



Presentation on Socioeconomic Impacts for the DFC Explanatory Report as they relate to the Yegua-Jackson Aquifer presented to GMA12

April 2, 2026

Socioeconomic Impacts

- TWC Section 36.108(d)(6) - socioeconomic impacts reasonably expected to occur
- TAC, Title 31, Chapter 357.40(a) RWPs shall include a quantitative description of the socioeconomic impacts of not meeting the identified water needs pursuant to §357.33(c) of this title (relating to Needs Analysis: Comparison of Water Supplies and Demands).

Socioeconomic Impacts Analysis

- Data from Regional Water Plans
- Attempt to measure the impacts in the event that water user groups do not meet their identified water supply needs associated with normal and drought conditions
- Impacts examined
 - Sales, income, tax revenue
 - Jobs
 - Population
 - School enrollment
- Results incorporated into final RWP

Water Supply Needs and DFCs

- Socioeconomic impact of not meeting water supply needs vs. impact of proposed DFCs
 - Output: Total production of goods and services measured by gross sales revenues
 - Final sales: Sales to end user in a region and exports out of region
 - Employment: Number of full- and part-time jobs required by given industry
 - Regional income: Total payroll cost paid by industries, corporate income, rental income, and interest payments
 - Business taxes: Sales, excise, fees, licenses and other taxes paid during normal operations

Fayette County GCD

- 2026 Region K Water Plan
 - Appendix 6.A Socioeconomic Impacts of Projected Shortages for Region K
 - The Yegua-Jackson is the sole source of water for the Cities of Flatonia and La Grange.
 - No groundwater strategies identified for Fayette County for any aquifer

Fayette County GCD Impact Examples

		Income losses (\$ millions)						At risk job losses					
County	Water Use Category	2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
Fayette	Municipal	-	\$ 0.02	\$ 0.01	\$ 0.08	\$ 0.21	\$ 0.24	-	0	0	1	2	3
Fayette Total		-	\$ 0.02	\$ 0.01	\$ 0.08	\$ 0.21	\$ 0.24	-	0	0	1	2	3



Brazos Valley GCD

- 2026 Brazos G Regional Water Plan
 - Appendix G: Economic Impacts of Not Meeting Needs
 - Nothing specifically identified for the Yegua-Jackson Aquifer
 - WMS identified
 - Wellborn SUD (WMS 5431)
 - Brazos County Other (WMS 5432)
 - Brazos Mining (WMS 5433)

Brazos Valley GCD Impact Examples

County	Water Use Category	Income losses (\$ millions)						At risk job losses					
		2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
Brazos	Mining	\$ 792.39	\$ 829.38	\$ 865.52	\$ 882.91	\$ 902.15	\$ 929.42	1,636	1,712	1,787	1,823	1,863	1,919
Brazos	Municipal	\$ 249.61	\$ 225.26	\$ 356.28	\$ 487.65	\$ 611.96	\$ 769.47	3,523	3,180	5,029	6,883	8,638	10,862
Brazos	Steam Electric Power	\$ 6.33	\$ 5.97	\$ 5.97	\$ 5.97	\$ 5.97	\$ 5.97	-	-	-	-	-	-
Brazos Total		\$ 1,048.33	\$ 1,060.62	\$ 1,227.77	\$ 1,376.53	\$ 1,520.09	\$ 1,704.87	5,160	4,892	6,816	8,706	10,501	12,781
Robertson	Irrigation	\$1.06	\$1.05	\$1.10	\$1.13	\$1.15	\$1.15	32	32	33	34	34	34
Robertson	Municipal	\$0.12	\$0.06	\$0.08	\$0.21	\$0.34	\$0.38	2	1	1	3	5	5
Robertson	Steam Electric Power	\$176.92	\$181.96	\$187.00	\$192.02	\$197.06	\$202.10	-	-	-	-	-	-
Robertson Total		\$178.10	\$183.07	\$188.19	\$193.35	\$198.55	\$203.63	33	32	34	37	39	40



Post Oak Savannah GCD

- 2026 Brazos G Regional Water Plan
 - Appendix G: Economic Impacts of Not Meeting Needs
 - Nothing specifically identified for the Yegua-Jackson Aquifer
 - WMS identified in RWP
 - none

