Id	Capital Cost	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060	Y denotes strategies with supply volumes included in other strategies	Project Description	Infrastructure Type*	At what level of Implementation is the project?*	If not implemented, why?*	Initial Volume of Water Provided (acft/yr)	Funds Expended to Date (\$)	Project Cost (\$) (should include development and construction costs)	Year the Project is Online?*
K	87	LOWER COLORADO RIVER AUTHORITY	Firm-up run-of-river with off-channel reservoir - LCRA/SAWS project (Region K Component)	398	\$0	0	0	0	0	0	47,000	N	Lane City reservoir	Other	Under Construction					
K	87	LOWER COLORADO RIVER AUTHORITY	LCRA Water Management Plan interruptible water supply	387	\$0	255,493	196,568	137,643	78,718	19,793	0	N	Implementation of water management plan	No Infrastructure	All Phases Fully Implemented					2011
K	87	LOWER COLORADO RIVER AUTHORITY	On-farm conservation	388	\$0	0	34,150	34,150	34,150	34,150	34,150	N	On-farm conservation		Currently Operating		see Irrigation			2011
K	87	LOWER COLORADO RIVER AUTHORITY	Reuse by Highland Lakes communities	807	\$15,920,000	0	500	2,000	5,000	5,000	5,000	N	Reuse	Pipeline	Currently Operating		n/a	n/a		2011
K	1620	MANOR	Municipal conservation	220	\$0	102	235	393	490	522	557	N	Conservation - Municipal	Other	Currently Operating					2011
K	1620	MANOR	New LCRA contracts	346	\$0	0	705	780	900	1,030	1,160	N	New water contract	No Infrastructure	Not Implemented	Too soon				
K	1627	MANUFACTURING, BASTROP	Expansion of Carrizo-Wilcox Aquifer	350	\$0	8	17	28	38	46	60	N	Groundwater Development	No Infrastructure	Not Implemented	Too soon				
K	1669	MANUFACTURING, FAYETTE	Expansion of Gulf Coast Aquifer	355	\$0	0	0	0	2	20	43	N	Groundwater Development	No Infrastructure	Not Implemented	Too soon				
K	1669	MANUFACTURING, FAYETTE	Expansion of Sparta Aquifer	362	\$0	45	70	94	115	117	119	N	Groundwater Development	No Infrastructure	Not Implemented	Too soon				
K	1690	MANUFACTURING, HAYS	Development of Trinity Aquifer	370	\$4,084,198	0	0	75	200	301	400	N	Groundwater Development	Wells	Not Implemented	Too soon				
K	1690	MANUFACTURING, HAYS	Drought management	757	\$0	257	257	257	257	257	257	N	Drought Management	No Infrastructure	All Phases Fully Implemented					2011
K	1729	MANUFACTURING, MATAGORDA	Temporary drought period use of Gulf Coast Aquifer	786	\$0	0	0	0	0	0	47	N	Groundwater Development	No Infrastructure	Not Implemented	Other				
K	1786	MANUFACTURING, WHARTON	Expansion of Gulf Coast Aquifer	355	\$0	0	0	0	0	0	8	N	Groundwater Development	No Infrastructure	Not Implemented	Too soon				
K	1797	MANVILLE WSC	New LCRA contracts	346	\$0	0	0	831	2,184	2,584	3,034	N	New water contract	No Infrastructure	Not Implemented	Too soon				
K	1798	MARBLE FALLS	Amend LCRA contract	348	\$0	0	0	56	304	275	248	N	Increased contract	No Infrastructure	Not Implemented					
K	1798	MARBLE FALLS	Municipal conservation	220	\$0	199	510	920	1,415	1,879	2,405	N	Conservation - Municipal	Other	Currently Operating		n/a			2011
K	1821	MEADOWLAKES	Amend LCRA contract	348	\$0	241	382	506	593	593	593	N	Increased contract	No Infrastructure	Not Implemented	Too soon				
K	1821	MEADOWLAKES	Municipal conservation	220	\$0	77	194	351	537	710	897	N	Conservation - Municipal Conservation - Irrigation	Other	Currently Operating		n/a	\$0		2011
K	1852	MINING, BASTROP	Expansion of Carrizo-Wilcox Aquifer	350	\$3,219,360	4,293	4,297	4,298	0	0	0	N	Groundwater Development	Wells	Not Implemented	Other				
K	1867	MINING, BURNET	Expansion of Ellenburger-San Saba Aquifer	354	\$6,114,960	681	756	788	811	829	873	N	Groundwater Development	Wells	Not Implemented	Other				
K	1867	MINING, BURNET	Expansion of Trinity Aquifer	363	\$0	7	10	12	22	24	25	N	Groundwater Development	No Infrastructure	Currently Operating		246	\$0		
K	1883	MINING, COLORADO	Development of other aquifer	371	\$0	4,269	4,269	4,269	4,269	4,269	4,269	N	Groundwater Development	No Infrastructure	Not Implemented	Too soon				
K	1883	MINING, COLORADO	Expansion of Gulf Coast Aquifer	355	\$0	4,300	3,810	2,977	1,842	423	598	N	Groundwater Development	No Infrastructure	Currently Operating		2121	\$0		
K	1908	MINING, FAYETTE	Expansion of Gulf Coast Aquifer	355	\$0	0	4	22	28	29	29	N	Groundwater Development	No Infrastructure	Not Implemented	Too soon				
K	2089	MOUNTAIN CITY	Drought management	757	\$0	39	39	39	39	39	39	N	Drought Management	No Infrastructure	All Phases Fully Implemented		n/a	n/a		2011
K	2089	MOUNTAIN CITY	Municipal conservation	220	\$0	2	0	0	0	0	0	N	Conservation - Municipal	Other	Currently Operating		n/a	n/a		2011
K	2196	PFLUGERVILLE	Amend LCRA contract	348	\$0	0	0	0	0	3	995	N	Increased contract	No Infrastructure	Not Implemented	Too soon				
K	2196	PFLUGERVILLE	Municipal conservation	220	\$0	541	748	810	844	915	986	N	Conservation - Municipal Conservation - Irrigation Conservation - Other	Other	Currently Operating		n/a	\$0		2011
K	2218	POLONIA WSC	Expansion of Carrizo-Wilcox Aquifer	350	\$0	0	2	7	16	23	30	N	Expand supply from groundwater	No Infrastructure	Not Implemented	Too soon				
K	2266	RICHLAND SUD	Municipal conservation	220	\$0	13	22	19	15	14	15	N	Conservation - Municipal	No Infrastructure	Currently Operating		n/a			
K	2278	RIVER PLACE ON LAKE AUSTIN	Amend LCRA contract	348	\$0	438	528	392	268	156	55	N	Increased contract	No Infrastructure	Not Implemented	Other				

Table 11A-2: Full TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor Region	WMS Sponsor Entity Id	Sponsor	Recommended Water Management Strategy	DB Project Id	Capital Cost	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060	Y denotes strategies with supply volumes included in other strategies	Project Description	Infrastructure Type*	At what level of Implementation is the project?*	If not implemented, why?*	Initial Volume of Water Provided (acft/yr)	Funds Expended to Date (\$)	Project Cost (\$) (should include development and construction costs)	Year the Project is Online?*
K	2278	RIVER PLACE ON LAKE AUSTIN	Municipal conservation	220	\$0	132	295	431	549	661	762	N	Conservation - Municipal Conservation- Irrigation	Other	Currently Operating		424	\$0		2011
K	2292	ROLLINGWOOD	Municipal conservation	220	\$0	31	60	85	109	132	143	N	Conservation - Municipal	Other	Currently Operating		n/a			2011
K	2292	ROLLINGWOOD	New LCRA contracts	346	\$0	0	373	373	373	373	373	N	New water contract	No Infrastructure	Not Implemented	Too soon				
K	123	ROUND ROCK	House Bill 1437 for Williamson County	377	\$0	126	246	349	426	536	645	Y	Water from BRA	No Infrastructure	Currently Operating		233	n/a		
K	123	ROUND ROCK	Municipal conservation	220	\$0	32	93	179	243	277	312	N	Conservation - Municipal	Other	Currently Operating		n/a	n/a		2011
K	2337	SCHULENBURG	Expansion of Yegua-Jackson Aquifer	789	\$0	0	0	0	0	0	9	N	Expand supply from groundwater	No Infrastructure	Not Implemented	Too soon				
K	2337	SCHULENBURG	Municipal conservation	220	\$0	43	104	157	159	167	184	N	Conservation - Municipal	Other	Currently Operating		n/a	n/a		2012
K	2367	SMITHVILLE	Development of Queen City Aquifer	768	\$4,190,135	0	0	0	0	0	580	N	Groundwater Development	Wells	Not Implemented	Too soon				
K	2367	SMITHVILLE	Drought management	757	\$0	0	0	0	0	0	288	N	Drought Management	No Infrastructure	Not Implemented	Too soon				
K	2367	SMITHVILLE	Expansion of Carrizo-Wilcox Aquifer	350	\$1,041,440	49	311	526	946	1,115	733	N	Groundwater Development	Wells	Currently Operating		1018	n/a		2011
K	2367	SMITHVILLE	Municipal conservation	220	\$0	25	0	0	0	0	0	N	Conservation - Municipal	Other	Currently Operating		n/a	n/a		2012
K	2403	STEAM ELECTRIC POWER, BASTROP	Amend LCRA contract	348	\$0	0	0	0	1,280	2,780	2,780	N	Increased contract	No Infrastructure	Not Implemented	Too soon				
K	2421	STEAM ELECTRIC POWER, FAYETTE	New LCRA contracts	346	\$0	0	0	0	20,975	20,975	26,885	N	New water contract	No Infrastructure	Not Implemented	Too soon				
K	2452	STEAM ELECTRIC POWER, MATAGORDA	Blend brackish surface water in South Texas Project Nuclear Operating Company Reservoir	804	\$0	0	17,505	17,505	17,505	17,505	17,625	N	Blend brackish surface water	No Infrastructure	Not Implemented	Other				
K	2452	STEAM ELECTRIC POWER, MATAGORDA	City of Austin return flows	384	\$0	1,000	1,000	1,000	1,000	1,000	1,000	N	Accessing return flows in system	No Infrastructure	Currently Operating		n/a			
K	2452	STEAM ELECTRIC POWER, MATAGORDA	Downstream return flows	386	\$0	0	0	9	36	68	90	N	Accessing return flows in system	No Infrastructure	Not Implemented	Too soon				
K	2452	STEAM ELECTRIC POWER, MATAGORDA	Expand supply from South Texas Project Nuclear Operating Company	829	\$0	193	0	0	0	0	0	N	Expand supply from reservoir	No Infrastructure	Not Implemented	Other				
K	2452	STEAM ELECTRIC POWER, MATAGORDA	New LCRA contracts	346	\$0	0	30,000	30,000	30,000	30,000	30,000	N	New water contract	No Infrastructure	Not Implemented	Other				
K	2452	STEAM ELECTRIC POWER, MATAGORDA	Water right permit amendment	803	\$0	0	5,500	5,500	5,500	5,500	5,500	N	Water right permit amendment	No Infrastructure	Permit Application Submitted/Pending					
K	2478	STEAM ELECTRIC POWER, WHARTON	Development of Gulf Coast Aquifer	805	\$164,000	0	0	0	0	0	82	N	Groundwater Development	Wells	Not Implemented	Too soon				
K	2536	TRAVIS COUNTY WCID #18	Amend LCRA contract	348	\$0	0	0	0	4	135	283	N	Increased contract	No Infrastructure	Currently Operating		1736	\$0	0	
K	2599	WEST LAKE HILLS	Municipal conservation	220	\$0	139	303	495	677	870	1,074	N	Conservation - Municipal	Other	Currently Operating		n/a			2011
K	2599	WEST LAKE HILLS	New LCRA contracts	346	\$0	0	1,833	2,049	2,178	2,320	2,471	N	New water contract	No Infrastructure	Not Implemented	Too soon				
K	2602	WEST TRAVIS COUNTY REGIONAL WS	Municipal conservation	220	\$0	17	9	0	0	0	0	N	Conservation - Municipal	Other	Not Implemented	Other				
K	2609	WHARTON	Municipal conservation	220	\$0	41	29	18	8	4	4	N	Conservation - Municipal	No Infrastructure	Currently Operating		n/a	\$0		2011
K	2631	WINDERMERE UTILITY COMPANY	New LCRA contracts	346	\$0	0	2,222	2,201	2,180	2,180	2,180	N	New water contract	No Infrastructure	Not Implemented	Too soon		\$0		

Table 11A-2: Full TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor Region	WMS Sponsor Entity Id	Sponsor	Recommended Water Management Strategy	Is this a phased project?*	(Phased) Ultimate Volume (acft/yr)	(Phased) Ultimate Project Cost (\$)	Year project reaches maximum capacity?*	What is the project funding source(s)?*	Included in the 2016 Plan?*	Comments
K	194	AQUA WSC	Additional municipal conservation	No			2070	Unknown	Yes	Infrastructure Type: Municipal and Industrial Water Audits, Leak Detection/Repairs, Conservation Pricing, Awareness Campaign, and School
K	194	AQUA WSC	Drought management	Yes	n/a		2060	Other	Yes	Residential and Commercial voluntary irrigation measures to reduce daily water demands.
K	194	AQUA WSC	Expansion of Carrizo-Wilcox Aquifer						Yes	
K	7	AUSTIN	City of Austin conservation	Yes	36,370	\$0	2070		Yes	Implemented - On-going
K	7	AUSTIN	City of Austin direct reuse (municipal and manufacturing)	Yes	40,468	\$228,113,592	2070		Yes	Implemented - On-going
K	7	AUSTIN	City of Austin direct reuse (steam-electric)	Yes	13,315	\$74,136,918	2070		Yes	Implemented - On-going
K	7	AUSTIN	City of Austin return flows	Yes	39,528	0	2070		Yes	Implemented - On-going
K	7	AUSTIN	Downstream return flows	Yes	2,375	0	2070		No	Implemented - On-going
K	221	BARTON CREEK WEST WSC	Municipal conservation	Yes			2060		Yes	
K	221	BARTON CREEK WEST WSC	Purchase water from West Travis County Regional Water Supply						No	West Travis County Regional Water System no longer exists
K	224	BASTROP	Expansion of other aquifer						No	Not implemented - looking at Carrizo Wilcox
K	224	BASTROP	Municipal conservation	Yes			2060		Yes	
K	225	BASTROP COUNTY WCID #2	Expansion of Carrizo-Wilcox Aquifer						Yes	
K	233	BEE CAVE VILLAGE	Municipal conservation	Yes			2060		Yes	
K	233	BEE CAVE VILLAGE	Purchase water from West Travis County Regional Water Supply						No	West Travis County Regional Water System no longer exists
K	245	BERTRAM	Expansion of Ellenburger-San Saba						Yes	
K	245	BERTRAM	Municipal conservation	Yes			2060	Unknown	Yes	Infrastructure Type: Leak Detection/Repairs, Conservation Pricing, and Awareness Campaign.
K	289	BRIARCLIFF VILLAGE	Amend LCRA contract						No	Contract increase since last plan
K	289	BRIARCLIFF VILLAGE	Municipal conservation	Yes			2060		Yes	
K	307	BUDA	Development of Carrizo-Wilcox						Yes	
K	307	BUDA	Development of saline zone of Edwards-Balcones Fault Zone Aquifer						Yes	
K	356	CIMARRON PARK WATER COMPANY	Development of saline zone of Edwards-Balcones Fault Zone Aquifer						No	
K	356	CIMARRON PARK WATER COMPANY	Drought management	Yes	n/a	n/a	2070	Unknown	No	Infrastructure type Voluntary Measures: Discontinuation of monthly flushing of water mains, public landscaping irrigation restrictions, residential landscaping irrigation limits, and commercial Irrigation limits. Mandatory Measures: Residential landscaping irrigation restrictions (once a week watering), no outdoor spraying (drip application only), limits on outdoor water use (no water features), prohibition on washing down sidewalks, parking lots and other hard-surface areas, prohibition of flushing gutters, prohibition of water use for washing vehicles, prohibition of applications for new/additional/expanded or increased-in size water service connections/meters/service
K	356	CIMARRON PARK WATER COMPANY	Municipal conservation	Yes	o 106 gpcd	n/a	2070	Unknown	No	Infrastructure type Municipal: water system audits, leak detection/repairs, prohibition on wasting water, conservation pricing, and conservation campaign. School education and water reuse (implemented in August 2008 not currently used) Outdoor water use: Permanent irrigation watering schedule, and outdoor landscape incentives. Landscape irrigation audit requirement, landscape requirements for new development, and irrigation standards (implemented in August 2008 not currently used) Indoor Water use:

Table 11A-2: Full TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor Region	WMS Sponsor Entity Id	Sponsor	Recommended Water Management Strategy	Is this a phased project?*	(Phased) Ultimate Volume (acft/yr)	(Phased) Ultimate Project Cost (\$)	Year project reaches maximum capacity?*	What is the project funding source(s)?*	Included in the 2016 Plan?*	Comments
K	356	CIMARRON PARK WATER COMPANY	Water allocation						No	Contract increase since last plan
K	409	COTTONWOOD SHORES	Amend LCRA contract						Yes	
K	422	COUNTY-OTHER, BASTROP	Additional municipal conservation						No	
K	422	COUNTY-OTHER, BASTROP	Development of Carrizo-Wilcox Aquifer						No	
K	422	COUNTY-OTHER, BASTROP	Expansion of Carrizo-Wilcox Aquifer						Yes	
K	427	COUNTY-OTHER, BLANCO	Development of Ellenburger-San Saba Aquifer						No	
K	438	COUNTY-OTHER, BURNET	Expansion of Ellenburger-San Saba Aquifer						No	
K	438	COUNTY-OTHER, BURNET	Expansion of Trinity Aquifer						No	
K	456	COUNTY-OTHER, COLORADO	Expansion of Gulf Coast Aquifer						Yes	
K	486	COUNTY-OTHER, FAYETTE	Expansion of Gulf Coast Aquifer						Yes	
K	486	COUNTY-OTHER, FAYETTE	Expansion of Sparta Aquifer						No	
K	516	COUNTY-OTHER, HAYS	Development of saline zone of Edwards-Balcones Fault Zone Aquifer						Yes	
K	516	COUNTY-OTHER, HAYS	Purchase water from City of Austin						No	
K	561	COUNTY-OTHER, LLANO	Municipal conservation	Yes			2060		No	
K	578	COUNTY-OTHER, MILLS	Expansion of Trinity Aquifer						No	
K	670	CREEDMOOR-MAHA WSC	New LCRA contracts						Yes	
K	720	DRIPPING SPRINGS	Amend LCRA contract						No	
K	720	DRIPPING SPRINGS	Municipal conservation	Yes	748	n/a	2070	Unknown	Yes	Infrastructure Type Municipal: Leak detection and repair, prohibition on wasting water, and water conservation pricing (implemented March 2013) Outdoor water use: permanent irrigation watering
K	721	DRIPPING SPRINGS WSC	Amend LCRA contract						No	
K	757	ELGIN	Drought management						Yes	
K	757	ELGIN	Expansion of Carrizo-Wilcox Aquifer						Yes	
K	757	ELGIN	Municipal conservation	Yes			2060		No	
K	757	ELGIN	New LCRA contracts						Yes	
K	776	FAYETTE WSC	Development of other aquifer						No	
K	776	FAYETTE WSC	Expansion of Gulf Coast Aquifer						No	
K	843	GOFORTH WSC	Water transfer						No	
K	844	GOLDTHWAITE	Drought management	No	1745		2070	Unknown	Yes	Infrastructure Type Voluntary Measures: a. Discontinuation of monthly flushing of water mains, public landscaping irrigation restrictions, residential landscaping irrigation limits, and commercial irrigation limits. Mandatory Measures: No outdoor spraying, drip application only Other: No outdoor use during 2011 drought *All listed
K	844	GOLDTHWAITE	Expansion of Trinity Aquifer	No				Unknown	No	
K	844	GOLDTHWAITE	Goldthwaite Channel Dam						No	
K	844	GOLDTHWAITE	Municipal conservation	Yes	of 10 gpcd		2070	Unknown	Yes	Infrastructure Type Municipal: leak detection and repair, conservation pricing, conservation campaign, and school
K	844	GOLDTHWAITE	New LCRA contracts						No	
K	857	GRANITE SHOALS	Amend LCRA contract						Yes	
K	989	IRRIGATION, BASTROP	Expansion of Queen City Aquifer						No	
K	989	IRRIGATION, BASTROP	Temporary drought period use of Queen City Aquifer						No	

