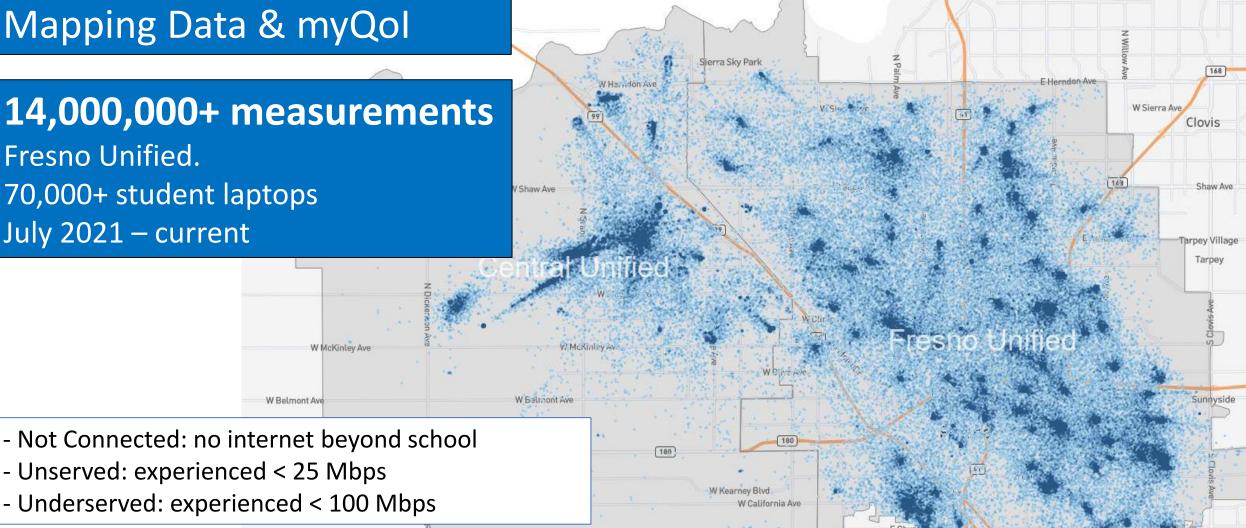


14,000,000+ measurements Fresno Unified. 70,000+ student laptops July 2021 – current

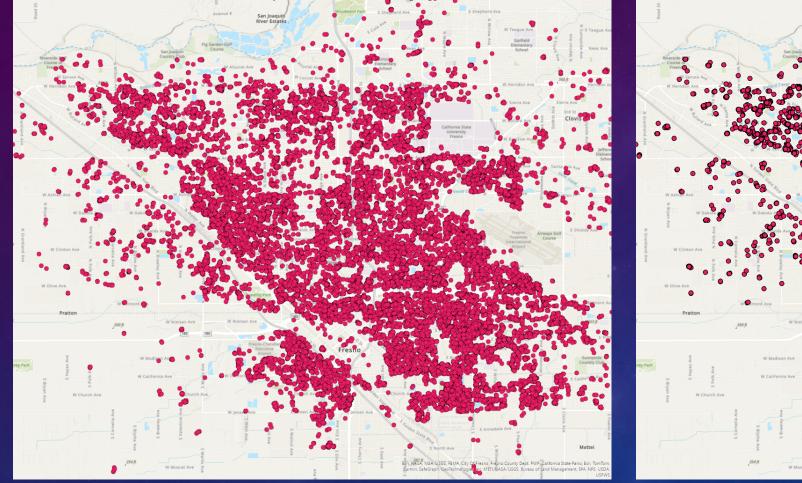


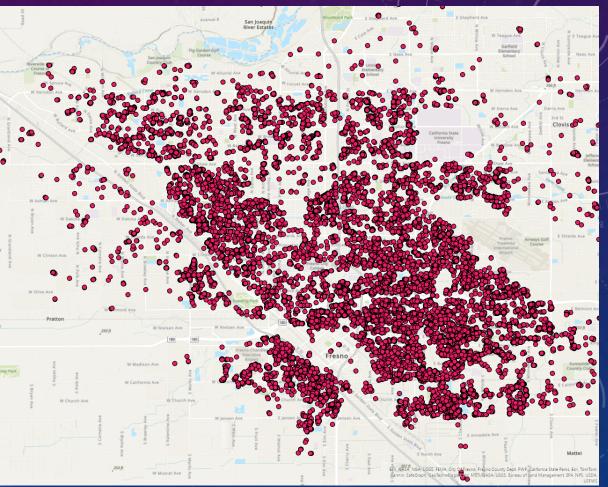
myQoI 1) installed on district-issued laptops, 2) measures location, speeds, carrier, 3) at 9:30 am, 3:00 pm and 7:00 pm. For underserved and unserved, analytics counts students that experienced low quality for more than 20% of the time.

