

How Facilities Can Help Fight the Impact of Poverty on Education

by Monte Hunter

A4LE Southern Region Conference, 2021

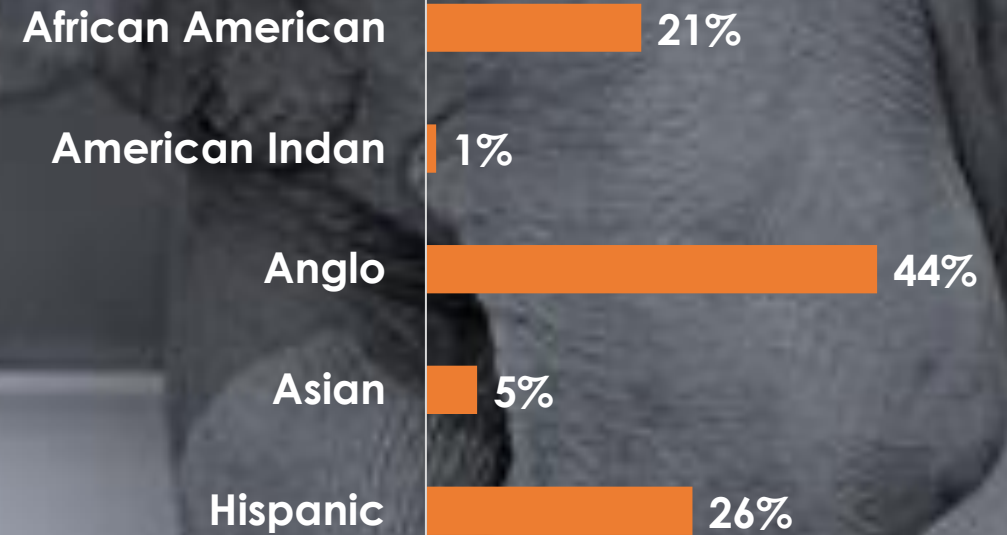
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Students in Poverty

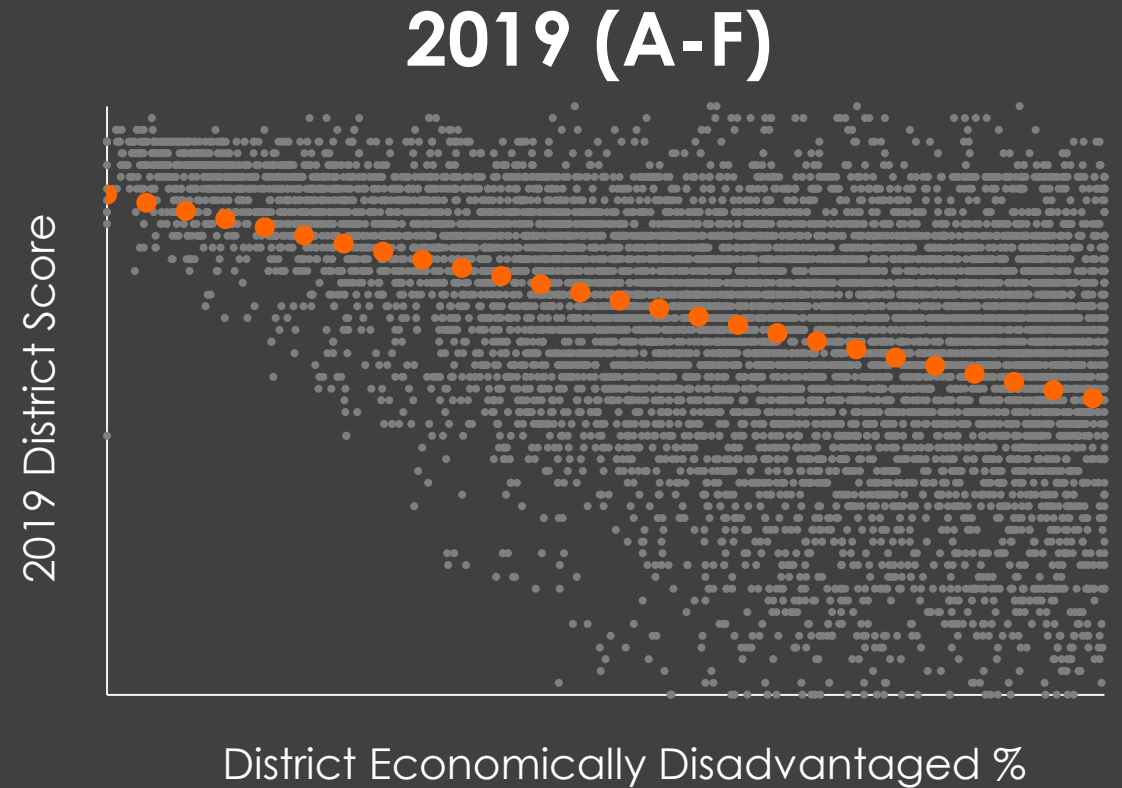
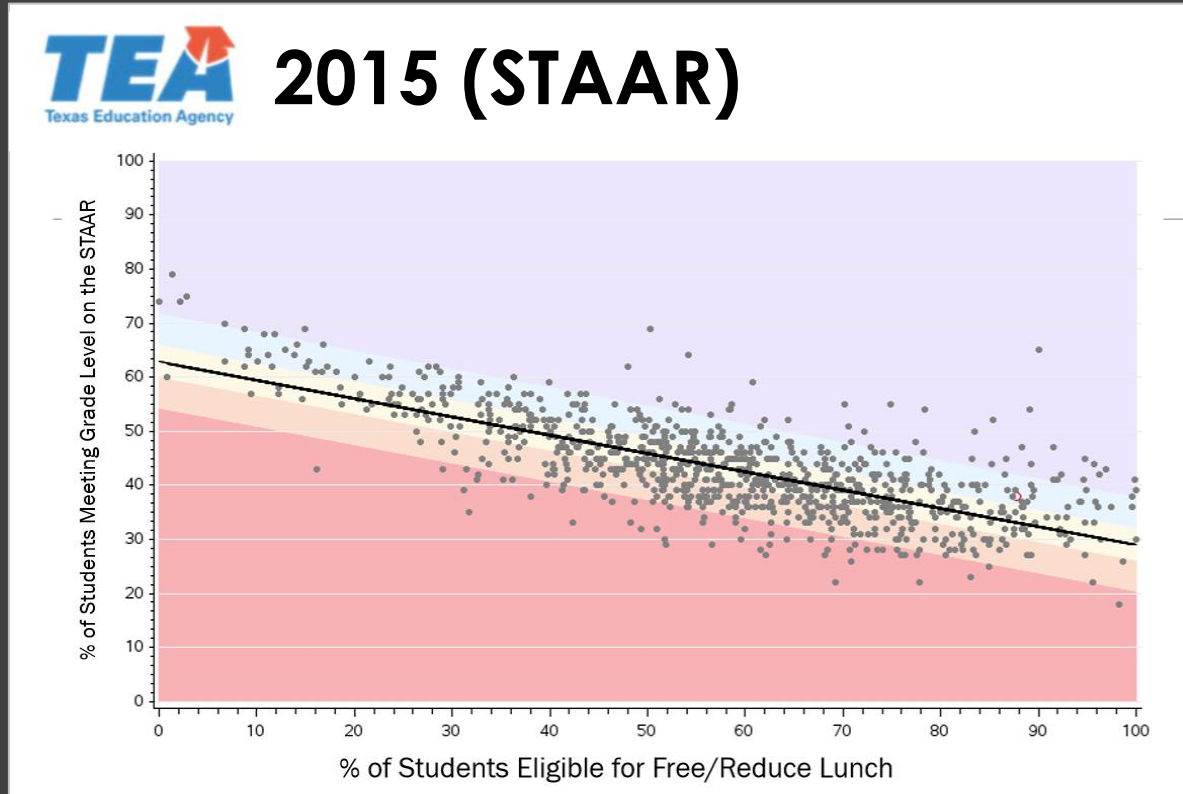
40M in USA