Table 11A-2: Full TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor Region	WMS Sponsor Entity Id	Sponsor	Recommended Water Management Strategy	Is this a phased project?*	(Phased) Ultimate Volume (acft/yr)	(Phased) Ultimate Project Cost (\$)	Year project reaches maximum capacity?*	What is the project funding source(s)?*	Included in the 2016 Plan?*	Comments
K	1022	IRRIGATION, COLORADO	City of Austin return flows						Yes	
K	1022	IRRIGATION, COLORADO	Downstream return flows						No	
K	1022	IRRIGATION, COLORADO	Irrigation district conveyance improvements						Yes	
K	1051	IRRIGATION, FAYETTE	Expansion of Sparta Aquifer						No	
K	1131	IRRIGATION, MATAGORDA	City of Austin return flows						Yes	
K	1131	IRRIGATION, MATAGORDA	Downstream return flows						No	
K	1131	IRRIGATION, MATAGORDA	House Bill 1437 on-farm conservation						No	
K	1131	IRRIGATION, MATAGORDA	Irrigation district conveyance improvements						Yes	
K	1137	IRRIGATION, MILLS	Expansion of Trinity Aquifer						Yes	
K	1137	IRRIGATION, MILLS	Water allocation						No	
K	1205	IRRIGATION, WHARTON	City of Austin return flows						Yes	
K	1205	IRRIGATION, WHARTON	Downstream return flows						No	
K	1205	IRRIGATION, WHARTON	House Bill 1437 on-farm conservation						No	
K	1205	IRRIGATION, WHARTON	Irrigation district conveyance improvements						Yes	
K	1240	JONESTOWN	Amend LCRA contract						No	
K	1266	KINGSLAND WSC	Amend LCRA contract						No	
K	1294	LAKE LBJ MUD	Municipal conservation						No	
K	1302	LAKEWAY	Amend LCRA contract						No	
K	1302	LAKEWAY	Municipal conservation	Yes	reduction to 176 gpcd		2060	Unknown	Yes	Infrastructure Type Municipal: Water system audits, prohibition on wasting water, and conservation pricing. Outdoor: Permanent irrigation watering schedule. Indoor water use: Incentive program for indoor plumbing retrofit.
K	1358	LIVESTOCK, BURNET	Expansion of Trinity Aquifer						No	
K	1376	LIVESTOCK, COLORADO	Expansion of Gulf Coast Aquifer						No	
K	1406	LIVESTOCK, FAYETTE	Development of other aquifer						No	
K	1481	LIVESTOCK, LLANO	Expansion of Hickory Aquifer						No	
K	1492	LIVESTOCK, MATAGORDA	Expansion of Gulf Coast Aquifer						No	
K	1587	LLANO	Development of Ellenburger-San Saba Aquifer						No	
K	1587	LLANO	Development of Hickory Aquifer						Yes	In process
K	1587	LLANO	Municipal conservation	Yes			2060		Yes	
K	87	LOWER COLORADO RIVER AUTHORITY	Amend LCRA contract	Yes			2060		Yes	
K	87	LOWER COLORADO RIVER AUTHORITY	Aquifer storage and recovery						Yes	
K	87	LOWER COLORADO RIVER AUTHORITY	Conjunctive use of groundwater - includes overdraft						No	
K	87	LOWER COLORADO RIVER AUTHORITY	Development of new rice varieties						No	
K	87	LOWER COLORADO RIVER AUTHORITY	Enhanced municipal and industrial conservation	Yes			2060		Yes	

Table 11A-2: Full TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor Region	WMS Sponsor Entity Id	Sponsor	Recommended Water Management Strategy	Is this a phased project?*	(Phased) Ultimate Volume (acft/yr)	(Phased) Ultimate Project Cost (\$)	Year project reaches maximum capacity?*	What is the project funding source(s)?*	Included in the 2016 Plan?*	Comments
K	87	LOWER COLORADO RIVER AUTHORITY	Firm-up run-of-river with off-channel reservoir - LCRA/SAWS project (Region K Component)						Yes	Reservoir. Construction Underway.
K	87	LOWER COLORADO RIVER AUTHORITY	LCRA Water Management Plan interruptible water supply						Yes	
K	87	LOWER COLORADO RIVER AUTHORITY	On-farm conservation						Yes	
K	87	LOWER COLORADO RIVER AUTHORITY	Reuse by Highland Lakes communities						No	
K	1620	MANOR	Municipal conservation	Yes			2060		No	
K	1620	MANOR	New LCRA contracts						No	
K	1627	MANUFACTURING, BASTROP	Expansion of Carrizo-Wilcox Aquifer						Yes	
K	1669	MANUFACTURING, FAYETTE	Expansion of Gulf Coast Aquifer						Yes	
K	1669	MANUFACTURING, FAYETTE	Expansion of Sparta Aquifer						No	
K	1690	MANUFACTURING, HAYS	Development of Trinity Aquifer						No	
K	1690	MANUFACTURING, HAYS	Drought management						No	
K	1729	MANUFACTURING, MATAGORDA	Temporary drought period use of Gulf Coast Aquifer						No	
K	1786	MANUFACTURING, WHARTON	Expansion of Gulf Coast Aquifer						No	
K	1797	MANVILLE WSC	New LCRA contracts						Yes	
K	1798	MARBLE FALLS	Amend LCRA contract						Yes	
K	1798	MARBLE FALLS	Municipal conservation	Yes			2060		Yes	
K	1821	MEADOWLAKES	Amend LCRA contract						No	
K	1821	MEADOWLAKES	Municipal conservation	Yes			2060	Unknown	Yes	Infrastructure Type Municipal: Leak detection and repairs (implemented 6/2012), conservation pricing, conservation campaign (implemented 10/2012), and water reuse (implemented 1974). Outdoor water use: permanent irrigation watering schedule (implemented 10/2012), and irrigation
K	1852	MINING, BASTROP	Expansion of Carrizo-Wilcox Aquifer						No	
K	1867	MINING, BURNET	Expansion of Ellenburger-San Saba Aquifer						Yes	
K	1867	MINING, BURNET	Expansion of Trinity Aquifer						No	
K	1883	MINING, COLORADO	Development of other aquifer						No	
K	1883	MINING, COLORADO	Expansion of Gulf Coast Aquifer						No	
K	1908	MINING, FAYETTE	Expansion of Gulf Coast Aquifer						Yes	
K	2089	MOUNTAIN CITY	Drought management						No	
K	2089	MOUNTAIN CITY	Municipal conservation						No	
K	2196	PFLUGERVILLE	Amend LCRA contract						Yes	
K	2196	PFLUGERVILLE	Municipal conservation	Yes			2060	Unknown	Yes	Infrastructure Type Municipal: Leak detection and repair (implemented 2001), prohibition on wasting water (implemented 2012), conservation pricing (implemented 2000), awareness campaign (implemented 2011), school education (implemented 2012), and water reuse (implemented 2000). Irrigation: Permanent irrigation watering schedule (implemented 2011), and irrigation standards
K	2218	POLONIA WSC	Expansion of Carrizo-Wilcox Aquifer						No	
K	2266	RICHLAND SUD	Municipal conservation						No	
K	2278	RIVER PLACE ON LAKE AUSTIN	Amend LCRA contract						No	

Table 11A-2: Full TWDB Template Containing Survey Results of Implementation Status of Water Management Strategies from the 2011 Region K Water Plan

Sponsor Region	WMS Sponsor Entity Id	Sponsor	Recommended Water Management Strategy	Is this a phased project?*	(Phased) Ultimate Volume (acft/yr)	(Phased) Ultimate Project Cost (\$)	Year project reaches maximum capacity?*	What is the project funding source(s)?*	Included in the 2016 Plan?*	Comments
K	2278	RIVER PLACE ON LAKE AUSTIN	Municipal conservation	Yes	339.2		2060	Other	Yes	Infrastructure Type Municipal: Water system audits (implemented 07-2013), leak detection and repair (implemented 07-2013), prohibition on wasting water (implemented 09-2013), conservation pricing (implemented 11-2013), conservation campaign (implemented 08-2013), and water reuse (implemented 11-24-1992). Outdoor water use: permanent irrigation watering
K	2292	ROLLINGWOOD	Municipal conservation	Yes			2060		Yes	
K	2292	ROLLINGWOOD	New LCRA contracts						Yes	
K	123	ROUND ROCK	House Bill 1437 for Williamson County						No	
K	123	ROUND ROCK	Municipal conservation	Yes			2060		Yes	
K	2337	SCHULENBURG	Expansion of Yegua-Jackson Aquifer						No	
K	2337	SCHULENBURG	Municipal conservation	Yes			2060		Yes	
K	2367	SMITHVILLE	Development of Queen City Aquifer						Yes	
K	2367	SMITHVILLE	Drought management						Yes	
K	2367	SMITHVILLE	Expansion of Carrizo-Wilcox Aquifer						No	
K	2367	SMITHVILLE	Municipal conservation	Yes			2060		Yes	
K	2403	STEAM ELECTRIC POWER, BASTROP	Amend LCRA contract						No	
K	2421	STEAM ELECTRIC POWER, FAYETTE	New LCRA contracts						No	
K	2452	STEAM ELECTRIC POWER, MATAGORDA	Blend brackish surface water in South Texas Project Nuclear Operating Company Reservoir						Yes	
K	2452	STEAM ELECTRIC POWER, MATAGORDA	City of Austin return flows						Yes	
K	2452	STEAM ELECTRIC POWER, MATAGORDA	Downstream return flows						No	
K	2452	STEAM ELECTRIC POWER, MATAGORDA	Expand supply from South Texas Project Nuclear Operating Company						No	
K	2452	STEAM ELECTRIC POWER, MATAGORDA	New LCRA contracts						No	
K	2452	STEAM ELECTRIC POWER, MATAGORDA	Water right permit amendment						Yes	
K	2478	STEAM ELECTRIC POWER, WHARTON	Development of Gulf Coast Aquifer						Yes	Wellfield
K	2536	TRAVIS COUNTY WCID #18	Amend LCRA contract						No	
K	2599	WEST LAKE HILLS	Municipal conservation	Yes			2060		Yes	
K	2599	WEST LAKE HILLS	New LCRA contracts						Yes	
K	2602	WEST TRAVIS COUNTY REGIONAL WS	Municipal conservation						No	West Travis County Regional Water System no longer exists.
K	2609	WHARTON	Municipal conservation	Yes			2070	Unknown	Yes	Infrastructure Type Municipal: water system audits (implemented 2014), leak detection and repairs, prohibition on wasting water, conservation pricing, and awareness
K	2631	WINDERMERE UTILITY COMPANY	New LCRA contracts						No	

APPENDIX 11B

***COMPARISON TABLES AND GRAPHS FOR POPULATION AND
DEMAND PROJECTIONS***

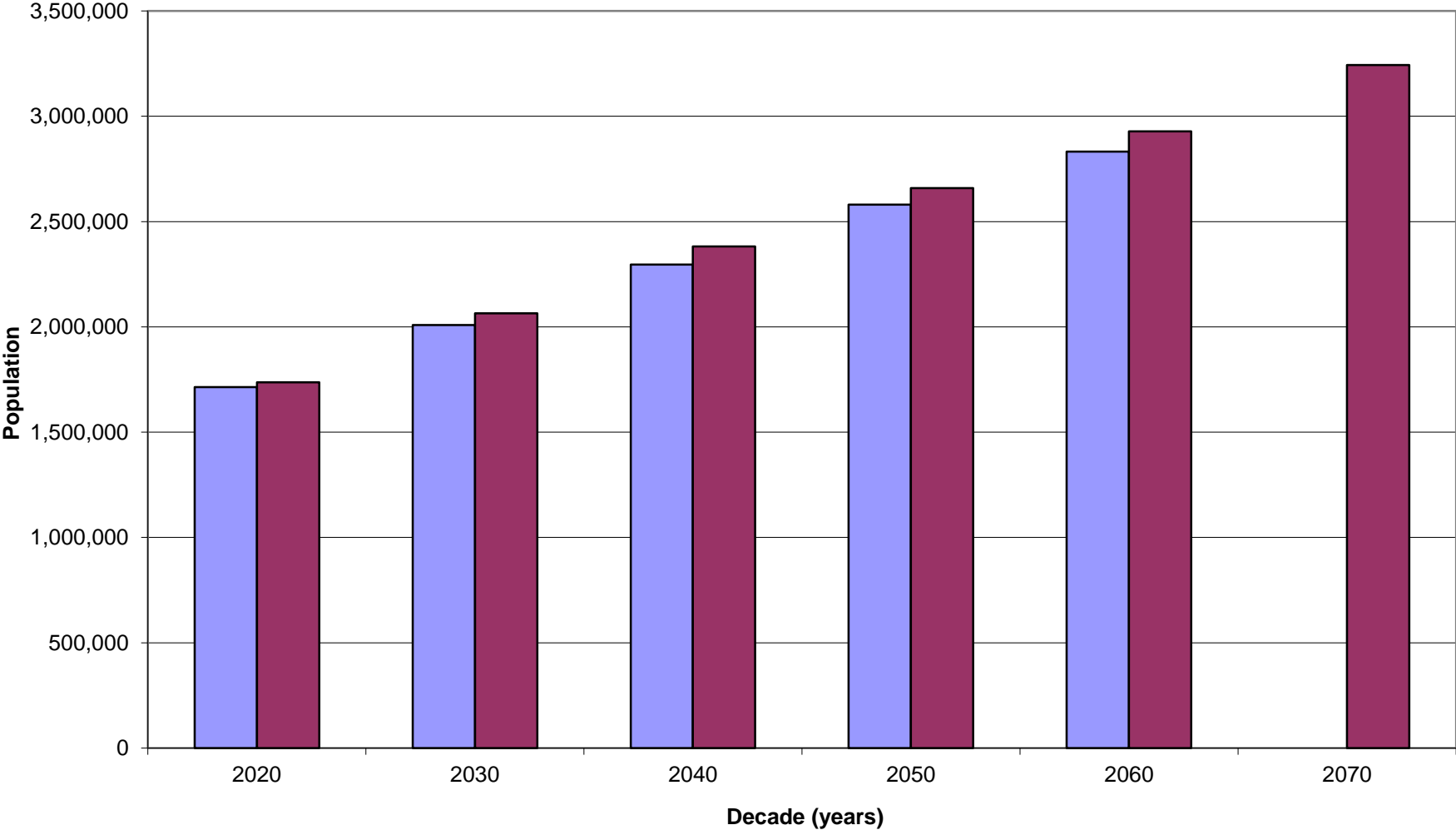
Region K Population

<i>RWP</i>	2010	2020	2030	2040	2050	2060	2070
Region K							
2016		1,737,227	2,064,522	2,381,949	2,658,492	2,928,400	3,243,127
2011	1,412,834	1,714,281	2,008,141	2,295,627	2,580,534	2,831,937	
Difference		22,946	56,381	86,322	77,958	96,463	
% Change		1.3	2.8	3.8	3.0	3.4	
Bastrop							
2016		95,487	125,559	164,648	217,608	289,140	384,244
2011	84,449	120,739	151,364	199,548	239,589	288,683	
Difference		-25,252	-25,805	-34,900	-21,981	457	
% Change		-20.9	-17.0	-17.5	-9.2	0.2	
Blanco							
2016		13,015	15,475	16,917	17,672	18,175	18,472
2011	9,946	11,756	13,487	15,002	16,641	18,544	
Difference		1,259	1,988	1,915	1,031	-369	
% Change		10.7	14.7	12.8	6.2	-2.0	
Burnet							
2016		53,114	64,268	73,673	82,668	90,571	97,426
2011	47,160	61,191	78,133	94,716	105,095	115,056	
Difference		-8,077	-13,865	-21,043	-22,427	-24,485	
% Change		-13.2	-17.7	-22.2	-21.3	-21.3	
Colorado							
2016		21,884	22,836	23,544	24,582	25,449	26,293
2011	21,239	22,591	23,311	23,424	23,900	24,324	
Difference		-707	-475	120	682	1,125	
% Change		-3.1	-2.0	0.5	2.9	4.6	
Fayette							
2016		28,373	32,384	35,108	37,351	39,119	40,476
2011	24,826	28,808	32,363	35,259	38,933	44,120	
Difference		-435	21	-151	-1,582	-5,001	
% Change		-1.5	0.1	-0.4	-4.1	-11.3	
Gillespie							
2016		26,795	28,852	30,548	32,536	34,365	36,142
2011	25,258	29,117	30,861	30,861	30,861	30,861	
Difference		-2,322	-2,009	-313	1,675	3,504	
% Change		-8.0	-6.5	-1.0	5.4	11.4	
Hays							
2016		55,584	73,243	94,747	121,629	152,007	186,579
2011	46,143	69,377	88,887	108,495	132,051	150,574	
Difference		-13,793	-15,644	-13,748	-10,422	1,433	
% Change		-19.9	-17.6	-12.7	-7.9	1.0	

Region K Population

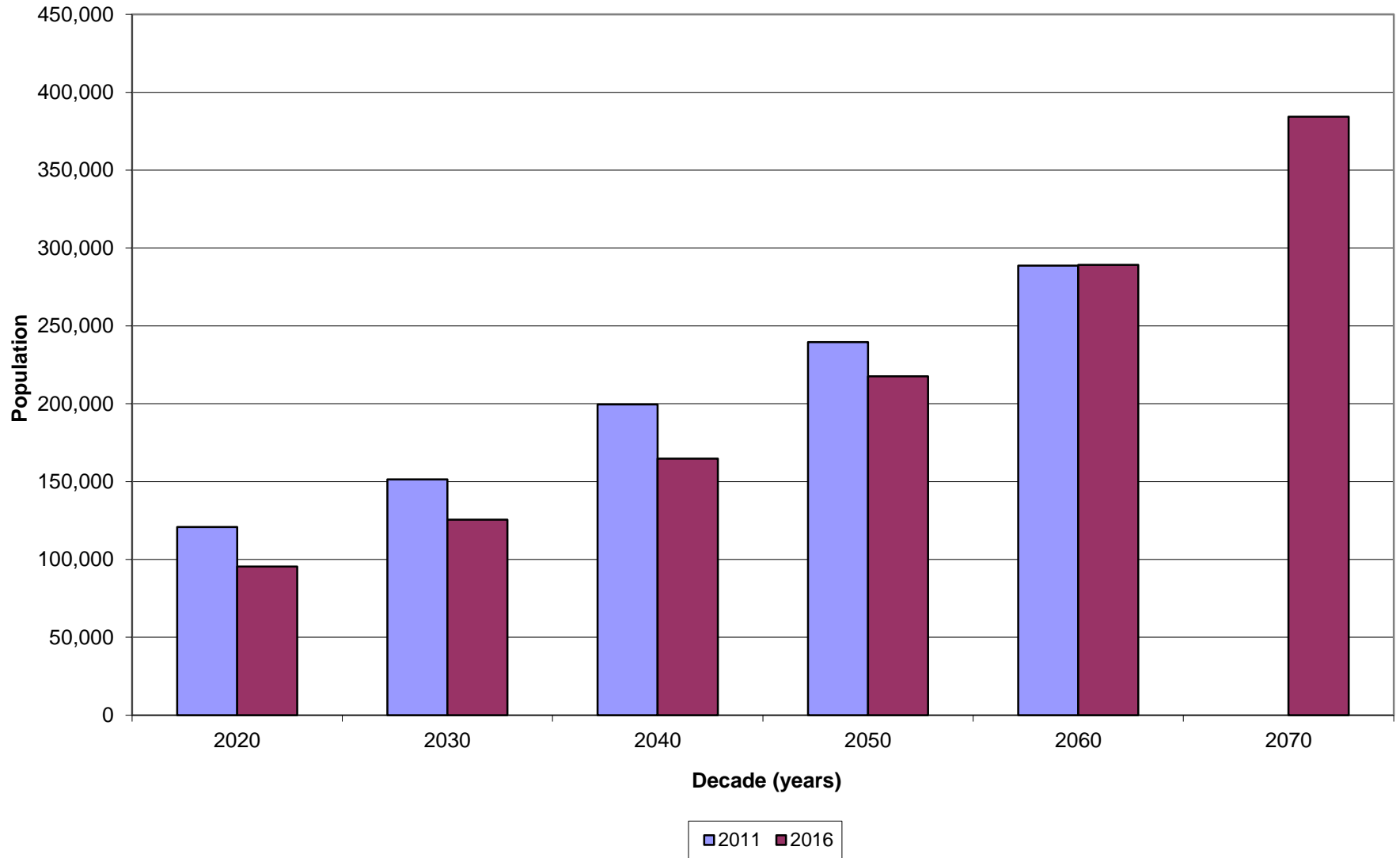
RWP	2010	2020	2030	2040	2050	2060	2070
Llano							
2016		21,291	22,453	22,422	22,035	22,779	23,549
2011	21,284	23,007	23,471	23,932	24,393	24,855	
Difference		-1,716	-1,018	-1,510	-2,358	-2,076	
% Change		-7.5	-4.3	-6.3	-9.7	-8.4	
Matagorda							
2016		39,166	41,226	42,548	43,570	44,296	44,815
2011	40,506	43,295	44,991	45,925	45,925	45,925	
Difference		-4,129	-3,765	-3,377	-2,355	-1,629	
% Change		-9.5	-8.4	-7.4	-5.1	-3.5	
Mills							
2016		4,912	5,076	5,213	5,417	5,625	5,859
2011	5,466	5,815	6,107	5,930	6,329	6,497	
Difference		-903	-1,031	-717	-912	-872	
% Change		-15.5	-16.9	-12.1	-14.4	-13.4	
San Saba							
2016		6,484	6,793	6,833	6,722	6,879	7,039
2011	6,387	6,746	7,059	7,332	7,365	7,409	
Difference		-262	-266	-499	-643	-530	
% Change		-3.9	-3.8	-6.8	-8.7	-7.2	
Travis							
2016		1,273,260	1,508,642	1,732,860	1,897,769	2,033,120	2,185,909
2011	1,003,253	1,201,256	1,402,153	1,583,068	1,770,347	1,918,135	
Difference		72,004	106,489	149,792	127,422	114,985	
% Change		6.0	7.6	9.5	7.2	6.0	
Wharton							
2016		27,184	28,928	30,322	31,529	32,643	33,629
2011	28,260	29,872	30,911	31,508	31,523	31,188	
Difference		-2,688	-1,983	-1,186	6	1,455	
% Change		-9.0	-6.4	-3.8	0.0	4.7	
Williamson							
2016		70,678	88,787	102,566	117,404	134,232	152,695
2011	48,657	60,711	75,043	90,627	107,582	125,766	
Difference		9,967	13,744	11,939	9,822	8,466	
% Change		16.4	18.3	13.2	9.1	6.7	

