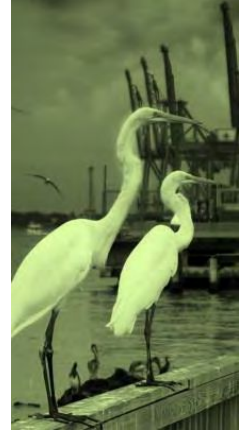
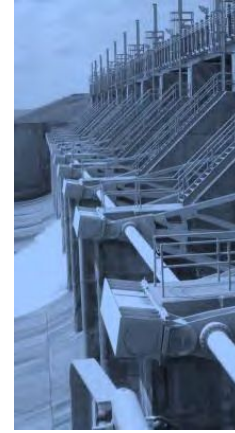


# REGION H

Water Planning Group

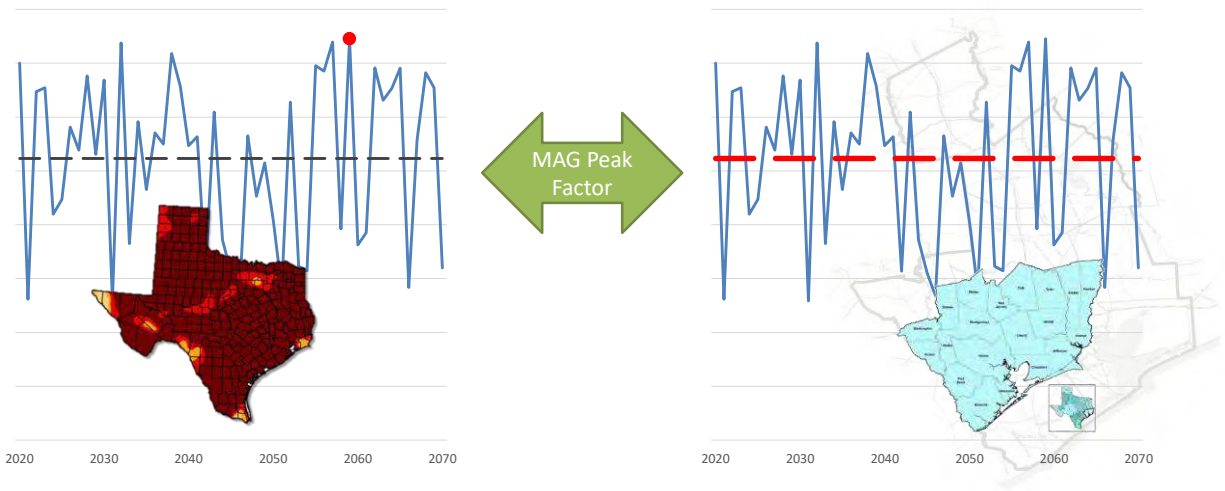


## CONSIDERATION OF A MAG PEAKING FACTOR FOR THE 2021 REGION H REGIONAL WATER PLAN

Mid-East Texas Groundwater Conservation District

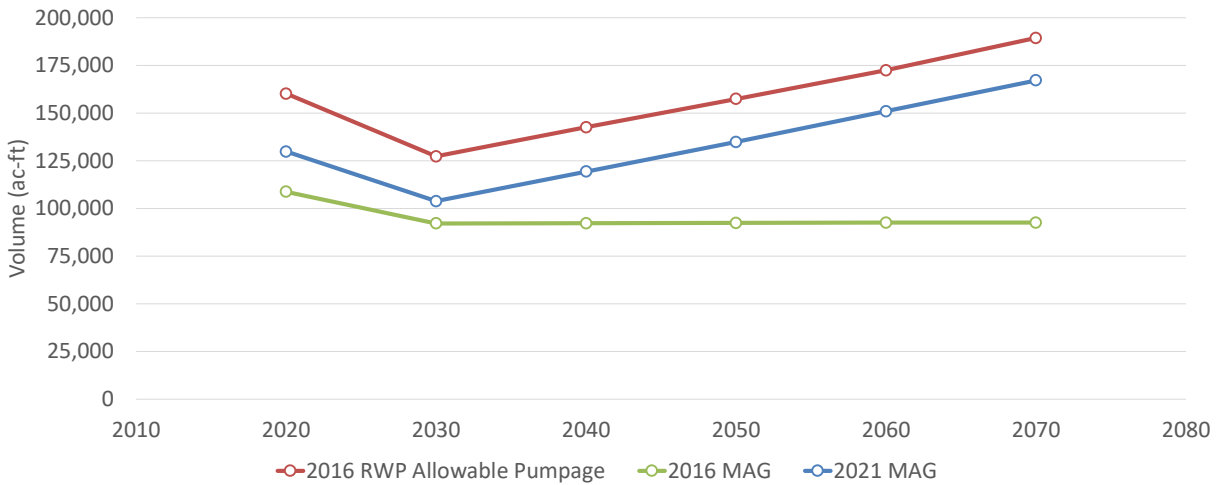
# Why a MAG Peaking Factor?

A difference in planning...



