

Goliad County Groundwater Conservation District
Performance Review

2016/2017

Adopted 2/26/18

**GCGCD Performance Review
Fiscal Year 2016-2017**

Management Goal	Management Objective		Number of Instances	Staff Time	Budget Expenditure
1. Providing the most efficient use of groundwater	The District will maintain an aquifer water level monitoring network monitoring a minimum of 50 wells in the District annually. The District will continue to require the registration and location of all new and replacement wells drilled within the boundary of the District.	The District will include water level monitoring data on its website and in the Annual Report. The number of wells drilled each year will be included in the Annual Report. The wells are to be reported by category as replacement, new exempt, and new permitted. Annually the District totalizes the water use and allocation.	Performed 132 well measurements for static level. 61 wells were monitored in the fall of 2016 & 71 wells were monitored in the spring of 2017. See item 5 below for report for second Management Objective for this goal. The District participated with TWDB in TexMesonet weather Station. A new monitor well was drilled as a part of the weather station and to be included in the monitoring network.	663 miles and 134 hours	\$4,406.15
2. Controlling and preventing waste of groundwater	Each year the District will sample the water quality in at least 5 selected wells in order to monitor water quality trends and identify if contamination of groundwater is occurring. The District will also make available to well owners a sample service for well water quality analysis, to be paid for by the well owner. When processing an application for a production permit, the District will evaluate and recommend selection of efficient pumping and distribution equipment. For process applications, the District will evaluate reprocessing and recovery options.	Annual report of wells sampled for water quality by the District. Annual report of wells sampled by the District upon request. Recommendations will be included in the approved application.	A total of 16 wells sampled by SARA for landowners throughout the year. 5 of these wells were tested by the District for Radionuclides. The District provides a folder for landowners that includes selection of efficient pumping and water conservation.	90.5 miles, 43 hours. Lab fees in the amount of \$2,524.08 paid for by the District that included Radionuclide Water Sampling event for 5 landowners.	\$3,317.95
3. Controlling and preventing subsidence	The Goliad County Groundwater Conservation District management plan designates that water use from the Gulf Coast Aquifer is to be limited to maintain a sustainable aquifer. Therefore, GCGCD finds that this goal is not applicable to our District.		GMA 15 Subsidence report from DFC Explanatory report. See attachment		
4. Addressing conjunctive surface water management issues	Each year the District will participate in the regional water planning process by attending at least one meeting of Region L Planning Group to encourage the development of alternative water supplies to reduce the reliance on groundwater.	Report the number of Region L meetings attended. <i>(Each year the District will confer at least on one occasion with the San Antonio River Authority (SARA) and the Guadalupe-Blanco River Authority (GBRA) on cooperative opportunities for conjunctive resource management.)</i>	Region L meetings: 11/3/16, 2/2/17, 5/4/17, 8/3/17 - Director serves as planner on Region L representing GMA 15. GBRA Clean Rivers Meeting 3/23/17. Attended SARA Board Meeting 10/16/16 & Parks Forum Meeting 2/9/17.	372 Miles, 36 Hours Director Dohmann and/or General Manager to Region L. 10 hours, 25.5 miles for other meetings attended.	\$904.00

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5. Addressing natural resource issues that impact the use and availability of groundwater and which are impacted by the use of groundwater	Each year the District will locate all of the wells drilled that year for compliance of well spacing including minimum distance from septic systems or other defined potential contamination.	The District will include in the Annual Report a record of any deficiencies found and the corrective action that was taken .Annual well location/inspection report.	64 New Exempt Wells located 3 New Oil and Gas Supply Well 1 Monitor Well 2 Permitted Well Study on Oil Field Road - The District conducted a pump test to collect data on water quality for chlorides. The District monitored water levels and participated in an evaluation by DBS&A, to determine availibilty of groundwater and impacts to surrounding landowners for the City of Kenedy water supply project.	Well locates- 1,478.60 miles, 192 hours. Pump Test - 196.40 miles, 56 hours, other expenses \$1,274.24 City of Kenedy Water Supply Project - 772 miles, 208 Hours	\$11,823.90
6. Addressing drought conditions	Semi-annually the District will update the rainfall for the District for the previous six months.	The District will issue one report semiannually, listing the rainfall values for the county. The following link is included in Management Plan www.twdb.state.tx.us/surfacewater/conditions.drought.index.asp . This is the drought stage map	Posted on website and emailed to County Extension Agent in January and July. The rainfall and water level data is analyzed and compared with historic trends established by the water level monitoring program.	12 hours	\$180.00
7. Addressing Conservation	The District will at least on two occasions each year provide public information on water conservation and waste prevention through presentations at public schools and civic organizations or newspaper articles.	a.) Report the number of speaking appearances made by the District each year. b.) Report the number of newspaper articles published by the District each year.	2 occasions: Water Fest 5/24/17 Big Red Barn 10/13/16	14 hours	\$210.00
Recharge enhancement	The District recommends that the most efficient method for increasing recharge is continued brush and weed control.	The District will publish at least one article annually in the local newspaper on the benefits to the water cycle of controlling the amount of brush on your property. A copy of this article will be included in the annual report to the District Board of Directors and published on the District website.	The District provides a Brush Management and Control article located on the District website and updates the District website with several links to a variety of websites realting to brush management. *Riparian & Stream Ecosystem 12-7-16 workshop.	6 hours	\$90.00

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Rainwater Harvesting	The District will provide current information on rainwater harvesting on the District web site. The District will provide information to the public on rainwater harvesting through literature in the office.	The District will include in the Annual Report the number of persons receiving literature from the office on rainwater harvesting and report any known district application.	4 people came in office and picked up material. The District maintains the District website with information regarding rainwater harvesting.	4 hours	\$60.00
Precipitation enhancement	The District has evaluated a precipitation enhancement program and has determined that it is not appropriate or cost effective. Therefore, the district has determined that a precipitation enhancement goal is not applicable at this time.				
Brush Control	Brush control is extensively practiced in the county and the practice is encouraged by the Farm Service Program and the GCGCD. The District will develop an educational program to inform the stakeholders of the benefits of controlling brush on their property.	The District will publish one article annually in the local newspaper on the benefits to this water cycle of controlling the amount of brush on your property. A copy of this article will be included in the annual report the District.	The District provides a Brush Management and Control article located on the District website and updates the District website with several links to a variety of websites realting to brush management.	Addressed in Recharge Gnancement	
8. Desired Future Conditions	At the end of each fiscal year the District will prepare an updated data sheet of the estimated groundwater pumpage in the District for the past year along with the water level data from goal 1 evaluate trends and changes.	The data and evaluation will be included in the Annual Report. GCGCD has contracted with Daniel B. Stephens & Associates to evaluate measured water level drawdown and groundwater pumpage compared to model results. A number of major issues have been identified regarding model inputs. GCGCD has requested that GMA-15 request a revised model run.	GMA representative and General Manager attended 2 GMA-15 meetings on 5/11/17 & 10/12/17.	144 miles, 16 hours	\$317.00
					Total - \$21,309.00

** The District is a member of GMA-15 that is compromised of thirteen or in part Groundwater Conservation Districts. On April 16, 2016, GMA-15 members adopted the DFC to manage the groundwater resources in such a way as to achieve no more than 13 feet of drawdown for the Gulf Coast Aquifer System for the counties within the managment area and not to exceed 10 feet of drawdown within Goliad County at December 2069. See attached.*