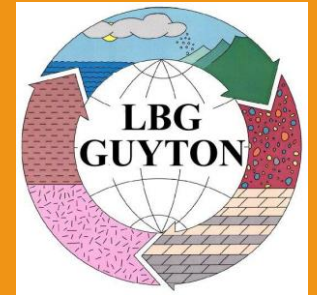


Plateau RWPG Meeting

LBG-Guyton Technical Consultant Presentation

February 23, 2017



NO changes in population county totals between Plans.

Why?

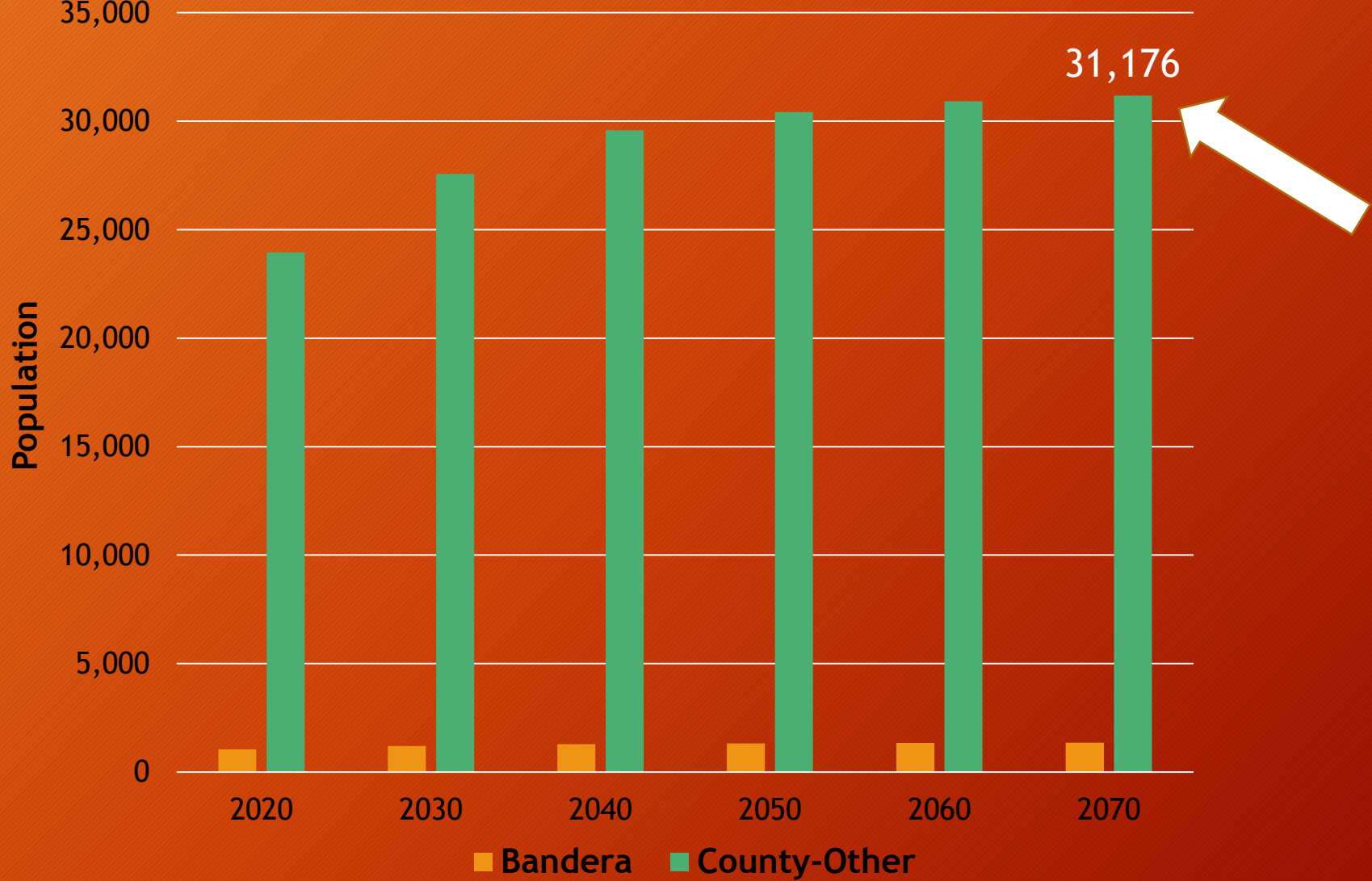
- ★ **Inter-census planning cycle (new census numbers are not available for projections).**

Change in municipal and county-other allocations due to utility service area boundaries and the incorporation of new utility WUGs.

WUG POPULATION CHANGES

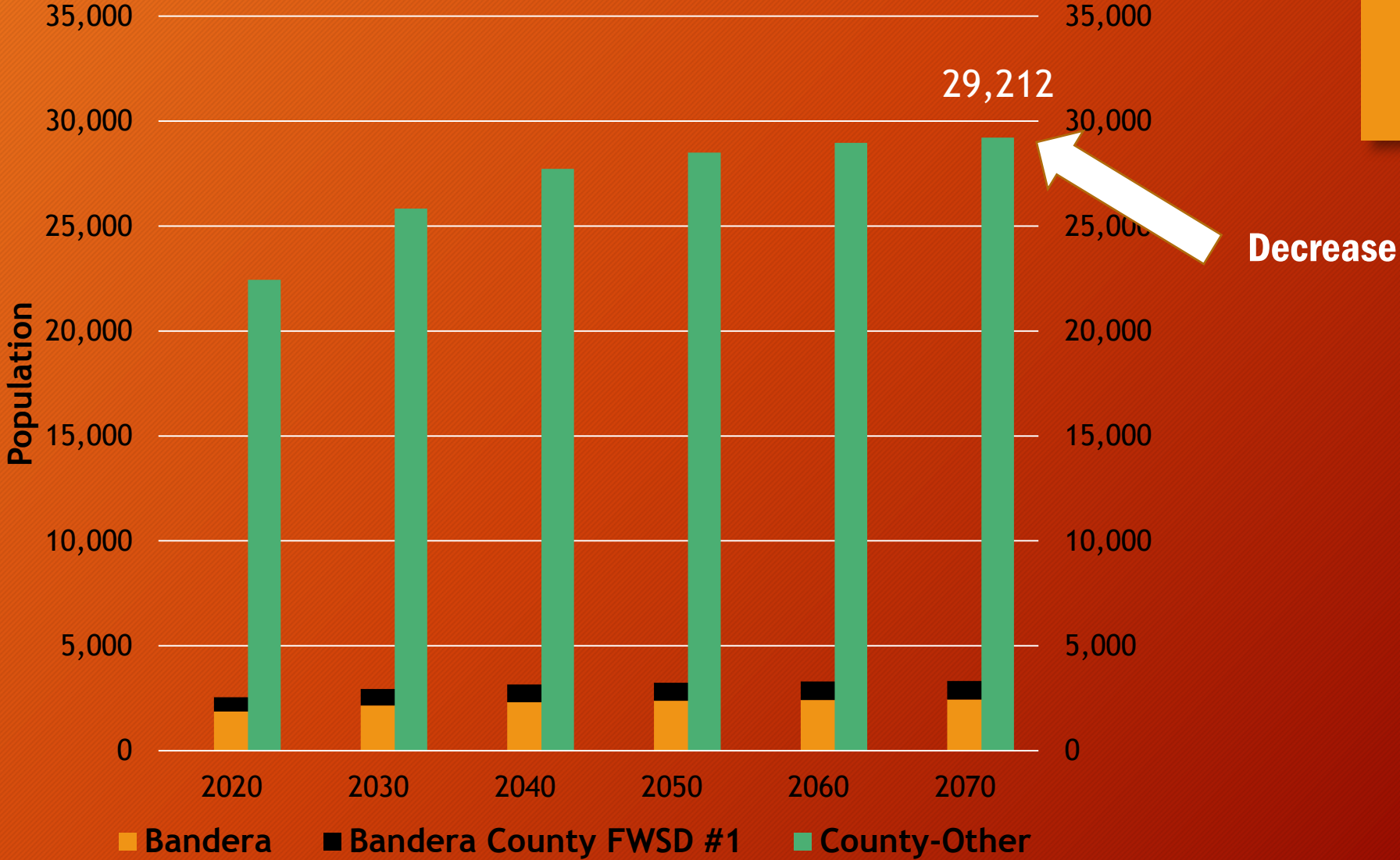
2016 BANDERA COUNTY POPULATION COMPARISON

