

HDR



Suggested Revisions to non-Municipal WUG Projections for the 2021 Brazos G Plan

Agenda Item 6.10.1b

November 1, 2017



Overview

- Non-Municipal Water Demands are aggregated on county-wide basis
 - Irrigation
 - Steam-Electric Power Generation
 - Manufacturing
 - Mining
 - Livestock
- BRA mailed out draft projections on June 19, 2017
 - 37 county judges
 - 13 groundwater conservation districts
 - Posted on Brazos G website
- Suggested revisions
 - Mining – Lee County (per Lost Pines GCD and Alcoa)
 - Mining – Robertson County (per Brazos Valley GCD – historical pumping)
 - Steam-Electric – Milam County (per recent Luminant press release)
- More detail in memorandum from Susan Roth



Suggested Revision to Mining Demands

Requested Revisions	2020	2030	2040	2050	2060	2070
2021 Draft-Lee County Projections	3,180	7,289	7,767	8,304	8,904	9,631
2021 Draft-Robertson Co. Projections	9,913	11,753	13,768	16,222	19,217	22,940
Total Region G-Mining	61,586	70,381	68,875	70,949	75,038	81,409
Requested Revisions	2020	2030	2040	2050	2060	2070
Revised Lee County Projections	3,180	3,180	0	0	0	0
Difference	0	(4,109)	(7,767)	(8,304)	(8,904)	(9,631)
Revised Robertson Co. Projections	9,913	11,753	12,000	12,000	12,000	12,000
Difference	0	0	(1,768)	(4,222)	(7,217)	(10,940)
New Total Region G-Mining	61,586	66,272	59,340	58,423	58,917	60,838



Suggested Revision to Steam-Electric Demands

Requested Revisions	2020	2030	2040	2050	2060	2070
2021 Draft-Milam County Projections	32,254	32,254	32,254	32,254	32,254	32,254
Total Region G-Steam Electric	232,894	232,894	232,894	232,894	232,894	232,894
Requested Revisions	2020	2030	2040	2050	2060	2070
Revised Milam County Projections	0	0	0	0	0	0
Difference	(32,254)	(32,254)	(32,254)	(32,254)	(32,254)	(32,254)
New Total Region G-Steam Electric	200,640	200,640	200,640	200,640	200,640	200,640



Suggested Action

“Direct HDR to coordinate with TWDB staff and submit requested revisions to Mining demands in Lee and Robertson Counties and Steam-Electric demands in Milam County for use in the 2021 Brazos G Regional Water Plan, per memorandum prepared by Susan Roth Consulting, and as necessarily modified during final coordination with TWDB.”



HDR