3M in Texas

Of the 40M in USA



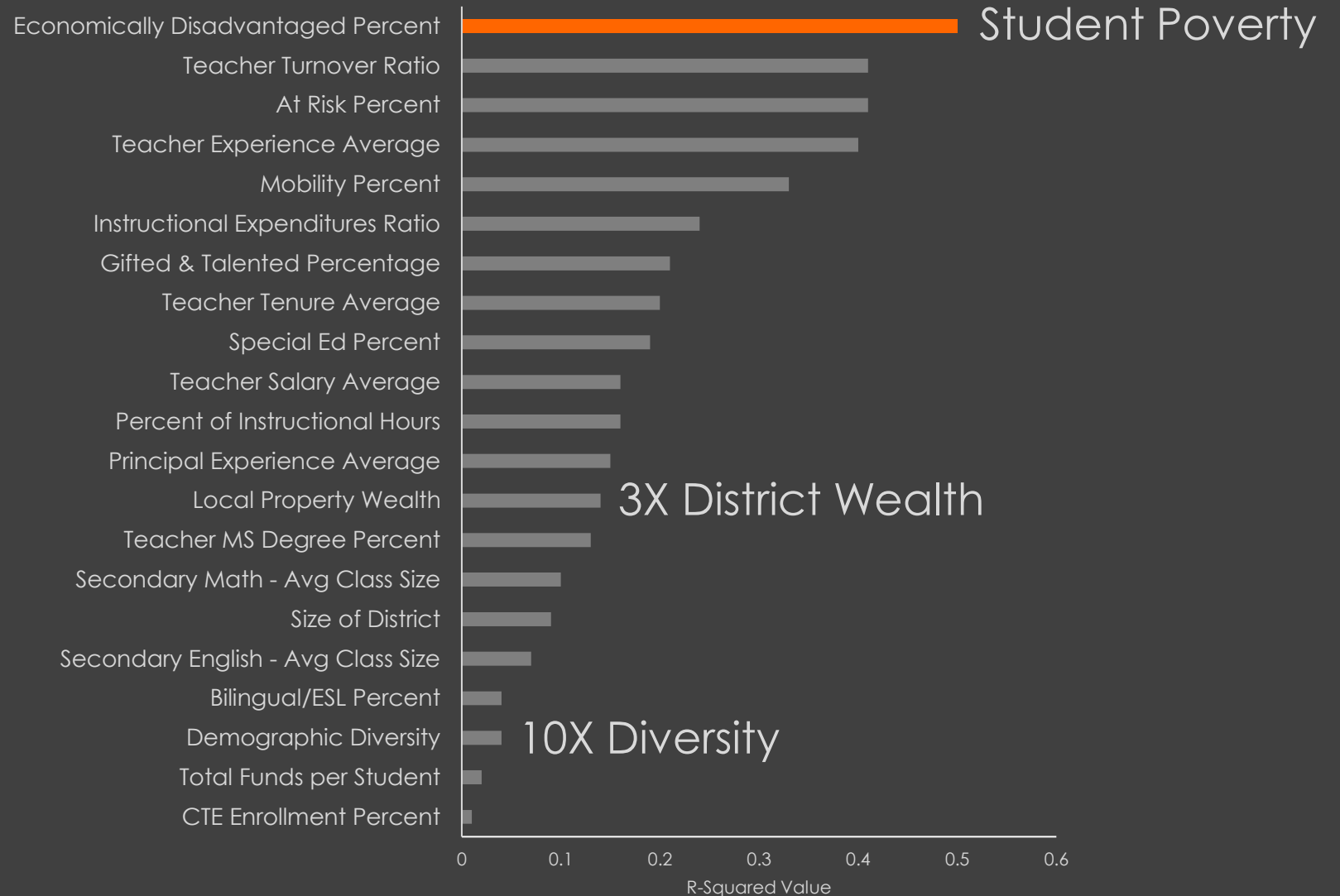
SCORES DECREASE AS POVERTY INCREASES



ASSOCIATION WITH STUDENT ACHIEVEMENT

Analysis of Texas School Districts

- Dr. Chris Jackson, 2018



2001

Poverty has such a dramatic impact on school outcomes that other variables are possibly masked

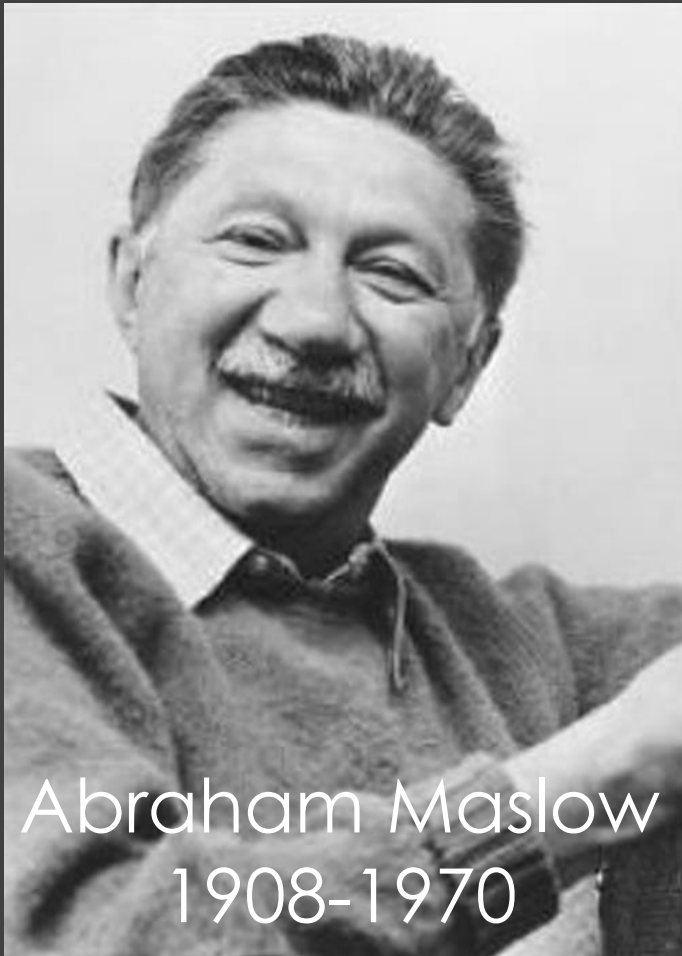
- Kenneth R. Stevenson

2019

Racial segregation leads to growing achievement gaps – but it does so entirely through differences in school poverty

- Sean Reardon, Stamford University

10 Planning Practices



END NOTES & REFERENCES

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Texas Education Agency. (2019). *General Information data search. 3,063,594 students are categorized economically disadvantaged.*

The State of New Jersey Task Force on Student Achievement", New Jersey, 2017, *Found early education (ages 3-4) improved student achievement in later years, especially economically disadvantaged students.*

Texas School Safety Center, *The Relationship Between Student Perceptions of Safety and Academic Performance, 2016.*