Region K Population Comparison

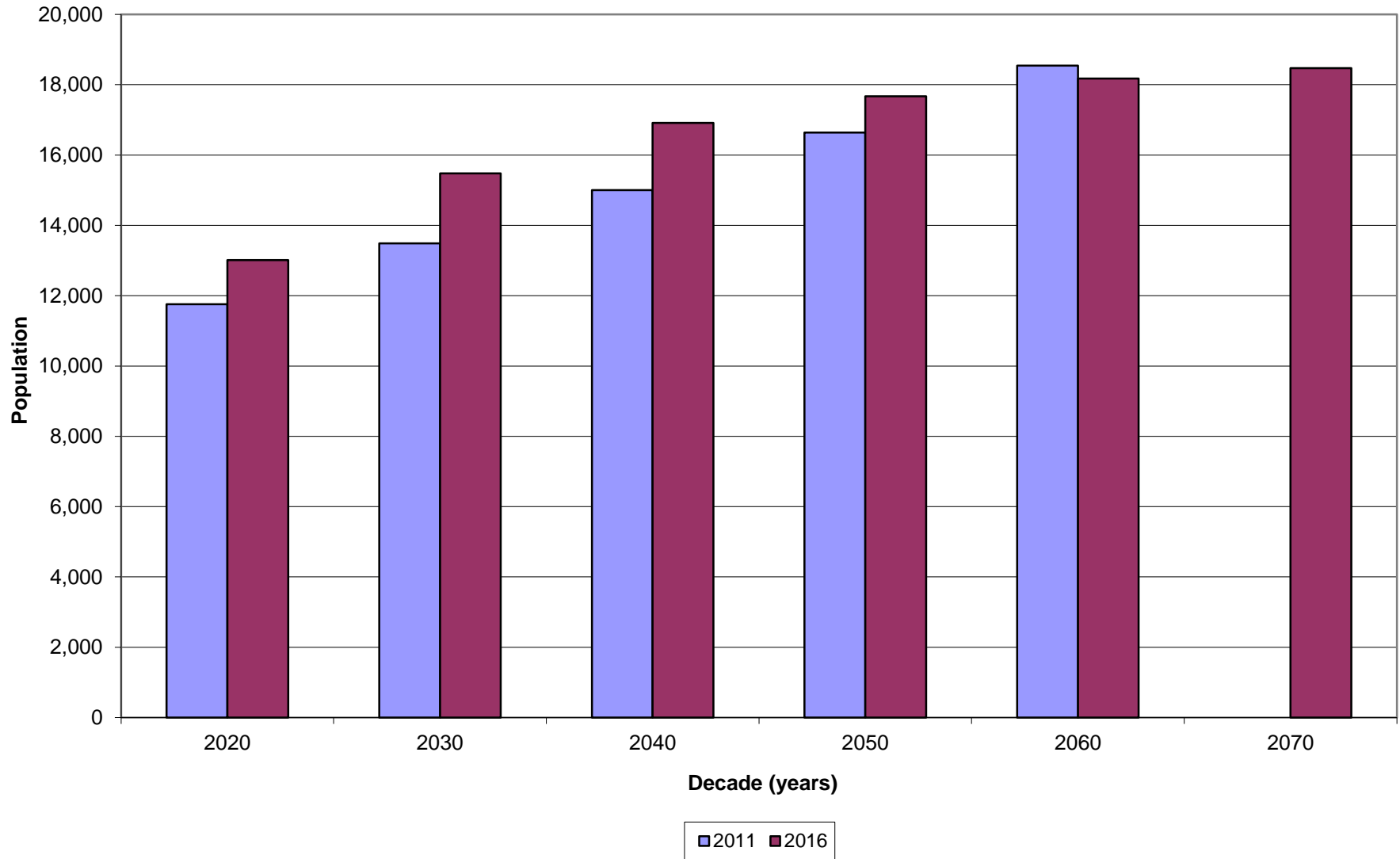


■ 2011 Region K Plan ■ 2016 Region K Plan

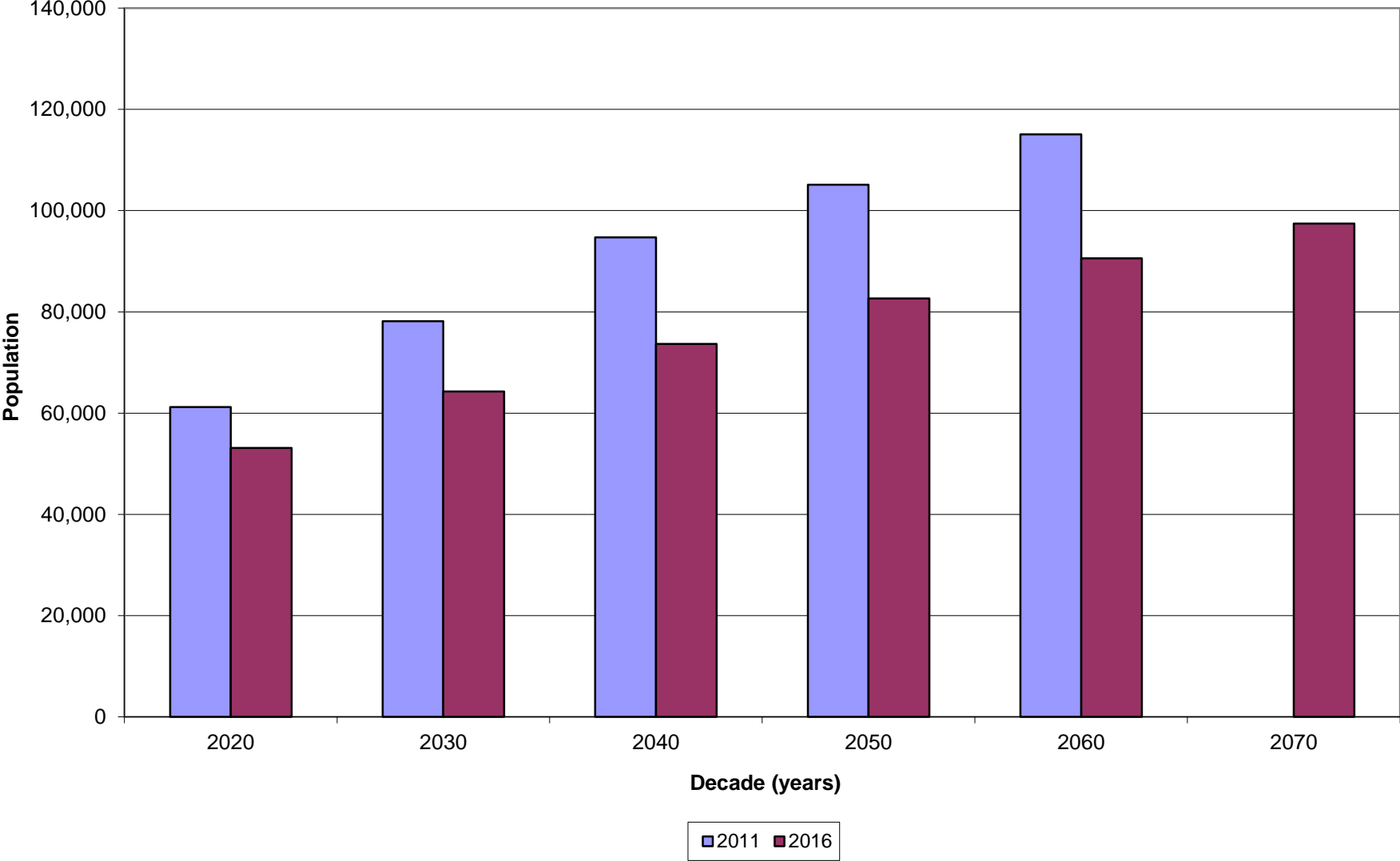
Bastrop Population Comparison



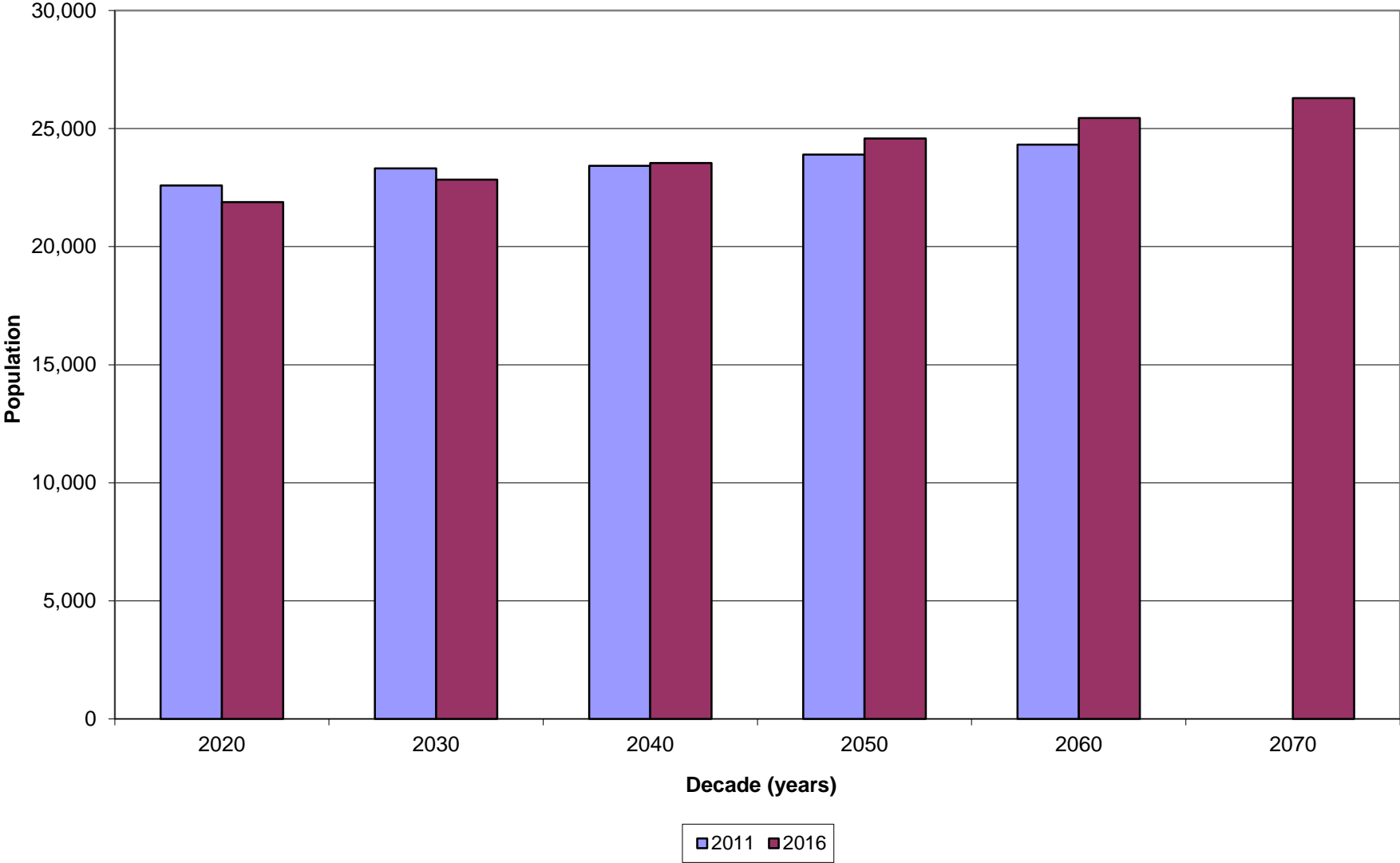
Blanco Population Comparison



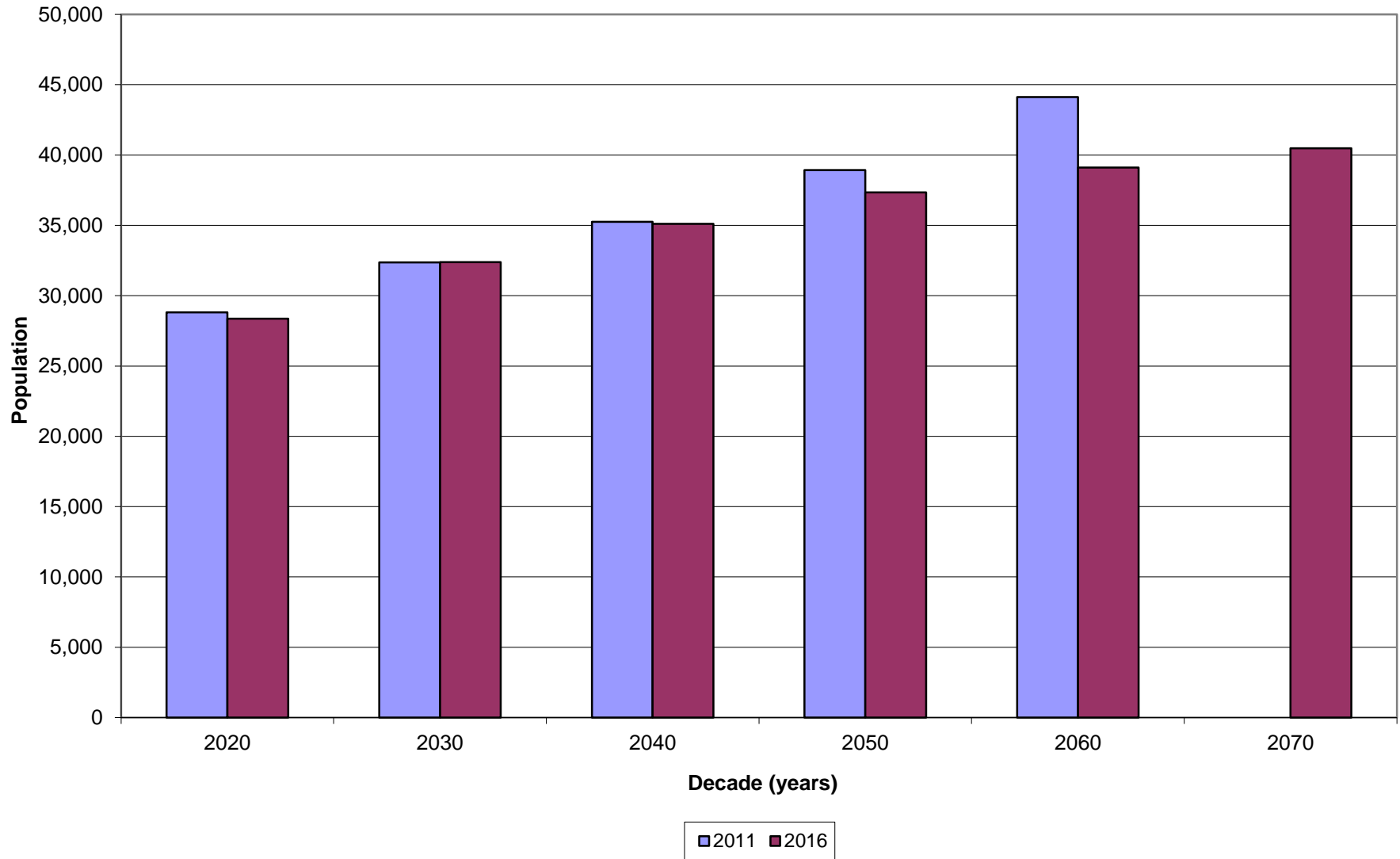
Burnet Population Comparison



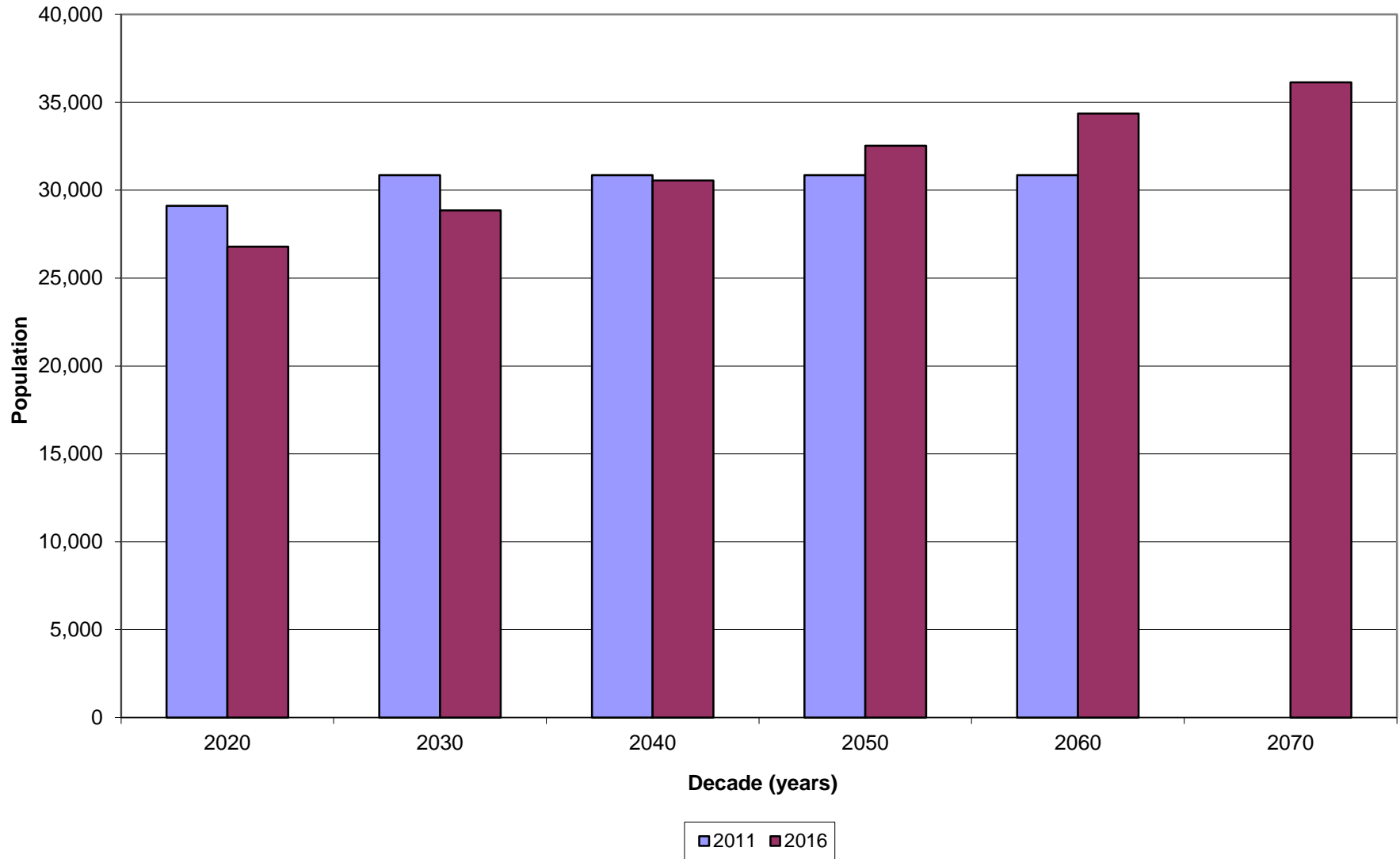
Colorado Population Comparison



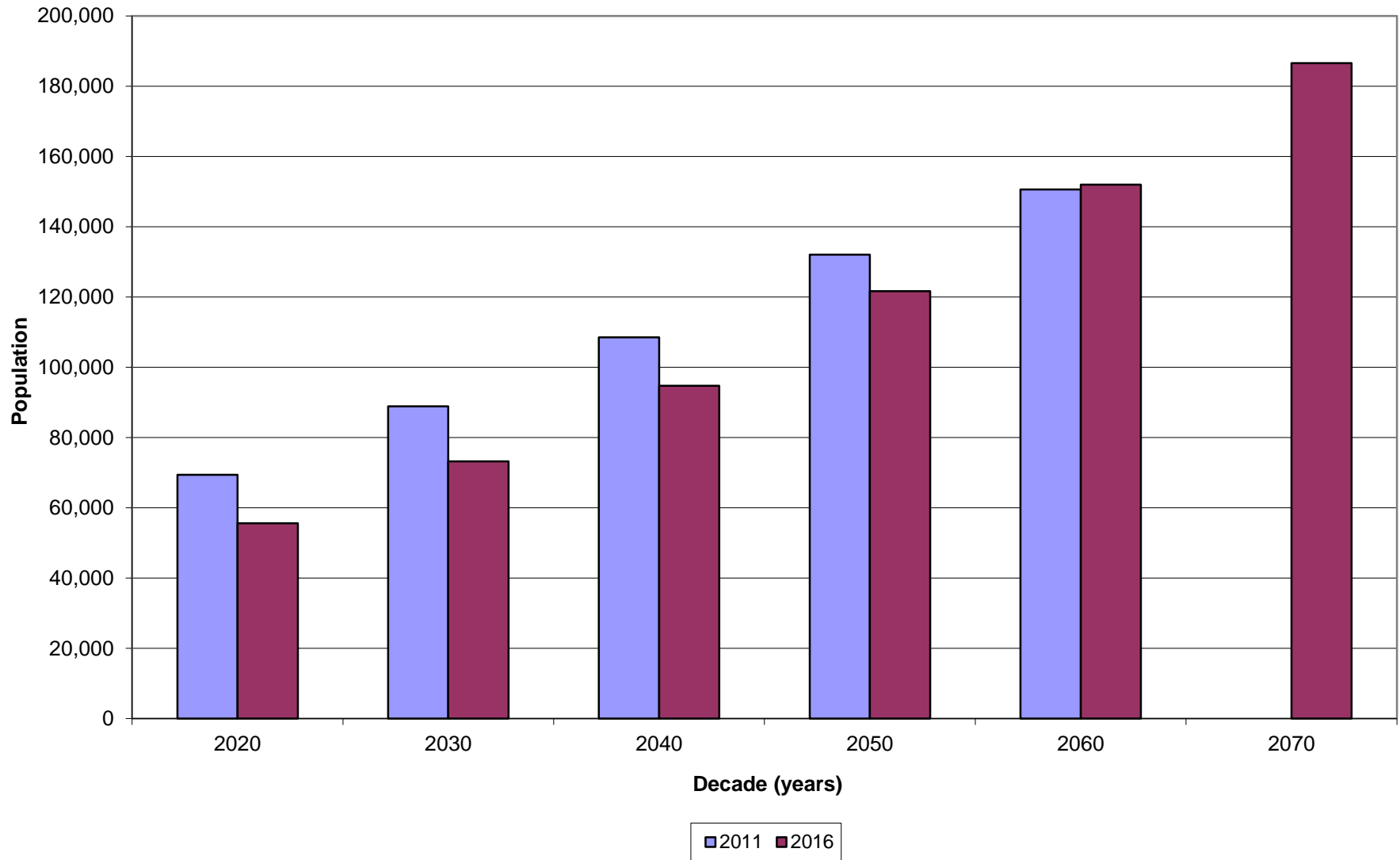
Fayette Population Comparison



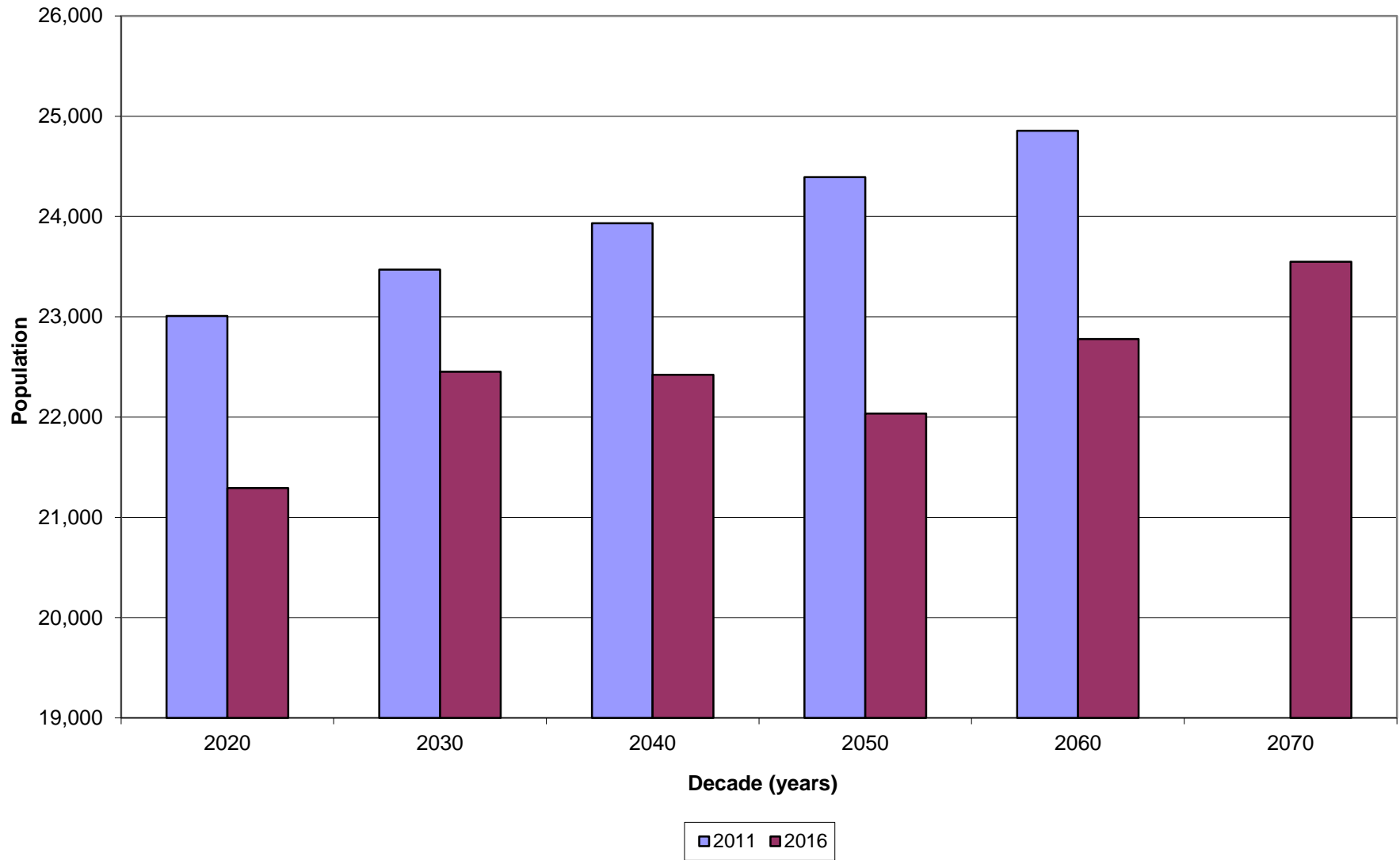
Gillespie Population Comparison



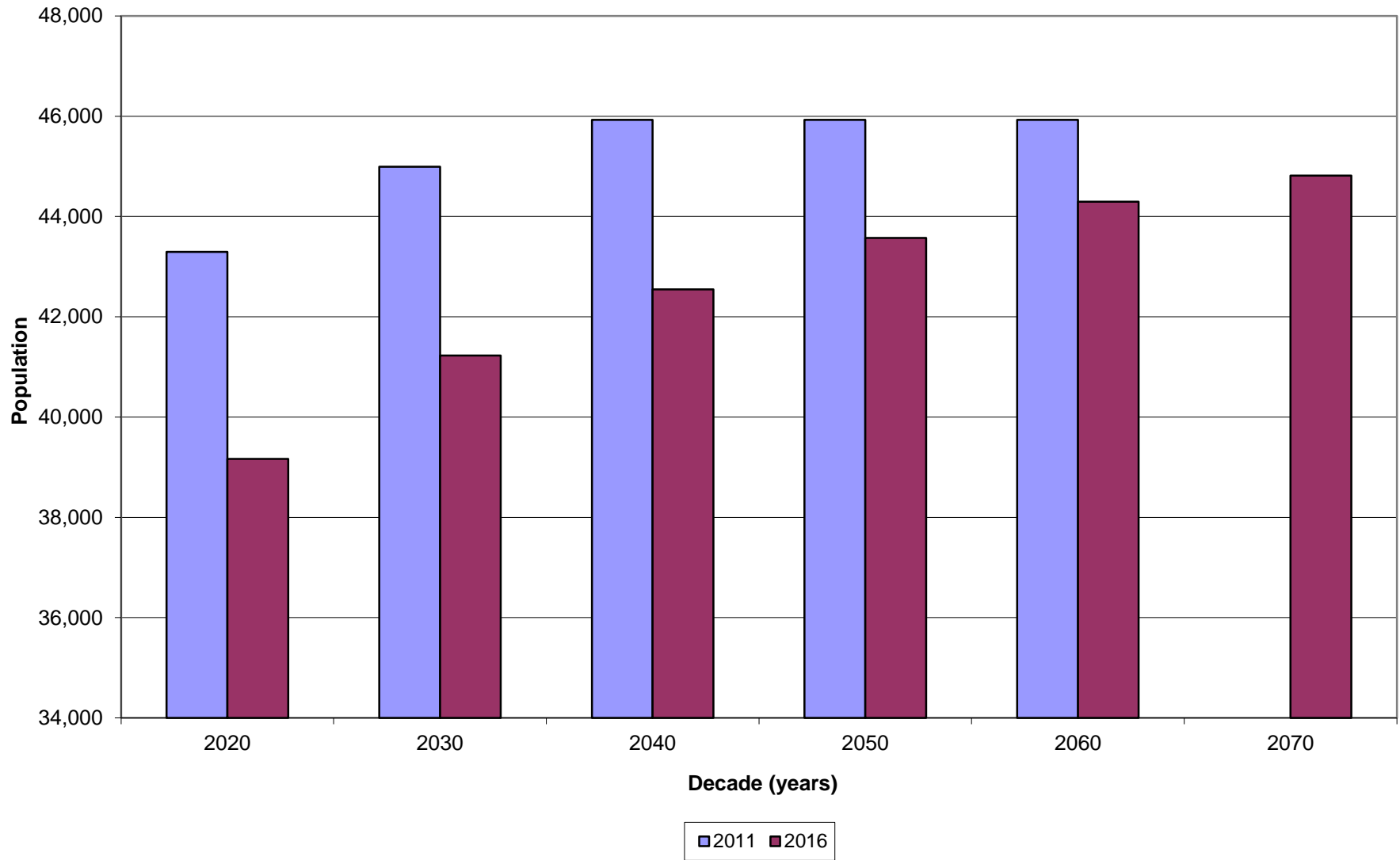
Hays (Partial) Population Comparison



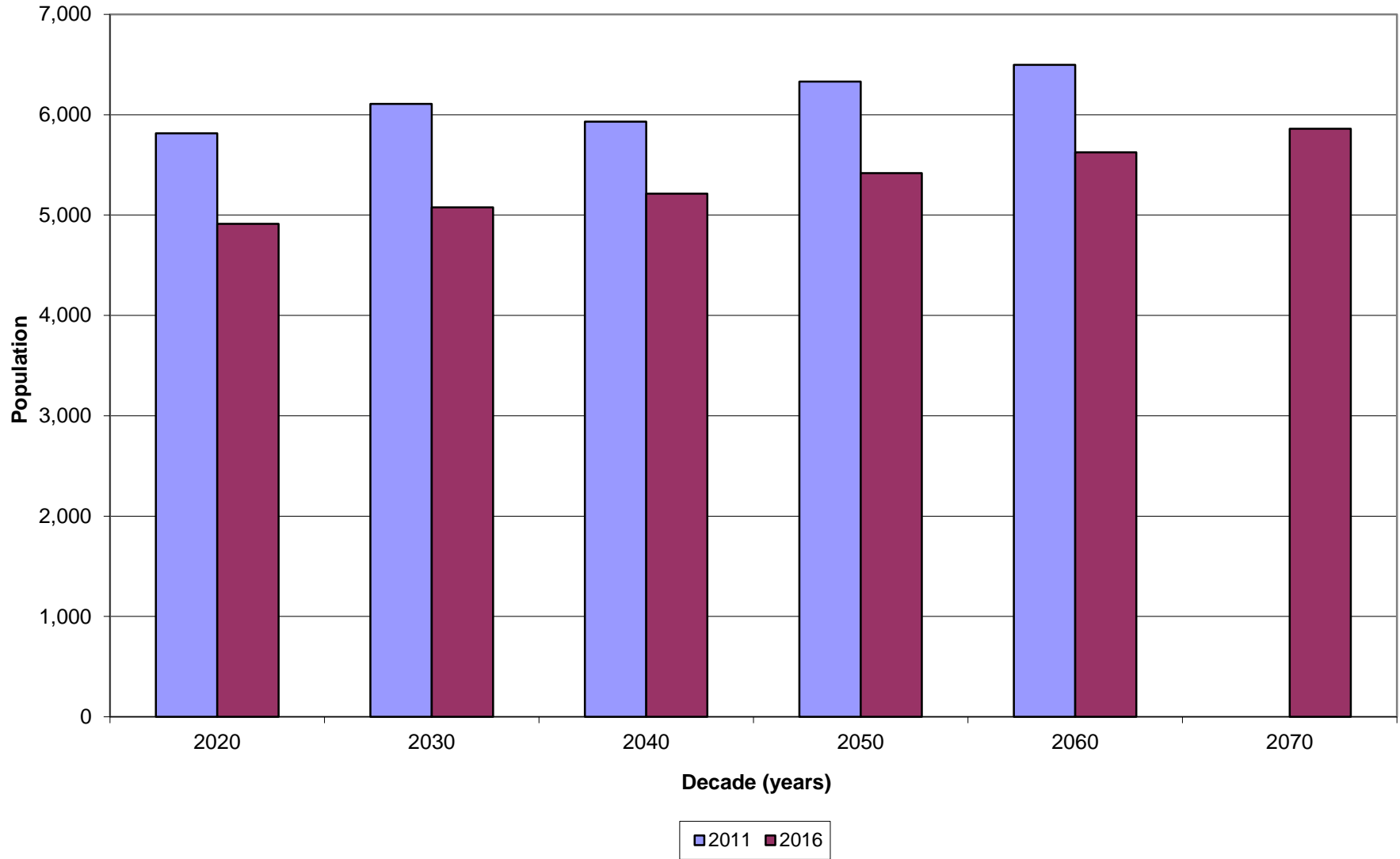
Llano Population Comparison



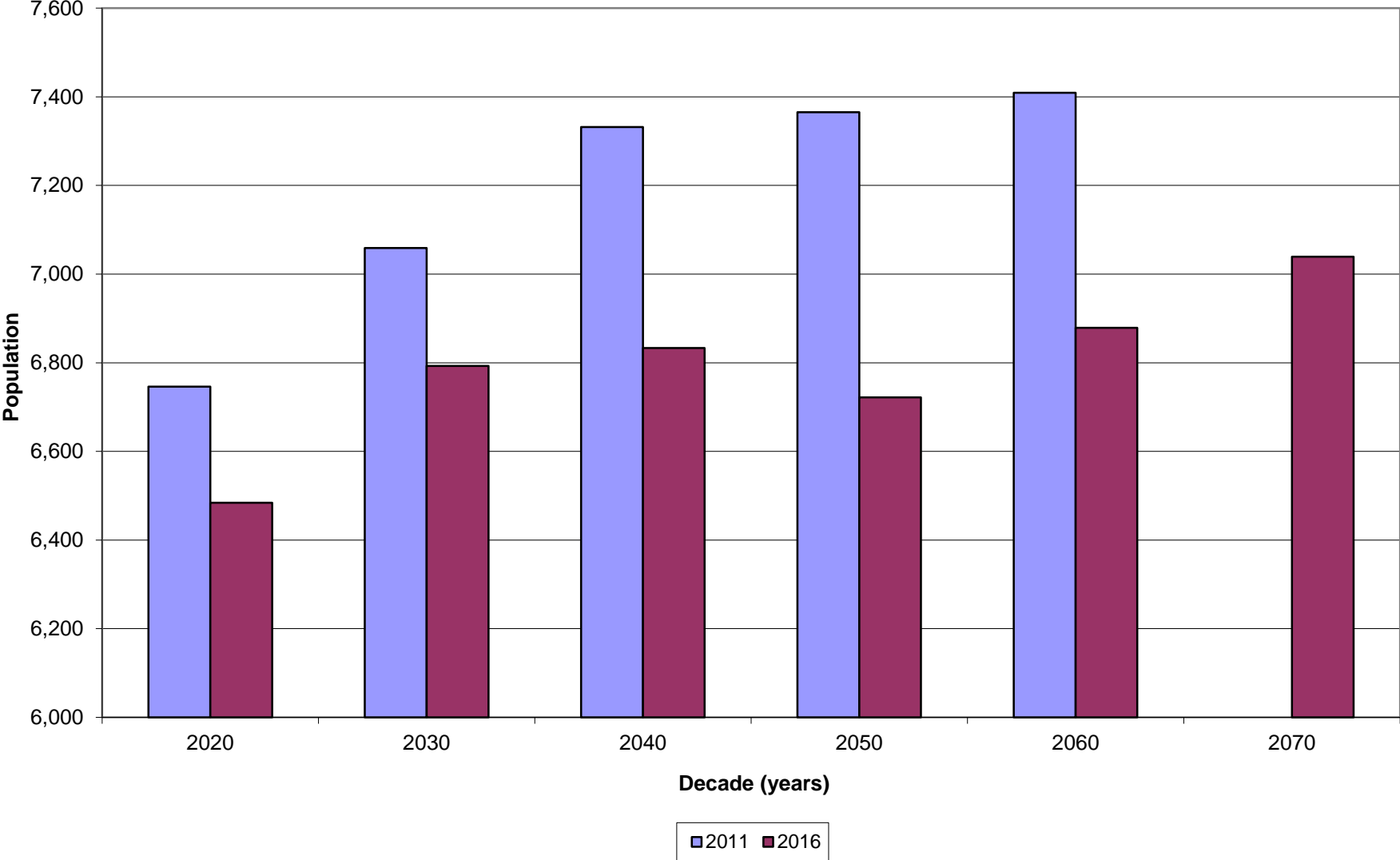
Matagorda Population Comparison



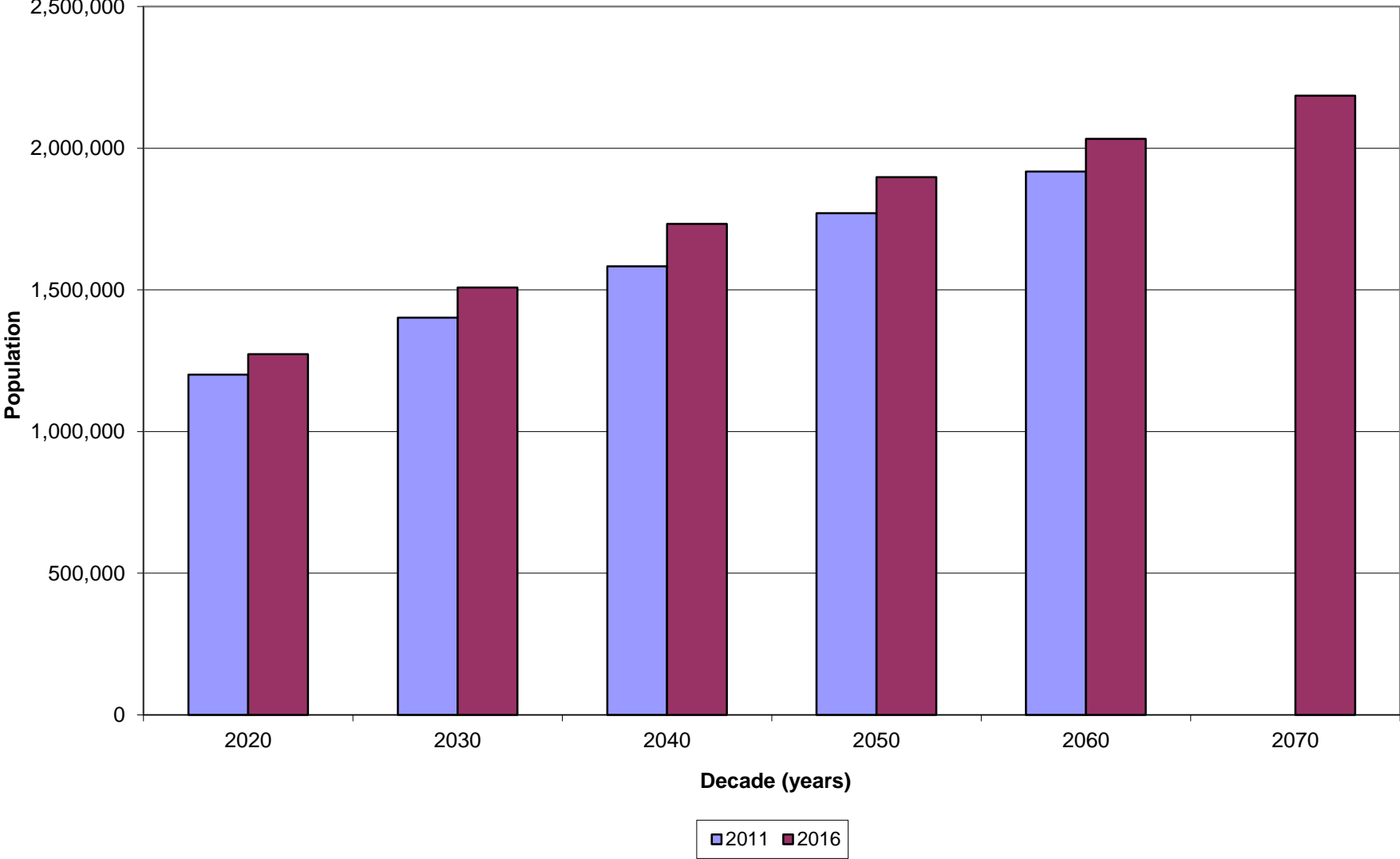
Mills Population Comparison



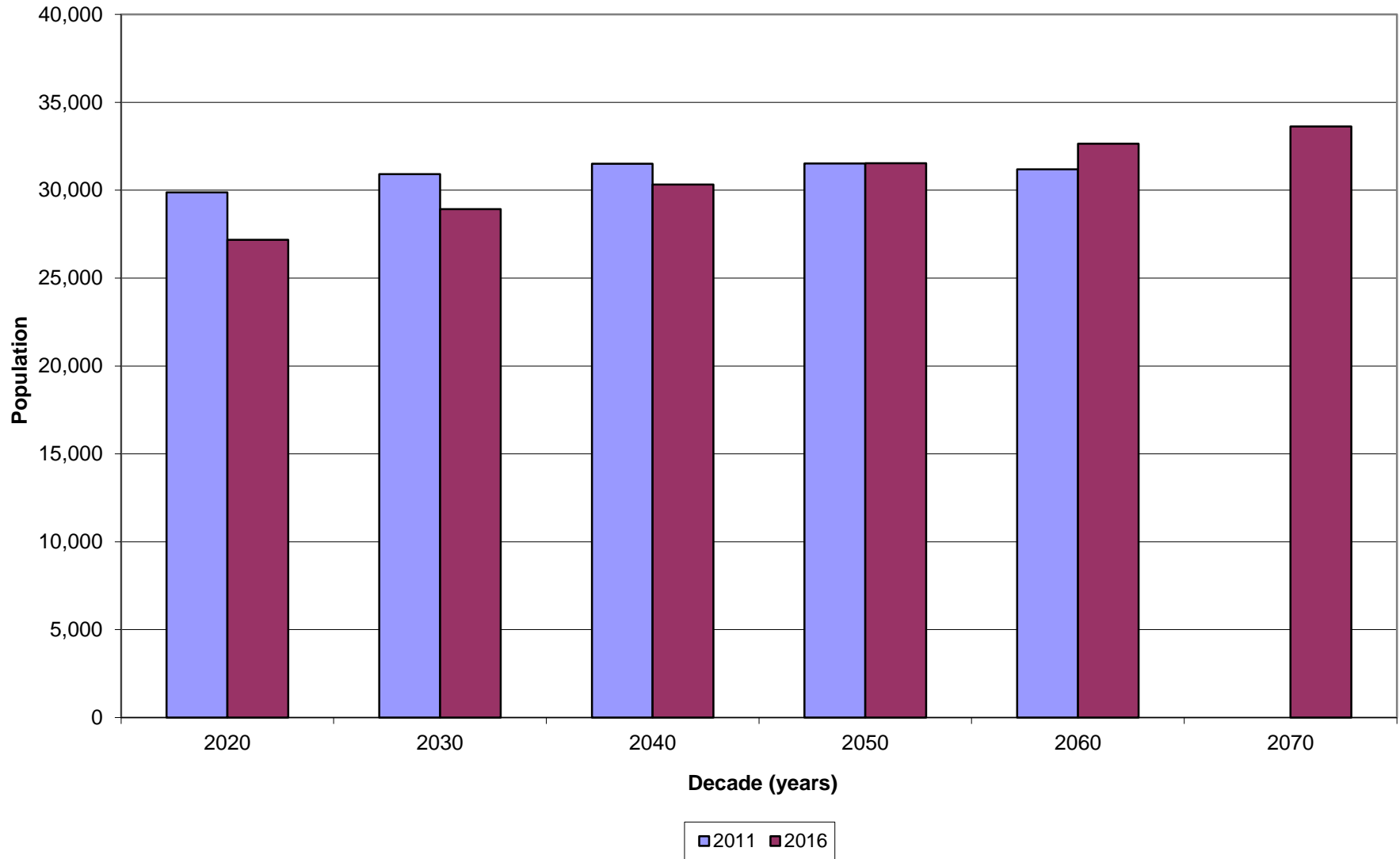
San Saba Population Comparison



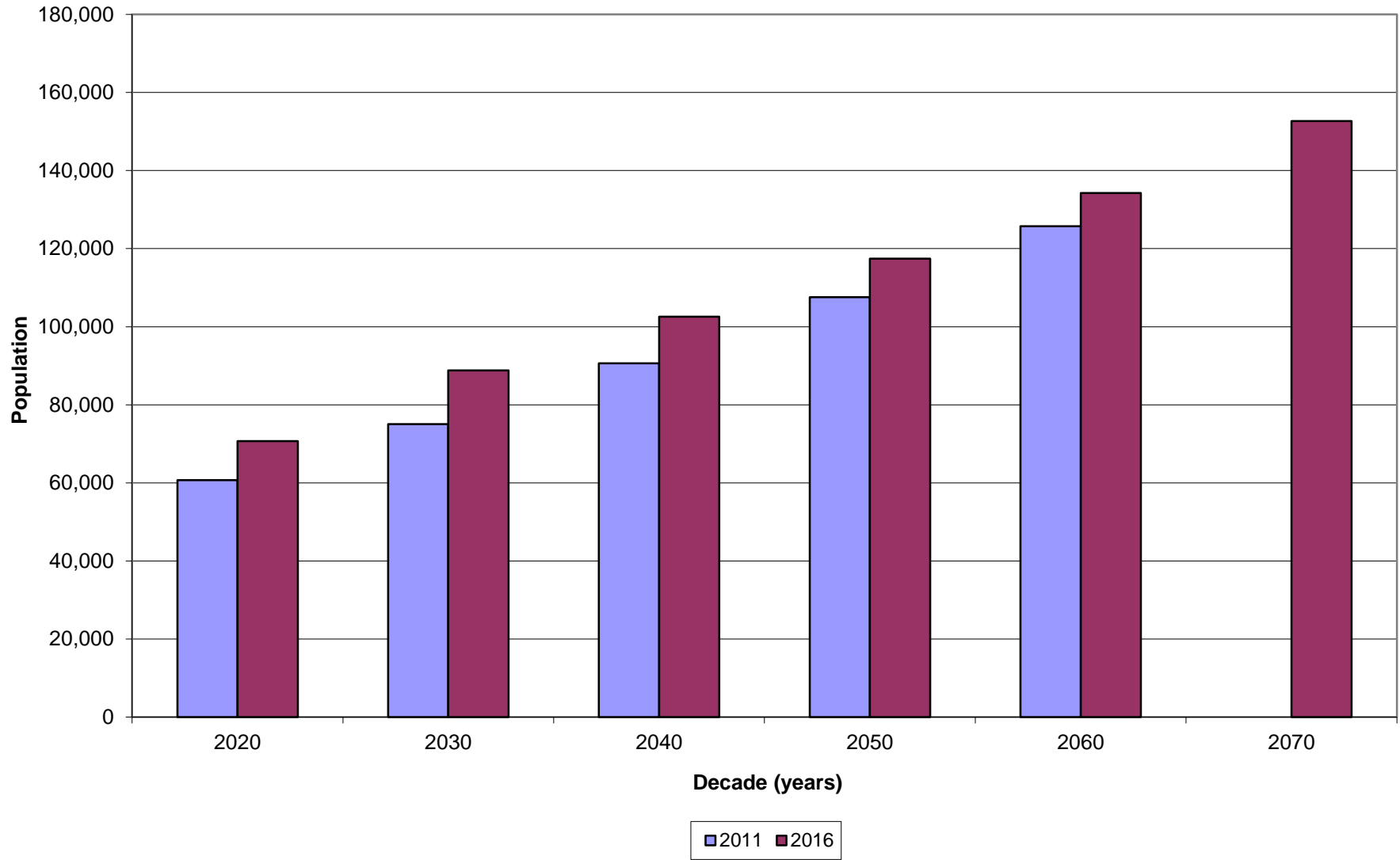
Travis Population Comparison



Wharton (Partial) Population Comparison



