

GMA 12

Fayette County GCD Pumpage “Anticipated Ramp Up”

by

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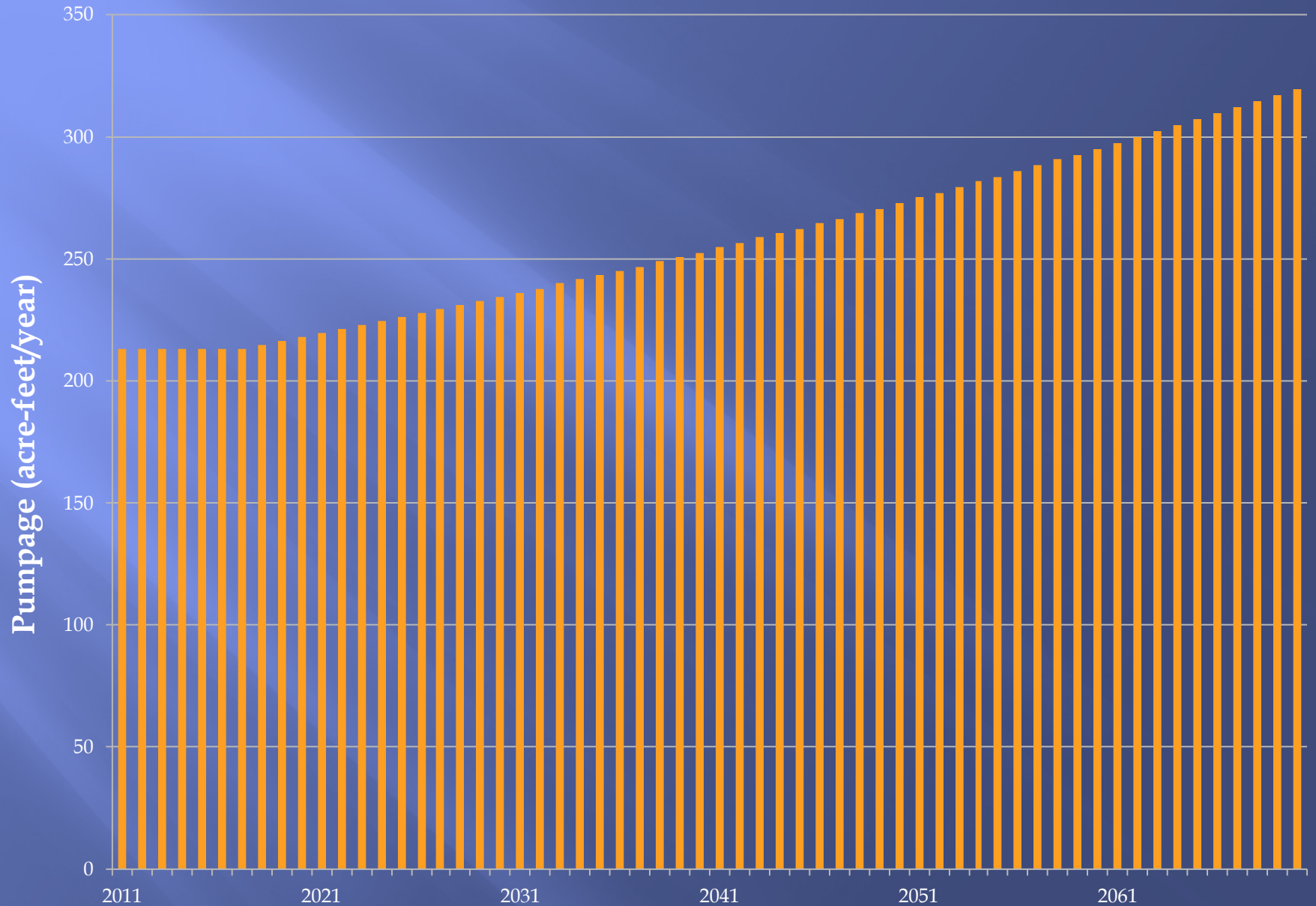
Pumpage Parameters

- ▣ “Anticipated Ramp Up” of pumpage from 2017 to 2070
- ▣ Similar to PS-4 from the last round of joint groundwater planning

