

**WIRELESS
COMMUNICATIONS
FACILITY
PZ-25-00071
PZ-25-00072**

LARAMIE COUNTY PLANNING COMMISS

Thursday, December 11th, 2025

PRESENTATION ROADMAP

1. Overview of the Site and the Project
2. Site Plan & Elevations
3. RF Justification (“*Why here?*”)
4. Alternative Sites Ruled Out
5. Federal Telecommunications Act of 1996
6. Conclusion

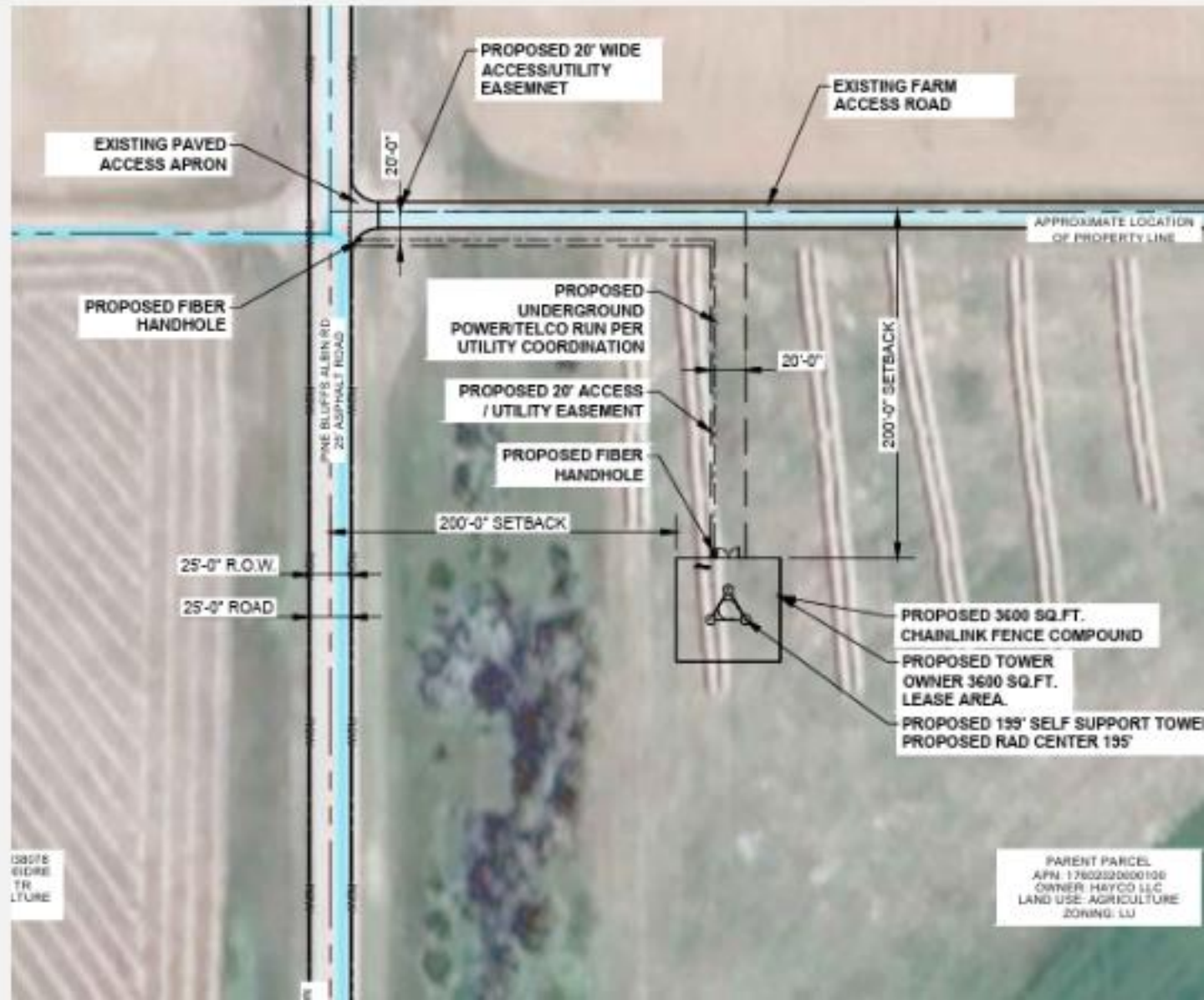
FACTS AT A GLANCE

- 2817 State Hwy 215, Albin, WY
- Located in Laramie County
- Zoned A-1 “Agricultural”
- Surrounding parcels also Agricultural
- Proposing a 199’ Wireless Communications Facility (tower”)
- 60’ x 60’ enclosed area, fenced and gated