Williamson (Partial) Population Comparison



THIS PAGE LEFT BLANK INTENTIONALLY

Water Demands* (in acre-feet per year) by WUG Category

Region K

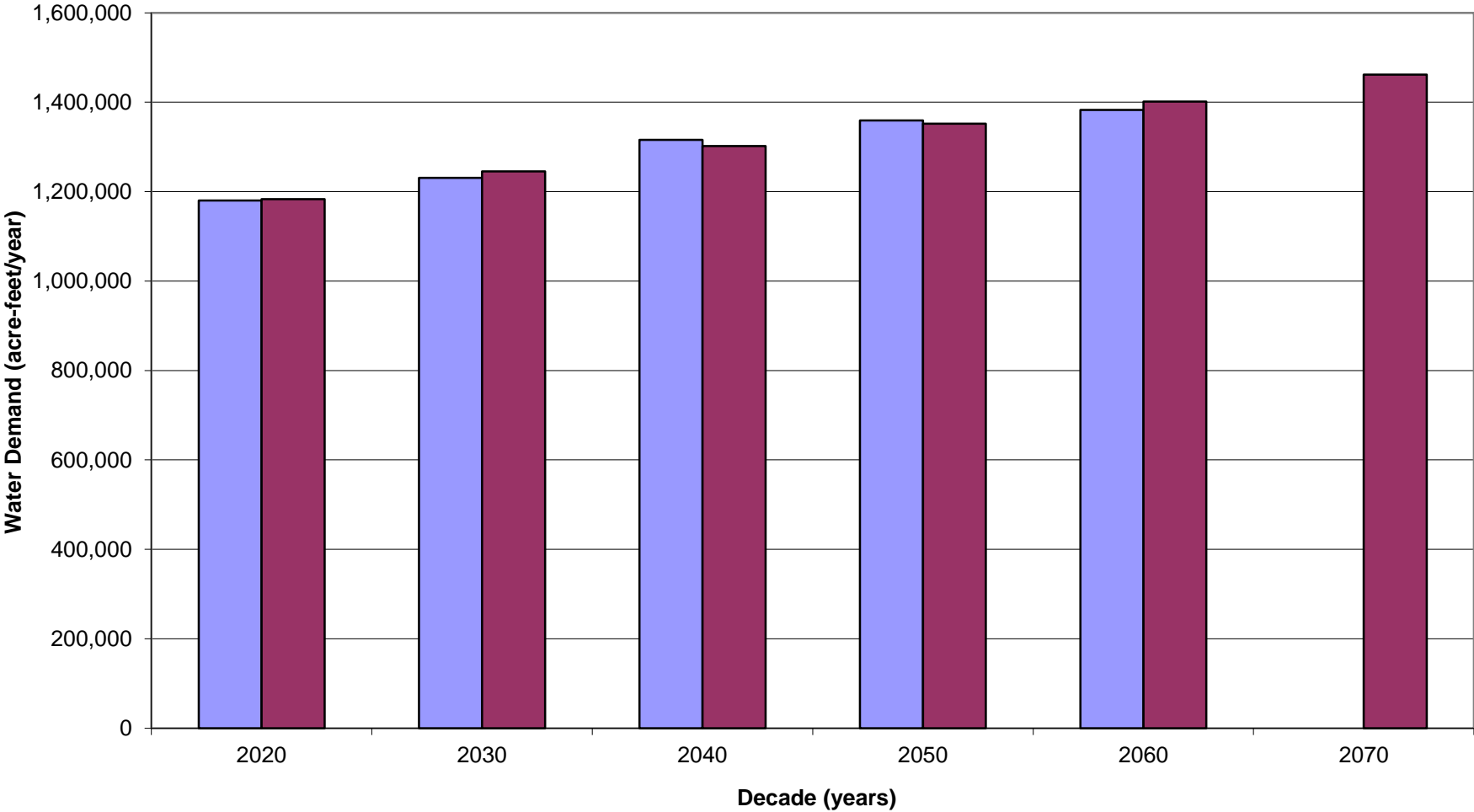
<i>RWP</i>	2010	2020	2030	2040	2050	2060	2070
Municipal							
2016		306,560	359,194	411,761	458,588	505,009	558,949
2011	268,643	321,972	373,430	423,051	472,778	516,348	
Difference		-15,412	-14,236	-11,290	-14,190	-11,339	
% Change		-4.8	-3.8	-2.7	-3.0	-2.2	
Livestock							
2016		14,012	14,012	14,012	14,012	14,012	14,012
2011	13,395	13,395	13,395	13,395	13,395	13,395	
Difference		617	617	617	617	617	
% Change		4.6	4.6	4.6	4.6	4.6	
Irrigation							
2016		607,433	590,740	574,530	558,789	543,507	528,715
2011	589,705	567,272	545,634	524,809	504,695	468,763	
Difference		40,161	45,106	49,721	54,094	74,744	
% Change		7.1	8.3	9.5	10.7	15.9	
Manufacturing							
2016		56,019	70,050	86,259	96,283	106,487	117,851
2011	38,162	44,916	56,233	69,264	77,374	85,698	
Difference		11,103	13,817	16,995	18,909	20,789	