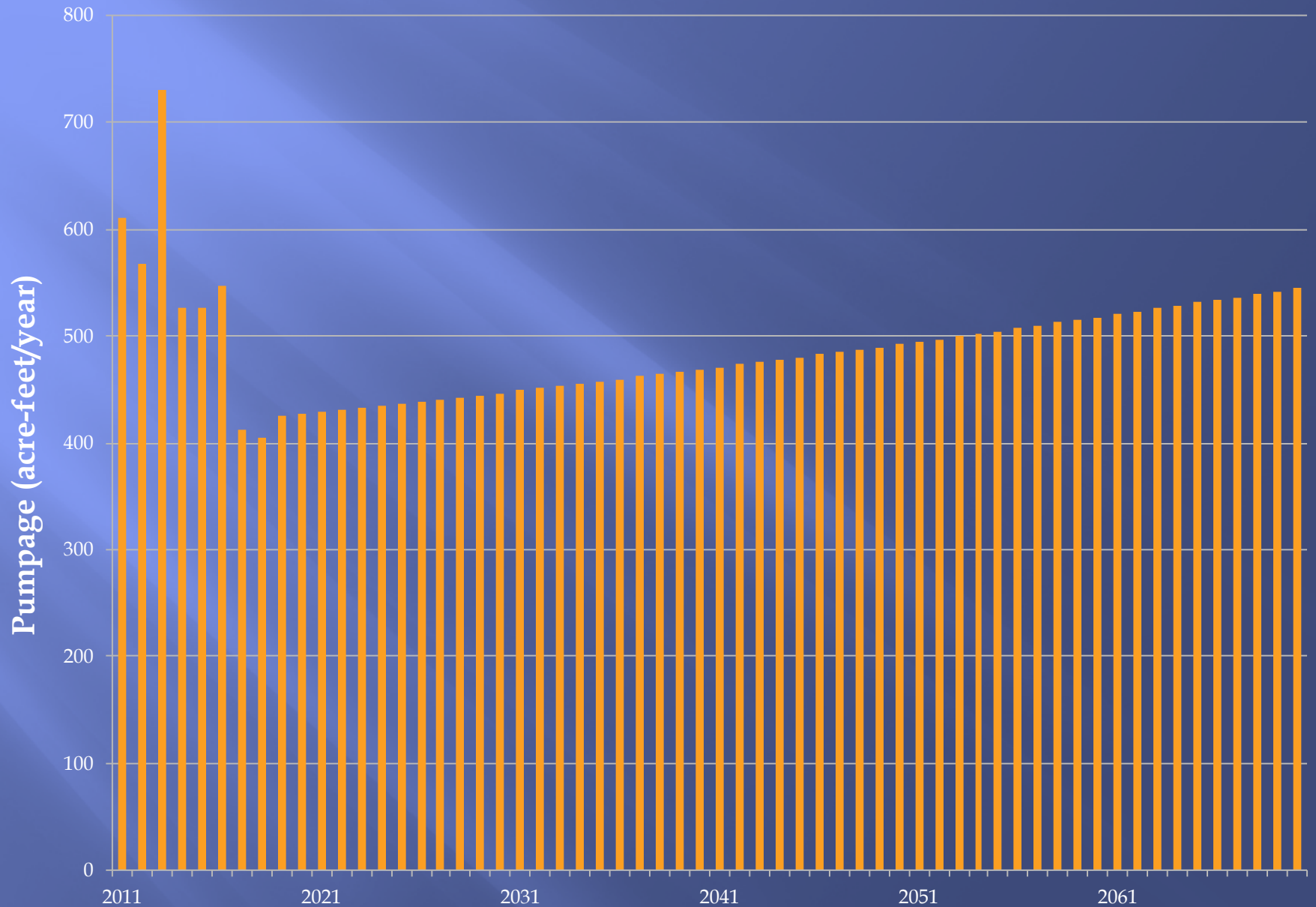
Pumpage Assumptions

- ▣ Started with 2017/18 pumpage
- ▣ Reviewed permit holders permitted amount and RWPG estimate of future demands, increased pumpage accordingly
- ▣ Background of exempt pumpage used, increased 1% per year. However, background pumpage was very limited in the Queen City, Sparta, and Carrizo-Wilcox Aquifers in FC
- ▣ No active management assumed