Municipal vs. County-Other



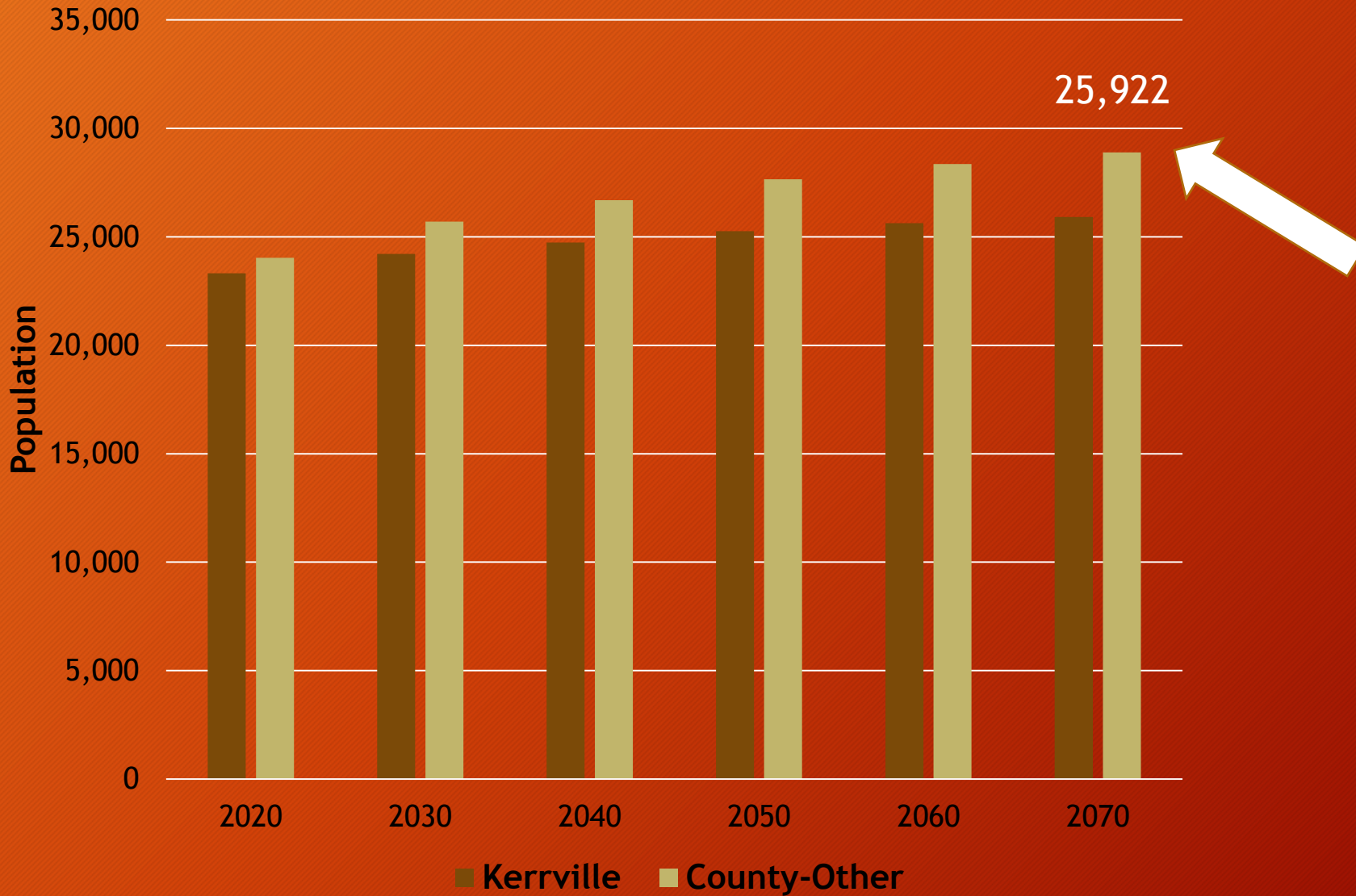
2021 BANDERA COUNTY POPULATION COMPARISON