% Change		24.7	24.6	24.5	24.4	24.3	
Mining							
2016		20,848	26,104	27,991	29,757	31,893	34,961
2011	30,620	31,252	31,613	26,964	27,304	27,598	
Difference		-10,404	-5,509	1,027	2,453	4,295	
% Change		-33.3	-17.4	3.8	9.0	15.6	
Steam-Electric Power Generation							
2016		178,453	185,235	187,410	194,802	200,413	207,319
2011	146,167	201,353	210,713	258,126	263,715	270,732	
Difference		-22,900	-25,478	-70,716	-68,913	-70,319	
% Change		-11.4	-12.1	-27.4	-26.1	-26.0	

*All values are presented in acre-feet per year

Total Water Demand							
2016		1,183,325	1,245,335	1,301,963	1,352,231	1,401,321	1,461,807
2011	1,086,692	1,180,160	1,231,018	1,315,609	1,359,261	1,382,534	
Difference		3,165	14,317	-13,646	-7,030	18,787	
% Change		0.3	1.2	-1.0	-0.5	1.4	

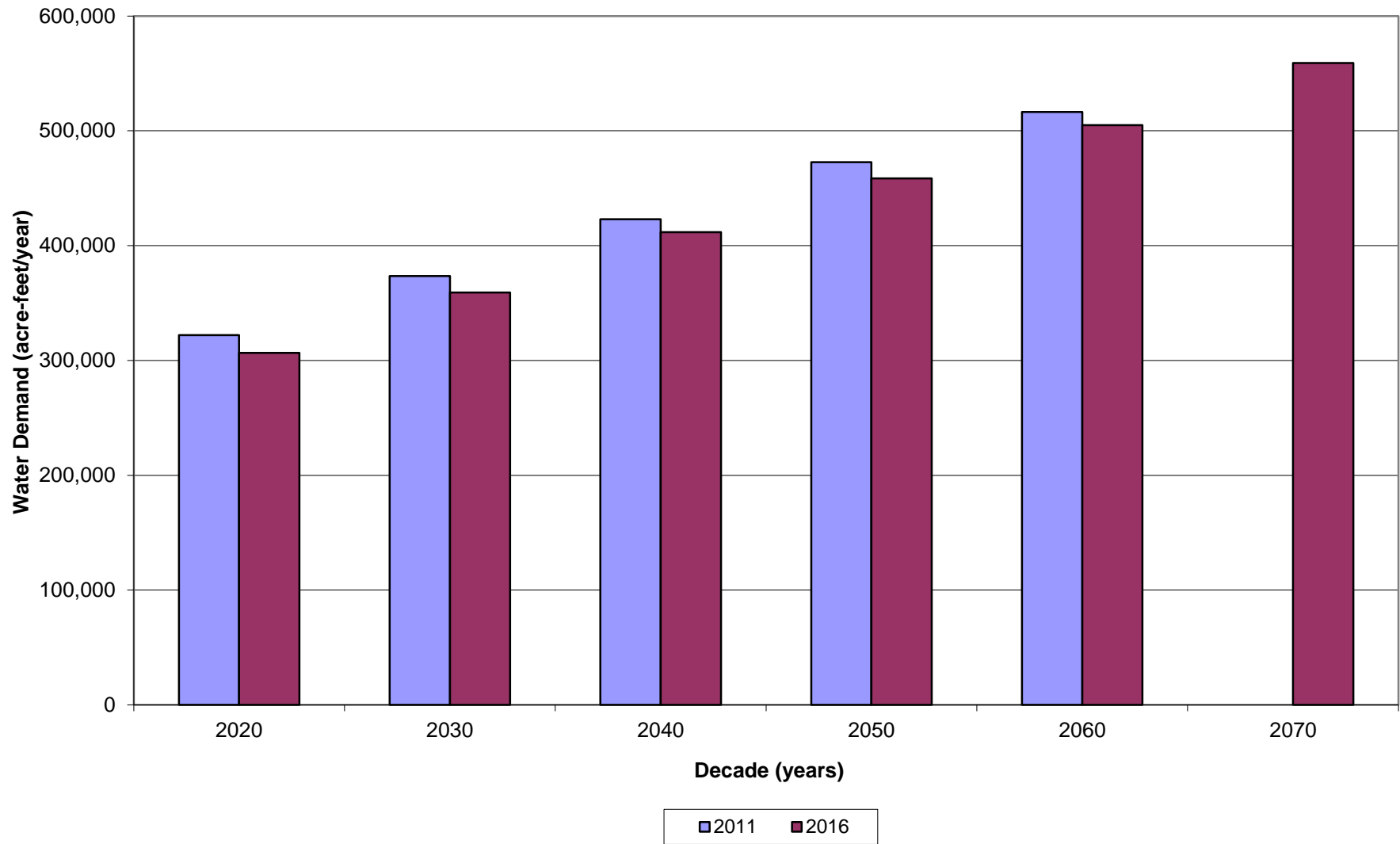
THIS PAGE LEFT BLANK INTENTIONALLY

Region K Total Water Demand Comparison

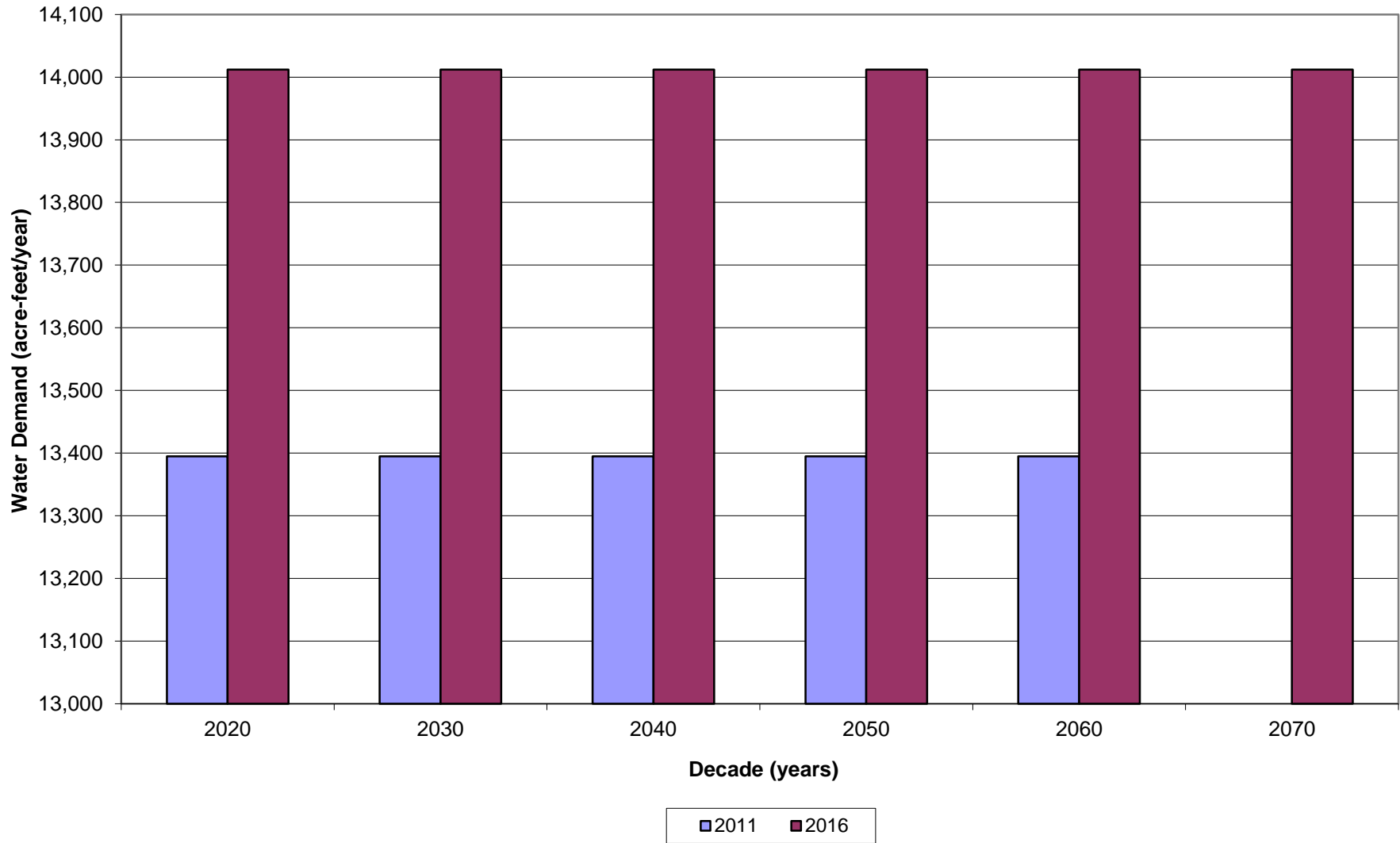


■ 2011 Region K Plan ■ 2016 Region K Plan

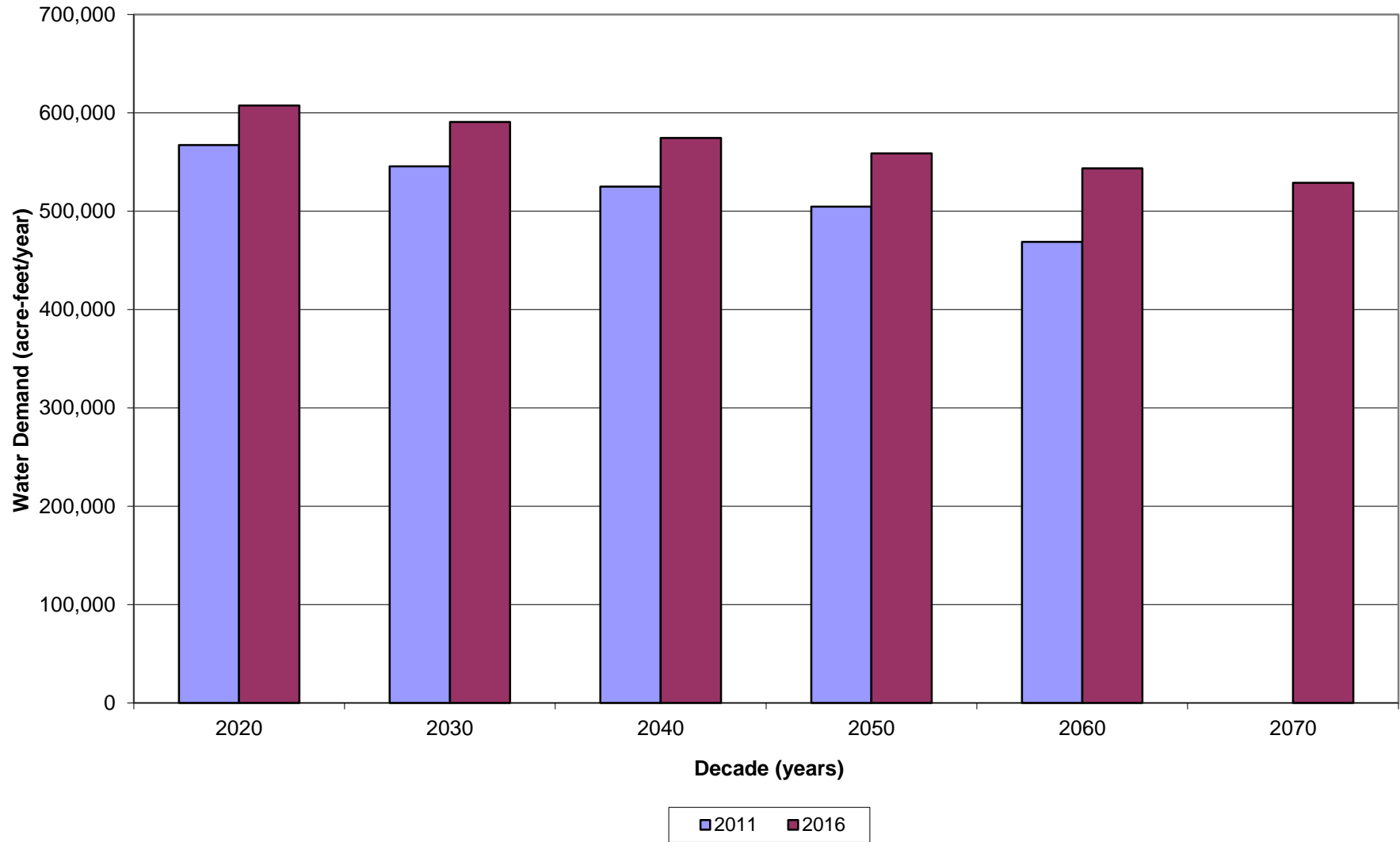
Region K Municipal Water Demand Comparison



