BVGCD Management Plan Objectives
January -December, 2020

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.	Total 2020 - D/O – 4 Historic Use Operating – 622 (Permitted) Operating – 206 (Permitted) Drilling/Operating – 177 (Permitted)
	The number of exempt wells registered in the District.	**921** registered (2020)– Brazos (247); Robertson (645) , O/G (29) Total 2020 – D/L (3322); G/O (1189)
1b: Regulation of groundwater production by permitted well through metering.	Number of applications made for permitted use.	Total 2020 – 4
	Type of application made for permitted use.	Industrial – 1; Ag – 3 Total 2020 – 4
	Number of permits issued by the District.	Total 2020 – 4
	Type of permit issued by the District.	4 permits issued through December, 2020 Industrial – 1; Ag – 3 Total 2020 – 4
	Amount of groundwater permitted (acre ft.)	Total GW permitted (2020) –858 ac-ft. Total by Aquifer 2020 – Queen City – 200 ac-ft; BRAA – 658 ac-ft;
DETAILED IN THE 2020 ANNUAL REPORT	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 2020 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.	167 wells **monitored**
	Major aquifer wells monitored.	100 (Carrizo-Wilcox group)
	Minor aquifer wells monitored.	67 (Queen City/Sparta/Yegua-Jackson/BRA**A**)
	Water quality tests by aquifer.	0 tests Total 2020 – 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) - $686,350.03 Fees collected 2021 - $686,350.03

BVGCD Management Plan Objectives
January -December, 2020

	Amount of fees generated by Agricultural Use permits	Total invoiced (2020 production) - $1,962.13 10,464.70 ac ft. reported
	Amount of fees generated by Historic/Non Exempt Industrial Operating Permits	Total invoiced (2020 production) - $38,099.02 2,528.04 ac ft. reported
	Amount of fees generated by Historic/Non Exempt Municipal Public Water Supply permits	Total invoiced (2020 production) - $554,570.91 36,798.18 ac ft. reported
	Amount of fees generated by Historic/Non Exempt Rural Water Supply Permits	Total invoiced (2020 production) - $72,553.89 4,812.94 ac ft. reported
	Amount of fees generated by Steam Electric Generation permits	Total invoiced (2020 production) - $1,591.10 5,410.05 ac ft. reported
	Amount of fees generated by transport fees	Total invoiced (2020 production) - $0.00 0.00 ac ft. reported
	Amount of fees generated by BRAA fees for 2020 (based on permitted production)	Total invoiced - $17,592.98 93,829.25 ac ft
2b: Review District Rules to decrease amount of waste.	Annual review of rules for possible amendments addressing reduction of waste.	Rules Committee met 6-3-20 for Bylaw amendment on public comment. Revisions adopted 6-11-20. Rules Committee met 7-15-20 to annually review rules & make suggested changes. Board to vote on adopting District Rule revisions 9-10-20. Three (3) cleanup corrections were made; rule amended to application for aggregated wells.
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 65 producers @ Tri-County Crops Committee Winter Meeting 1-14-20; Aquifers 101 Training - District Office – 1-20-20 (12 attended); Water conservation program @ Moore's Wild Bird Store 1-25-20 (9 attended); TWON Private Well Owner Meeting – Wellborn Community Center 2-5-20 (19 attended); BCS Home & Garden Show Feb. 15-16 – 150 contacts; Texas A&M Water Network presentation Feb. 20 – 20 attending; Sponsored

BVGCD Management Plan Objectives
January -December, 2020

		Commercial Irrigator CEU course Feb. 28 – 15 attended; Virtual meeting – TAMU Water Law Class (11) 4-27-20; Wet Project Virtual Teacher Training (2 attended) June 23-24, 2020; Wet Project Virtual Teacher Training (3 attended) July 22-23, 2020; 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 BGRWPG meeting February 12, 2020; Virtual IPP Hearing June 3, 2020; Virtual attendance 9-9-20; Virtual attendance 10-28-20;
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 2020 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 beginning 4-7-20.
	Plan triggers.	See District Drought Contingency Plan adopted November 8, 2012. Plan was reviewed 8-9-20 and revised 9-10-20 updating demographic information.
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. No applications during 2020.
	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. DCCP annually reviewed 8-19-20; Adopted with revisions 9-10-20
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.	Total for 2020 – 0 permits received
	Number of water conservation plans submitted.	Total for 2020 – 0 submitted