Municipal vs. County-Other



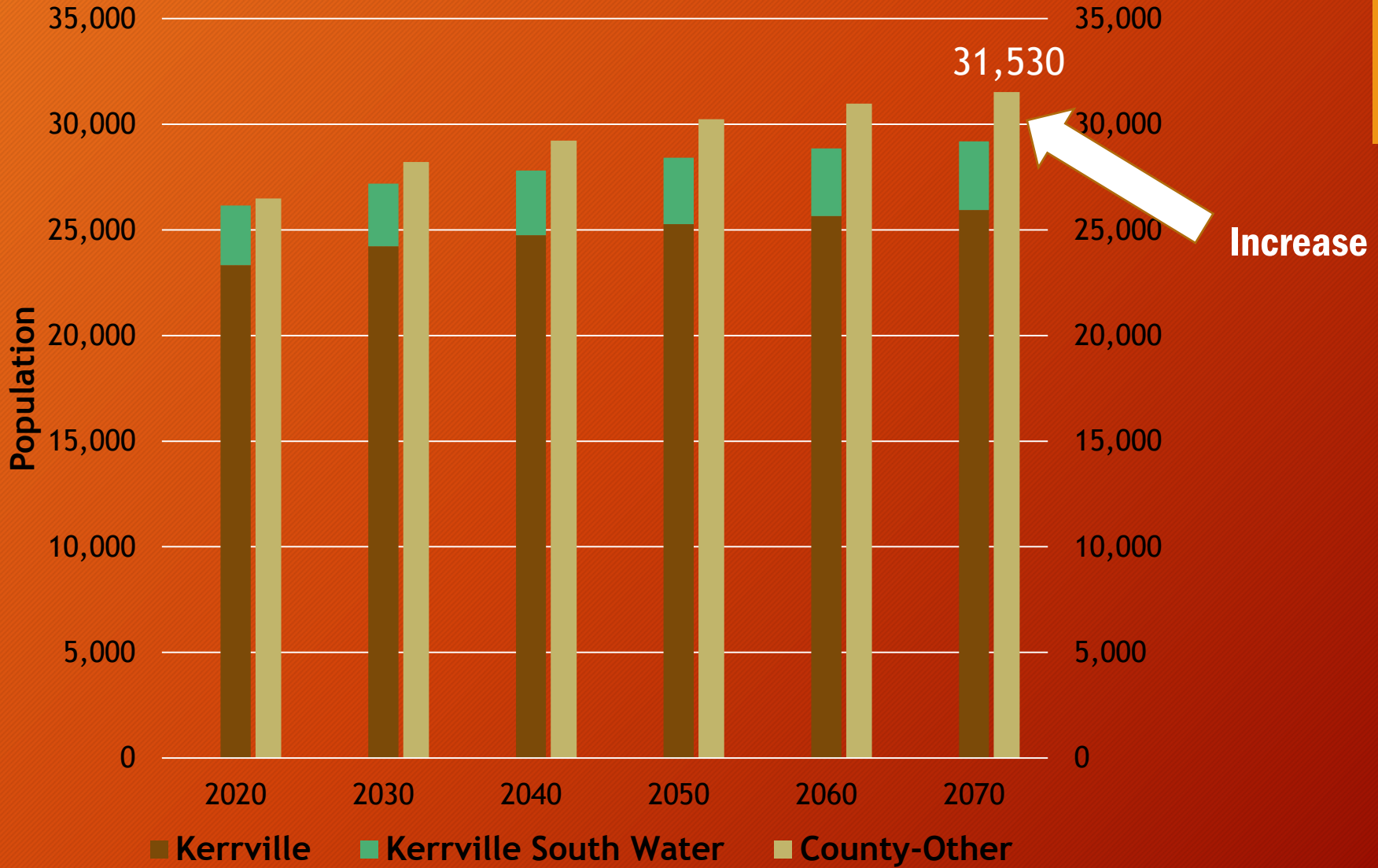
2016 KERR COUNTY POPULATION COMPARISON

Municipal vs. County-Other

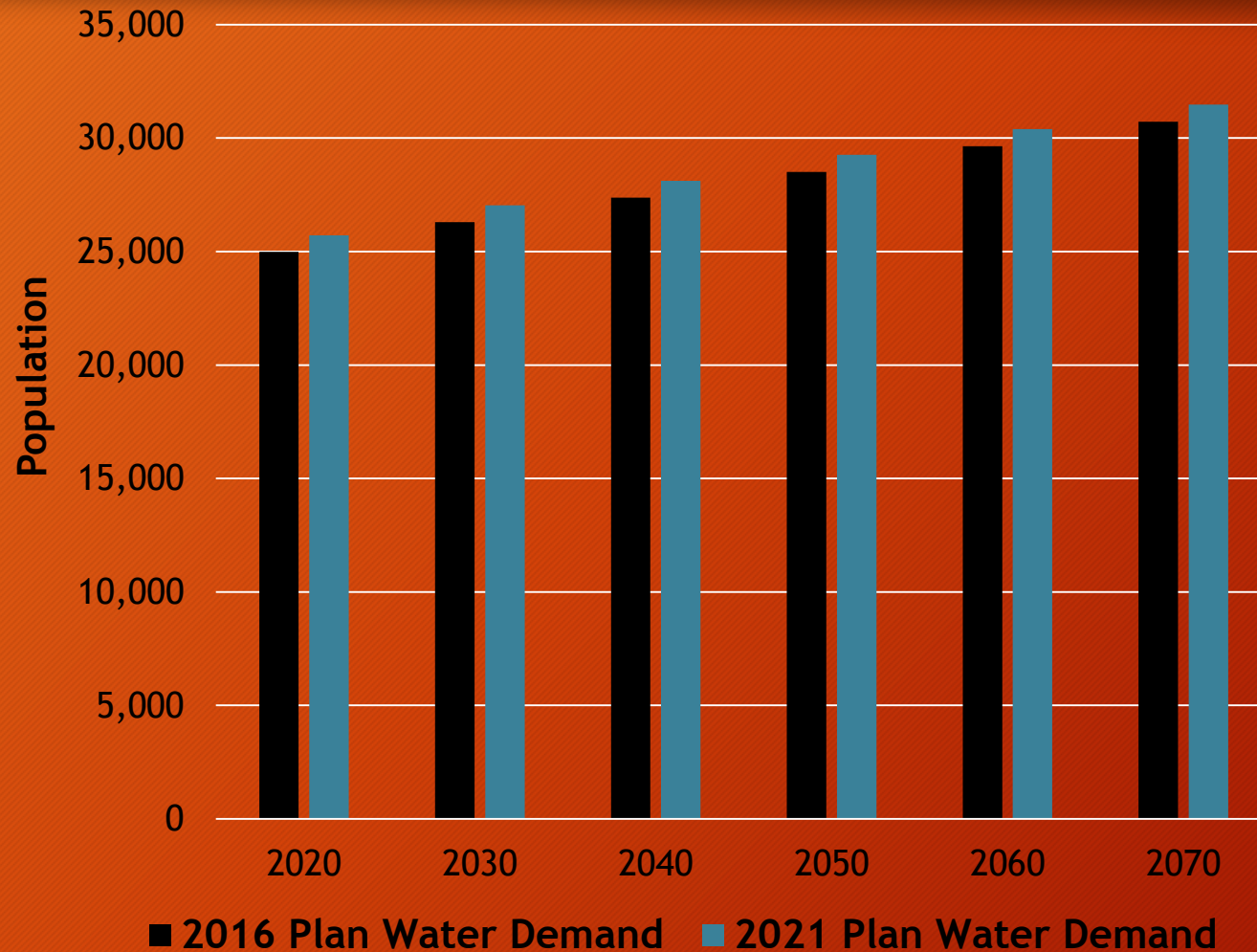


2021 KERR COUNTY POPULATION COMPARISON

Municipal vs. County-Other



MUNICIPAL & COUNTY-OTHER WATER DEMAND COMPARISON



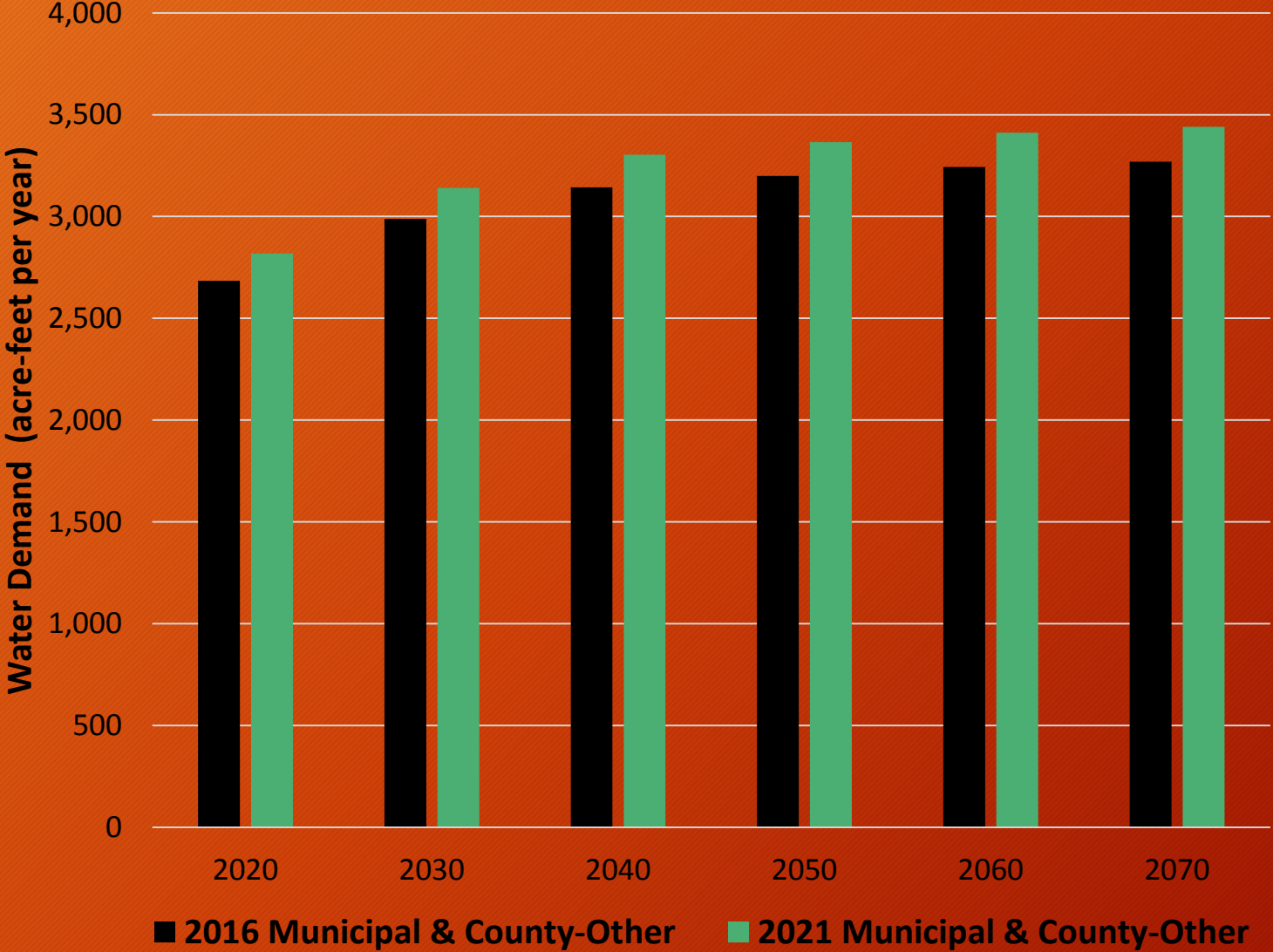
ALL counties experience some change in the total water demand draft projections.