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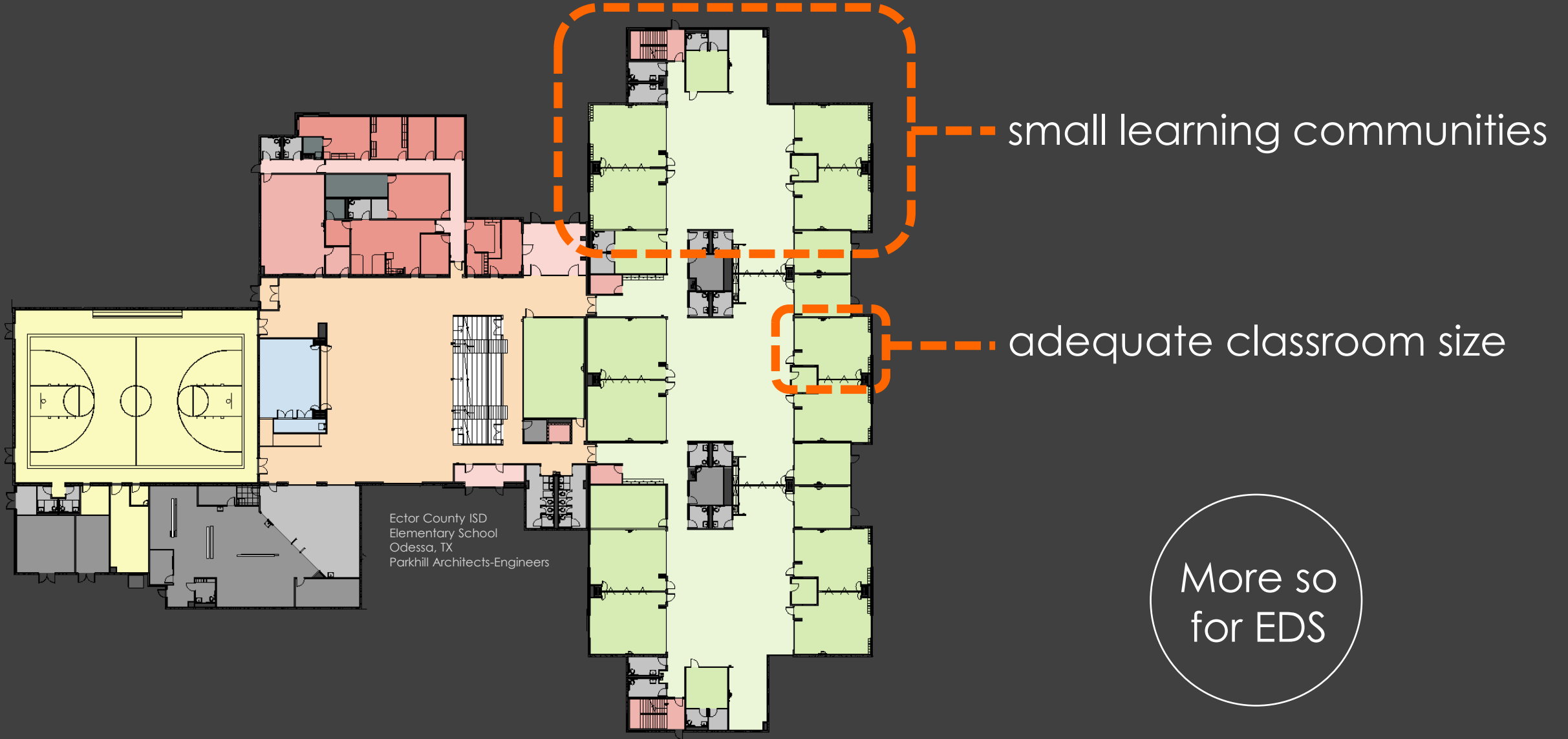
monte@maprllc.com