Windows myQoI: https://github.com/FresnoUnified/myQoI Chromebook myQoI: https://github.com/future-state/myQol Functional Requirements github.com/FresnoUnified/myQoI/blob/master/Draft%20-%20myQOI%20Functional%20Requirements.pdf

Fresno Unified myQol Unserved

MyQol Unserved on Comcast



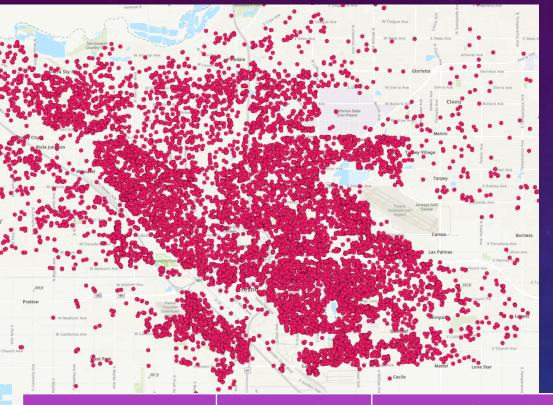


Fresno Unified myQol Underserved

myQol Underserved on Comcast

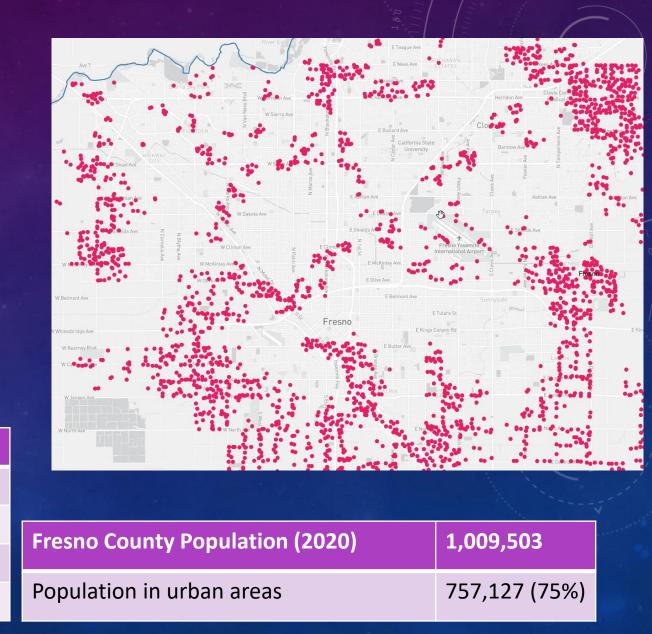


Fresno County MyQol unserved locations

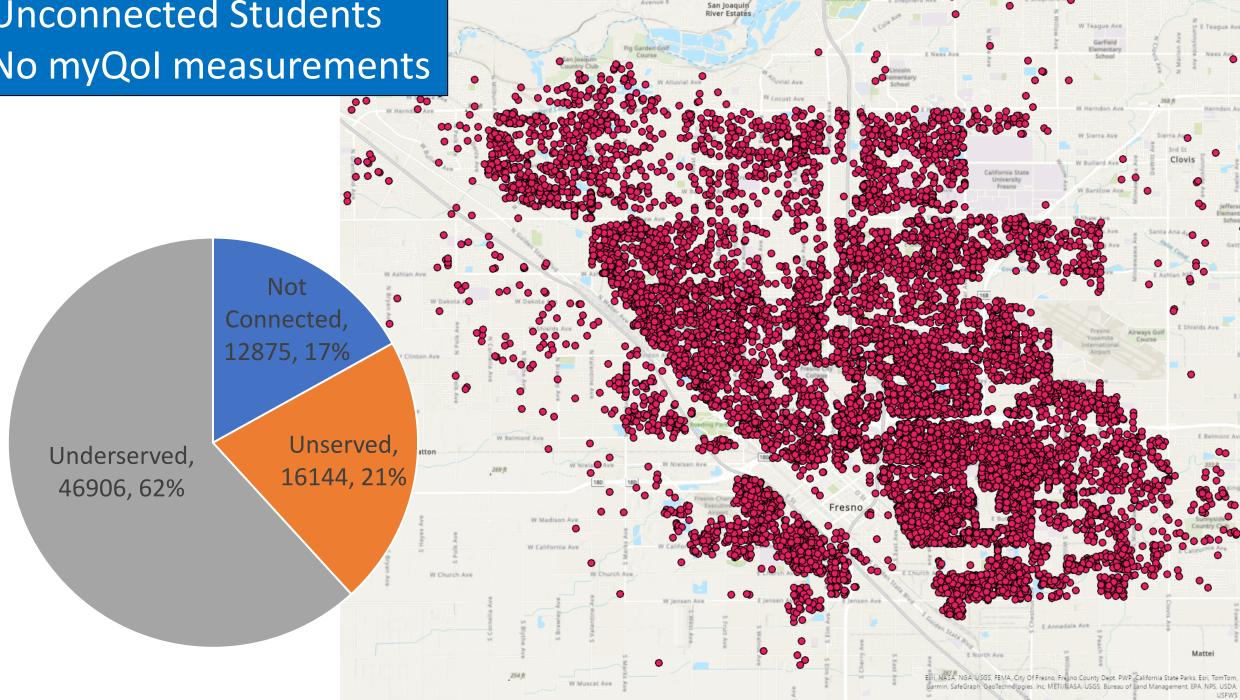


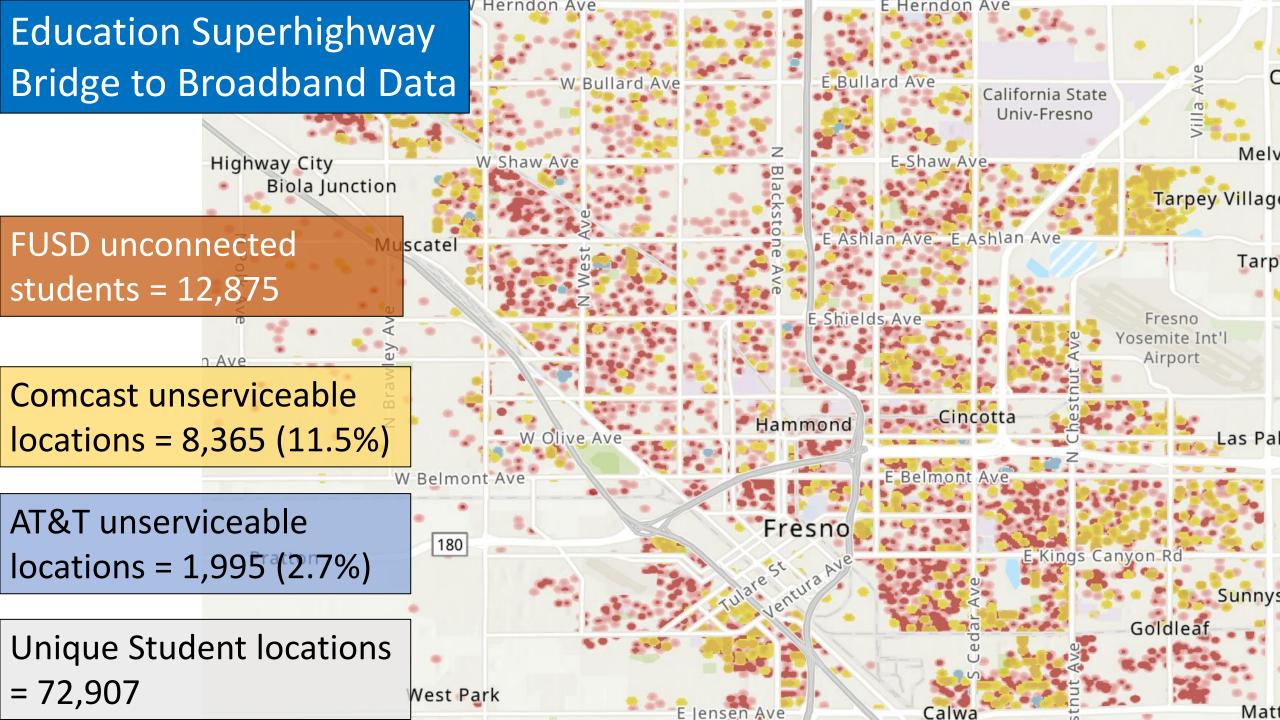
Data Source	Unserved	Unserved Residents
CPUC 2022	3%	9300
Census 2020	17%	174,000
MyQoI 2023	27%	265,820
Microsoft 2020	47.8%	470,601