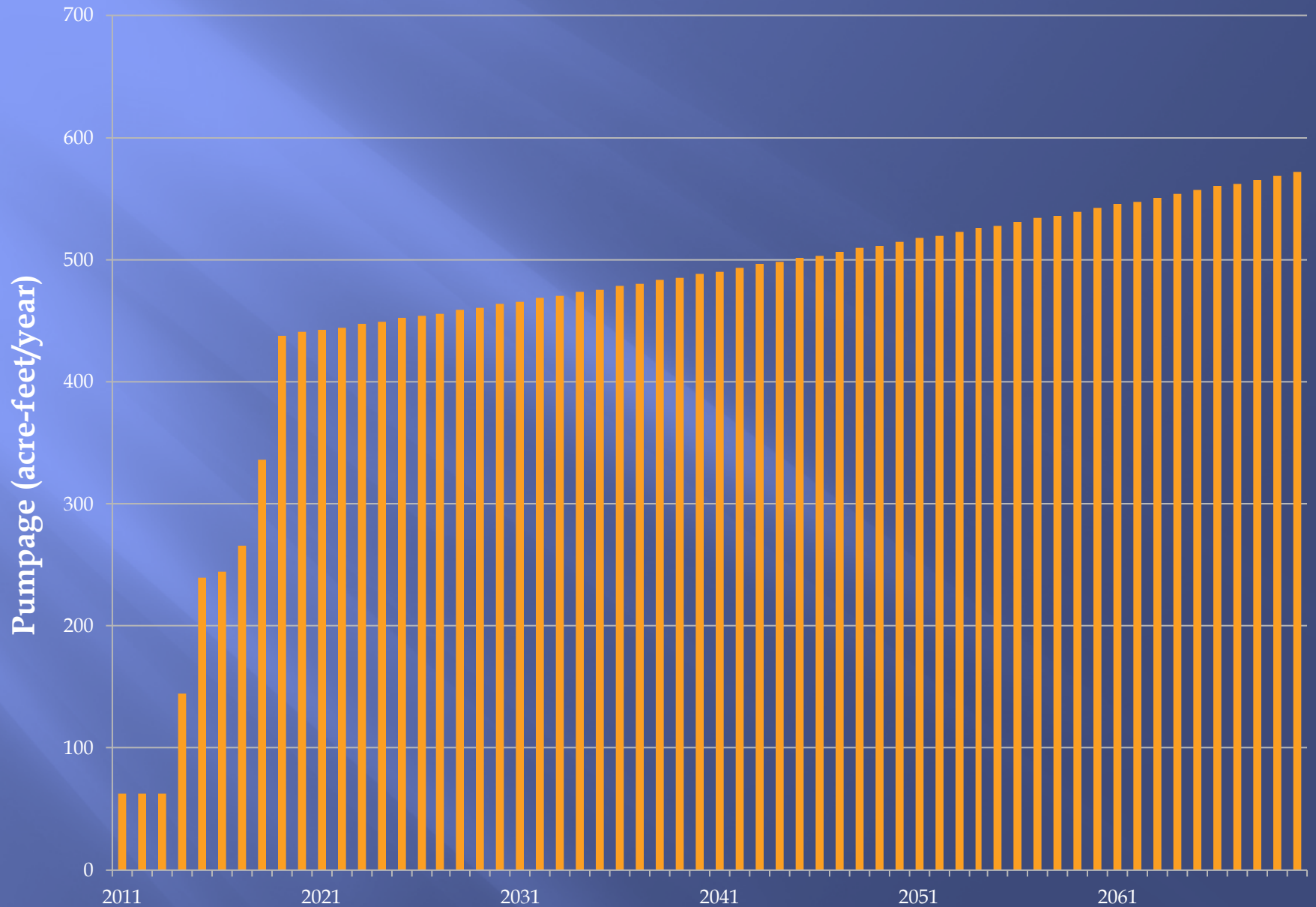
Sparta Pumpage



Queen City Pumpage



Carrizo Pumpage



Lost Pines GCD Pumpage “Anticipated Ramp Up”

