

Item 8c – GMA 12 DFC Planning Efforts

GMA 12 members met virtually Thursday, October 22, 2020 to continue discussing desired futures conditions (DFCs). There were two presentations relating to mandated factors required to be considered before adoption of the DFCs. The presentations were:

- socioeconomic impacts reasonably expected to occur; and
- any other information relevant to the specific desired future conditions.

It was reported that the proposed Simsboro Aquifer transmissivity value corrections relating to an update of the current GAM have been reviewed and posted for stakeholder comment by the Texas Water Development Board (TWDB). The comment period ends November 9, 2020. TWDB stated that a reasonable time line for possible adoption of the update by the Board is December, 2020.

Following a request by GMA 12 members, the district consulting hydrologists made GAM runs with the proposed revised transmissivities and presented those results district by district. Below is a table comparing DFC values obtained using the current GAM (2018) and with the proposed revised version (2020).

BVGCD Aquifers	Current DFC (ft) (2000 to 2070)	PS - 7 Scenario (Drawdown [ft] from 2011 to 2070)		
		GAM2018	GAM2020	GAM2018- GAM2020
Sparta	12	47	46	0.9
Queen City	12	41	39	1.2
Carrizo	61	76	76	-0.2
Calvert Bluff	125	95	97	-1.9
Simsboro	295	214	217	-2.7
Hooper	207	151	153	-2.8

To see the entire presentation, click the link below.

https://posgcd.org/wp-content/uploads/2020/10/GMA12_Oct_22_GAM2020_comparison.pdf

The final mandated factor to be considered (the feasibility of achieving the desired future condition) will be covered once the approved GAM revision is in place and districts have run the model based on pumping values relative to their district.

There was a discussion concerning the expression of DFCs by districts and the compatibility of those expressions. Each of the members voiced how they intend to express the DFCs.

- Brazos Valley GCD – Aquifer-wide average drawdown (no change from 2016)
- Fayette GCD – Aquifer-wide average drawdown (no change from 2016)
- Mid-East Texas GCD – Aquifer-wide average drawdown (no change from 2016)
- Lost Pines GCD – Average drawdown within a defined zone extending some distance downdip of the aquifer outcrop. This zone will be different for each aquifer.
- Post Oak Savannah GCD - Aquifer-wide average drawdown expressed as mean sea level rather than artesian pressure

The time line for DFC adoption is below:

- Required adoption of DFCs by GMA 12 – No later than May, 2021
- 90-day comment period on adopted DFCs at the district level beginning the date of GMA 12 adoption
- Following the comment period, all comments must be addressed by the district and brought back to GMA 12 for consideration
- Final adoption of DFCs by GMA 12 follows stakeholder comment consideration
- District DFCs are then considered by the district boards for adoption/approval

The next GMA 12 DFC Planning Meeting will be held virtually during the month of December 2020.