BVGCD Management Plan Objectives
November 2022

Goal/Objective	Performance Standard	Status
1a: Permitting of all existing and new non- exempt wells constructed in the District. Encourage registration of exempt wells.	The number of new non-exempt wells permitted in the District.	1 permitted – November 2022 Total 2022 - 25
	The number of exempt wells registered in the District.	61 registered – November 2022 (B) – 25; (R) –36; (O/G) – 0 Total 2022 – 584
1b: Regulation of groundwater production by permitted well through metering.	Number of applications made for permitted use.	1 application(s) – November 2022 Total 2022 – 25
	Type of application made for permitted use.	1 application(s) – November 2022 Total 2022 – 25
	Number of permits issued by the District.	1 issued – November 2022 Total 2022 – 25
	Type of permit issued by the District.	25 permit(s) issued through November 2022 Total 2022 – Agricultural (5); Industrial (7); Municipal/PWS (13)
	Amount of groundwater permitted (acre ft.)	10 ac/ft. groundwater permitted November 2022 Total GW permitted (2022) – 35,792.23ac/ft Total by Aquifer 2022 – BRAA (434.58); Simsboro (35,202.65); Yegua-Jackson (55); Carrizo (100)
	Amount of actual annual production from each metered well as compared to permitted production	Spreadsheet of total actual production for each metered well (by aquifer) compared to permitted amount of production will be included in the 2021 Annual Report
1c: Assessment of available groundwater (by aquifer) using monitoring data collected (water levels/water use/water quality)	Number of wells in well monitoring network.	187 wells
	Major aquifer wells monitored.	117 (Carrizo-Wilcox group)
	Minor aquifer wells monitored.	70 Queen City/Sparta/Yegua-Jackson/BRAA)
	Water quality tests by aquifer.	0 tests Total 2022 – 0
	Progress Report of groundwater availability.	Permitted production vs. actual production provided at each permit hearing.
2a: Water use fees to encourage conservation oriented use.	Amount of fees generated (Historic/Non-Exempt Operating)	Total to be invoiced (2021 production) - $648,398.22 Fees collected 2022 - $597,526.42

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	Amount of fees generated by Agricultural Use permits	Total invoiced (2021 production) - $1,944.08 Fees collected 2022 - $1,944.08
	Amount of fees generated by Historic/Non Exempt Industrial Operating Permits	Total invoiced (2021 production) - $33,351.45 Total invoiced 2022 - $31,934.59
	Amount of fees generated by Historic/Non Exempt Municipal Public Water Supply permits	Total invoiced (2021 production) - $531,886.30 Total invoiced 2022 - $486,306,83
	Amount of fees generated by Historic/Non Exempt Rural Water Supply Permits	Total invoiced (2021 production) - $61,995.21 Total invoiced 2022 - $58,119.74
	Amount of fees generated by Steam Electric Generation	Total invoiced (2021 production) - $1,600.93 Fees collected 2022 - $1,600.93
	Amount of fees generated by transport fees	Total invoiced (2021 export) $0.00 Fees collected 2022 - $0.00
	Amount of fees generated by BRAA fees for 2021	Total invoiced (2021 production) - $17,620.25 Fees collected 2022- $17,620.25
2b: Review District Rules to decrease amount of waste.	Annual review of rules for possible amendments addressing reduction of waste.	
2c: Provide information to public and schools on eliminating wasteful practices.	Website page dedicated to wise use of water.	District website contains a conservation page dedicated to the wise use of water. BVWaterSmart website, sponsored by BVGCD, contains many videos promoting conservation as well as lawn watering recommendations.
	Provide water curriculum to local schools and in-school presentations encouraging wise use of water and the significance of aquifers.	Presented BRAA water level comparison maps to 70 producers @ Tri-County Crops Committee Winter Meeting 1-18-22; See attached for school listings.
3a: Encourage use of surface water supplies to meet needs of user groups in the District	Attend Regional Water Planning Group Meeting (minimum of 1 meeting/year).	Attended (Megan) Brazos G meeting 3-23-22; 7-13-22; 11-2-22
4a: Determine if natural spring flows may be impacted by increased groundwater pumping.	Springs found in District.	No springs identified at this time.
	Monitoring wells established when spring flows found.	N/A at this time
5a: Palmer Drought Severity Index (PDSI) will be provided to Board members monthly.	Monthly assessment of drought conditions impacting Drought Contingency Plan.	Current 2021 PDSI/Crop Moisture Index/State Drought Monitor/U.S. Seasonal Drought Outlook attached. Website drought maps updated weekly. Sending weekly updates to board members via email.