CPUC unserved locations (from FFA map)



Unconnected Students No myQol measurements





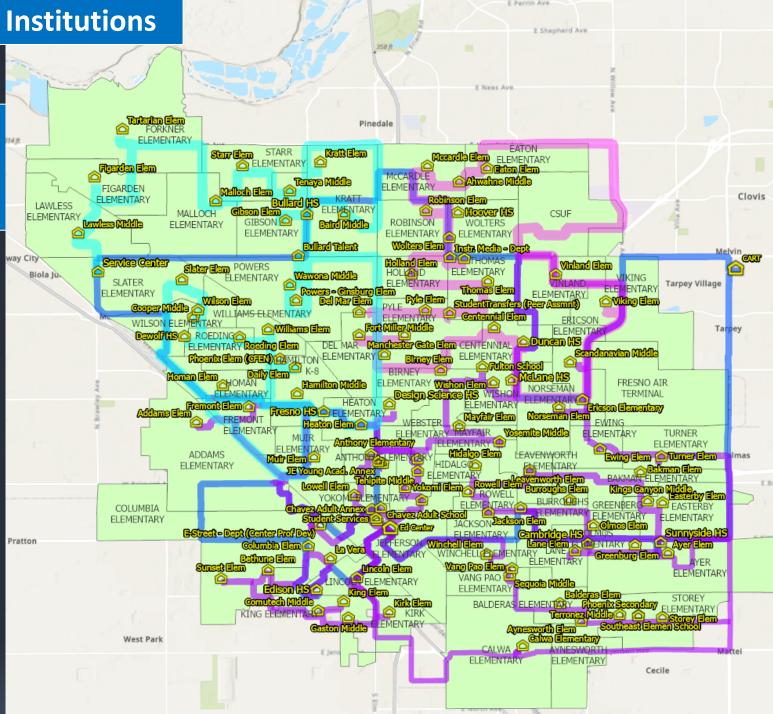
To and Through Community Anchor Institutions

Improving former fiber desert Fresno Unified (connects 114 sites) VAST Networks

Images shows Fresno Unified School District Leased Fiber Network

- 20x to 100x speeds of 2019
- \$40M savings over 20 years
- Increase uptime (resilient rings)

Bid difficulties with incumbent carriers required a *proforma contract* and airtight bid to ensure competitive bid for leased fiber

