BVGCD Management Plan Objectives
August 2021

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.	0 permitted – August 2021 Total 2021 - 8
	The number of exempt wells registered in the District.	38 registered – August 2021 (B) – 33; (R) – 3; (O/G) –2 Total 2021 – 385
1b: Regulation of groundwater production by permitted well through metering.	Number of applications made for permitted use.	0 application(s) – August 2021 Total 2021 – 8
	Type of application made for permitted use.	0 application(s) – August 2021 Agricultural – 2 Total 2021 – 6
	Number of permits issued by the District.	0 issued – August 2021 Total 2021 – 8
	Type of permit issued by the District.	8 permit(s) issued through August 2021 Total 2021 – 8; Industrial -1; RPWS – 1; Agricultural – 6;
	Amount of groundwater permitted (acre ft.)	586 ac/ft. groundwater permitted August 2021 Total GW permitted (2021) – 1,451.3 ac-ft. Total by Aquifer 2021 – Carrizo (25); Sparta (957.3); BRAA (70); Queen City – (399)
	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.	165 wells
	Major aquifer wells monitored.	100 (Carrizo-Wilcox group)
	Minor aquifer wells monitored.	65 Queen City/Sparta/Yegua-Jackson/BRA)
	Water quality tests by aquifer.	0 tests Total 2021 – 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 (2020 production) - $686,369.06 Fees collected 2021 - $461,770.72

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	Amount of fees generated by Agricultural Use permits	Total invoiced (2020 production) - $1,962.13 Fees collected 2021 - $1,962.13
	Amount of fees generated by Historic/Non Exempt Industrial Operating Permits	Total invoiced (2020 production) - $38,099.02 Total invoiced 2021 - $26,793.87
	Amount of fees generated by Historic/Non Exempt Municipal Public Water Supply permits	Total invoiced (2020 production) - $554,570.91 Total invoiced 2021 - $362,641.43
	Amount of fees generated by Historic/Non Exempt Rural Water Supply Permits	Total invoiced (2020 production) - $72,553.89 Total invoiced 2021 - $51,170.18
	Amount of fees generated by Steam Electric Generation	Total invoiced (2020 production) - $1,610.13 Fees collected 2021 - $1,610.13
	Amount of fees generated by transport fees	Total invoiced (2020 production) $0.00 Fees collected 2021 - $0.00
	Amount of fees generated by BRA fees for 2016	Total invoiced (2020 production) - $17,592.98 Fees collected 2021- $17,592.98
2b: Review District Rules to decrease amount of waste.	Annual review of rules for possible amendments addressing reduction of waste.	Rules Committee review of District Rules occurred 7-23-21 with no revisions recommended.
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 BRA water level comparison maps to 70 producers @ Tri-County Crops Committee Winter Meeting 1-27-20 (Virtual); See attached for school listings. Austins Colony HOA meeting presentation 9-14-21;
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 (virtual) 6-23-21;
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

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			updates to board members via email.
	Plan triggers.		See District Drought Contingency Plan adopted November 8, 2012
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.
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.		0 permits received – August 2021
	Number of water conservation plans submitted.		0 submitted – August 2021 Total for 2021 – 0 submitted
	Number of water conservation plans reviewed.		0 reviewed – August 2021 Total for 2021 – 0 reviewed
	Number of permittees agreeing to abide by District's water conservation plan.		0 abiding by DWCP – August 2021 Total for 2021 – 8 abiding by DWCP
6b: Develop a system for measurement and evaluation of groundwater supplies.	Minimum of 2 wells/aquifer.		Outlined by aquifer below. 165 monitor wells
	Brazos River Alluvium	Number of Monitoring Wells/Number	23 wells/41 readings
	Calvert Bluff	Number of Monitoring Wells/Number	15 wells/27 readings
	Carrizo	Number of Monitoring Wells/Number	8 wells/ 13 readings
	Hooper	Number of Monitoring Wells/Number	19 wells/ 29 readings

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	Queen City	Number of Monitoring Wells/Number	10 wells/ 17 readings
	Simsboro	Number of Monitoring Wells/Number	58 wells/ 93 readings
	Sparta	Number of Monitoring Wells/Number	24 wells/ 38 readings
	Yegua-Jackson	Number of Monitoring Wells/Number	9 wells/ 13 readings
		Total number of well year-to-date monitor readings	271 combined readings for all aquifers January 1 through December 31, 2021
6c: Assist in obtaining grant funds for the implementation of water conservation methods.	Number of meetings held with State Agencies		
	Number of meetings held with Federal Agencies		
	Number of meetings of the Grants subcommittee		
	Number of grant applications received		10 – Remote Control Access Technology for Groundwater Well Pivots (existing) grant funding ($12,000 – 2021) 2 – Remote Control Access Technology for Groundwater Well Pivots (new) grant funding ($10,000 – 2021)
	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 (Existing & New) Agricultural Irrigation Pivot Systems ($22,000)
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

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		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*	11 well plugging grant contracts in 2021 ($10,167.48)
	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 4-8-21.
	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. 1-14-21; 2-11-21, 3-11-21; 4-8-21; 5-13-21; 6-10-21; 7-8-21;8-5-21; 9-9-21

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

100 - 4th grade Jones Elem School 1-6-21 (Virtual)
80 - 4th grade Johnson Elem. School 1-7-21 (Virtual)
85 - 4th grade Branch Elem. School 1-8-21 (Virtual)
380 - 5th grade Pecan Trail Intermediate School 1-11-21 (Virtual)
120 - 4th grade Henderson Elem. School 1-13-21 (Virtual)
600 - 5th grade Sam Rayburn Intermediate 1-16-21 (Virtual)
85 - 4th grade Kemp Elem. School 1-15-21 (Virtual)
95 - 4th grade Forest Ridge Elem. School 1-19-21 (Virtual)
240 - 5th grade Cypress Grove Intermediate School 1-21-21 (Virtual)
75 - 4th grade River Bend Elem. 1-22-21 (Virtual)
100 - 4th grade Green's Prairie Elem. 1-25-21 (Virtual)
75 - 4th grade Pebble Creek Prairie Elem. 2-2-21 (Virtual)
80 - 4th grade South Knoll Elem. 2-3-21 (Virtual)
80 - 4th grade Spring Creek Elem. 2-9-21 (Virtual)
600 - 7th grade Davila Middle School 3-4 & 3-4, 3-11 & 3-12-21 (Virtual)
450 - 7th grade SFA Middle School 3-22 & 3-23, 3-25 & 3-26-21 (Virtual)