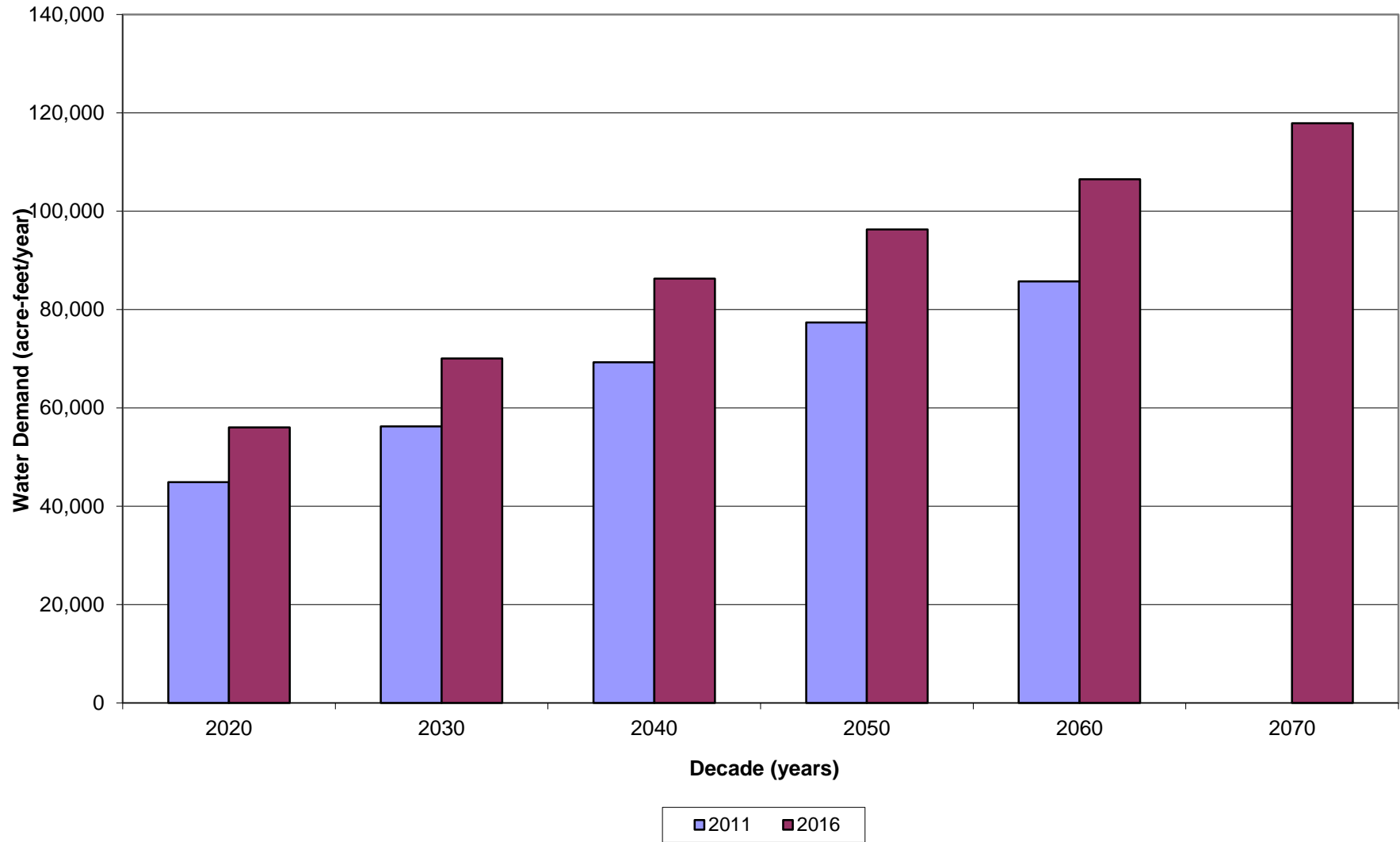
Region K Livestock Water Demand Comparison



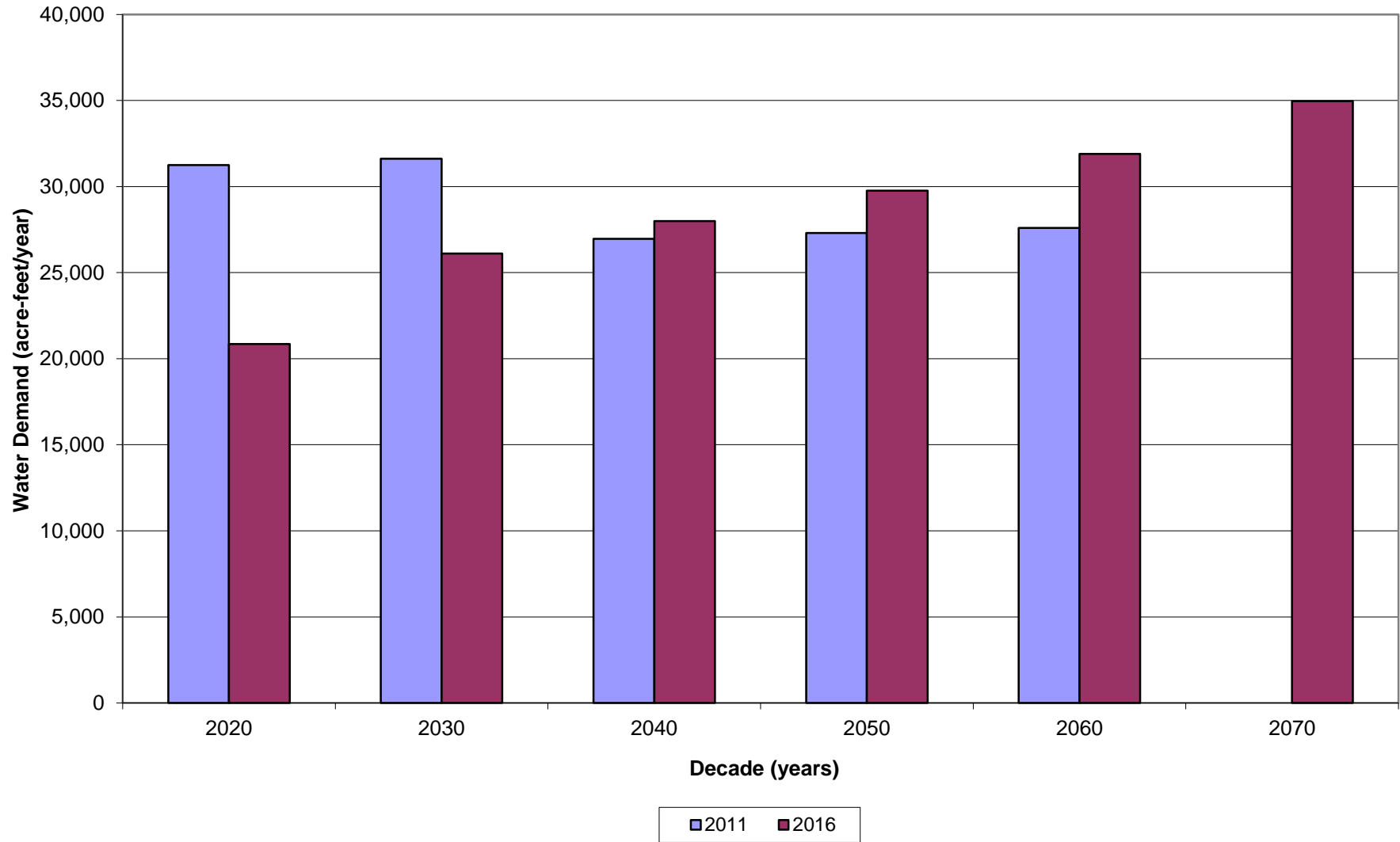
Region K Irrigation Water Demand Comparison



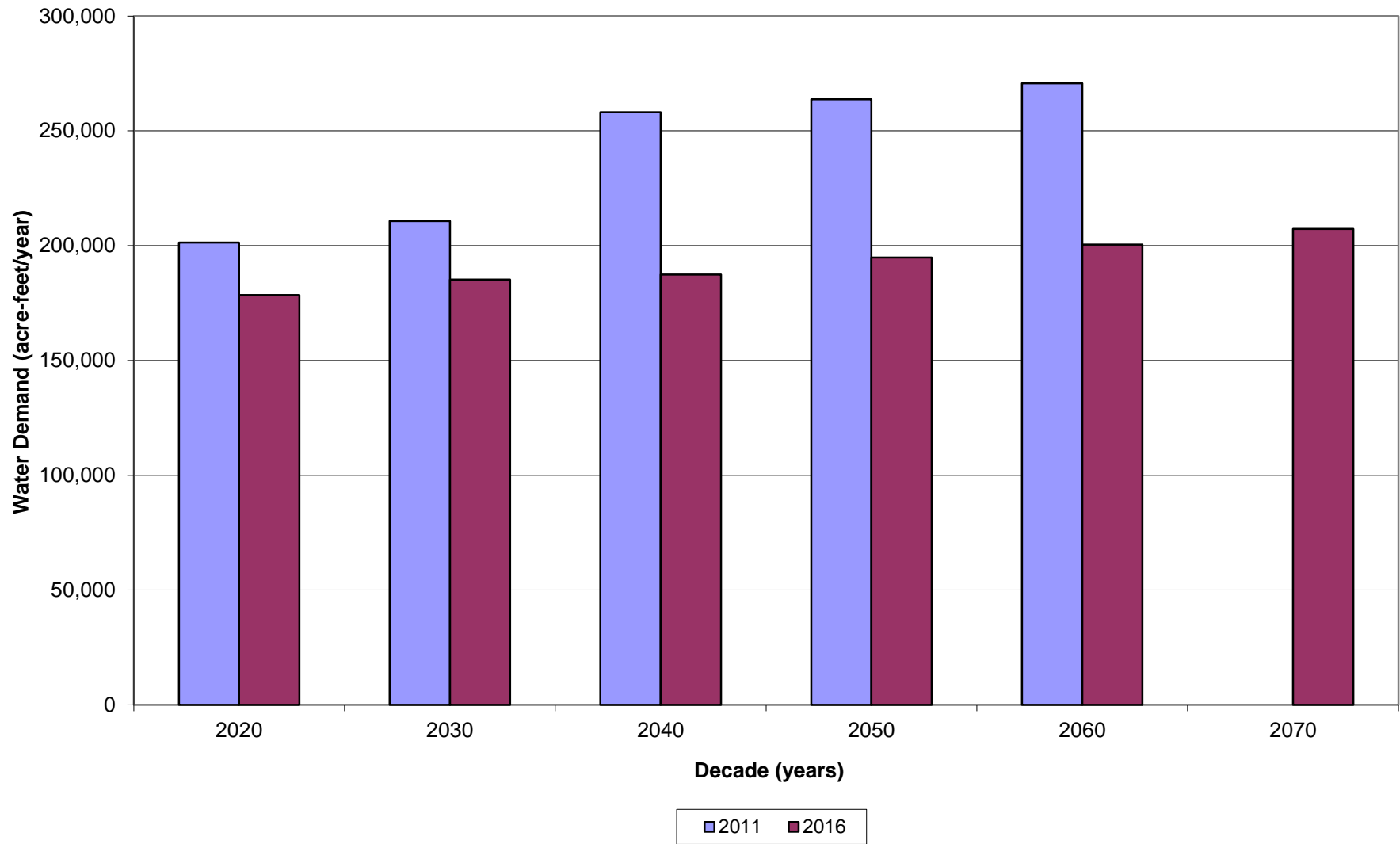
Region K Manufacturing Water Demand Comparison



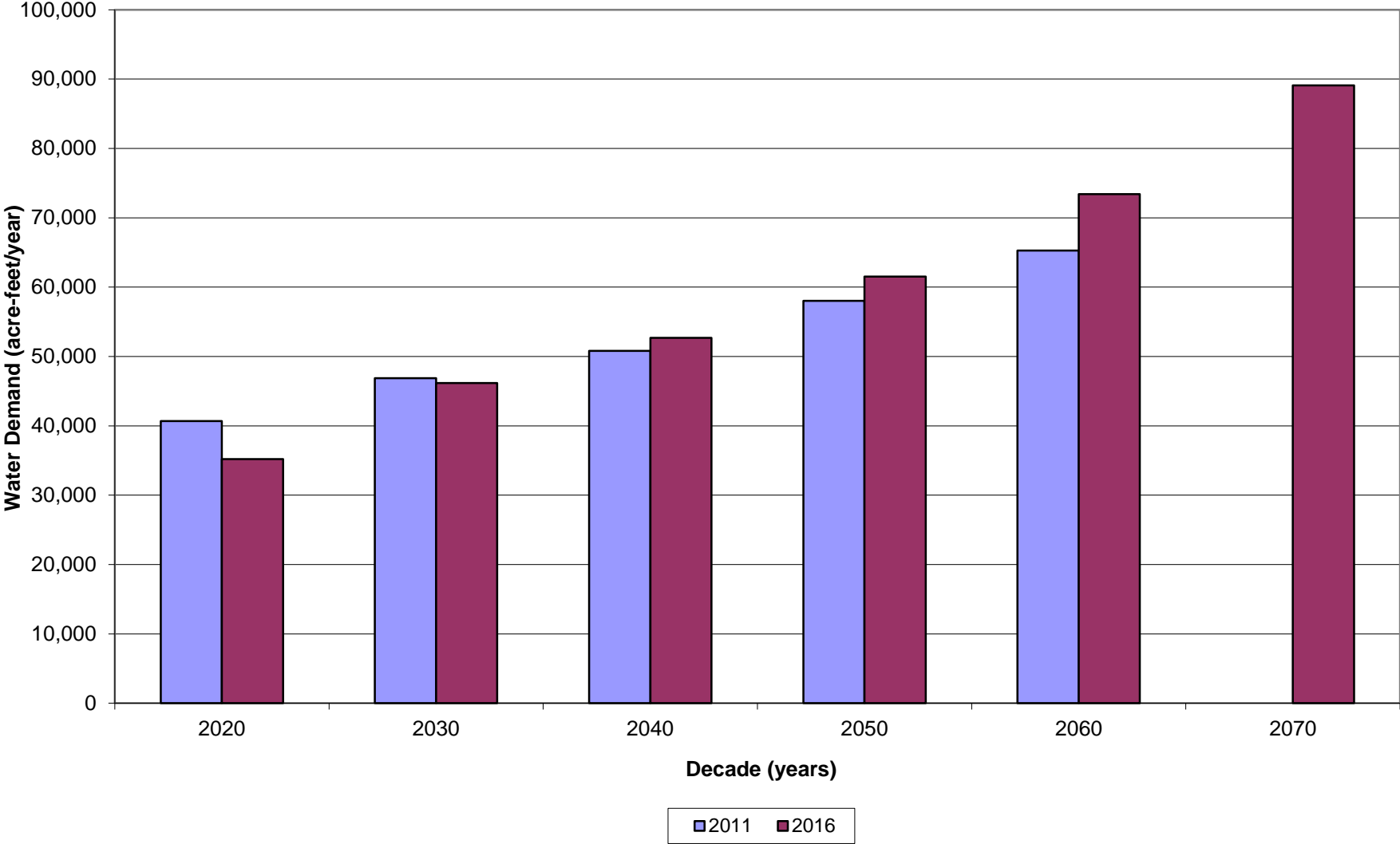
Region K Mining Water Demand Comparison



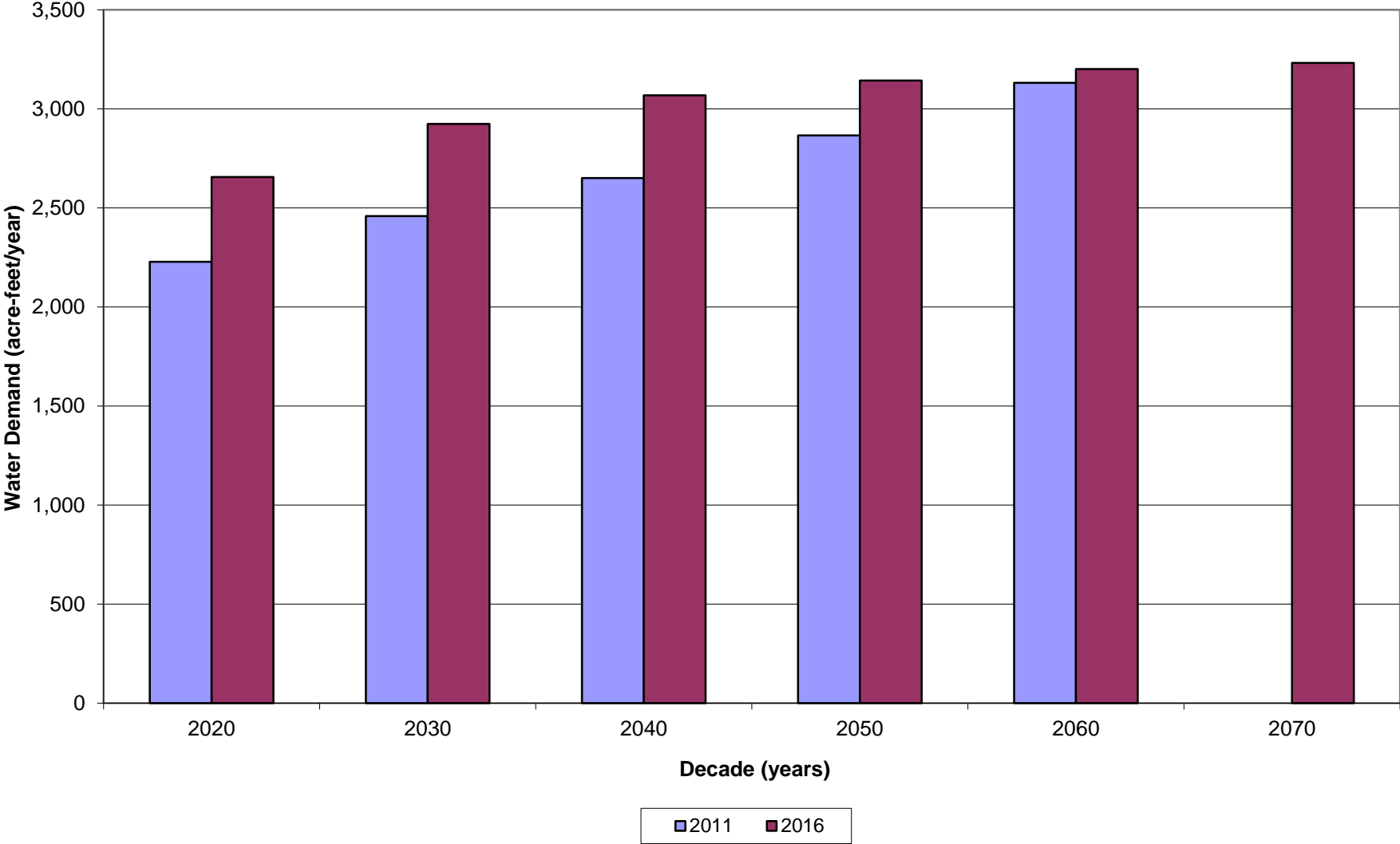
Region K Steam-Electric Water Demand Comparison



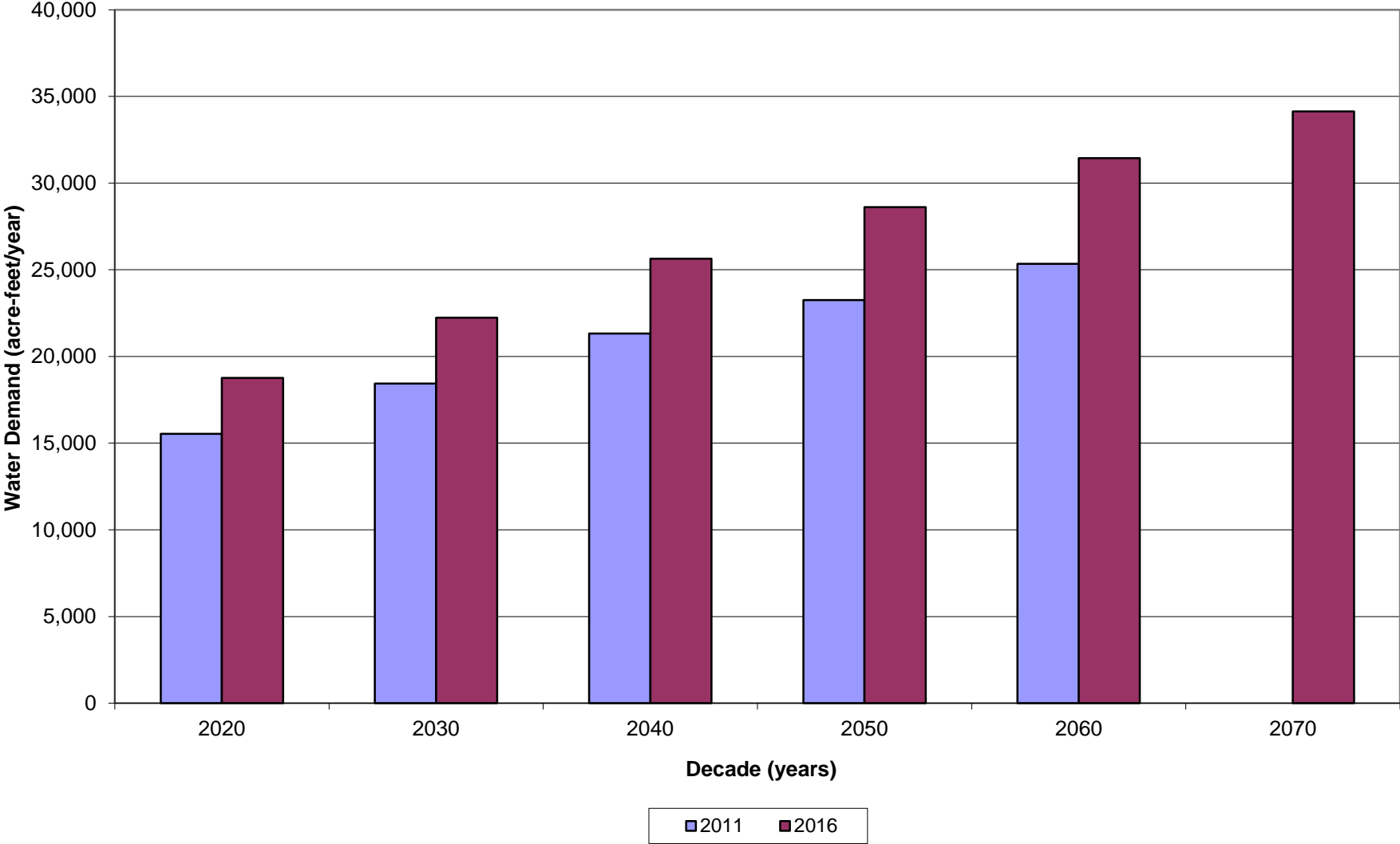
Bastrop County Total Water Demand Comparison