1 NUTRITION & SHELTER

More so
for EDS

SAFE SECURE SCHOOLS

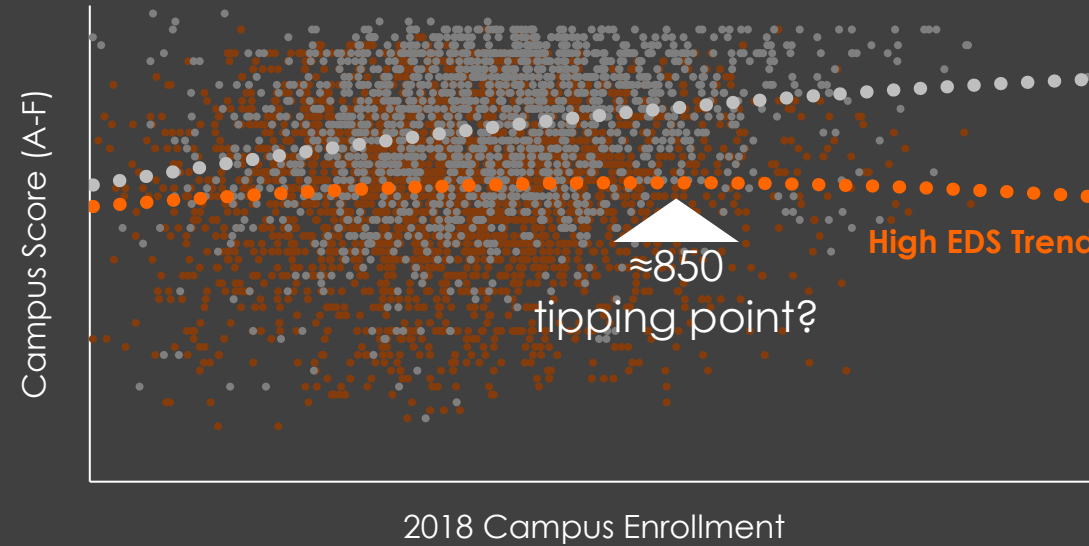
3 SPACE ADEQUACY & SCALE



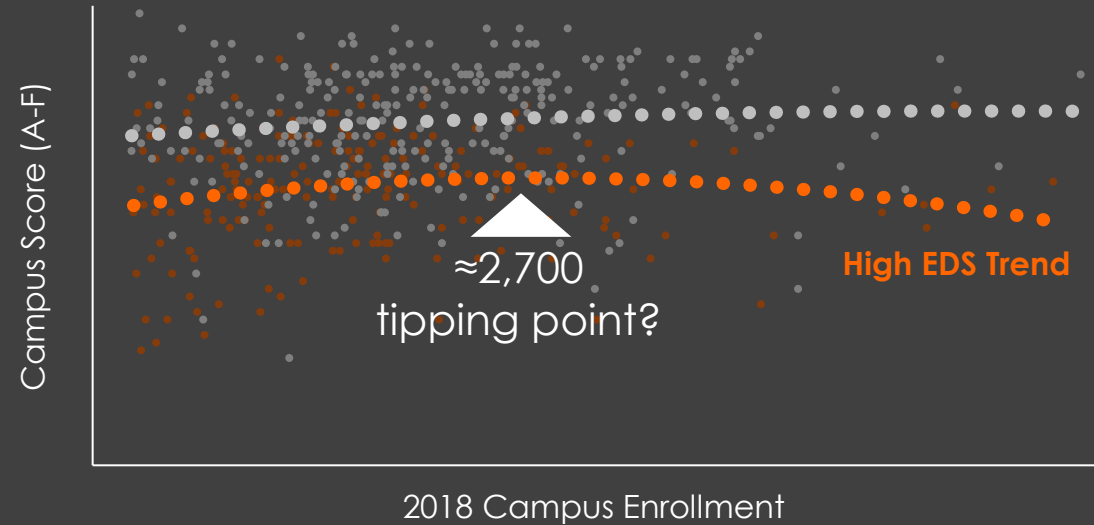
More so
for EDS

4 CAMPUS SIZE

