Memorandum

DATE February 4, 2022

TO Honorable Chair and Members of the Redistricting Commission

SUBJECT **Districtr Deviation, Districtr Guide and Map Overlays**

This memo serves as an update to requests made by the Chairman and the Commission, since the last Redistricting Commission meeting on January 24, 2022.

Districtr Deviation

The Districtr software measures the difference in population between the district with the largest population compared with the Ideal Population **OR** between the district with the least (negative) population compared with the Ideal Population – whichever is greater. The Districtr software terms this measurement as the Maximum Deviation. However, because the software is looking at only ½ of the measurement of Total Deviation, Districtr caps this Maximum Deviation at 5%. Therefore, each district within a map should not exceed a 5% deviation measurement.

For evaluation of a submitted map, we use the Total Deviation measurement which is the difference between the most and the least populated district divided by the Ideal Population (which is Total Population/Divided by the number of Districts). The Total Deviation percentage for a submitted map should not be more than 10%, when residents are creating their own maps for submission. Only those maps that meet the Total Deviation requirement will be considered for acceptance.

The above language will be added to the directions under the "Create Your Plan" tab on DallasRedistricting.com.

Districtr Guide

The following Districtr User Guide is available at the bottom of the Training Videos page of the redistricting website to guide users as they create their maps.

| Create Your Plan | Submit Your Map | Training Videos | Reference Layers |

| Districtr Guide |

Map Overlays

The following reference layers are available on DallasRedistricting.com:

- 2021 Dallas Voting Precincts
- City Limits
- Libraries
- Recreation Centers
- City of Dallas Schools
- DISD Campuses
- DISD Elementary School Attendance Areas
- DISD Middle School Attendance Areas
- DISD High School Attendance Areas
- Dallas Homeowner Associations
- City of Dallas Independent School Districts
- 2011 Council Districts
- Neighborhood Associations
- All plans that have been placed into the inventory for further consideration by the Commission

All these layers can be turned on or off or moved up or down. ARCBridge has added COD-006 which the commission voted for further consideration.

As you can see, we have been able to find a GIS Point layer for all the schools within the City of Dallas. This layer has been added to the reference layers as City of Dallas Schools.

This layer was obtained from the Texas Education Agency Open Data Portal. The layer has many data fields including school name and school district information.

The reference layer section has Dallas ISD schools and attendance areas for elementary, middle and high schools.

Information for other school districts within the City of Dallas boundaries is not available.

Respectfully,

Brett Wilkinson
Government Affairs Director