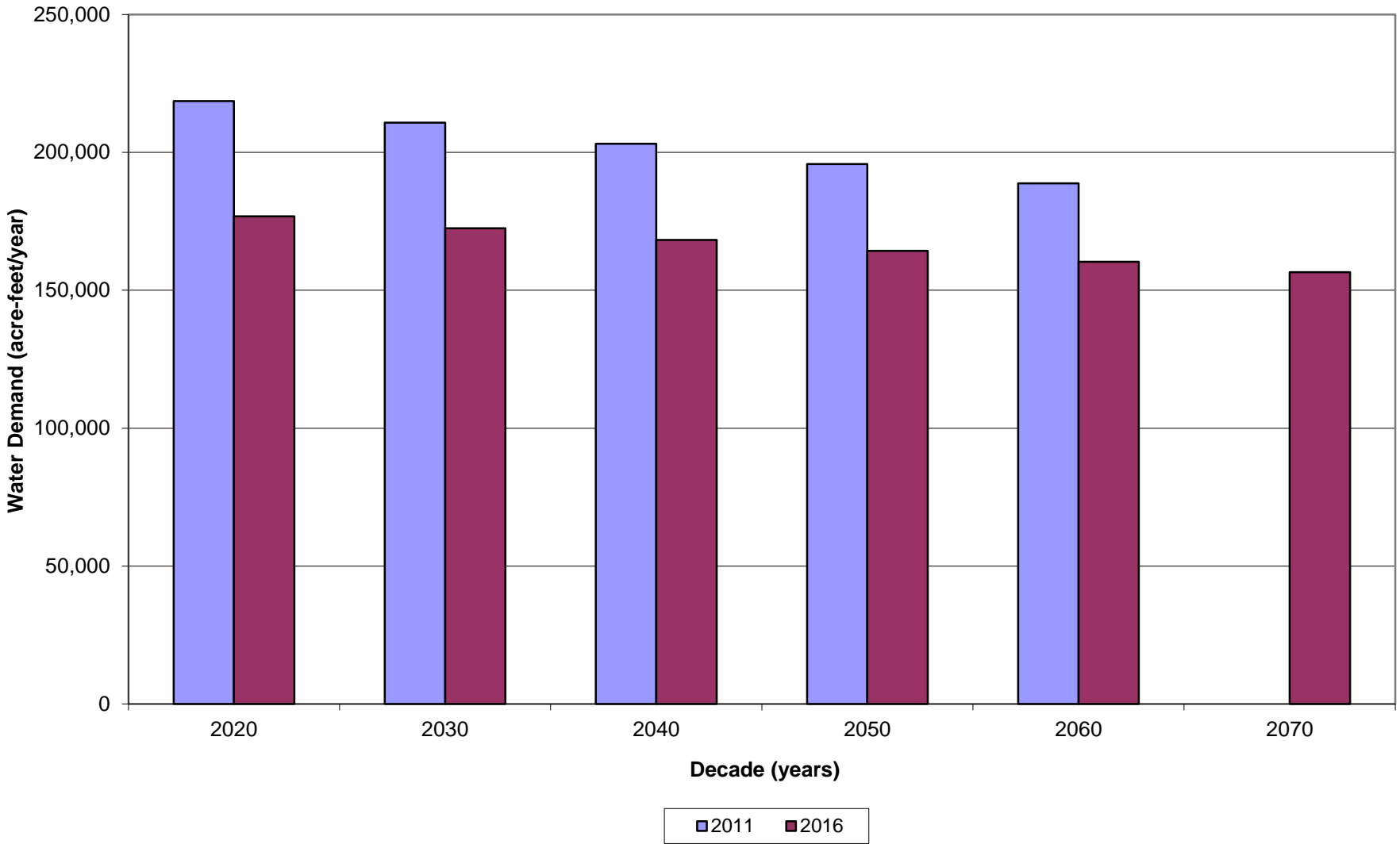
**Blanco County
Total Water Demand Comparison**



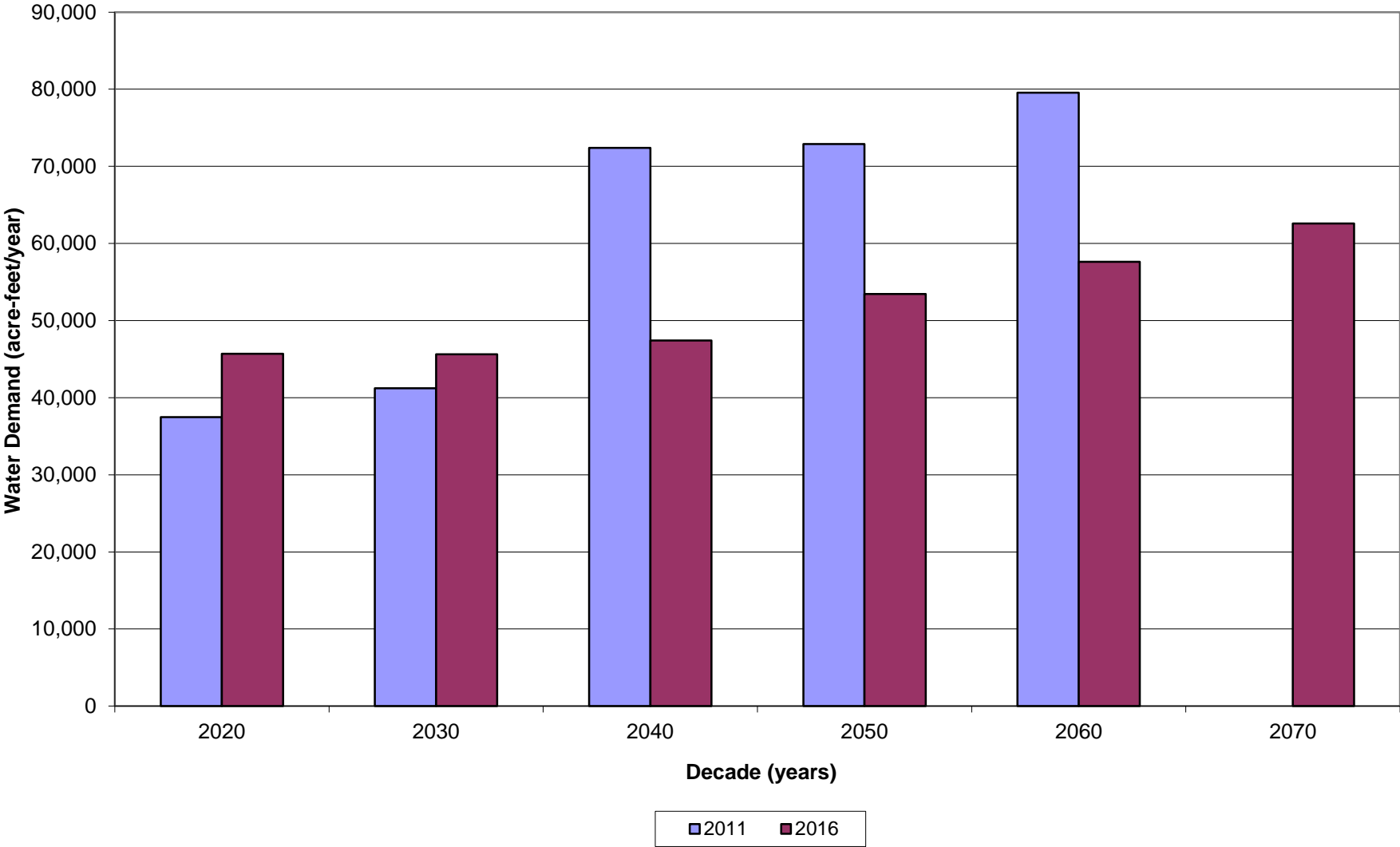
Burnet County Total Water Demand Comparison



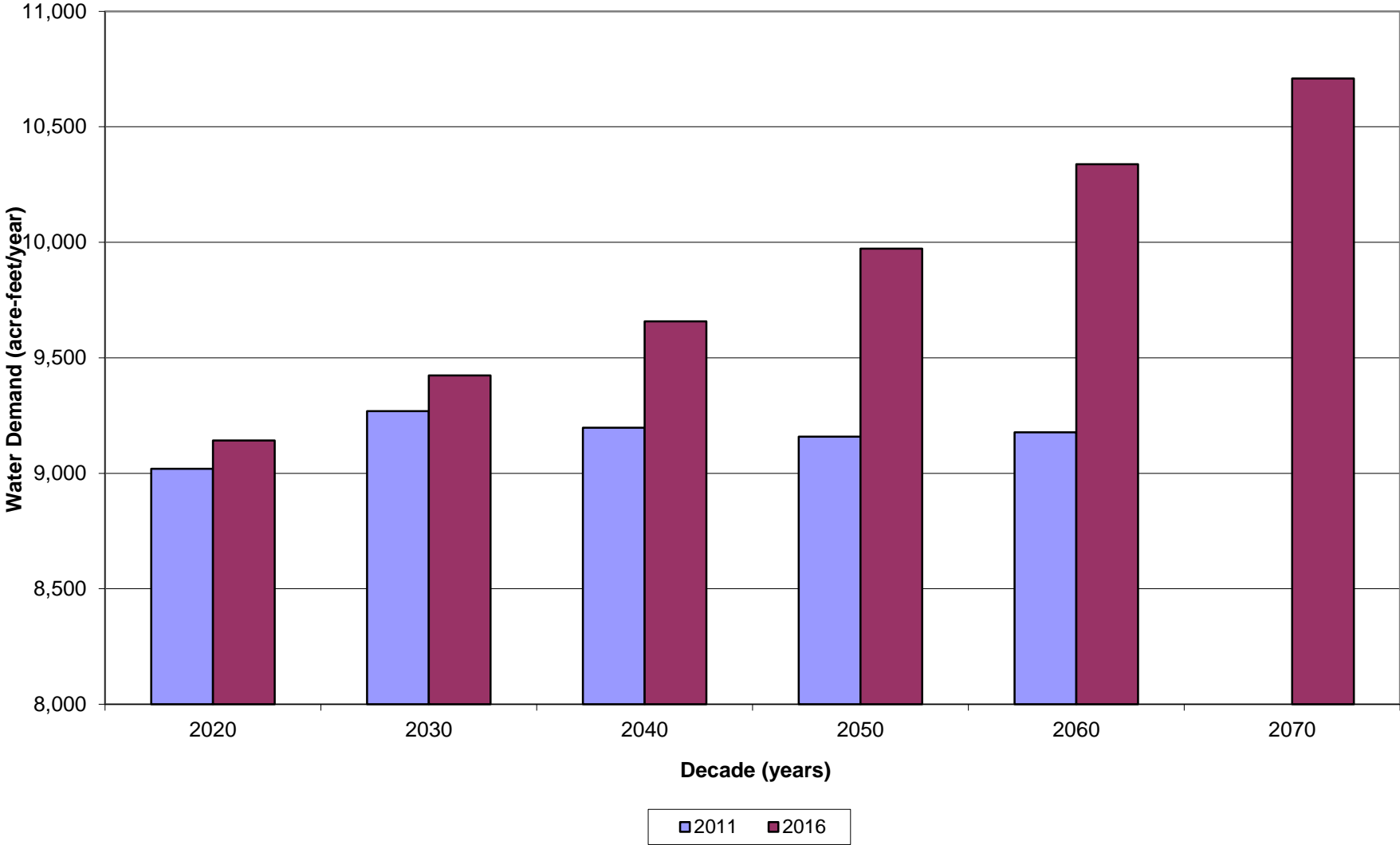
Colorado County Total Water Demand Comparison



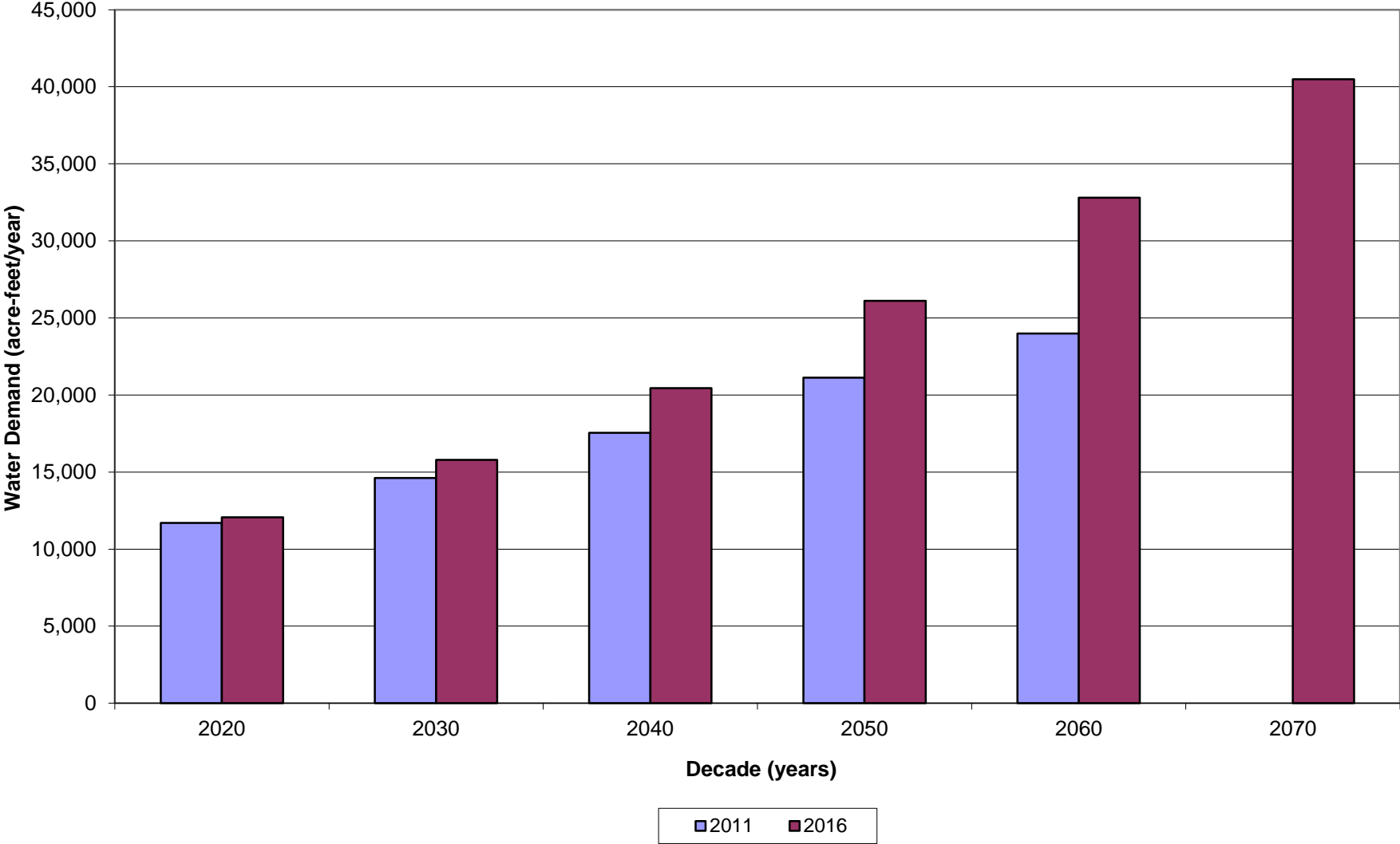
Fayette County Total Water Demand Comparison



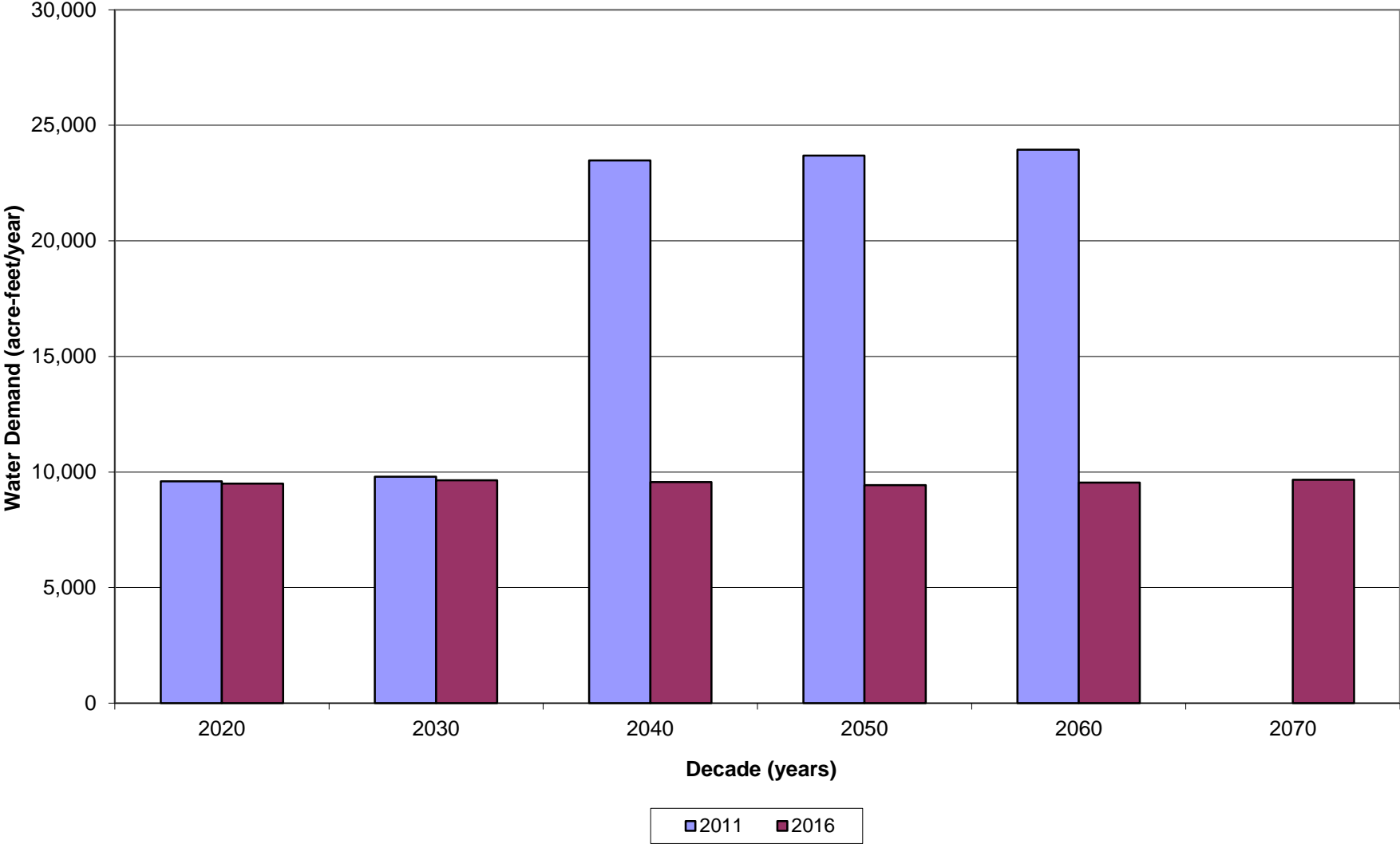
Gillespie County Total Water Demand Comparison