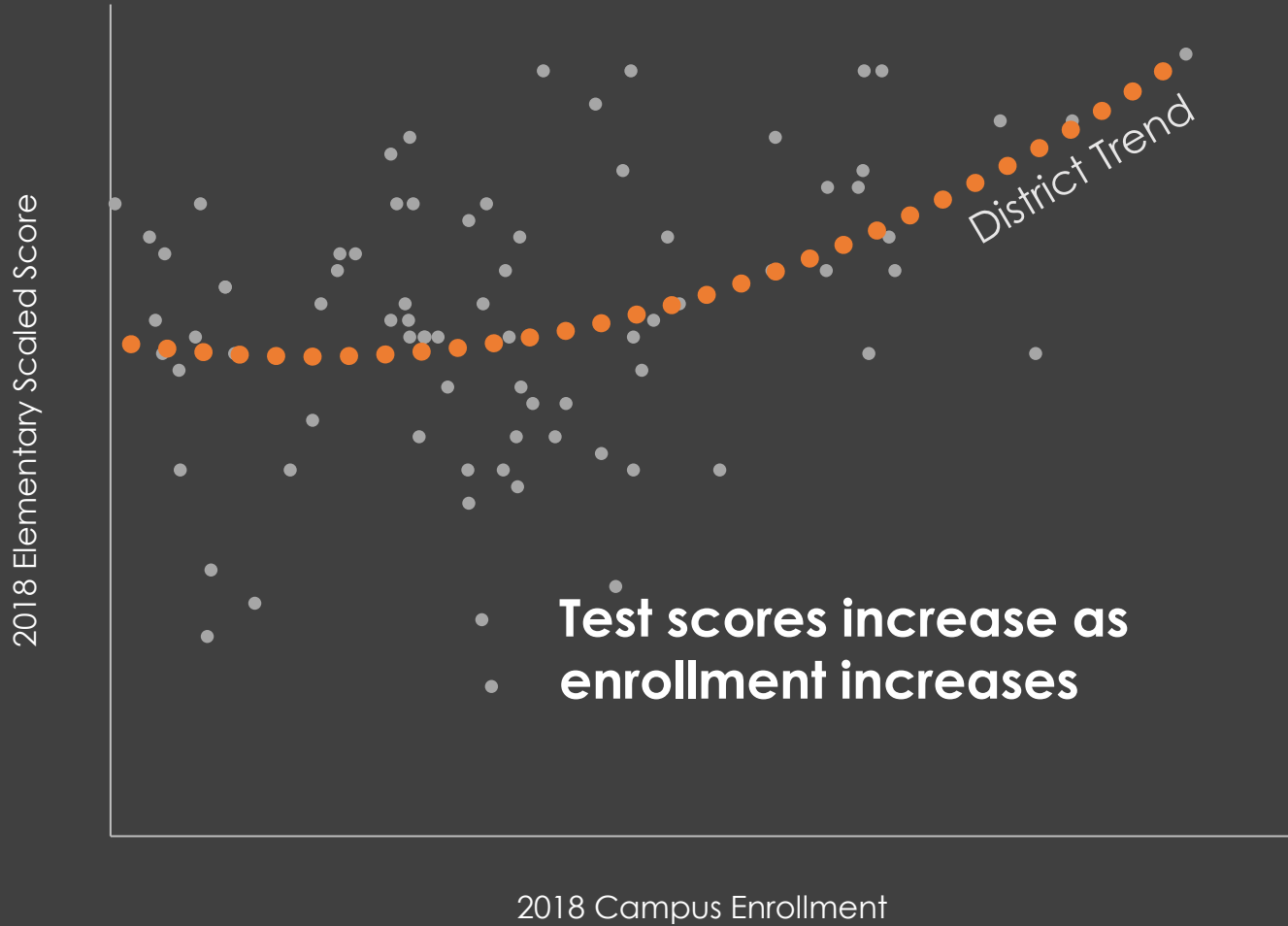
Elementary Schools



High Schools



THE COST OF SMALL CAMPUSES



move from 550 to 750 student campuses



\$451M

Facility cost of ownership



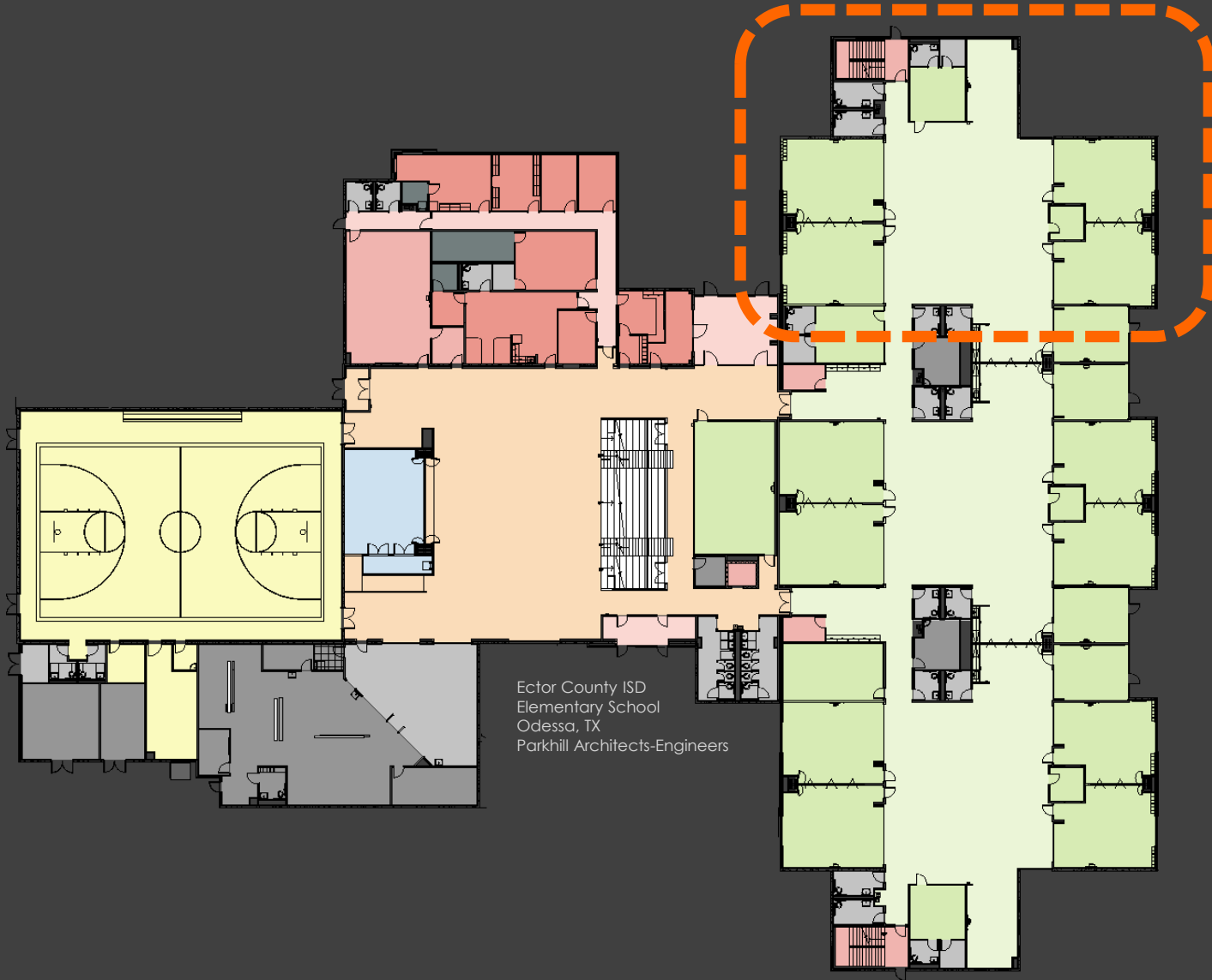