Post Oak Savannah GCD Impact Examples

		Income losses (\$ millions)						At risk job losses					
County	Water Use Category	2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
Burleson	Manufacturing	\$ 0.33	\$ 0.47	\$ 0.61	\$ 0.81	\$ 1.03	\$ 1.26	3	4	6	7	9	11
Burleson	Mining	\$ 2,847.61	\$ 2,847.61	\$ 2,847.61	\$ 2,847.61	\$ 2,847.61	\$ 2,847.61	5,880	5,880	5,880	5,880	5,880	5,880
Burleson Total		\$ 2,847.94	\$ 2,848.08	\$ 2,848.22	\$ 2,848.42	\$ 2,848.64	\$ 2,848.87	5,883	5,884	5,885	5,887	5,889	5,891
Milam	Mining	\$ 598.59	\$ 601.71	\$ 597.81	\$ 596.25	\$ 597.03	\$ 597.81	1,243	1,250	1,242	1,238	1,240	1,242
Milam	Municipal	\$ 0.32	\$ 0.48	\$ 0.71	\$ 0.97	\$ 1.29	\$ 1.48	5	7	10	14	18	21
Milam Total		\$ 598.91	\$ 602.19	\$ 598.52	\$ 597.22	\$ 598.32	\$ 599.29	1,248	1,257	1,252	1,252	1,258	1,263



Lost Pines GCD

- 2026 Brazos G Regional Water Plan - Lee County
 - Yegua-Jackson aquifer is designated as non-relevant with no adopted DFC
- 2026 Region K Water Plan - Bastrop County
 - Yegua-Jackson aquifer is designated as non-relevant with no adopted DFC

Mid-East Texas GCD

- Region H Water Planning Group, 2026 Regional Water Plan
 - Appendix 6-E Socioeconomic Impacts of Unmet Needs
 - WMS needs identified for Yegua-Jackson
 - Expanded use of groundwater (Madisonville)
 - Expanded use of groundwater (TDJC Ferguson Unit)

Mid-East Texas GCD Impact Examples

County	Water Use Category	Income losses (\$ millions)						At risk job losses					
		2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
Madison	Irrigation	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.04	3	3	3	3	3	3
Madison	Livestock	\$ 56.86	\$ 56.86	\$ 56.86	\$ 56.86	\$ 56.86	\$ 56.86	1,224	1,224	1,224	1,224	1,224	1,224
Madison	Mining	\$ 482.63	\$ 482.63	\$ 482.63	\$ 482.63	\$ 482.63	\$ 482.63	2,142	2,142	2,142	2,142	2,142	2,142
Madison	Municipal	\$ 5.12	\$ 0.14	\$ 0.02	\$ 0.02	\$ 0.03	\$ 0.03	56	2	0	0	0	0
Madison Total		\$ 544.65	\$ 539.67	\$ 539.55	\$ 539.56	\$ 539.56	\$ 539.57	3,425	3,371	3,369	3,369	3,369	3,369

Potential Socioeconomic Impact of Proposed DFCs

- TWC Chapter 36.108(d) and (d)(6): "The districts shall consider groundwater availability models and other data or information for the management area and shall propose for adoption desired future conditions for the relevant aquifers within the management area. Before voting on the proposed desired future conditions of the aquifers...the districts shall consider **socioeconomic impacts reasonably expected to occur;**"

Potential Socioeconomic Impact of Proposed DFCs (cont.)