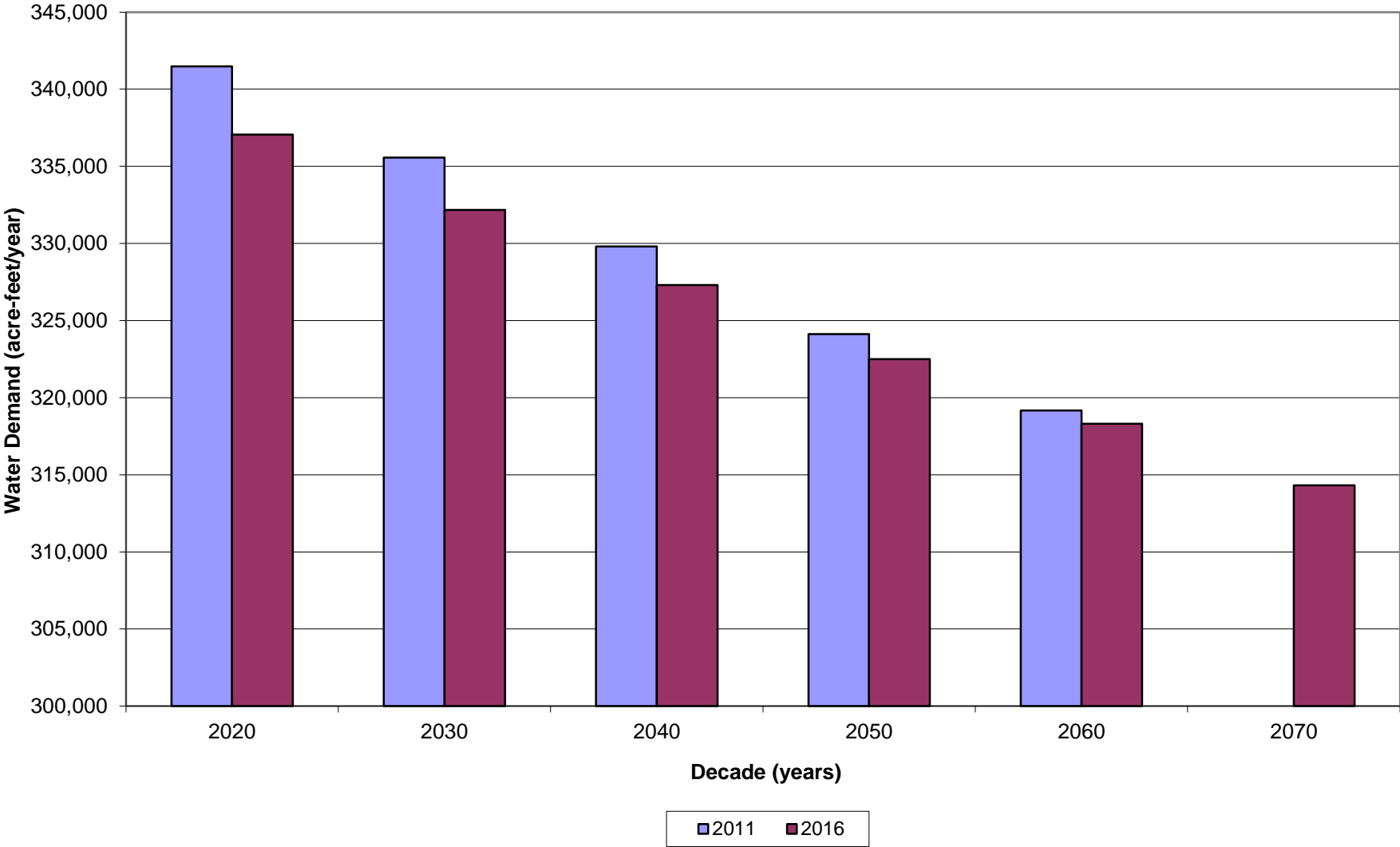
Hays County (Partial) Total Water Demand Comparison



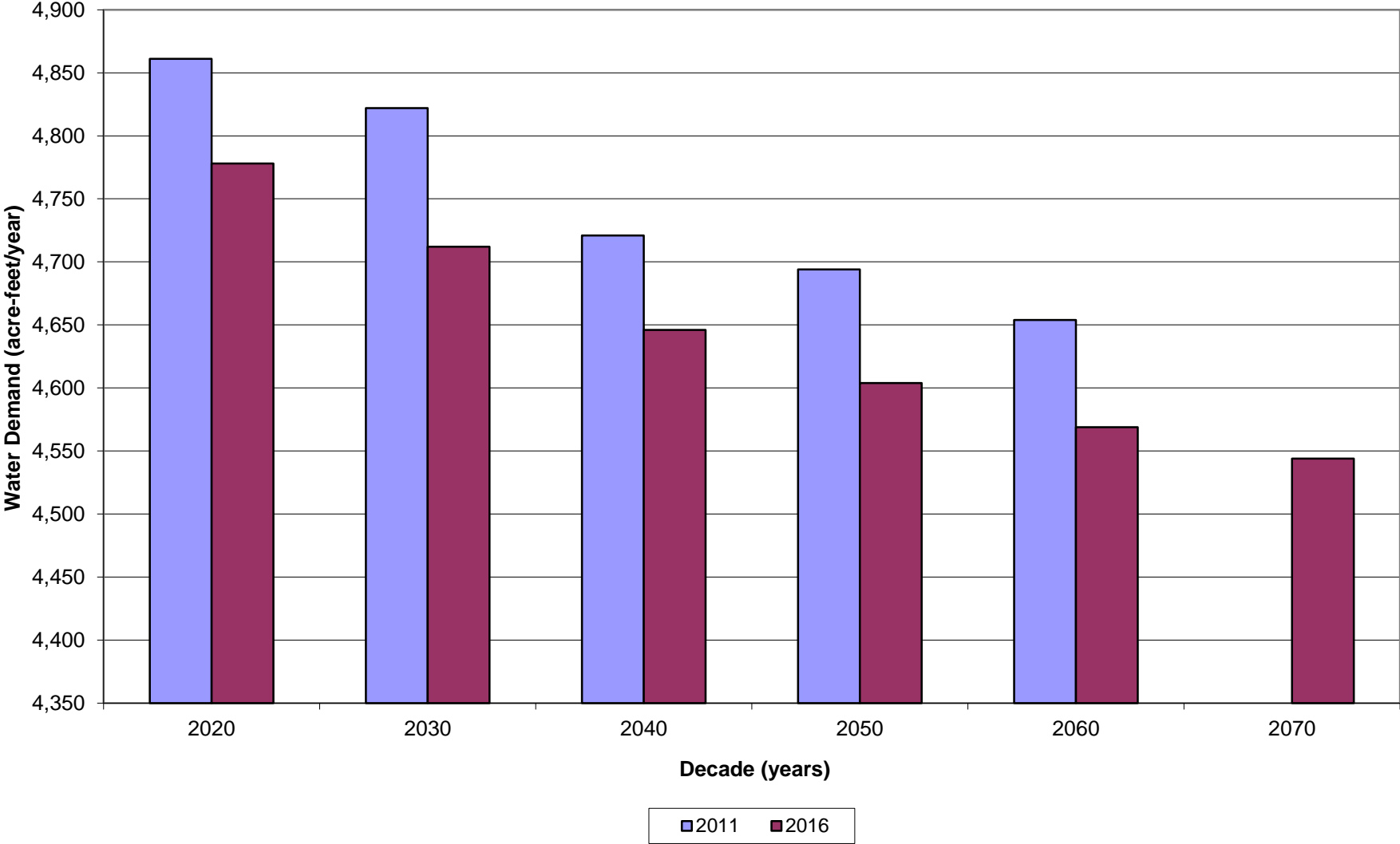
**Llano County
Total Water Demand Comparison**



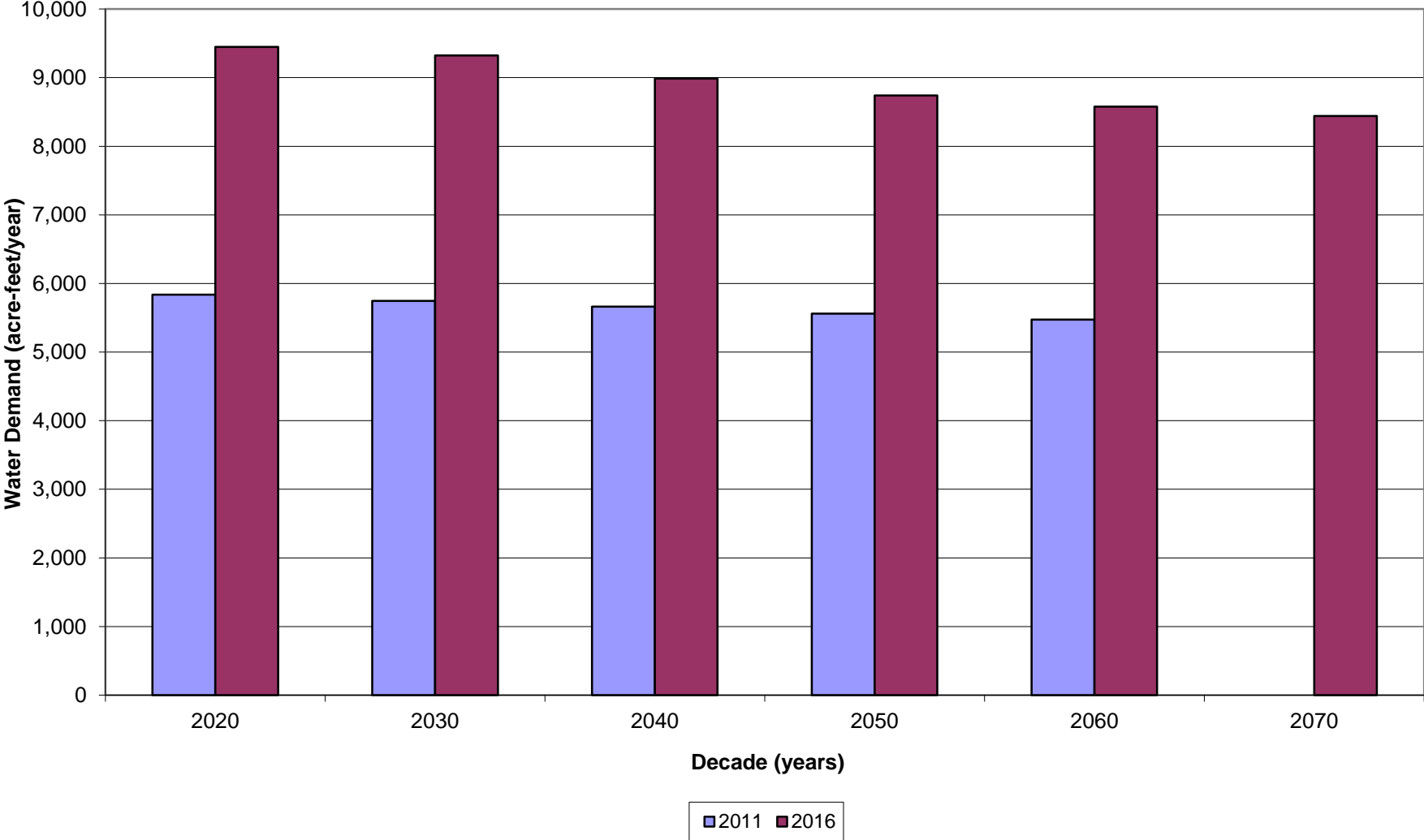
Matagorda County Total Water Demand Comparison



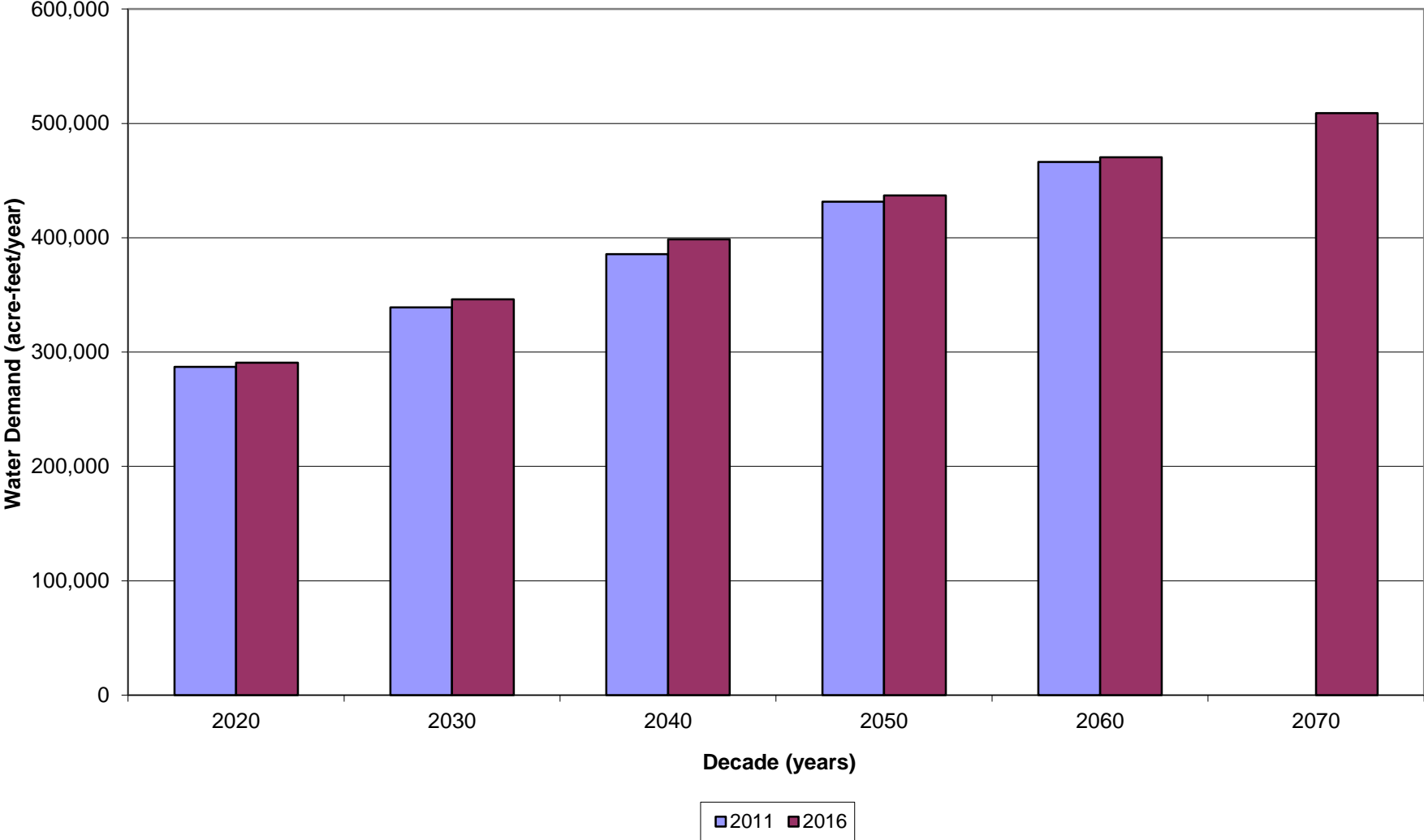
**Mills County
Total Water Demand Comparison**



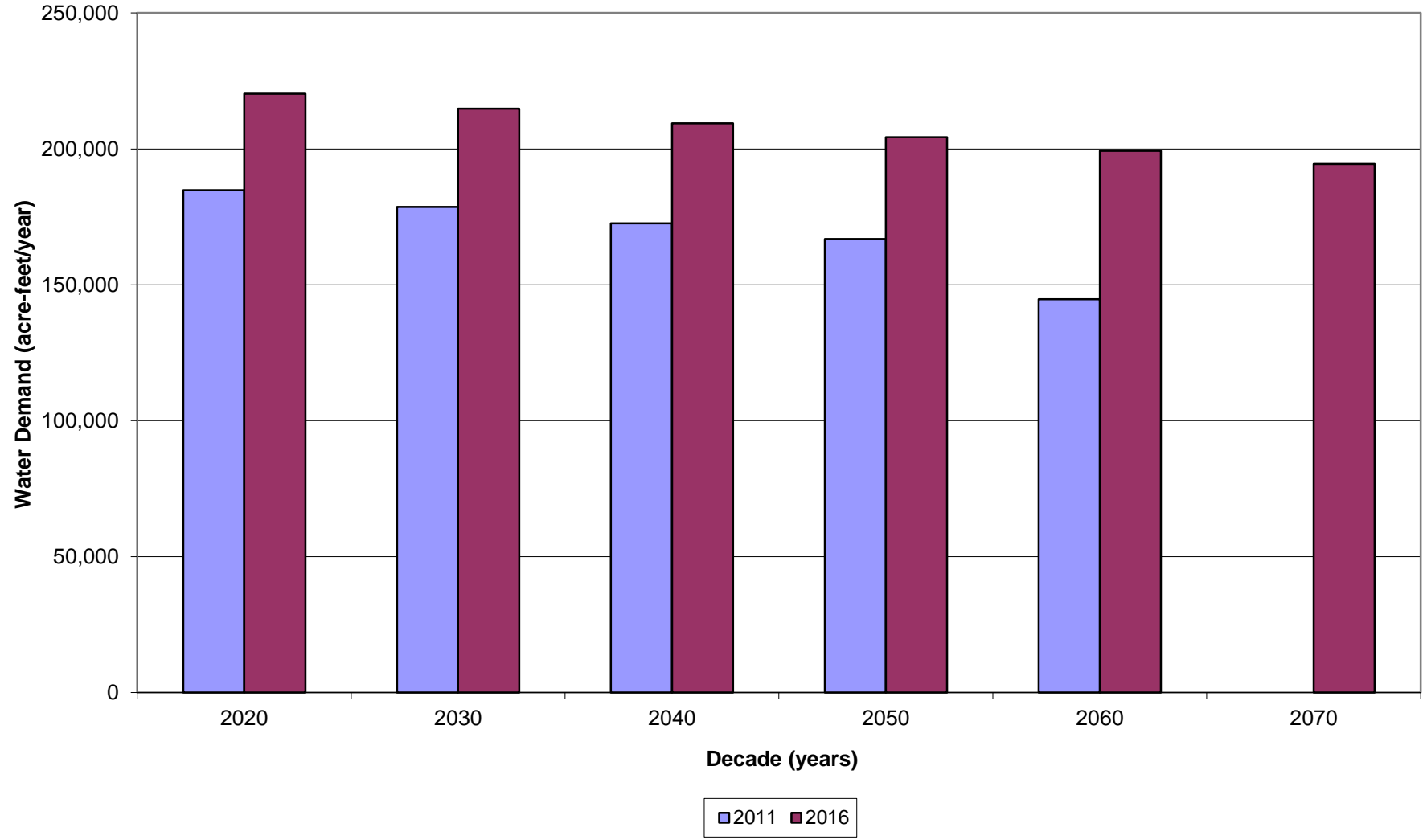
**San Saba County
Total Water Demand Comparison**



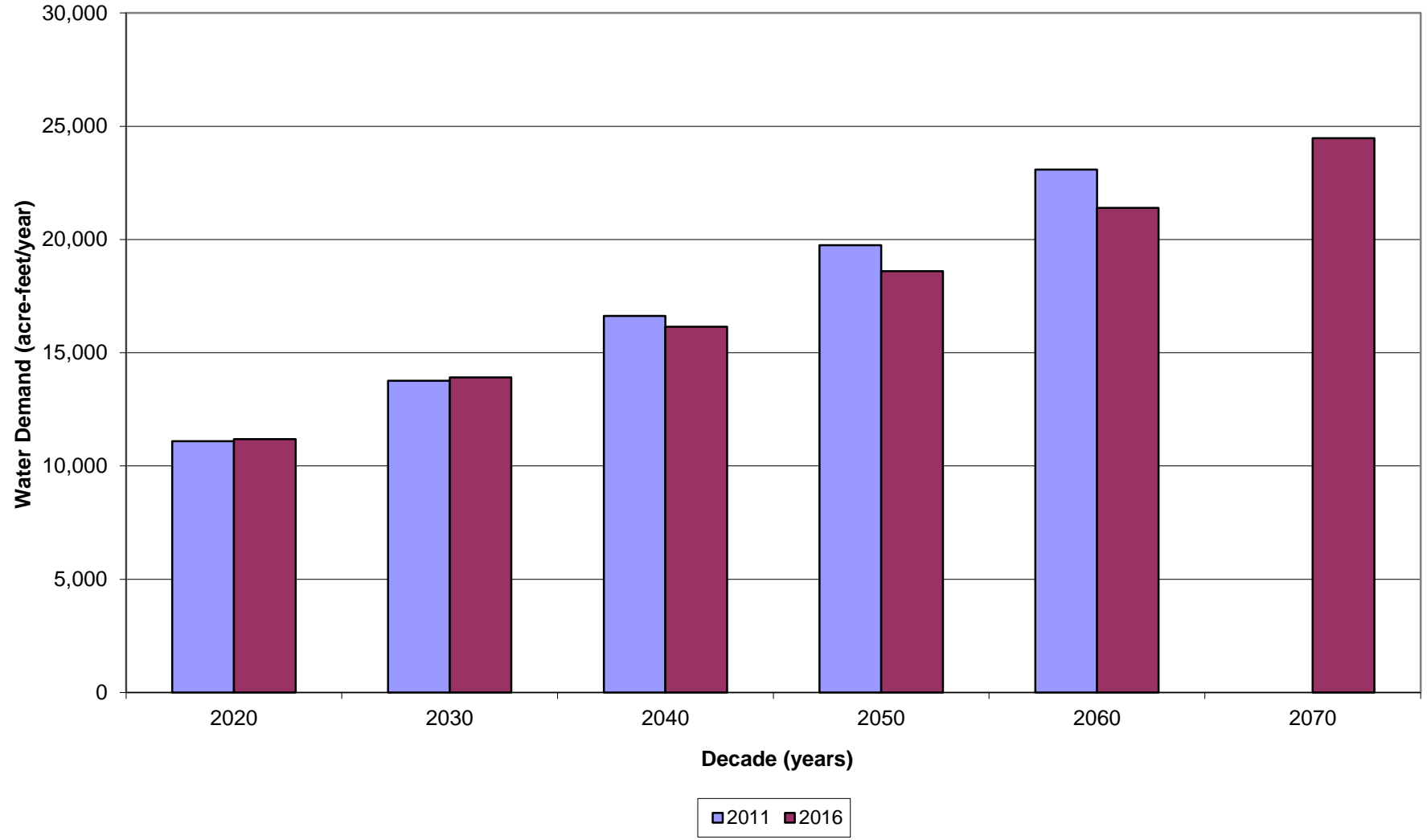
Travis County Total Water Demand Comparison



**Wharton County (Partial)
Total Water Demand Comparison**



**Williamson County (Partial)
Total Water Demand Comparison**



THIS PAGE LEFT BLANK INTENTIONALLY