162

Annual teacher salary equivalents



\$8.2M

Annual M&O



Ector County ISD
Elementary School
Odessa, TX
Parkhill Architects-Engineers

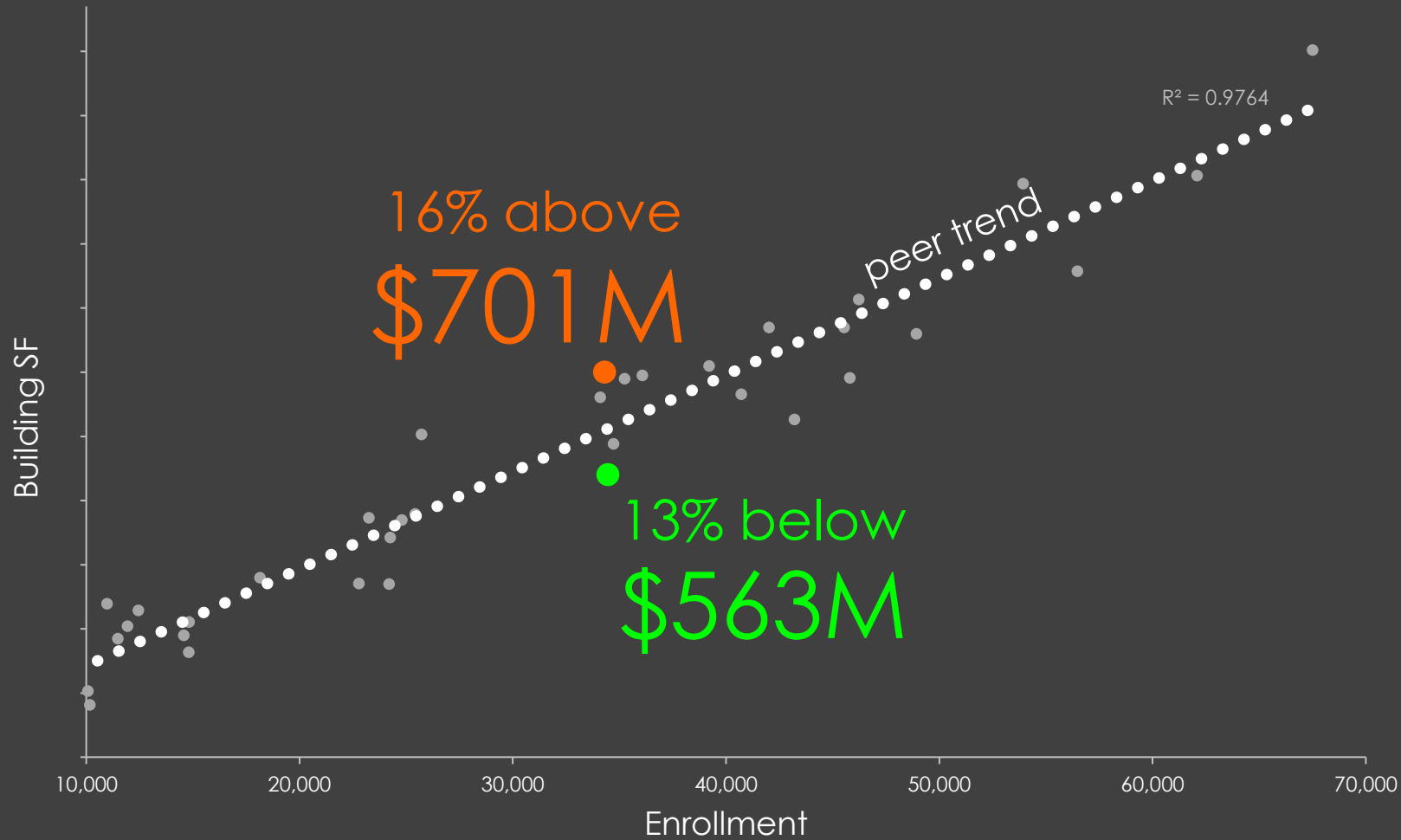
Sweet Spot?