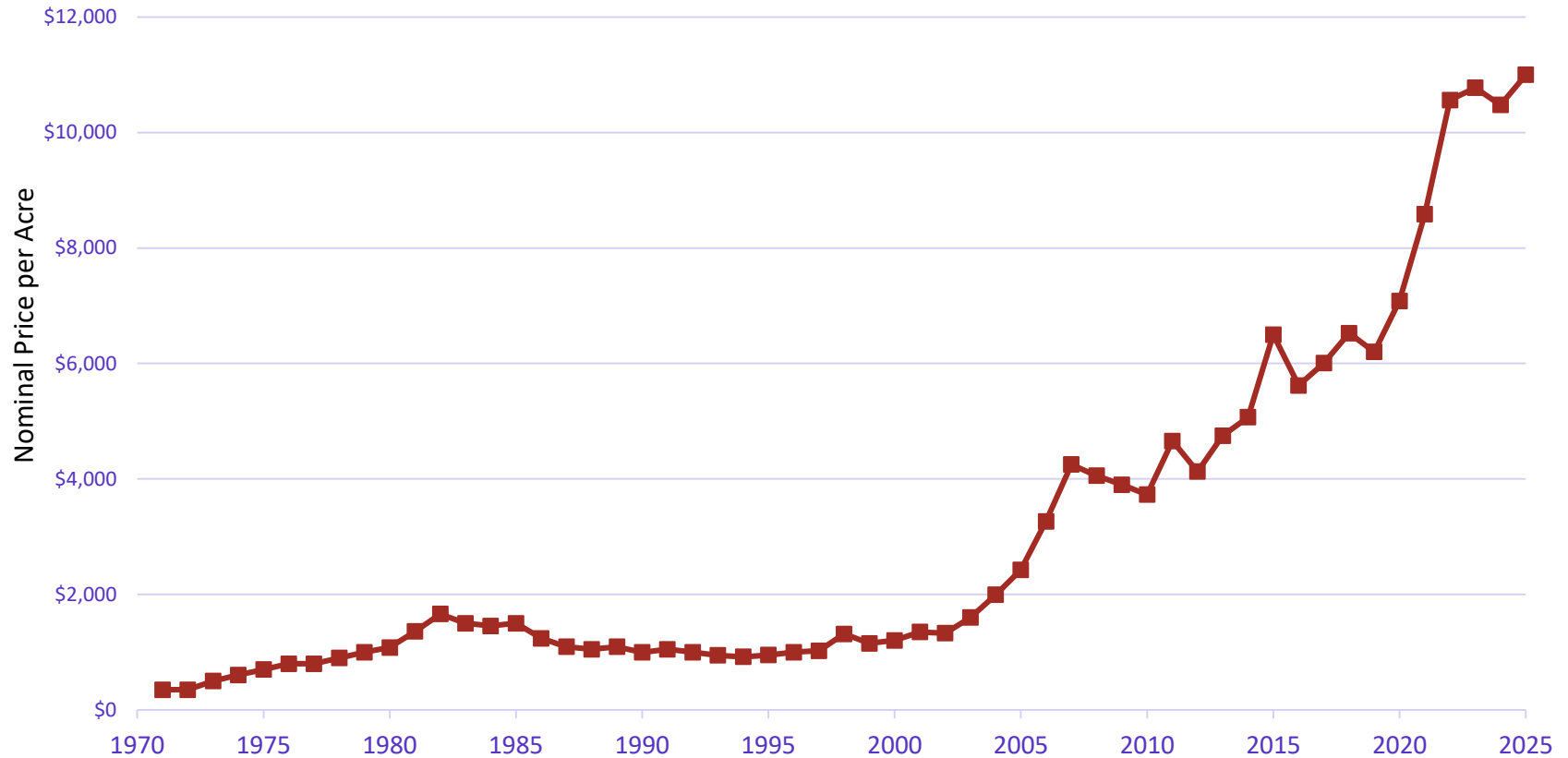
- Both positive and negative impacts may potentially result from implementation of proposed DFCs.
 - May require conversion of part of all of a supply to an alternative supply/supplies, which may result in increased costs (infrastructure, O&M)
 - May reduce the costs of groundwater pumping equipment and/or new well construction
 - Should help ensure part or all of a long-term supply for an area.

Potential Socioeconomic Impact of Proposed DFCs (cont.)

- Proposed DFCs may serve to sustain/enhance economic growth due to assurances provided by an adequate and/or diversified water portfolio.
- Alternatives to proposed DFCs may result in short-term reduction in utility rates due to reduction in cost of water management strategy implementation.
- Alternatives to proposed DFCs may result in significant but unquantified production costs due to lower pumping rates from wells or continuing lower water levels in wells.
- Alternatives to proposed DFCs may result in a reduced or larger groundwater supply being available on a long term basis.

