

# SCHOOLS/LIBRARIES SOLVING THE HOMEWORK GAP WITH WIRELESS

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## Examples:

- Boulder Valley School District, CO
- Murray City School District, UT
- East Moline School District, IL
- Jackson School District, MS
- Digital C, Cleveland, OH



# BOULDER VALLEY SCHOOL DISTRICT, CO

- Pilot started in 2016 with 4 school buildings.
- Partnered with WISP – LiveWire.
- BVSD offered free access to school rooftops to place antennas.
- LiveWire provides free service to households on the FRSL program.
- Each tower has 5 mile radius.
- Extended to 48 school buildings in 2020.
- CBRS band



# MURRAY CITY SCHOOL DISTRICT, UT

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- First School Private LTE Network (2021)
- Extends service from school campuses out to the community.
- No cost to households.
- Connects through the filtered school Internet connection (same as in classrooms).
- School buildings and district offices are the anchors for antennas.
- CBRS spectrum



# EAST MOLINE SCHOOL DISTRICT, IL

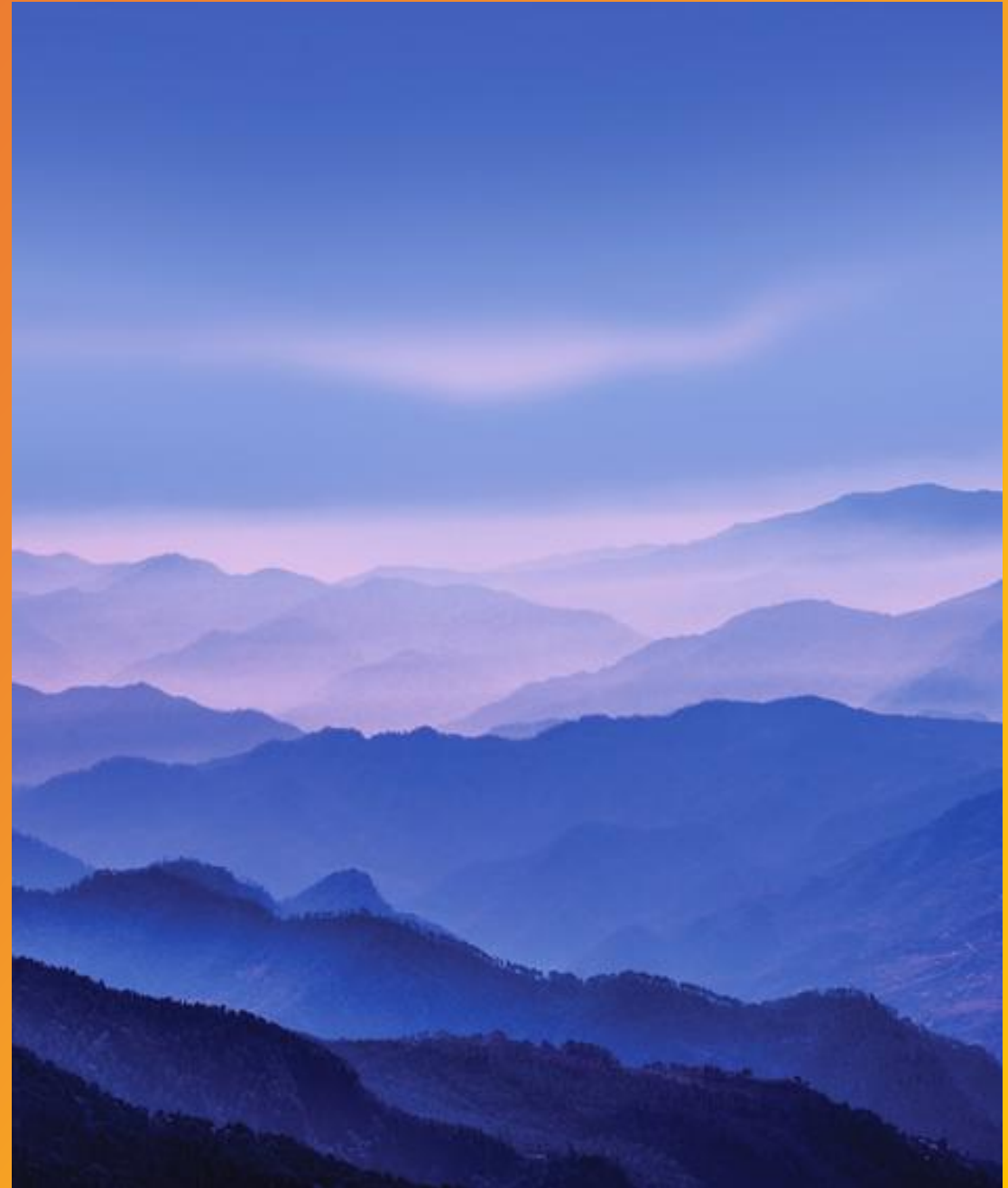
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- Hot spot signal strength did not work well in their community,
- Also difficult to track inventory of hot spot devices.
- Instead decided to extend its Wifi network service off-campus.
- Purchased access points and deployed them on streetlights.
- Allows school greater control over network operations
- Costs about \$14/student per year (compared to a hot spot subscription of \$30/student per month)
- Partnered with SmartWave Technologies



# JACKSON SCHOOL DISTRICT, MS

- After pandemic, Jackson unexpectedly moved to virtual learning because of severe weather and water issues.
- Affordability issues and limited coverage from cellular providers.
- AlefEdge deployed a new 4G/5G network, connecting hundreds of low-income students at no cost to consumers.
- Alef's solution resulted in a 75% reduction in costs compared to a comparable Wi-Fi solution.
- Carrier agnostic



# DIGITALC CLEVELAND, OH

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- Non-profit offering fixed wireless internet (called Canopy).
- Charges \$18/mo. For 100/100 Mbps minimum speeds (free installation)
- Partners with Tarana Wireless (works through trees).
- Plans to cover entire city with 120 towers.
- Works with Cleveland Metropolitan School District



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