Small learning communities

In larger campuses

5

PRESERVE FUNDS BY MANAGING COST OF OWNERSHIP



Districts Delta



\$1.2B

Facility cost of ownership



168

Annual teacher salary equivalents



\$8.4M

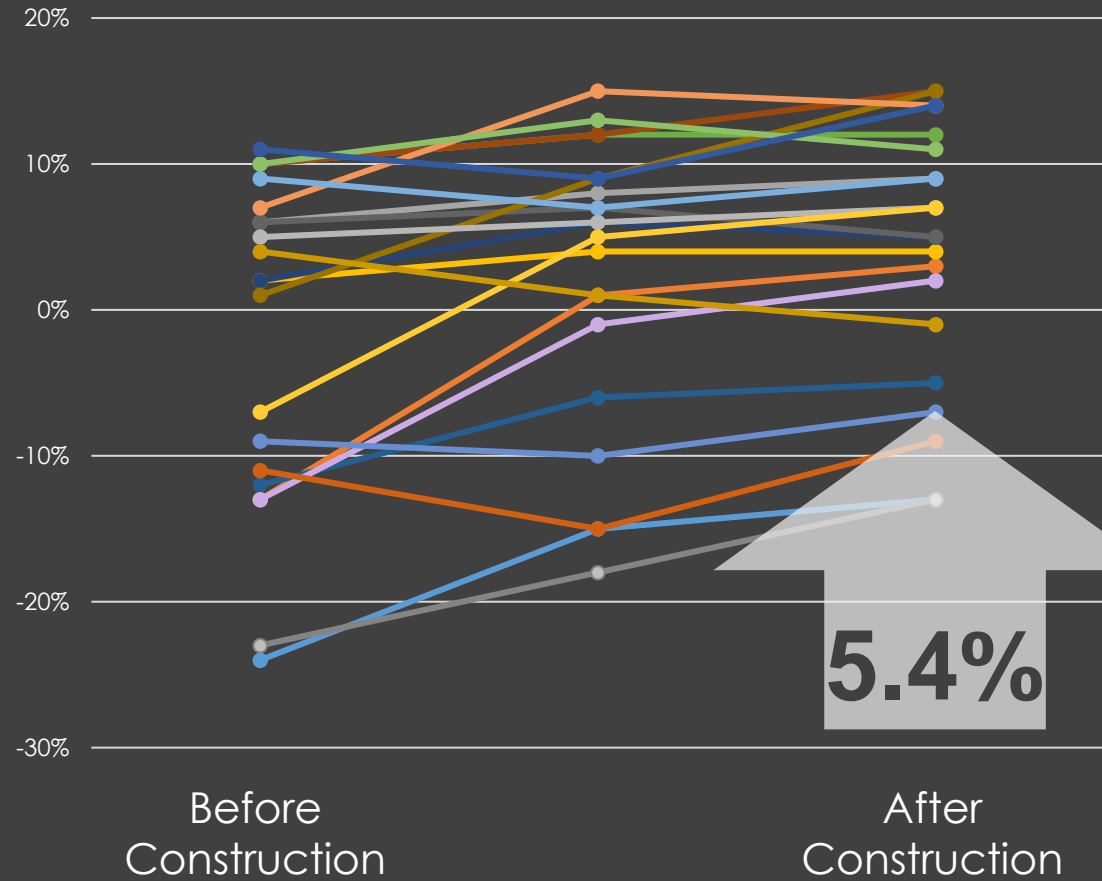
Annual M&O



INDOOR ENVIRONMENT QUALITY

More so
for EDS

Campus Test Scores vs State Average



7 EARLY EDUCATION FACILITIES

More so
for EDS





EXTRA-CURRICULAR FACILITIES

More so
for EDS



Higher Attendance



Higher GPA



PARENT & COMMUNITY CONNECTION SPACE



Designed for Public Interface

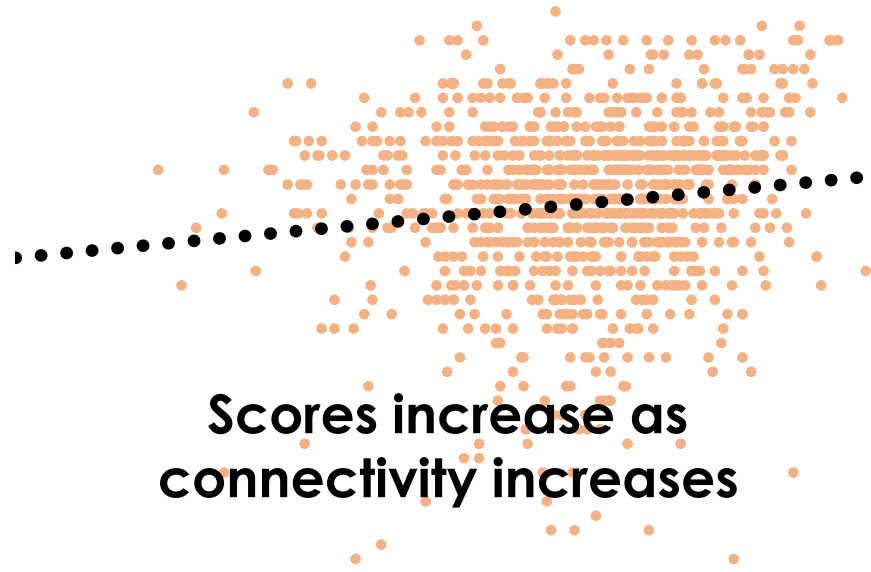


Dipert Career + Technical Center
