

## Data for "In Texas, Freshwater Use For Oil And Gas Should Be Reduced Strategically"

By Virginia Palacios. Environmental Defense Fund. April 9, 2013.

### Water use data sources

Nicot, J.-P., Reedy, R. C., Costley, R. A., & Huang, Y. (2012). Oil & Gas Water Use in Texas : Update to the 2011 Mining Water Use Report. Retrieved from

[http://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2016/current\\_docs.asp](http://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2016/current_docs.asp)

Texas Water Development Board. 2012. County water demand, supply, need, and unmet needs projections 2011 to 2060. Accessed upon request.

### Score system

Counties received one point for each criteria met. Counties with a score of 2 or higher were classified as a current high priority county for reducing oil and gas water use. Counties with a score of one will potentially acquire high priority status in the future for water use reduction in the oil and gas sector.

County	2011 oil and gas water use made up at least 25% of countywide water demand	2020 oil and gas water use will be equal to at least 25% of the county's projected unmet water needs	2020 unmet needs can be met entirely by cutting oil and gas water use by 50%	County has/will have both oil and gas development taking place from 2011 - 2060 AND water use restrictions were in effect there April 3, 2013	One of 13 counties where more than 50% of state oil and gas water was used in 2011	Score	Map classification
ANDERSON				1		1	Potential future priority
ANDREWS		1			1	2	Current high priority
ANGELINA				1		1	Potential future priority
ARANSAS						0	NONE
ARCHER				1		1	Potential future priority
ARMSTRONG				1		1	Potential future priority
ATASCOSA				1		1	Potential future priority
AUSTIN				1		1	Potential future priority
BAILEY						0	NONE
BANDERA				1		1	Potential future priority
BASTROP				1		1	Potential future priority
BAYLOR				1		1	Potential future priority
BEE				1		1	Potential future priority
BELL				1		1	Potential future priority
BEXAR				1		1	Potential future priority
BLANCO				1		1	Potential future priority
BORDEN		1				1	Potential future priority
BOSQUE				1		1	Potential future priority
BOWIE						0	NONE
BRAZORIA				1		1	Potential future priority
BRAZOS						0	NONE
BREWSTER						0	NONE
BRISCOE				1		1	Potential future priority
BROOKS						0	NONE
BROWN				1		1	Potential future priority
BURLESON						0	NONE
BURNET				1		1	Potential future priority

CALDWELL				1		1	Potential future priority
CALHOUN				1		1	Potential future priority
CALLAHAN						0	NONE
CAMERON				1		1	Potential future priority
CAMP				1		1	Potential future priority
CARSON						0	NONE
CASS						0	NONE
CASTRO				1		1	Potential future priority
CHAMBERS				1		1	Potential future priority
CHEROKEE				1		1	Potential future priority
CHILDRESS				1		1	Potential future priority
CLAY				1		1	Potential future priority
COCHRAN				1		1	Potential future priority
COKE		1		1		2	Current high priority
COLEMAN				1		1	Potential future priority
COLLIN				1		1	Potential future priority
COLLINGSWORTH				1		1	Potential future priority
COLORADO				1		1	Potential future priority
COMAL				1		1	Potential future priority
COMANCHE				1		1	Potential future priority
CONCHO				1		1	Potential future priority
COOKE				1		1	Potential future priority
CORYELL				1		1	Potential future priority
COTTLE						0	NONE
CRANE				1		1	Potential future priority
CROCKETT				1		1	Potential future priority
CROSBY		1	1	1		3	Current high priority
CULBERSON						0	NONE
DALLAM				1		1	Potential future priority
DALLAS				1		1	Potential future priority
DAWSON				1		1	Potential future priority
DEAF SMITH						0	NONE
DELTA				1		1	Potential future priority
DENTON				1	1	2	Current high priority
DEWITT	1					1	Potential future priority
DICKENS				1		1	Potential future priority
DIMMIT	1			1	1	3	Current high priority
DONLEY				1		1	Potential future priority
DUVAL						0	NONE
EASTLAND				1		1	Potential future priority
ECTOR		1		1		2	Current high priority
EDWARDS				1		1	Potential future priority
EL PASO						0	NONE
ELLIS				1		1	Potential future priority
ERATH				1		1	Potential future priority
FALLS				1		1	Potential future priority
FANNIN				1		1	Potential future priority