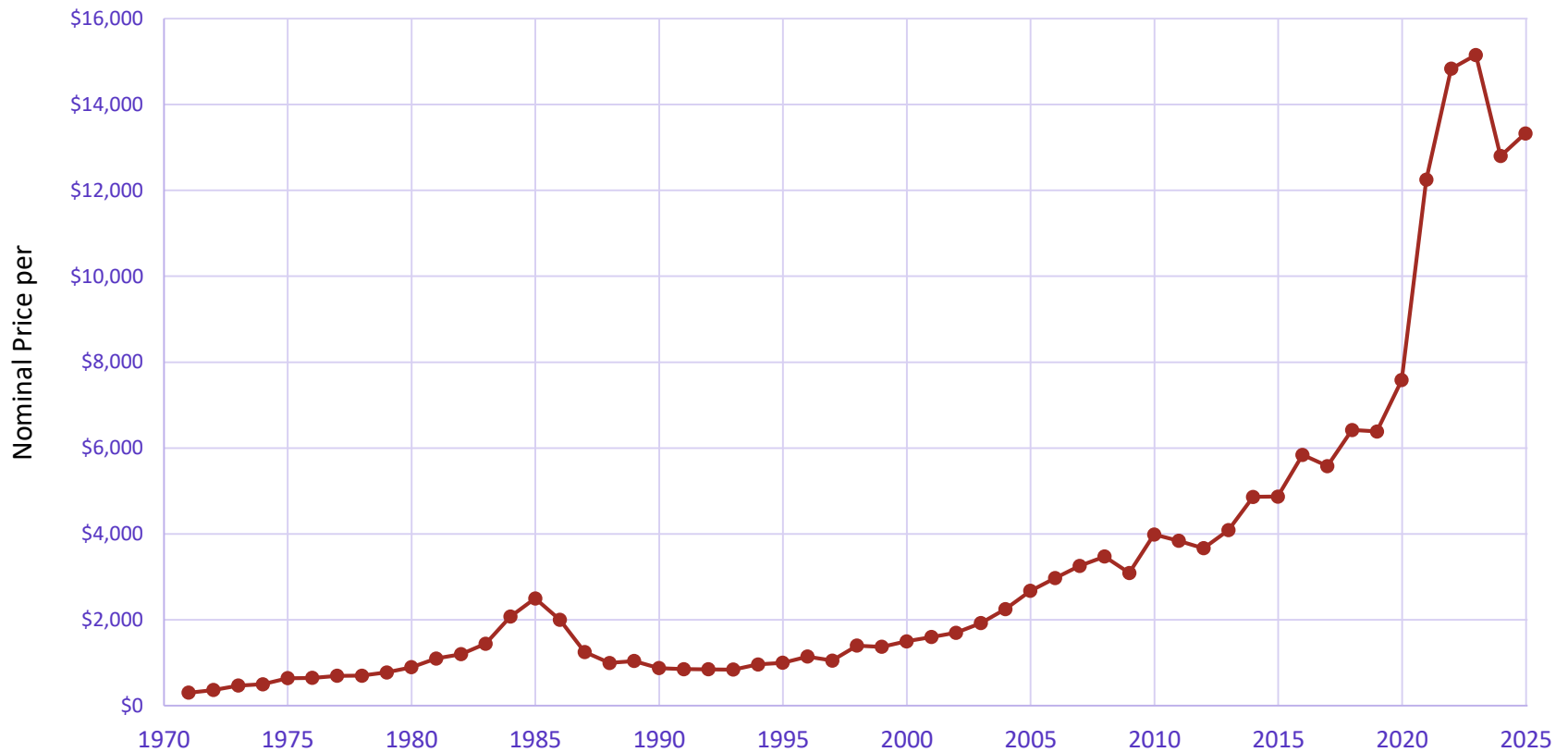
Rural Land Price Data - Brazos (LMA 27)

Washington, Burleson, Milam, Brazos, Robertson, Grimes, Madison, and Leon Counties



Blacklands - South (LMA 26)