Arlington ISD
VLK Architects

10 INTERNET CONNECTIVITY

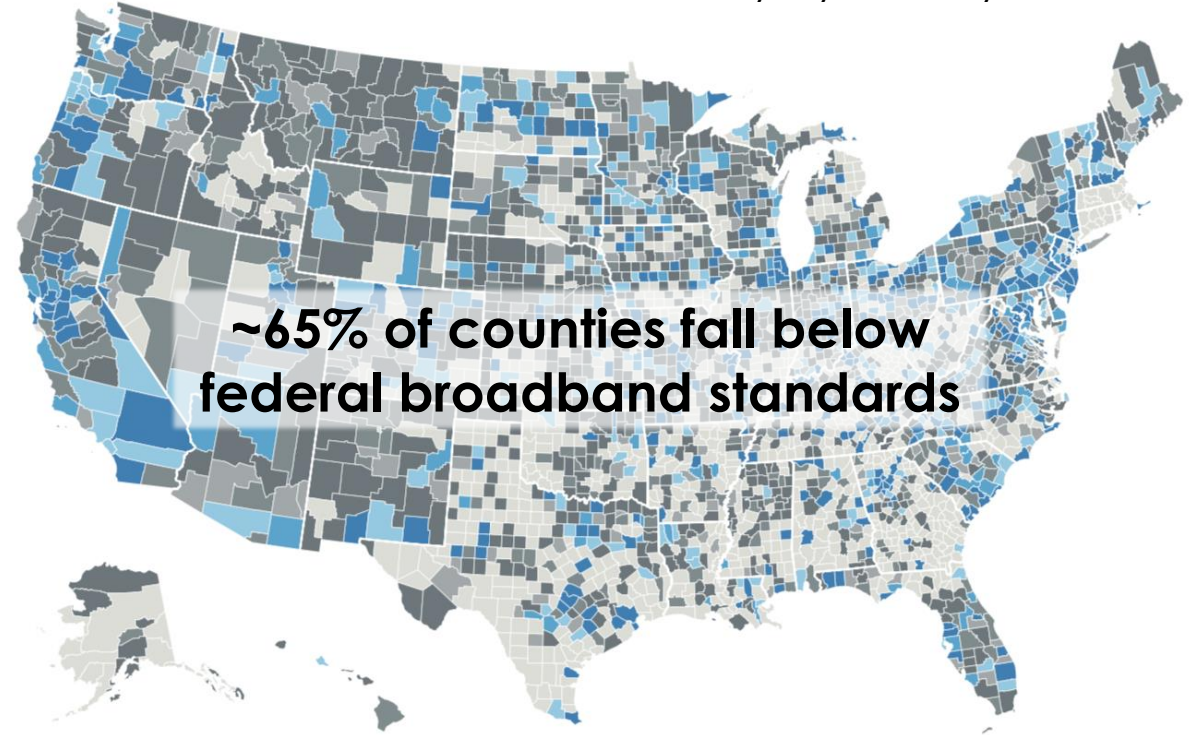
In Texas

2019 District Scores

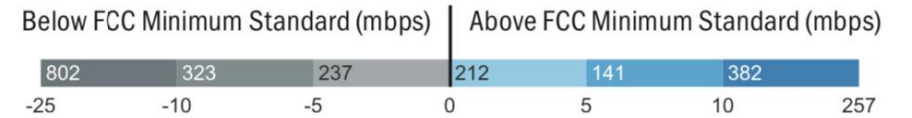


Household Connectivity

Broadband Connectivity by County



~65% of counties fall below federal broadband standards



PLANNING PRACTICES

- 1 Nutrition & shelter
- 2 Safety & security
- 3 Space adequacy & scale
- 4 Campus size
- 5 Preserve operating funds
- 6 Indoor environment quality
- 7 Early childhood facilities
- 8 Extra-curricular facilities
- 9 School-community connection
- 10 Internet connectivity



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