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	Plan triggers.		Reviewed, revised, and adopted November 8, 2012. Reviewed, revised, and re-adopted September 8, 2022
5b: 100% of permittees required by the State of Texas to submit Drought Contingency Plans will submit such plans when applying for a permit for well production.	Review 100% of DCP's when a severe drought Condition is reached as per PDSI.		All permits requiring State of Texas Drought Contingency Plans are reviewed at time of application
	Date severe drought condition reached.		N/A
	Number of DCP's to be reviewed.		0 reviewed
5c: Develop a District Drought Contingency Plan (adopted 11-8-12).	Review for effectiveness and updates annually.		Reviewed, revised, and adopted November 8, 2012. Reviewed and re-adopted September 8, 2022
6a: 100% of water permit applicants will submit a water conservation plan or agree to comply with the District Water Conservation Plan.	Number of permits for production received requiring water conservation plans.		1 permits received – November 2022
	Number of water conservation plans submitted.		0 submitted – November 2022 Total for 2022 – 0 submitted
	Number of water conservation plans reviewed.		0 reviewed – November 2022 Total for 2022 – 0 reviewed
	Number of permittees agreeing to abide by District's water conservation plan.		1 abiding by DWCP – November 2022 Total for 2022 –25 abiding by DWCP
6b: Develop a system for measurement and evaluation of groundwater supplies.	Minimum of 2 wells/aquifer.		Outlined by aquifer below. 187 monitor wells
	Brazos River Alluvium	Number of Monitoring Wells/Number	24 wells/ 63 readings
	Calvert Bluff	Number of Monitoring Wells/Number	21 wells/ 42 readings
	Carrizo	Number of Monitoring Wells/Number	18 wells/ 21 readings
	Hooper	Number of Monitoring Wells/Number	18 wells/ 31 readings

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	Queen City	Number of Monitoring Wells/Number	13 wells/ 24 readings
	Simsboro	Number of Monitoring Wells/Number	60 wells/ 154 readings
	Sparta	Number of Monitoring Wells/Number	24 wells/ 49 readings
	Yegua-Jackson	Number of Monitoring Wells/Number	9 wells/ 16 readings
		Total number of well year-to-date monitor readings	400 combined readings for all aquifers January 1 through December 31, 2022
6c: Assist in obtaining grant funds for the implementation of water conservation methods.	Number of meetings held with State Agencies		Met with TWDB personnel via a webinar presentation regarding Agricultural Conservation Grant Application for FY 2023 December 7, 2022
	Number of meetings held with Federal Agencies		Met with NRCS personnel 2-2-22 relating to District & NRCS FY2022 grant funded programs and cooperative efforts. Federal money is available for well plugging that can be used in tandem with the District grant program.
	Number of meetings of the Grants subcommittee		Met with Grant Committee 3-2-22 to discuss/recommend grant funding for agricultural irrigation soil moisture sensors
	Number of grant applications received		2 – Remote Control Access Technology for Groundwater Well Pivots (new) grant funding ($2,000 – 2022) 4 wells plugged ($3,784.89 – 2022)
	Number of water conservation grants approved by Board of Directors		2 – The City of College Station and Wickson Creek SUD were granted funds ($32,500) by the BVGCD to maintain ET weather stations, remote rain gauges and a website to inform public on lawn irrigation recommendations (2019). Grants approved for both Remote Control Access (New) Agricultural Irrigation Pivot Systems ($10,000)