# The 2016 RWP

## Fort Bend County



## Solution...

In RWPA's that have at least one groundwater conservation district, the EA shall consider a written request from an RWPG to apply a MAG Peak Factor in the form of a percentage (e.g., greater than 100 percent) applied to the modeled available groundwater value of any particular aquifer-region-county-basin split within the jurisdiction of a groundwater conservation district, or groundwater management area if no groundwater conservation district exists, to allow temporary increases in annual availability for planning purposes.

-31 TAC §357.32(d)(3)

## MAG Peak Factors: Guidelines

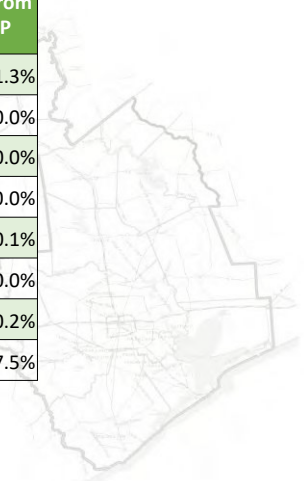
- Percentage factor (>100%) applied to MAG volumes
- Applied for each decade
- Requires approval prior to IPP
  - From GCD (if applicable), GMA, and EA
- Should not prevent GCDs from achieving DFCs

# Agenda Item 5

## Modeled Available Groundwater

COUNTY	AQUIFER	2020 MAG (2016 RWP)	2020 MAG (2021 RWP)	% Change from 2016 RWP
LEON	CARRIZO-WILCOX	14,475	14,288	-1.3%
	QUEEN CITY	594	594	0.0%
	SPARTA	21	21	0.0%
	YEGUA-JACKSON	4	0	-100.0%
MADISON	CARRIZO-WILCOX	2,859	2,862	0.1%
	QUEEN CITY	380	380	0.0%
	SPARTA	3,313	3,320	0.2%
	YEGUA-JACKSON	1,118	810	-27.5%