Why?

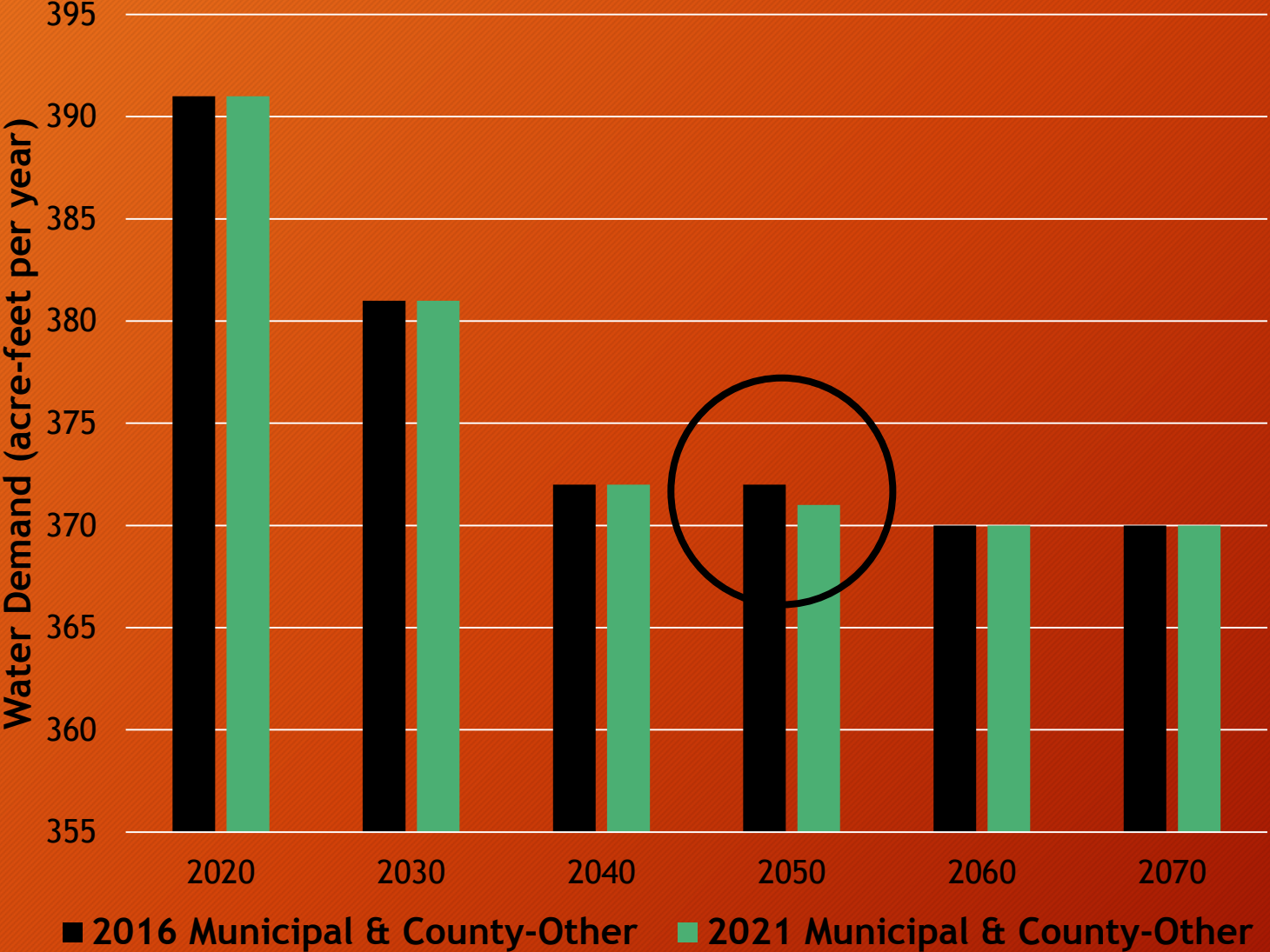
- ✦ **Shift in population = Shift in water demand based on GPCD allocation.**
- ✦ **2016 Plan municipal water demand projections used the (GPCD) volumes from the 2017 SWP.**
- ✦ **New WUGs water demand projections used the 2011 or 2014 (GPCD) volumes.**