FAYETTE				1		1	Potential future priority
FISHER				1		1	Potential future priority
FLOYD						0	NONE
FOARD				1		1	Potential future priority
FORT BEND				1		1	Potential future priority
FRANKLIN						0	NONE
FREESTONE				1		1	Potential future priority
FRIO						0	NONE
GAINES				1		1	Potential future priority
GALVESTON				1		1	Potential future priority
GARZA		1		1		2	Current high priority
GILLESPIE				1		1	Potential future priority
GLASSCOCK						0	NONE
GOLIAD						0	NONE
GONZALES				1		1	Potential future priority
GRAY						0	NONE
GRAYSON				1		1	Potential future priority
GREGG				1		1	Potential future priority
GRIMES						0	NONE
GUADALUPE				1		1	Potential future priority
HALE						0	NONE
HALL				1		1	Potential future priority
HAMILTON						0	NONE
HANSFORD						0	NONE
HARDEMAN				1		1	Potential future priority
HARDIN						0	NONE
HARRIS				1		1	Potential future priority
HARRISON				1		1	Potential future priority
HARTLEY						0	NONE
HASKELL				1		1	Potential future priority
HAYS				1		1	Potential future priority
HEMPHILL						0	NONE
HENDERSON				1		1	Potential future priority
HIDALGO				1		1	Potential future priority
HILL				1		1	Potential future priority
HOCKLEY				1		1	Potential future priority
HOOD				1		1	Potential future priority
HOPKINS				1		1	Potential future priority
HOUSTON				1		1	Potential future priority
HOWARD				1		1	Potential future priority
HUDSPETH				1		1	Potential future priority
HUNT				1		1	Potential future priority
HUTCHINSON						0	NONE
IRION	1	1	1	1		4	Current high priority
JACK				1		1	Potential future priority
JACKSON				1		1	Potential future priority
JASPER				1		1	Potential future priority

JEFF DAVIS						0	NONE
JEFFERSON				1		1	Potential future priority
JIM HOGG						0	NONE
JIM WELLS				1		1	Potential future priority
JOHNSON				1	1	2	Current high priority
JONES						0	NONE
KARNES	1			1	1	3	Current high priority
KAUFMAN				1		1	Potential future priority
KENDALL				1		1	Potential future priority
KENEDY						0	NONE
KENT						0	NONE
KERR				1		1	Potential future priority
KIMBLE				1		1	Potential future priority
KING	1			1	1	3	Current high priority
KINNEY						0	NONE
KLEBERG				1		1	Potential future priority
KNOX				1		1	Potential future priority
LA SALLE					1	1	Potential future priority
LAMAR				1		1	Potential future priority
LAMB				1		1	Potential future priority
LAMPASAS	1			1		2	Current high priority
LAVACA						0	NONE
LEE				1		1	Potential future priority
LEON				1		1	Potential future priority
LIBERTY				1		1	Potential future priority
LIMESTONE				1		1	Potential future priority
LIPSCOMB						0	NONE
LIVE OAK		1	1	1		3	Current high priority
LLANO				1		1	Potential future priority
LOVING	1					1	Potential future priority
LUBBOCK				1	1	2	Current high priority
LYNN		1	1			2	Current high priority
MADISON						0	NONE
MARION						0	NONE
MARTIN						0	NONE
MASON				1		1	Potential future priority
MATAGORDA				1		1	Potential future priority
MAVERICK						0	NONE
MCCULLOCH				1		1	Potential future priority
MCLENNAN				1		1	Potential future priority
MCMULLEN						0	NONE
MEDINA				1		1	Potential future priority
MENARD		1		1		2	Current high priority
MIDLAND				1		1	Potential future priority
MILAM						0	NONE
MILLS				1		1	Potential future priority
MITCHELL				1		1	Potential future priority