BVGCD Management Plan Objectives
January -December, 2020

	Number of water conservation plans reviewed.		Total for 2020 – 0 reviewed
	Number of permittees agreeing to abide by District's water conservation plan.		Total for 2020 – 4 abiding by DWCP
6b: Develop a system for measurement and evaluation of groundwater supplies.	Minimum of 2 wells/aquifer.		Outlined by aquifer below. 167 monitor wells
	Brazos River Alluvium	Number of Monitoring Wells/Number	23 wells/60 readings
	Calvert Bluff	Number of Monitoring Wells/Number	15 wells/44 readings
	Carrizo	Number of Monitoring Wells/Number	8 wells/ 16 readings
	Hooper	Number of Monitoring Wells/Number	19 wells/ 42 readings
	Queen City	Number of Monitoring Wells/Number	11 wells/ 24 readings
	Simsboro	Number of Monitoring Wells/Number	58 wells/ 131 readings
	Sparta	Number of Monitoring Wells/Number	24 wells/59 readings
	Yegua-Jackson	Number of Monitoring Wells/Number	9 wells/ 17 readings
		Total number of well year-to-date monitor readings	511 combined readings for all aquifers January 1 through December 31, 2020
6c: Assist in obtaining grant funds for the implementation of water conservation methods.	Number of meetings held with State Agencies		Email correspondence w/ Cameron Turner (grants for remote control pivot irrigation technology) 11-9-20

BVGCD Management Plan Objectives
January -December, 2020

	Number of meetings held with Federal Agencies	Email correspondence w/ Aaron Williams (Brazos & Robertson) concerning grant programs of both the District and NRCS 10-23-2020;
	Number of meetings of the Grants subcommittee	Met w/ Grants Committee to review/reauthorize current grants and review 2020 grant proposals 8-18-20
	Number of grant applications received	3 – Texas A&M AgiLife (Dr. Ron Kaiser) for smart controllers for BVWaterSmart enhancement ($9,000 granted 7-11-19); Remote Control Access Technology for Groundwater Well Pivots grant proposal (Existing & New) $15,215.65 spent during 2020; 20 existing, 13 new
	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). Board approved an additional $9,000 in grant funds for BVWaterSmart pilot project on/off technology.
7a: Develop baseline water quality data and a system for continued evaluation of groundwater quality.	Water quality tests conducted – 0 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 active 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*	11 well plugging grant contracts in 2020 Total expenditure - $10,067.29
	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

BVGCD Management Plan Objectives
January -December, 2020

		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. All static measurements emailed to directors 10-25 thru 10-28, 2020 (at least 2 years). John Seifert gave DFCs compliance presentation 5-14-20.
	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. 1-9-20; 2-13-20, 3-10-20, 5-14-20, 6-11-20, 7-9-20, 8-13-20, 9-10-20; 10-8-20; 11-20-20;