WUG WATER DEMAND CHANGES

Bandera County Water Demand Comparison

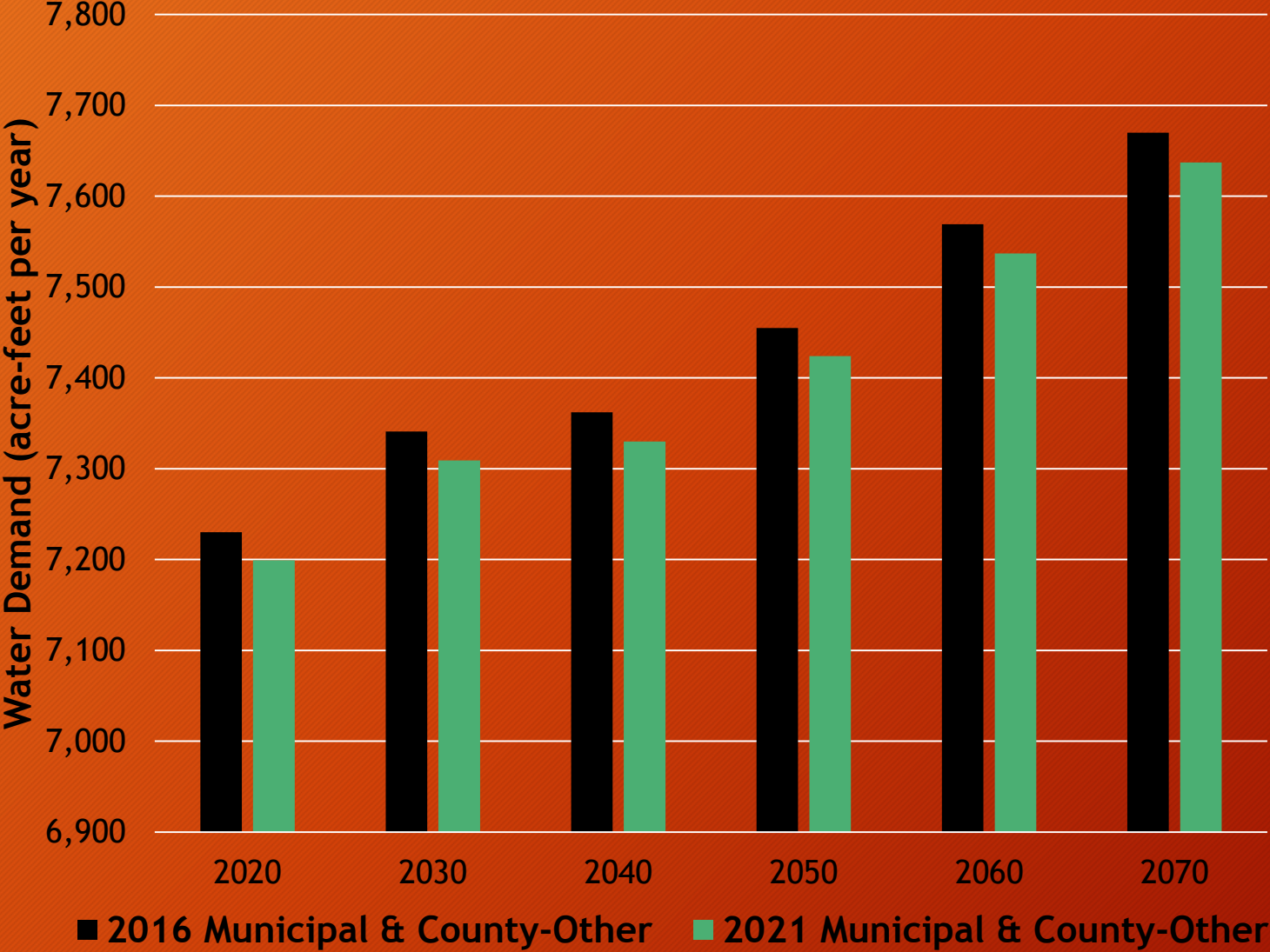


Edwards County Water Demand Comparison

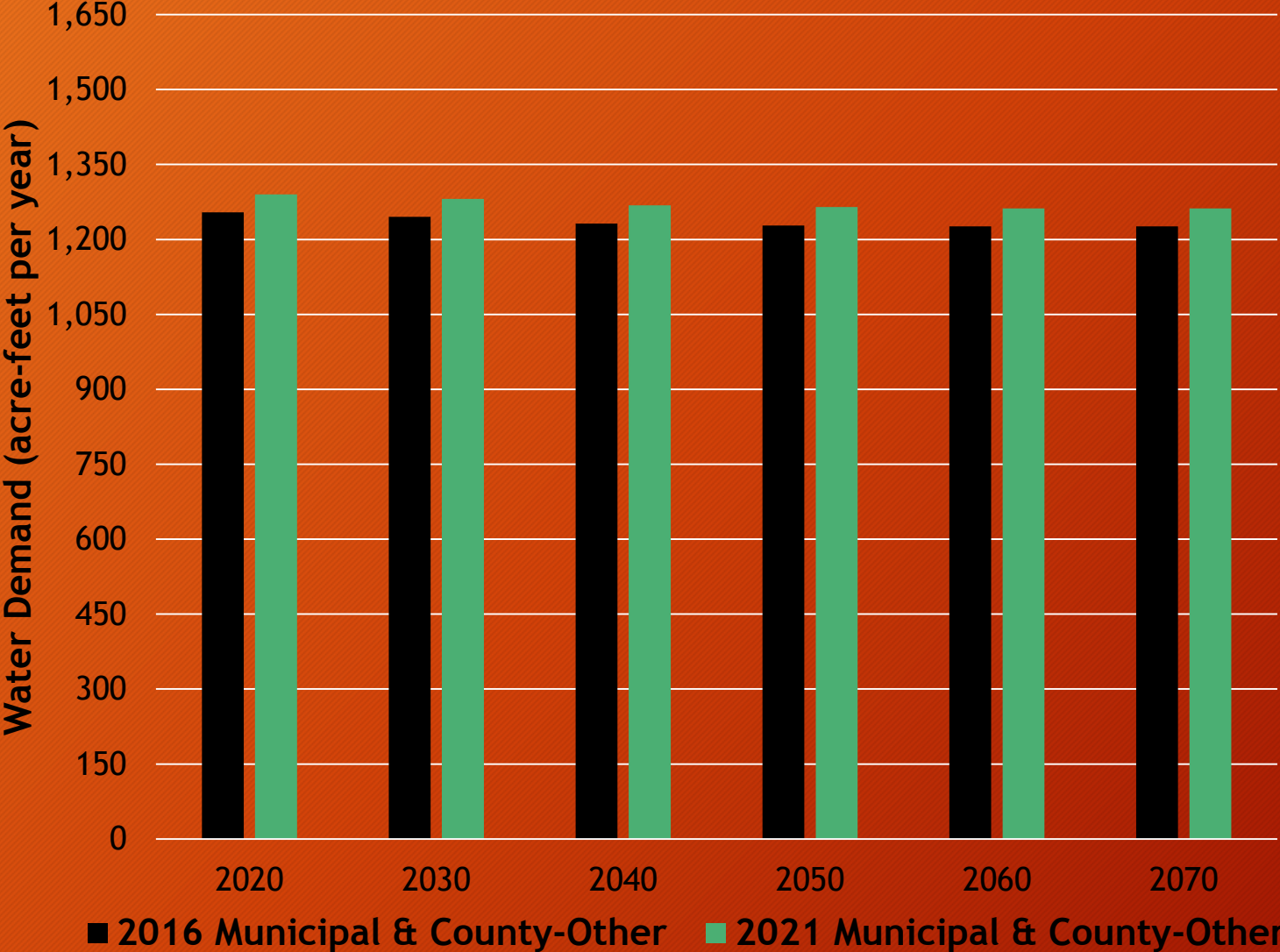


Kerr County

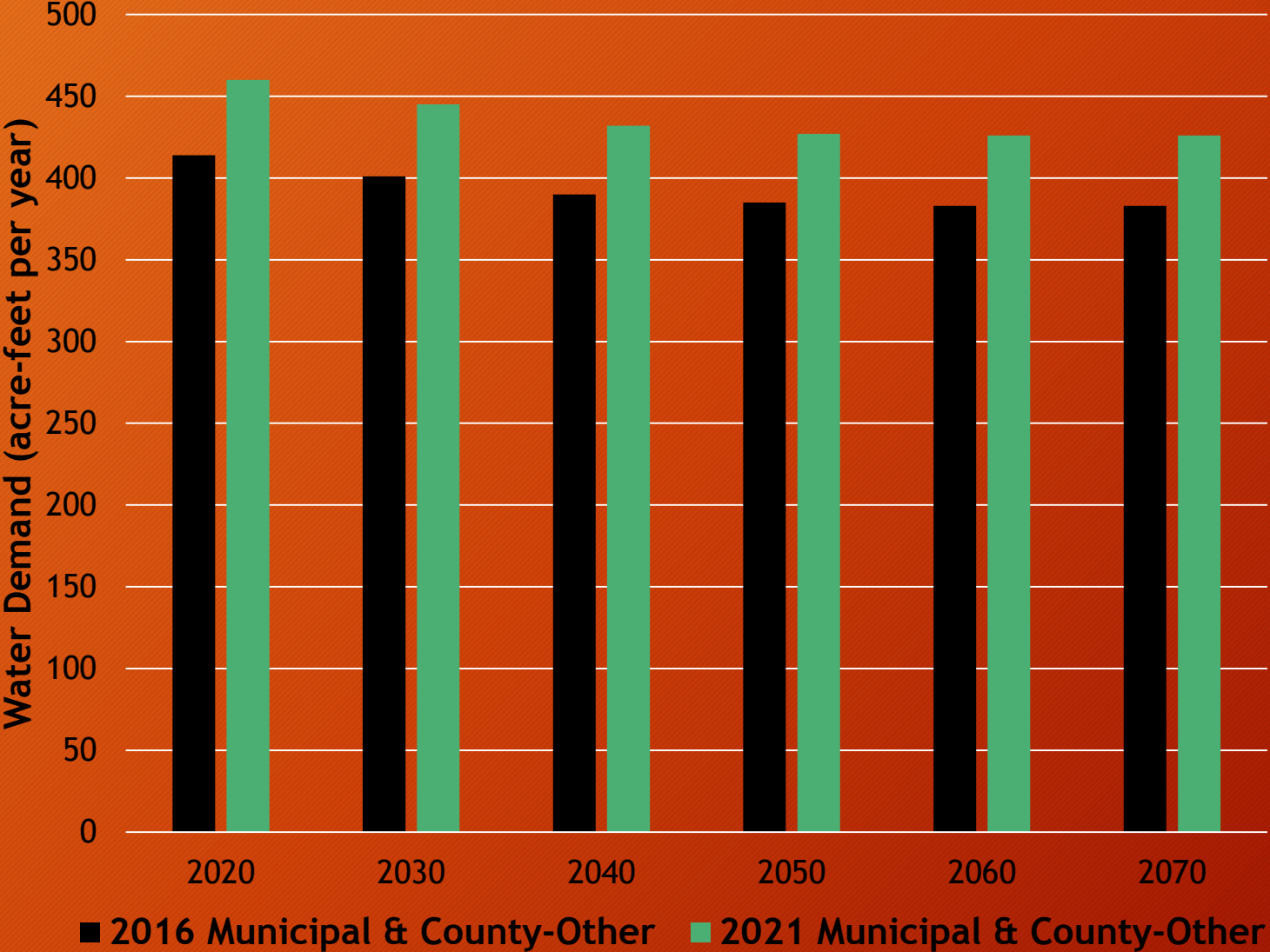
Water Demand Comparison



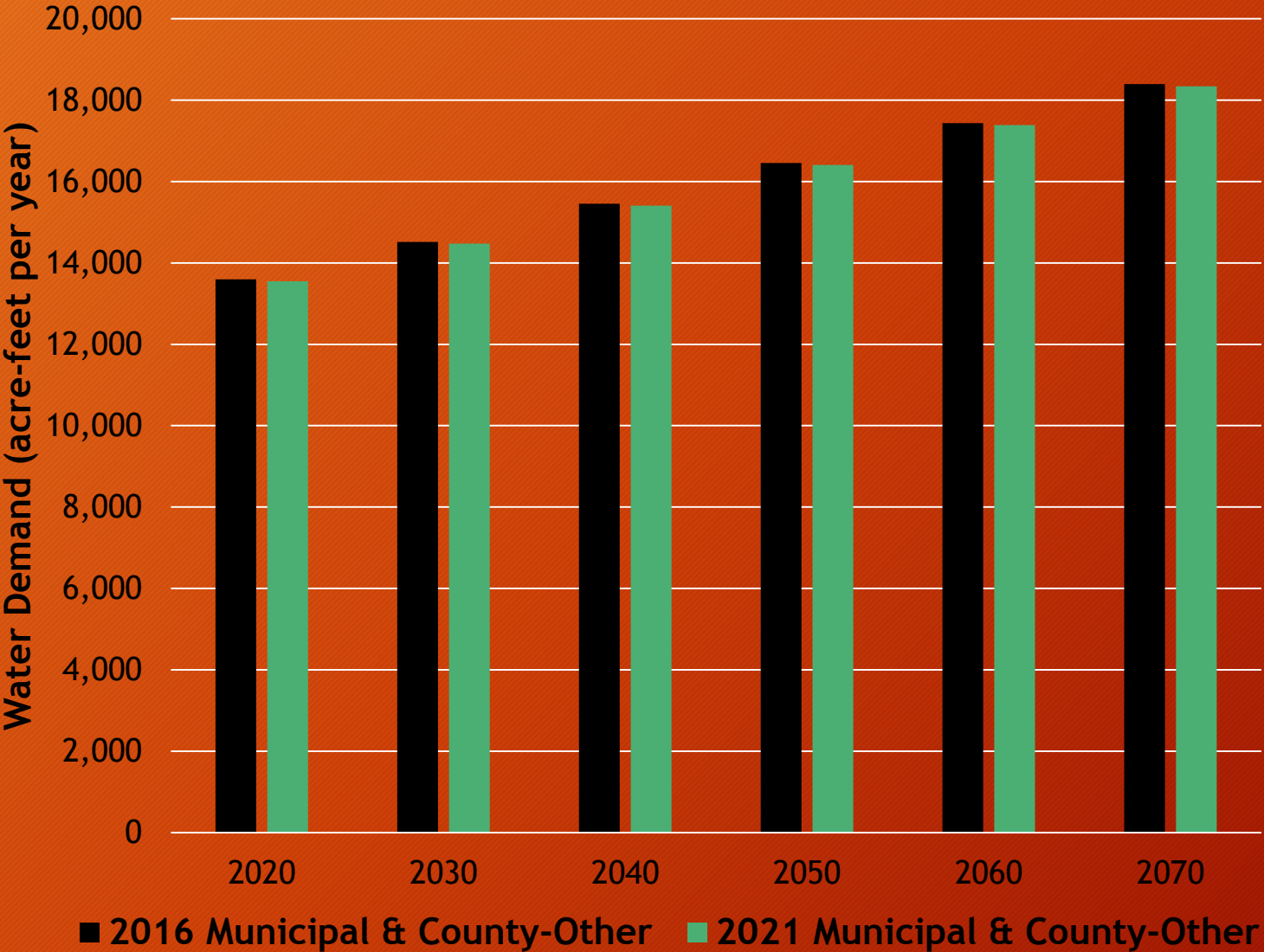