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7a: Develop baseline water quality data and a system for continued evaluation of groundwater quality.	Water quality tests conducted	Long term water quality reports taken by the TWDB compiled by WSP USA. Will be summarized for Board use. BVGCD water quality information made available from TWDB will be incorporated into the inactive ArcGIS web portal.
7b: Require all water permittees that are subject to well vulnerability studies prior to constructing a well to provide evidence of the study to the District prior to construction.	Number of wells requiring well vulnerability studies.	0
	Number of well vulnerability studies received.	0
	Well plugging efforts*	4 well plugging grant contract in 2022 ($3,784.89)
	Number of water Permittees provided with wellhead protection information. Conduct in-school presentation addressing aquifer contamination and protection.	All well owners (exempt and non-exempt) that have drilled, permitted, or registered a well on or after January 1, 2014 were sent 2 information sheets detailing new owner responsibilities and well head protection information. All subsequent new well or newly registered well owners are provided the same well head protection. See attached school listings.
8a: Evaluate water level monitoring data and determine if change conforms to adopted DFCs for each aquifer.	Once every 3 years (for each aquifer): • Report water level data obtained • Average artesian head change • Comparison of changes to DFCs • Progress on conforming to DFCs	Directors informed all monitoring well data now available via the website (hydrographs included. John Seifert presentation on DFC compliance 4-14-22. Provided all water level measurements for all aquifers ???????? meeting
	Once annually (for each aquifer): • Report total permitted GW production • Report total estimated annual GW production • Compare this data to the MAG	Presented to the Board at each Board meeting in a spreadsheet format. 1-13-22; 2-10-22; 3-10-22; 4-14-22; 6-9-22; 7-20-22;8-10-22; 9-8-22;10-20-22; 11-10-22; 12-8-22

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Taught aquifer science/water conservation/aquifer protection/watersheds to:

75 - 4th grade Neal Elementary School 1-6-22
55 - 4th grade Jones Elementary School 1-7-22
300 - 5th grade Cypress Grove Intermediate School 1-10 & 1-11-22
375 - 5th grade Pecan Trail Intermediate School 1-12 & 1-13-22
55 - 4th grade Bowen Elementary School 1-14-22
65 - 4th grade Pebble Creek Elementary School 1-18-22
90 - 4th grade Henderson Elementary School 1-19-22
490 - 5th grade Jane Long Intermediate School 1-20-21, 24-25, & 1-31 & 2-1-22
60 - 4th grade Mitchell Elementary School 1-26-22
90 - 4th grade Sul Ross Elementary School 1-27-22
110 - 4th grade Greens Prairie Elementary School 2-2-22
85 - 5th grade Rayburn Intermediate School Odyssey 2-3-22
75 - 4th grade Branch Elementary School 2-4-22
80 - 4th grade Creek View Elementary School 2-7-22
85 - 4th grade River Bend Elementary School 2-8-22
100 - 4th grade College Hills Elementary School 2-9-22
120 - 4th grade Spring Creek Elementary School 2-10-22
30 - 4th grade St. Joseph Elementary School 2-11-22
120 - 4th grade Forrest Ridge Elementary School 2-15-22
100 - 4th grade Rock Prairie Elementary School 2-16-22
40 - 7th grade Mumford Middle School 3-30 & 4-1-22
90 - 7th grade Franklin Middle School 4-6 & 4-7-22
375 - 7th grade AMC Middle School 4-8, 4-12 thru 4-14-22
150 - 7th grade SFA Middle School 9-15 & 9-16-22
425 - 7th grade AMC Middle School 9-23 & 9-26, 9-27, 9-28, & 9-29-22
30 - 3rd grade Brazos Christian School 10-11-22

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300 - 4th grade @ Brazos County AgriLife Extension Pizza Ranch 10-13-22
75 - 4th grade Branch Elementary School 10-21-22
55 - 7th grade Hearne Middle School 11-7 & 11-8-22
80 - 4th grade Houston Elementary School 11-15-22
70 - 4th grade Jones Elementary School 12-2-22
60 - 4th grade Navarro Elementary School 12-6-22