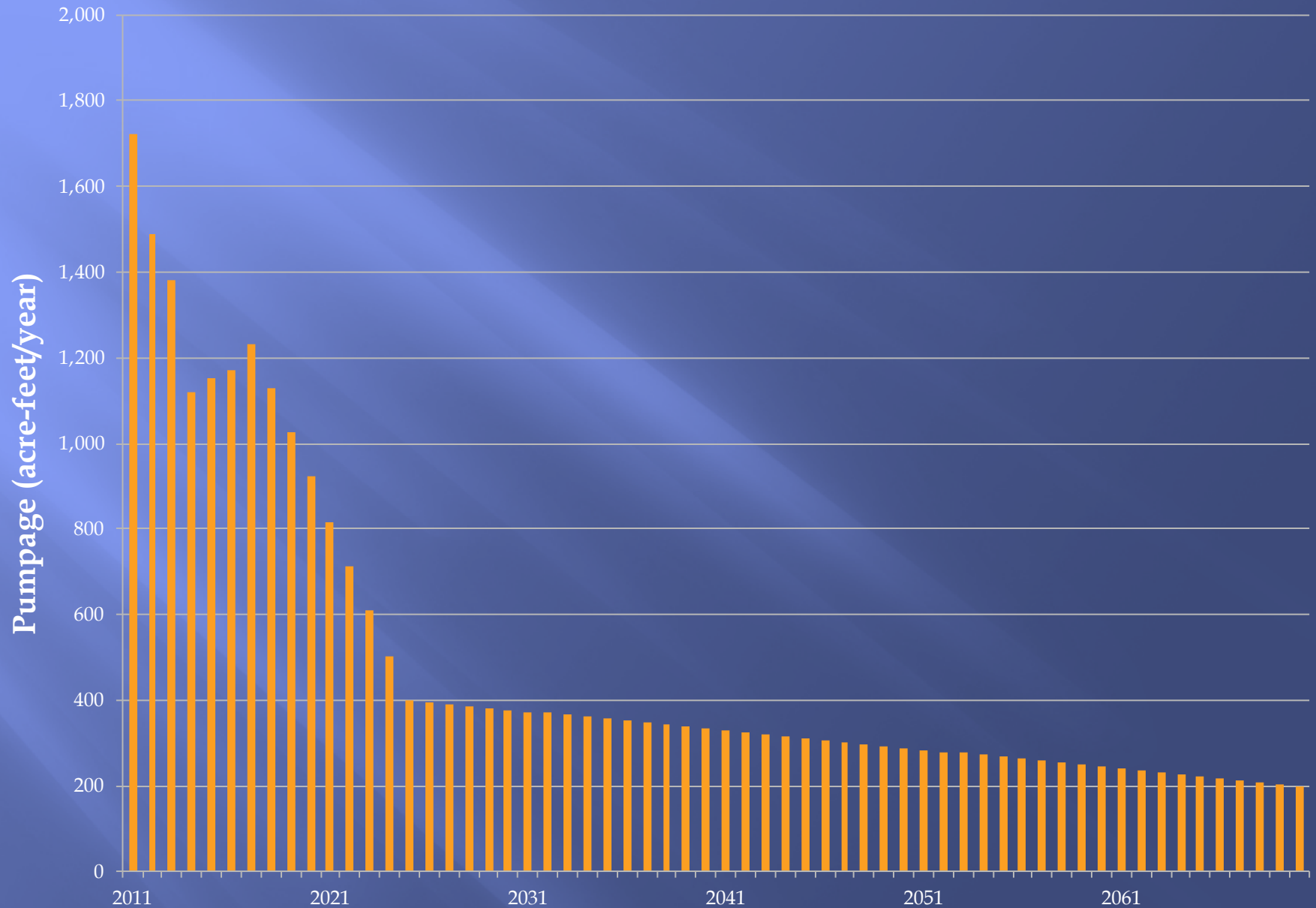
Pumpage Parameters

- ▣ “Anticipated Ramp Up” of pumpage from 2017 to 2070
- ▣ Similar to PS-4 from the last round of joint groundwater planning
- ▣ Includes several permits not included in the last round of planning

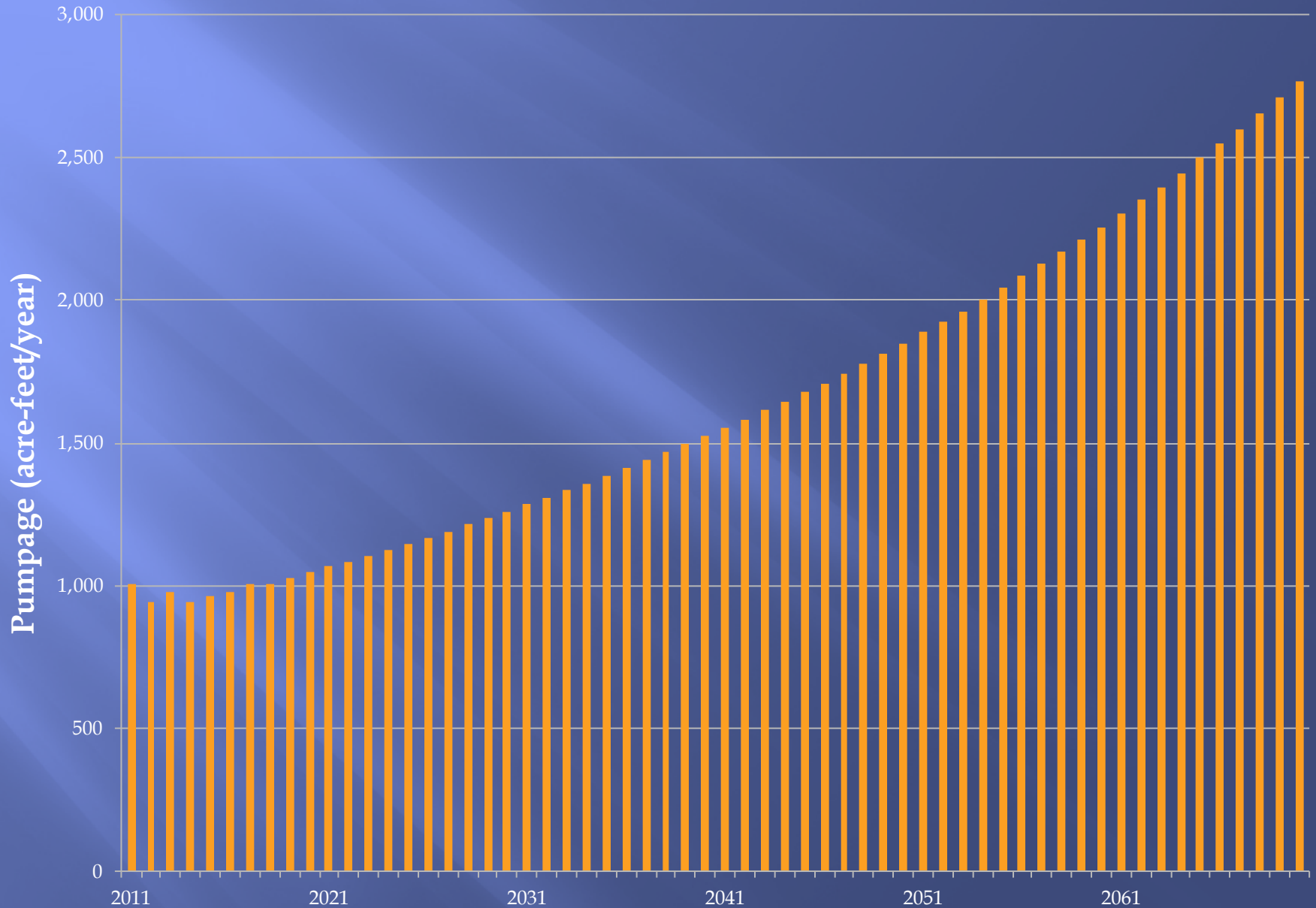
Pumpage Assumptions

- ▣ Started with 2017/18 pumpage
- ▣ Reviewed permit holders permitted amount and RWPG estimate of future demands, increased pumpage accordingly
- ▣ Export projects assumed to produce 100%
- ▣ Background of exempt pumpage used, increased 1% per year
- ▣ Assumed Bastrop continues to work to get off of pumpage from the Colorado River alluvium
- ▣ No active management assumed