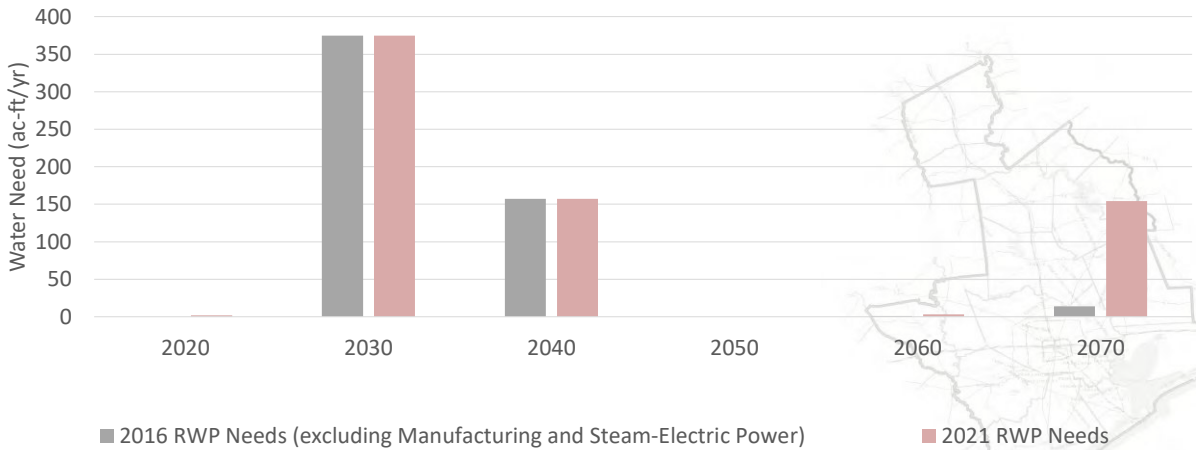
\* Values in acre-feet/year



# Agenda Item 5

## Modeled Available Groundwater

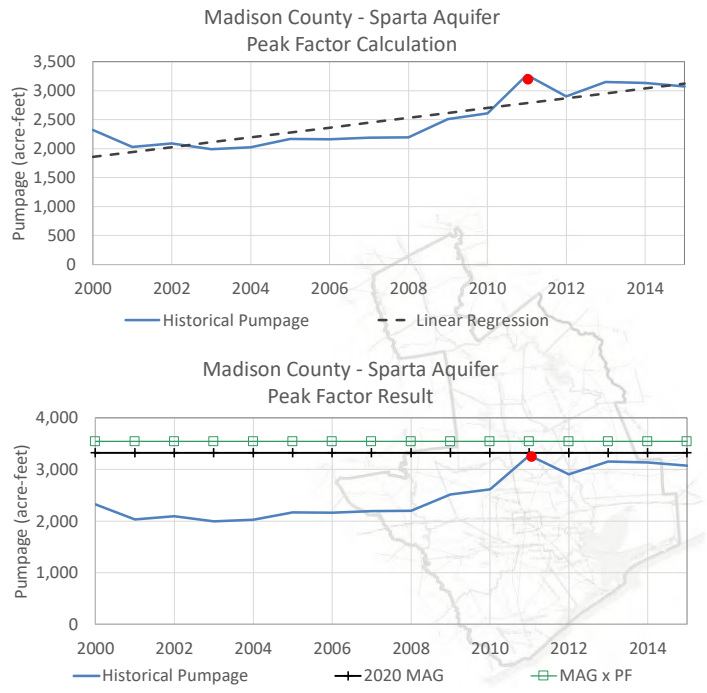
Madison County Needs



# Madison County Sparta Aquifer

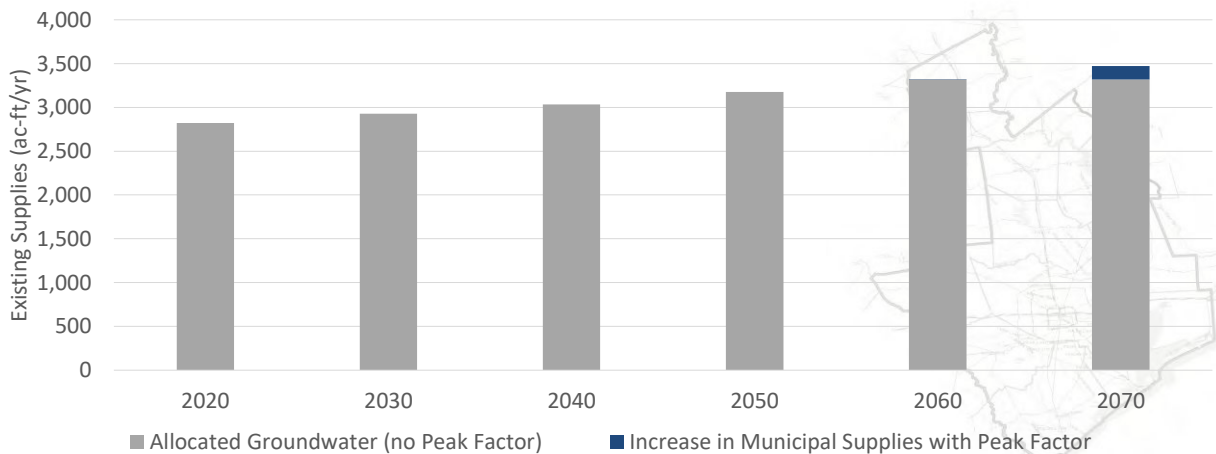
- Base factor on the deviation of maximum pumpage from pumpage trend

- Results:
  - Factor of  $\approx 117.4\%$
  - Allowable pumpage of 3,900 ac-ft/yr

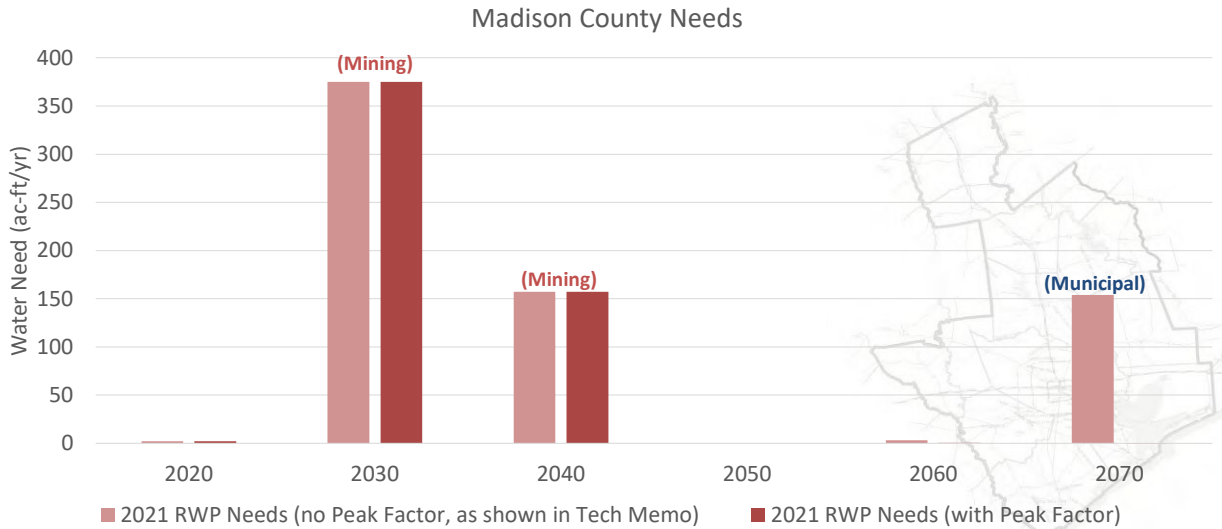


# Madison County Sparta Aquifer

Existing Supplies  
Madison County – Sparta Aquifer



## Madison County Sparta Aquifer



## Future Steps

- Consider accepting recommended Peak Factor
- GMA 12 to consider
- RWPG to consider
- Submit to TWDB Executive Administrator
- Incorporate into 2021 Region H Regional Water Plan