Kinney County Water Demand Comparison



Real County Water Demand Comparison



Val Verde County Water Demand Comparison

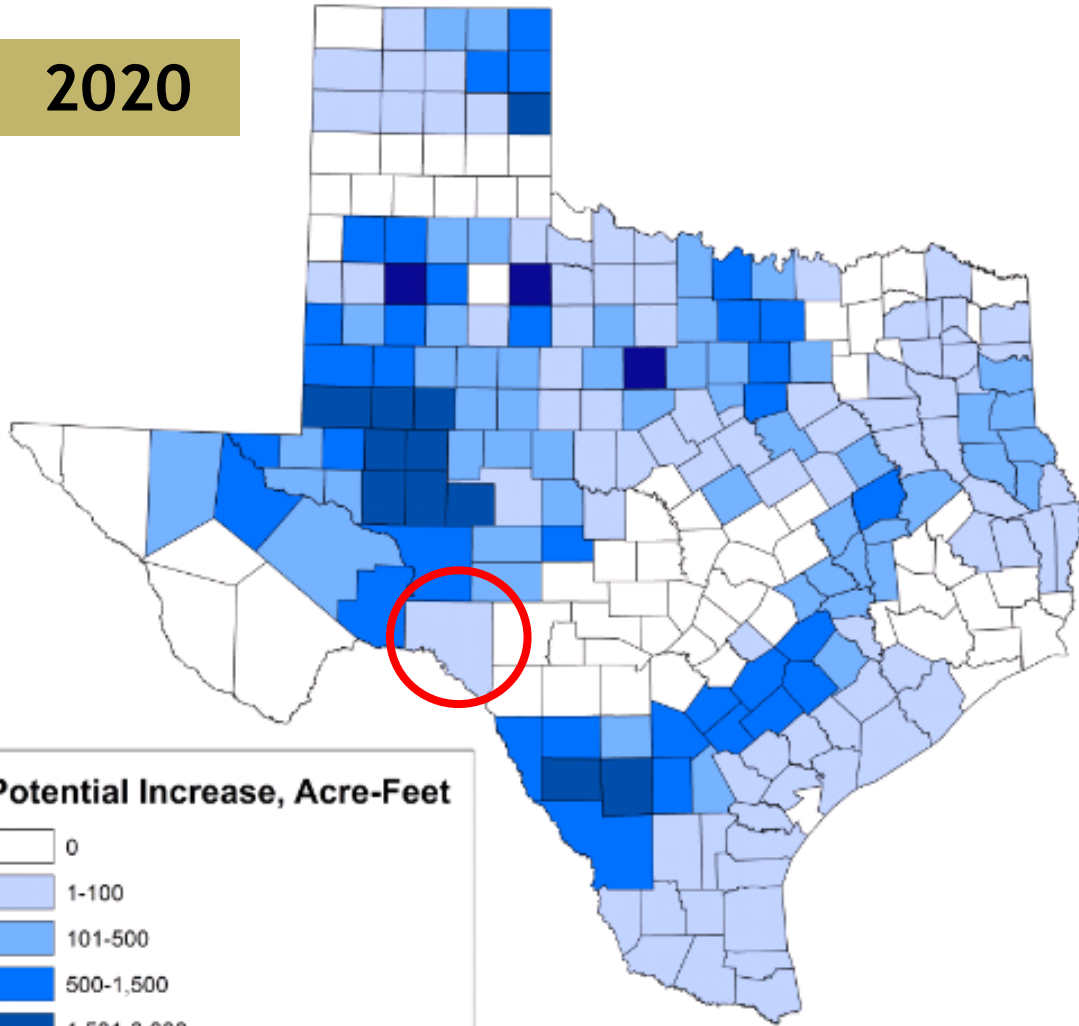


- ✦ **Discuss and consider approval of draft mining water demand projections.**
- ✦ **Discuss and consider County-Other Sub-WUG's.**