BVGCD Management Plan Objectives
January -December, 2020

As of 2-11-21	Hooper	Simsboro	Calvert Bluff	Carrizo	Queen City	Sparta	Yegua-Jackson	BRA
2010 MAG	316.00	96,185.00	1,755.00	5,496.00	529.00	7,923.00	7,071.00	N/A
2016 MAG	**2,000.00**	**96,198.00**	**1,757.00**	**5,494.00**	**1,200.00**	**9,019.00**	**6,854.00**	**137,351.00**
Acre Feet Permitted (All)	2,114.01	140,008.92	1,408.53	3,415.88	1,569.30	12,522.55	4,764.36	93,829.25
Acre Feet Used 2020	745.86	53,163.83	230.45	1,061.68	102.62	3,389.46	1,253.18	N/A
Acre Feet Used 2019	699.98	50,528.07	176.89	992.40	400.88	3,869.64	1,278.11	N/A
Acre Feet Used 2018	809.07	55,228.86	130.27	825.25	146.54	4,499.56	1,183.12	N/A
Acre Feet Used 2017	756.18	53,325.82	271.98	630.11	237.46	4,241.37	1,509.54	N/A
Acre Feet Used 2016	909.16	54,237.29	132.32	761.72	99.62	4,152.91	1,565.41	N/A
Acre Feet Used 2015	1,084.25	56,638.46	160.07	665.50	189.78	4,122.06	1,664.27	N/A
Acre Feet Used 2014	1,065.07	62,946.34	183.50	852.28	496.57	5,358.33	2,533.23	N/A
Acre Feet Used 2013	794.24	64,106.92	81.77	806.43	64.40	3,402.06	1,438.37	N/A
Acre Feet Used 2012	955.67	53,327.02	72.35	848.67	69.00	3,176.87	1,418.78	N/A
Acre Feet Used 2011	621.47	69,377.78	152.91	1,562.36	581.76	4,336.69	1,658.95	N/A
Acre Feet Used 2010	914.01	63,984.53	58.36	745.62	0.45	3,279.09	1,396.34	N/A
Acre Feet Used 2009	611.06	68,586.31	13.14	730.41	31.56	3,432.25	1,599.18	N/A
Permitted Wells by Aquifer (940)	**15**	**93**	**38**	**12**	**22**	**71**	**51**	**638**
Permits by Aquifer (959)	**21**	**100**	**38**	**12**	**25**	**74**	**51**	**638**
Robertson Permitted Wells (564)	**15**	**69**	**38**	**9**	**10**	**10**	**0**	**413**
Robertson Permits (578)	**21**	**76**	**38**	**9**	**10**	**11**	**0**	**413**
Brazos Permitted Wells (376)	**0**	**24**	**0**	**3**	**12**	**61**	**51**	**225**
Brazos Permits (381)	**0**	**24**	**0**	**3**	**15**	**63**	**51**	**225**
Secondary Permitted Amount	**296 (6)**	**1532.11 (7)**	**0**	**0**	**14 (3)**	**15 (3)**	**0**	**N/A**

BVGCD Management Plan Objectives
January -December, 2020

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

365 - 5th grade Pecan Trail Intermediate 1-8, 1-10 & 1-11-20;
295 - 5th grade Cypress Grove Intermediate 1-13 to 1-15-20;
600 - 5th grade Sam Rayburn Intermediate 1-16, 1-17, 1-21, 1-22-20;
600 - 5th grade Jane Long Intermediate 1-23, 1-24, 1-27, 1-28-20;
90 - 4th grade Pebble Creek Elem. 2-3-20
135 - 4th grade Green's Prairie Elem. 2-4-20;
43 - 4th grade River Bend Elem. 2-6-20;
120 - 4th grade Spring Creek Elem. 2-7-20;
105 - 4th grade South Knoll Elem. 2-19, 2-20-20;
130 - 4th grade College Hills Elem. 2-21-20;
55 - 5th grade Hearne Elem. 2-25-20;
105 - 4th grade Southwood Valley Elem. 2-26-20;
90 - 4th grade Rock Prairie Elem. 3-4, 3-5-20;
135 - 7th grade SFA Middle School 9-28 & 9-29-20 (Virtual);
50 - 7th grade Hearne Middle School 10-14 & 10-16-20 (Virtual)
75 - 4th grade Mitchell Elem. School 11-5-20 (Virtual)
70 - 4th grade Neal Elem. School 11-6-20 (Virtual)
60 - 4th grade Fannin Elem. School 11-19-20 (Virtual)
75 - 4th grade Houston Elem School 11-20-20 (Virtual)
70 - 4th grade Bowen Elem. School 12-7-20 (Virtual)
85 - 4th grade Navarro Elem. School 12-8-20 (Virtual)
425 - 5th grade Oakwood Intermediate 12-14 to 12-17-20 (Virtual)
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)
330 - 5th grade Cypress Grove Intermediate School 1-12-21 (Virtual)
120 -4th grade Henderson Elem. School 1-13-21 (Virtual)

3,800 students taught in person or virtually; 2,300 Major Rivers curriculum sets distributed primarily 4th grade