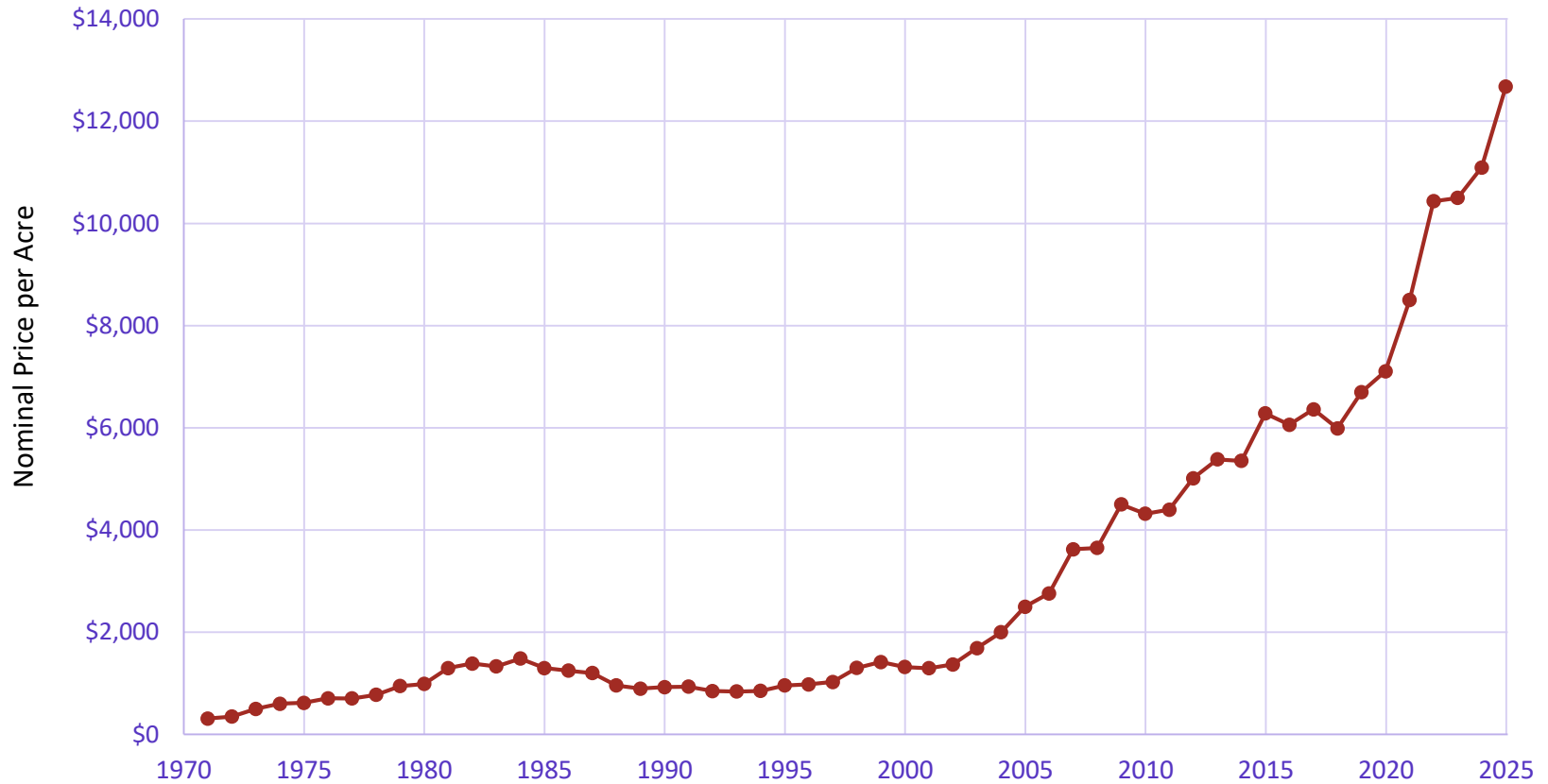
Hays, Travis, Williamson, Milam, Caldwell, Bastrop, and Lee Counties





Coastal Prairie North (LMA 19)

Fayette, Gonzales, DeWitt, Lavaca, and Colorado Counties



Source: TAMU Real Estate Research Center
<https://trerc.tamu.edu/data/rural-land/?data-LMA=Coastal+Prairie+-+North+%28LMA+19%29>



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