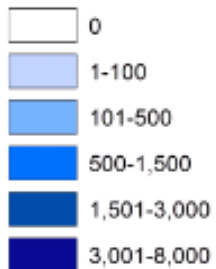
ADDITIONAL WUG ANALYSIS

Reuse & Brackish Groundwater Potential Increase in Mining Demands

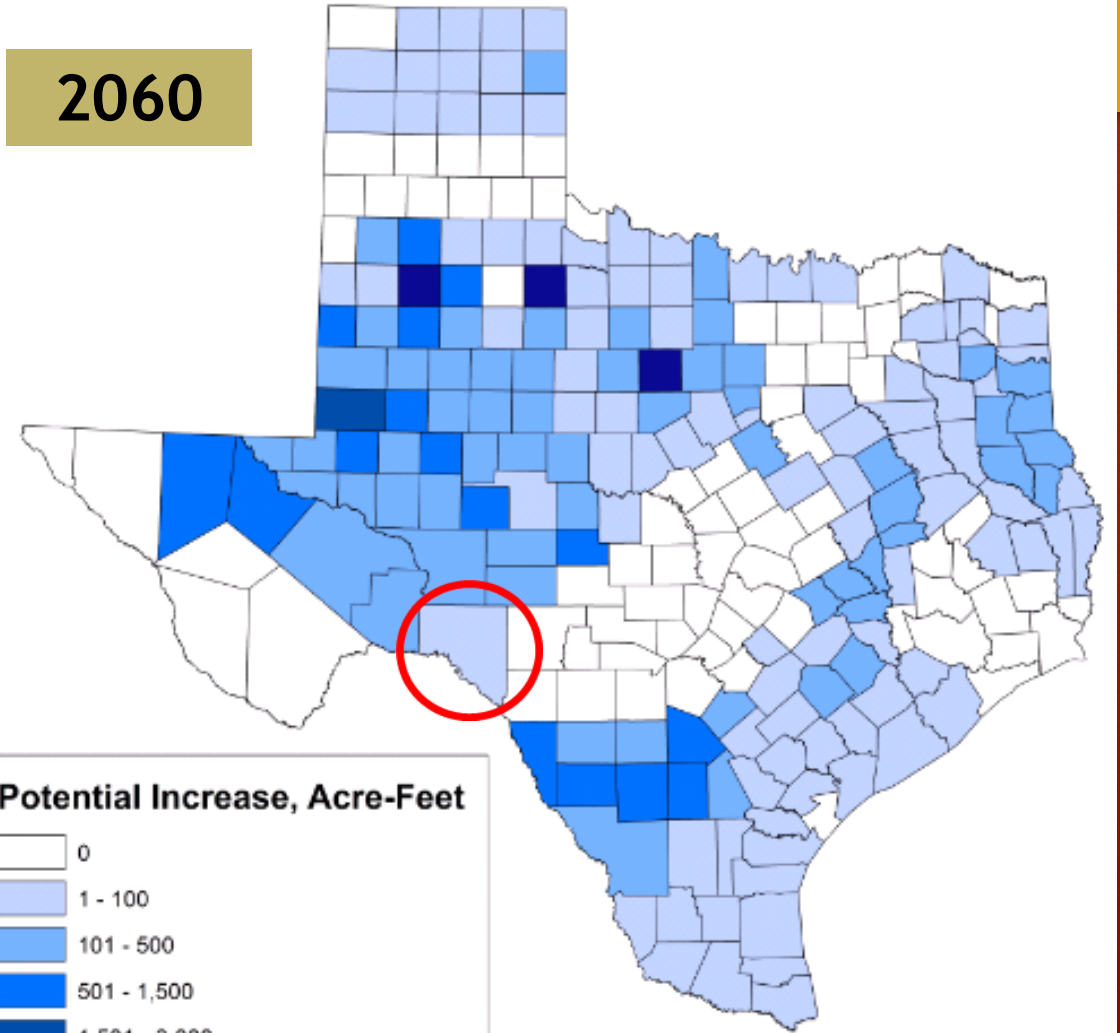
2020



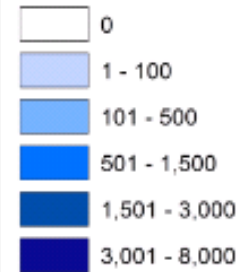
Potential Increase, Acre-Feet



2060



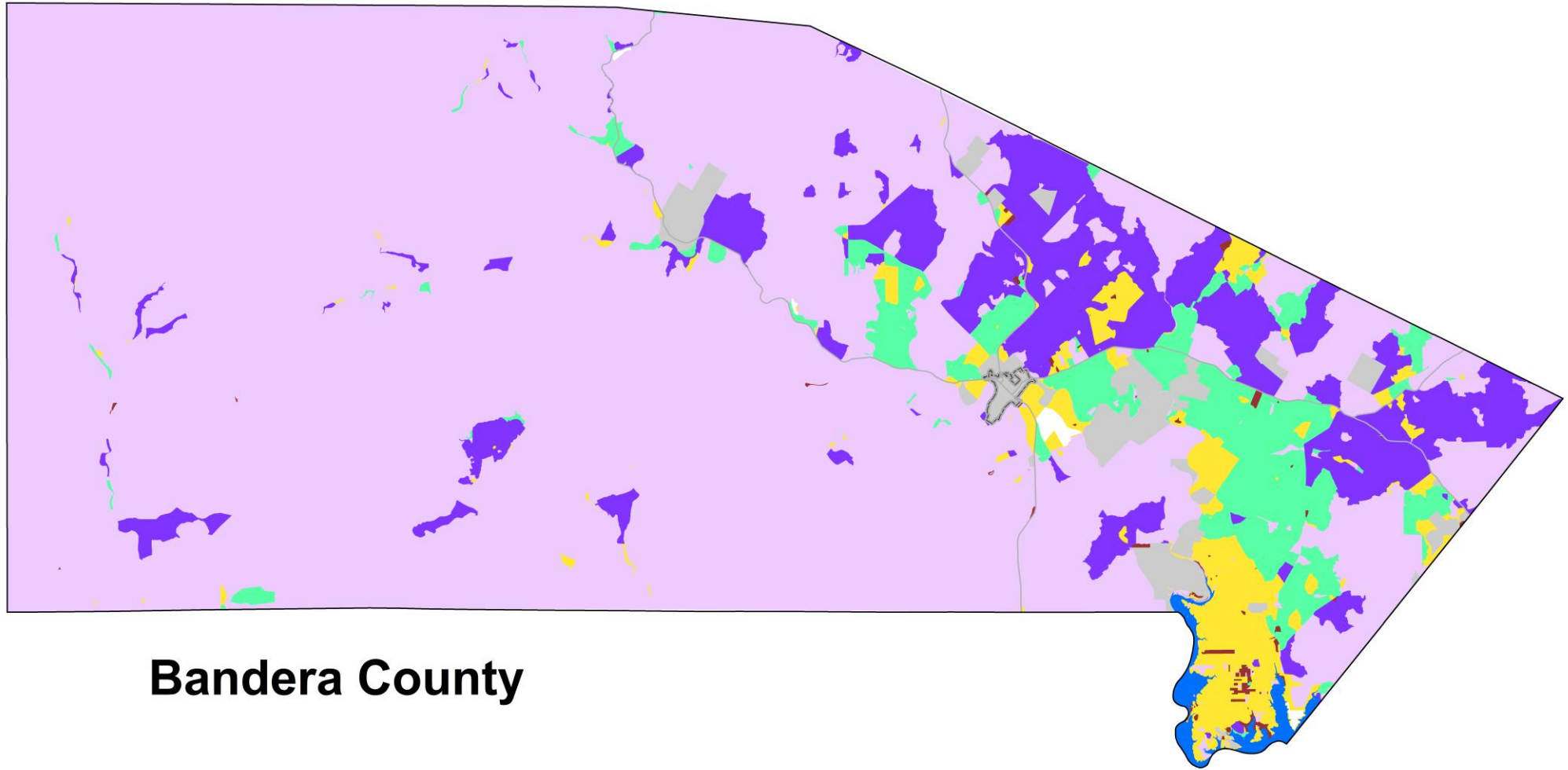
Potential Increase, Acre-Feet



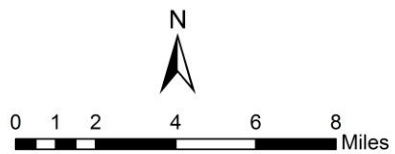
County-Other Sub-WUGs

- ✦ **Sub-WUG breakout provides a more refined analysis.**
- ✦ **Water demands will be assigned to those entities individually.**
- ✦ **This process is to better account for, and present water supplies and water needs within the ‘county-other’ category.**