MONTAGUE	1			1	1	3	Current high priority
MONTGOMERY				1		1	Potential future priority
MOORE						0	NONE
MORRIS						0	NONE
MOTLEY		1				1	Potential future priority
NACOGDOCHES				1		1	Potential future priority
NAVARRO				1		1	Potential future priority
NEWTON				1		1	Potential future priority
NOLAN				1		1	Potential future priority
NUECES				1		1	Potential future priority
OCHITREE						0	NONE
OLDHAM						0	NONE
ORANGE				1		1	Potential future priority
PALO PINTO				1		1	Potential future priority
PANOLA				1		1	Potential future priority
PARKER				1		1	Potential future priority
PARMER				1		1	Potential future priority
PECOS				1		1	Potential future priority
POLK				1		1	Potential future priority
POTTER				1		1	Potential future priority
PRESIDIO						0	NONE
RAINS				1		1	Potential future priority
RANDALL				1		1	Potential future priority
REAGAN		1				1	Potential future priority
REAL				1		1	Potential future priority
RED RIVER						0	NONE
REEVES				1		1	Potential future priority
REFUGIO						0	NONE
ROBERTS						0	NONE
ROBERTSON				1		1	Potential future priority
ROCKWALL				1		1	Potential future priority
RUNNELS				1		1	Potential future priority
RUSK				1		1	Potential future priority
SABINE				1		1	Potential future priority
SAN AUGUSTINE	1			1		2	Current high priority
SAN JACINTO				1		1	Potential future priority
SAN PATRICIO				1		1	Potential future priority
SAN SABA				1		1	Potential future priority
SCHLEICHER						0	NONE
SCURRY				1		1	Potential future priority
SHACKELFORD		1	1	1		3	Current high priority
SHELBY				1		1	Potential future priority
SHERMAN						0	NONE
SMITH				1		1	Potential future priority
SOMERVELL				1		1	Potential future priority
STARR				1		1	Potential future priority
STEPHENS	1			1	1	3	Current high priority

STERLING				1		1	Potential future priority
STONEWALL	1			1		2	Current high priority
SUTTON						0	NONE
SWISHER						0	NONE
TARRANT				1	1	2	Current high priority
TAYLOR				1		1	Potential future priority
TERRELL	1					1	Potential future priority
TERRY						0	NONE
THROCKMORTON				1		1	Potential future priority
TITUS						0	NONE
TOM GREEN				1		1	Potential future priority
TRAVIS				1		1	Potential future priority
TRINITY				1		1	Potential future priority
TYLER						0	NONE
UPSHUR				1		1	Potential future priority
UPTON		1		1		2	Current high priority
UVALDE				1		1	Potential future priority
VAL VERDE				1		1	Potential future priority
VAN ZANDT				1		1	Potential future priority
VICTORIA						0	NONE
WALKER				1		1	Potential future priority
WALLER				1		1	Potential future priority
WARD						0	NONE
WASHINGTON						0	NONE
WEBB		1		1	1	3	Current high priority
WHARTON				1		1	Potential future priority
WHEELER					1	1	Potential future priority
WICHITA				1		1	Potential future priority
WILBARGER				1		1	Potential future priority
WILLACY				1		1	Potential future priority
WILLIAMSON				1		1	Potential future priority
WILSON				1		1	Potential future priority
WINKLER						0	NONE
WISE				1		1	Potential future priority
WOOD				1		1	Potential future priority
YOAKUM				1		1	Potential future priority
YOUNG						0	NONE
ZAPATA				1		1	Potential future priority
ZAVALA				1		1	Potential future priority