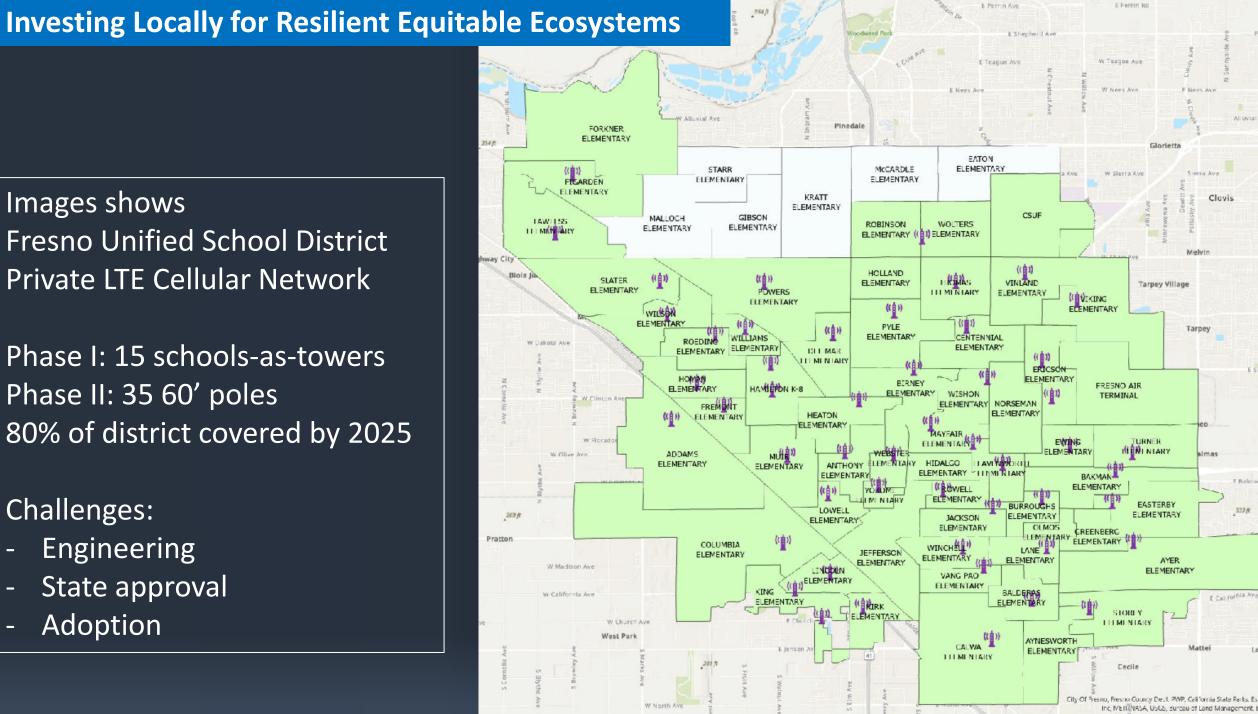


Images shows **Fresno Unified School District Private LTE Cellular Network**

Phase I: 15 schools-as-towers Phase II: 35 60' poles 80% of district covered by 2025

Challenges:

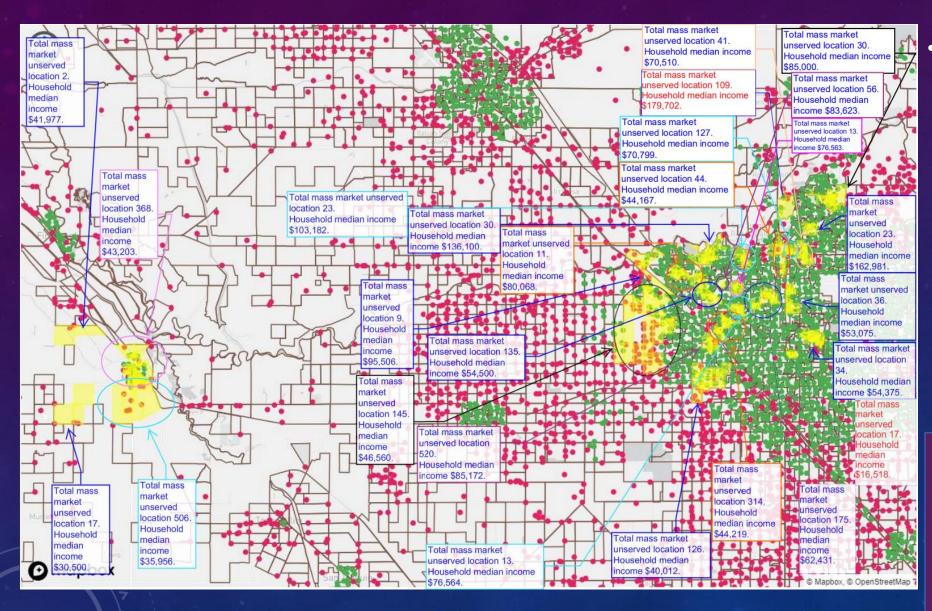
- Engineering
- State approval
- Adoption -



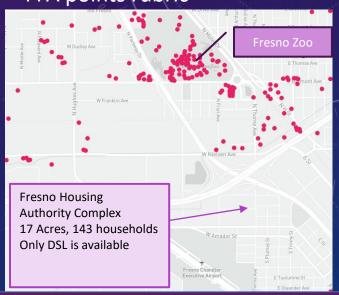


- CONVENED IN SUMMER 2021
- CROSS-SECTOR COLLABORATIVE WORKING WITH AND FOR DIGITALLY UNDERSERVED
- MEMBERS COME FROM ~30 ANCHOR INSTITUTIONS AND CBOS
- VOLUNTEER ORGANIZATION -- MOST WORKING "OFF THE SIDE OF MEMBER'S DESKS"
- FORMALIZED AS A 501C3 NON-PROFIT IN SUMMER 2023
- EXPANDING TO REPRESENT FRESNO, MADERA, KINGS, AND TULARE COUNTIES
- •⁰ JOINED WITH CADE IN 2024

FFA Application: AT&T Fresno 1C



- Very large project area
 - Significant area overlap between applications Micro-projects blend areas of poverty with areas of affluence, effectively gaming the FFA points rubric



'unserved' area included in project is Fresno Zoo's Giraffe feeding area. Residents directly adjacent to this unneeded project are shown as served, but are unserved, are not included in project