- ✦ **Ideal process for Bandera and Kerr counties were the population and water demands are primarily concentrated to the eastern portion of the counties.**

Will the identification of these ‘needs’ impact those entities in a positive way when it comes to the strategy prioritization process?

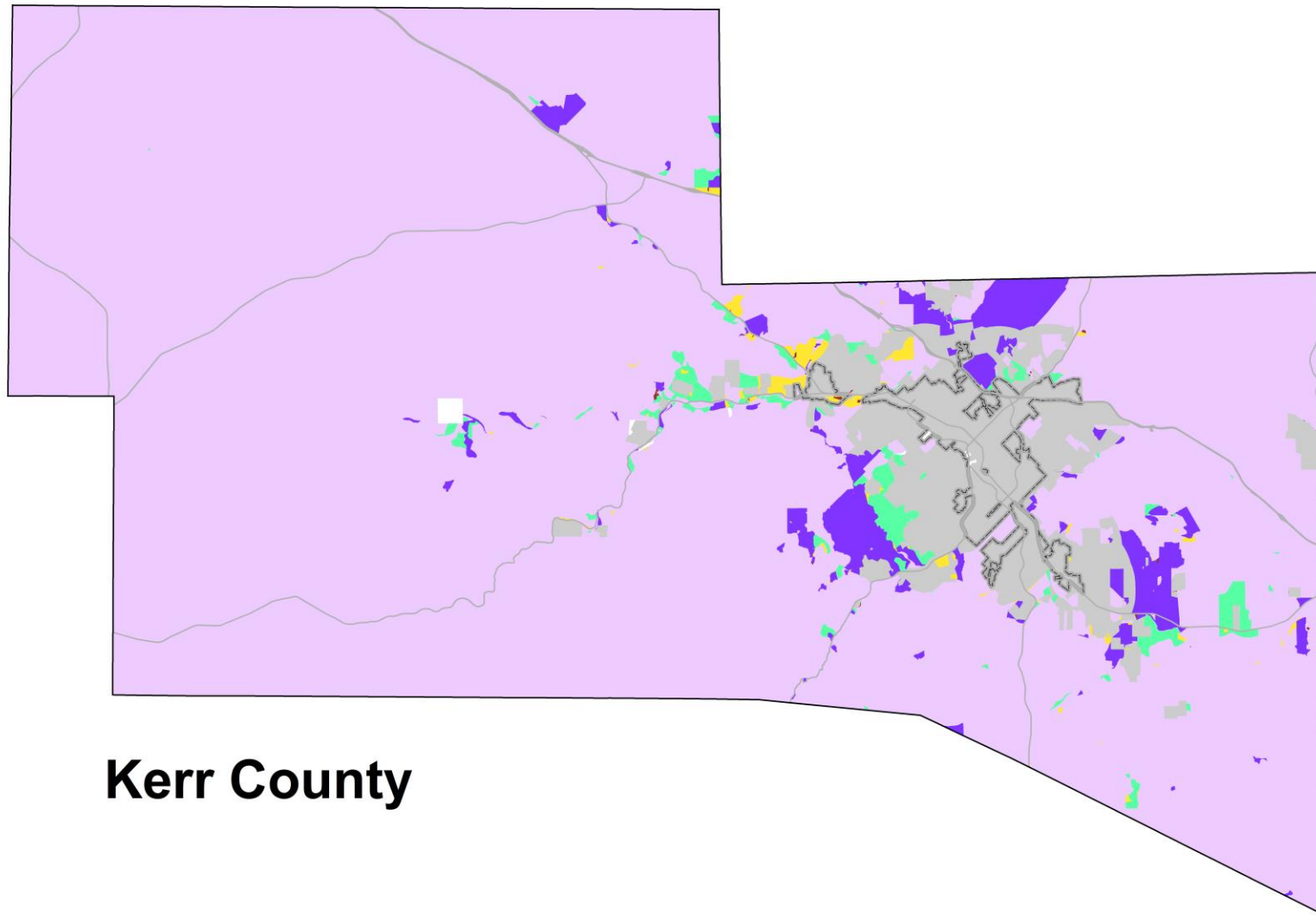


Bandera County

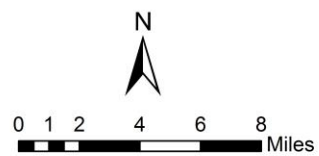


EXPLANATION

- | | | |
|---------------------|------------------------|-----------|
| City | Population / sqmi < 20 | 51 - 100 |
| Public Water Supply | 21 - 50 | 101 - 500 |
| Water Body | > 500 | |



Kerr County



EXPLANATION

City	Population / sqmi < 50	101 - 250
Public Water Supply	51 - 100	251 - 1000
Water Body	> 1000	