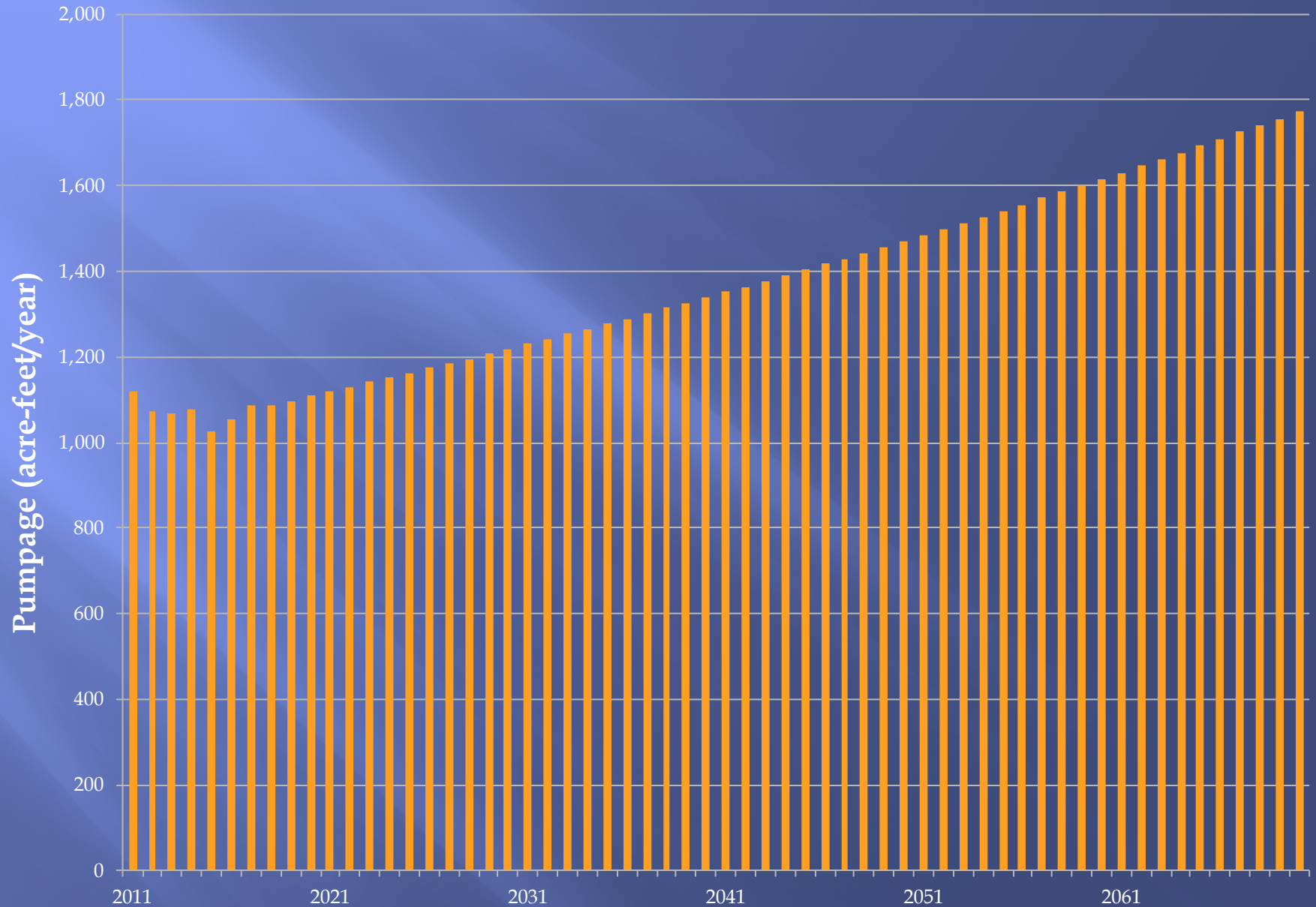
Alluvium Pumpage



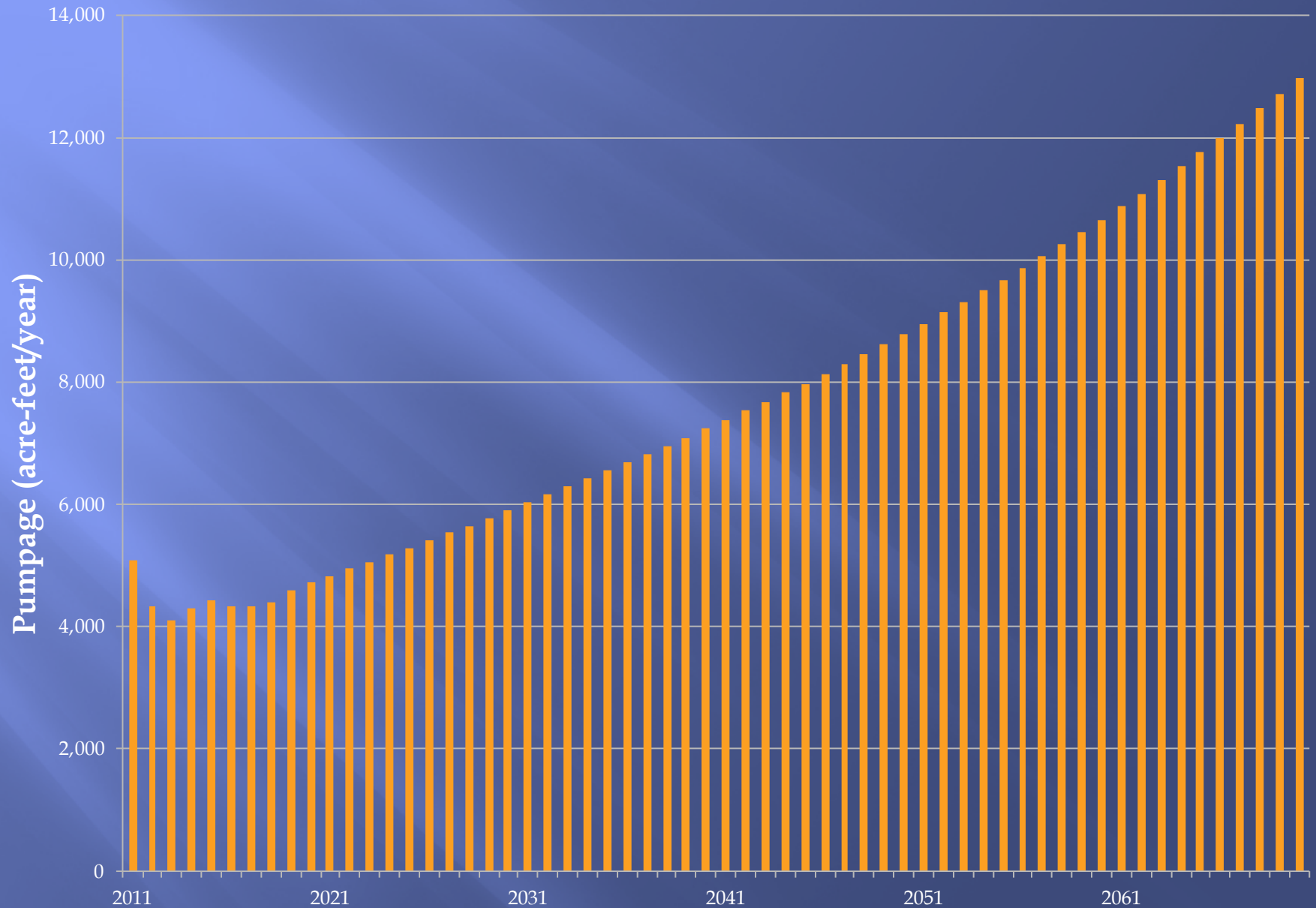
Sparta Pumpage



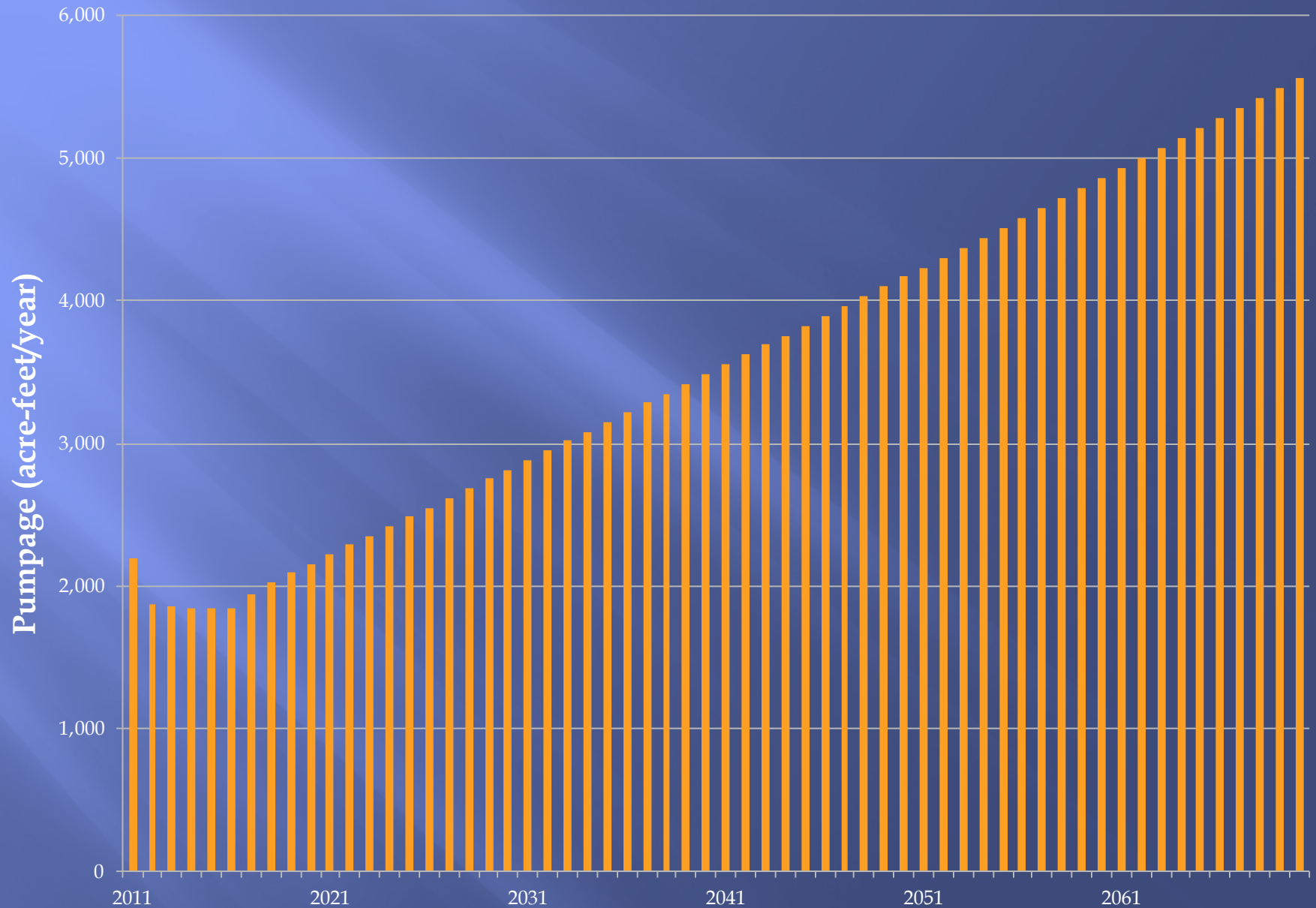
Queen City Pumpage



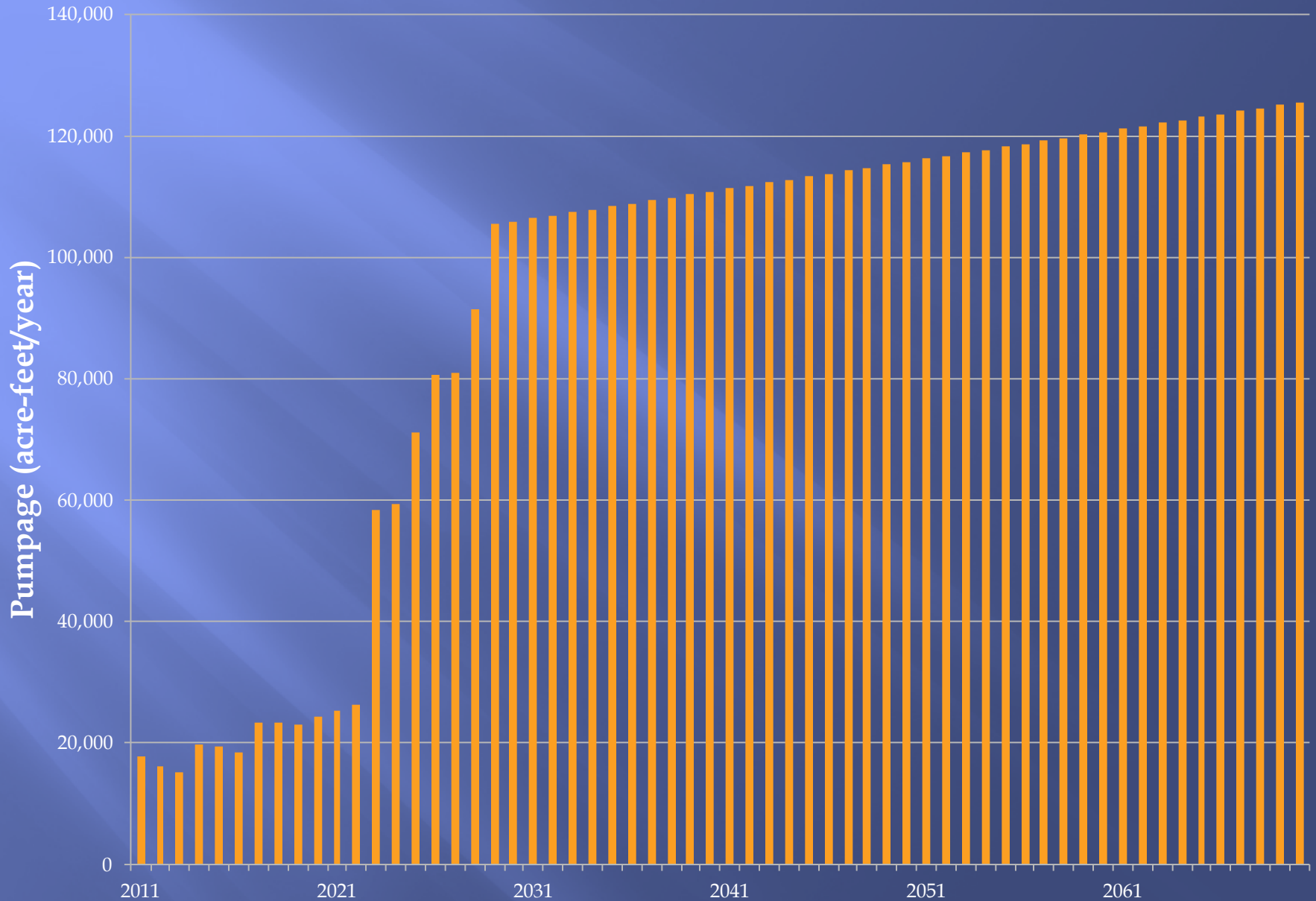
Carrizo Pumpage



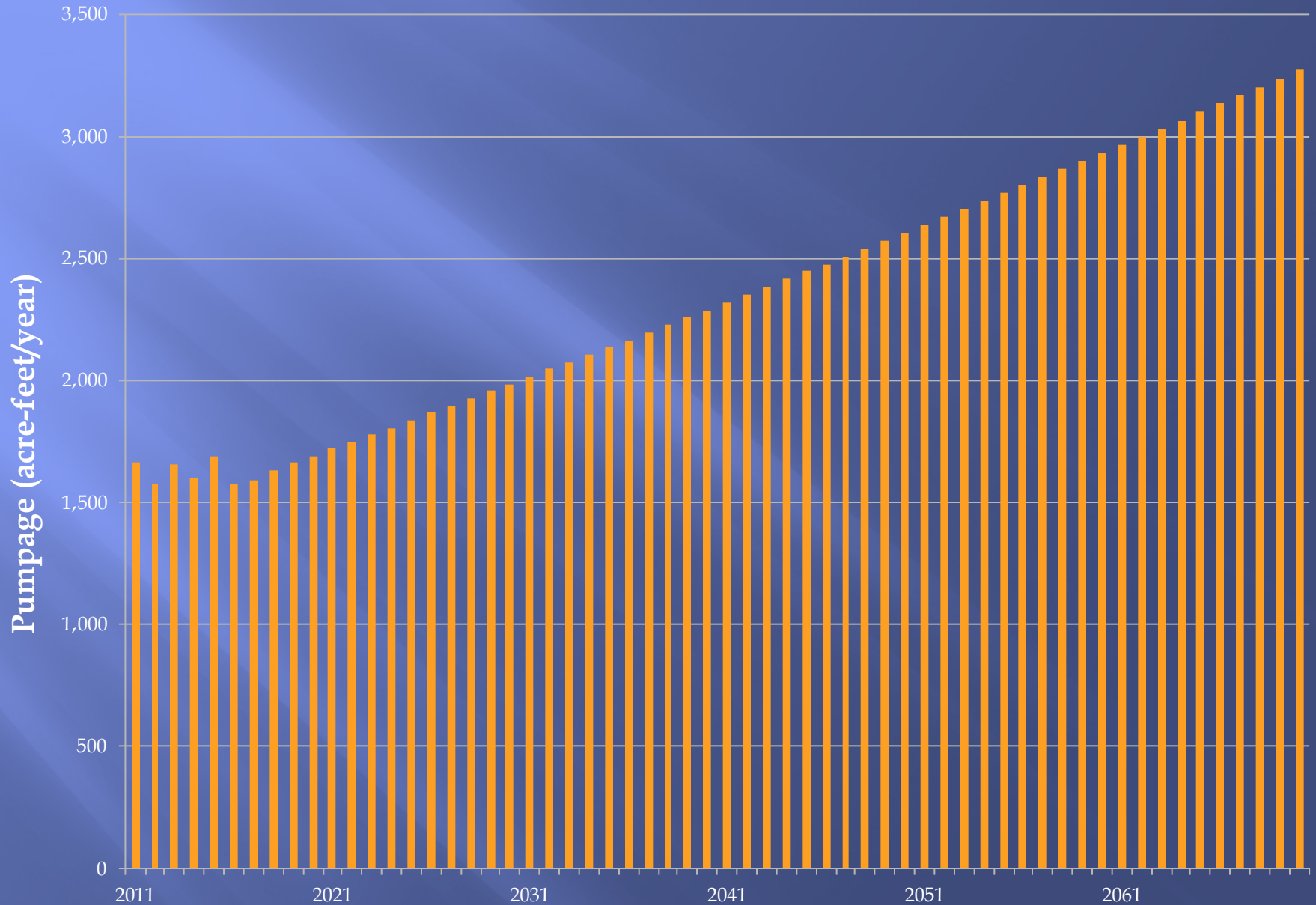
Calvert Bluff Pumpage



Simsboro Pumpage



Hooper Pumpage



The Path Forward

Moving Forward with Modeling

- ▣ Determine how results from GAM will be analyzed
- ▣ Predictive well (WEL) file will be based on the 2010 data from the historic calibration well file
- ▣ GCDs will estimate pumpage for their districts for 2011-2017
- ▣ Similar to the last round, we will create well files based on instructions from GMA 12 and assess the results

Possible Schedule- 2019

- ▣ Spring 2019- Current Meeting. Finish “interim” pumpage (2011-2017)
- ▣ Summer 2019- Finish 2-3 predictive GAM runs based on input from GMA 12, discuss non-relevant aquifers
- ▣ Fall 2019- Additional GAM runs, discussion of nine factors, declaration of non-relevant aquifers

Possible Schedule- 2020

- ▣ Winter 2020- Additional GAM runs, discussion of nine factors
- ▣ Spring 2020- Final decisions on GAM runs, final discussions on nine factors
- ▣ Summer 2020- Discuss and finalize proposed DFCs
- ▣ Fall 2020-Adopt proposed DFCs (deadline May 1, 2021)

Possible Schedule- 2021

- ▣ Winter 2021- GCDs public comments and public hearing
- ▣ Spring 2021- Discuss public comment received
- ▣ Summer 2021- Adopt final DFCs (deadline Jan. 5, 2022, discuss draft Explanatory Report
- ▣ Fall 2021- Adopt final Explanatory Report

Questions???