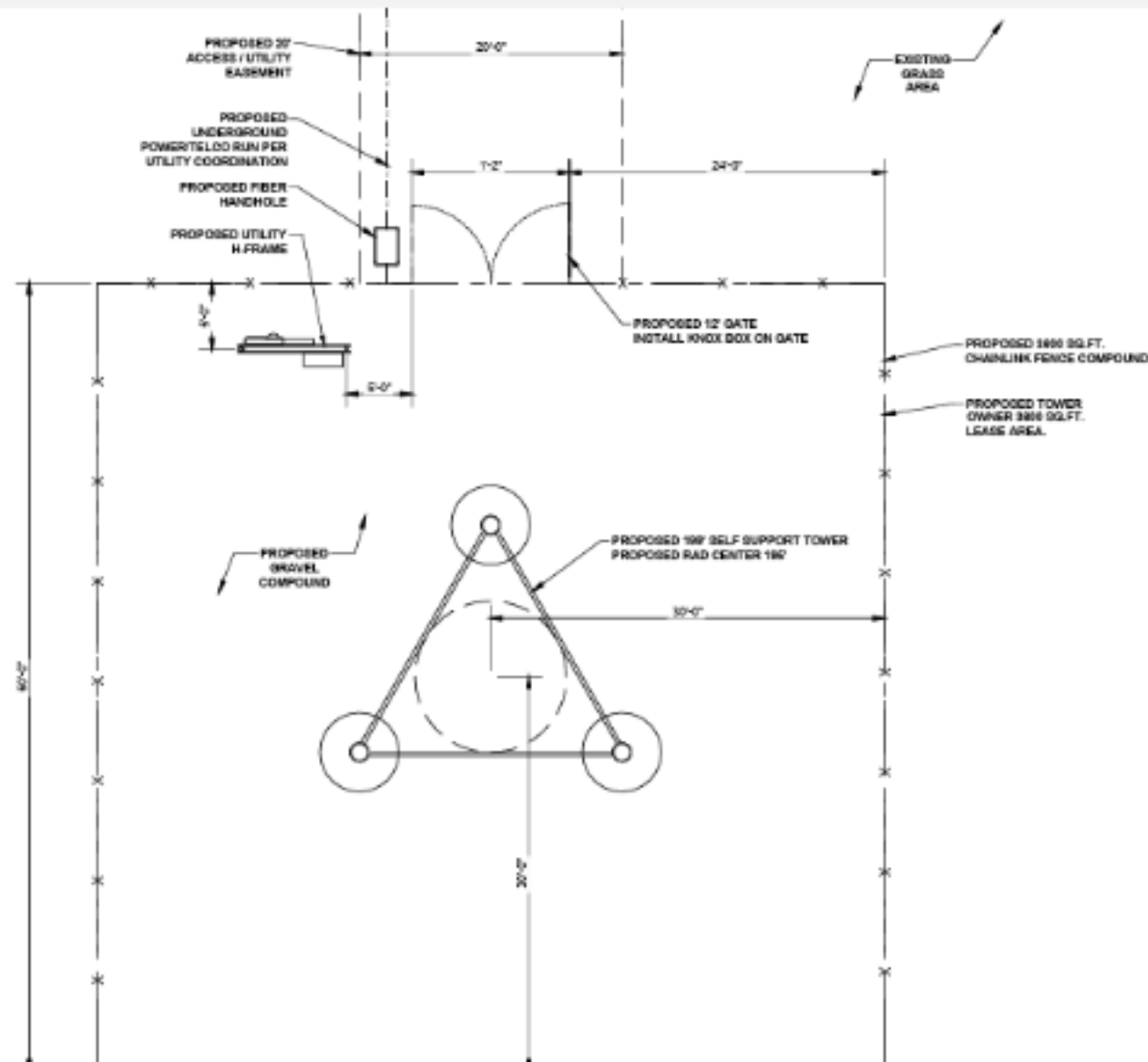
SUBJECT PROPERTY & SITE:



SITE PLAN - OVERVIEW



SITE PLAN – DETAIL 'A'



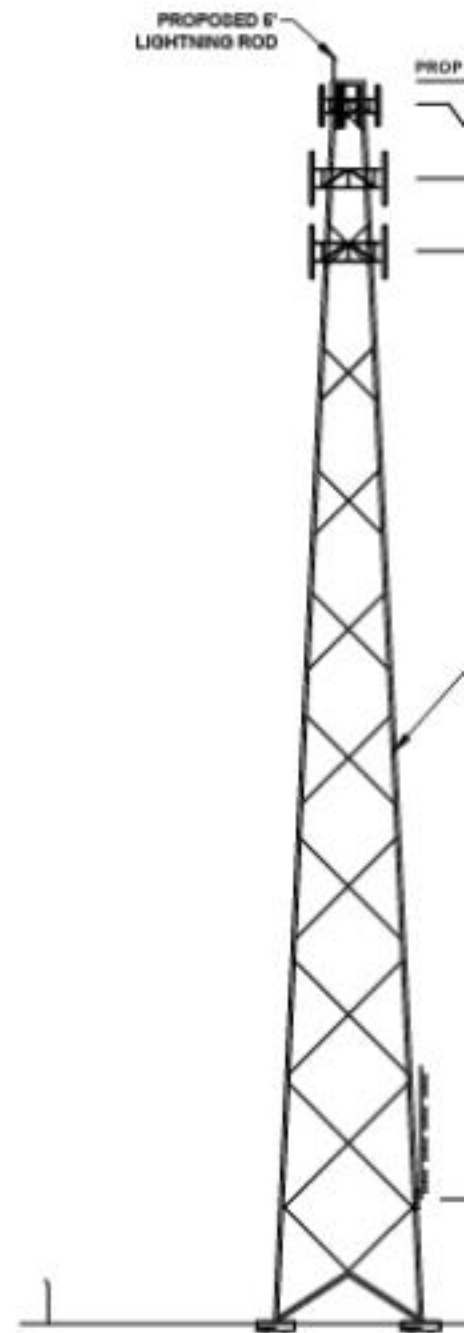
WIRELESS COMMUNICATIONS FACILITY

199' tower

3 antenna locations

60' x 60' enclosed area

6' fence



RF JUSTIFICATION

Why at this location?

- Lack of coverage in Albin and surrounding area
- Low throughput per user in the area due to the ne sites being overloaded
- Significant amount of increased network use in th and rural areas of Wyoming
- FCC promoting network build-outs in relatively low population density areas

COVERAGE OBJECTIVES

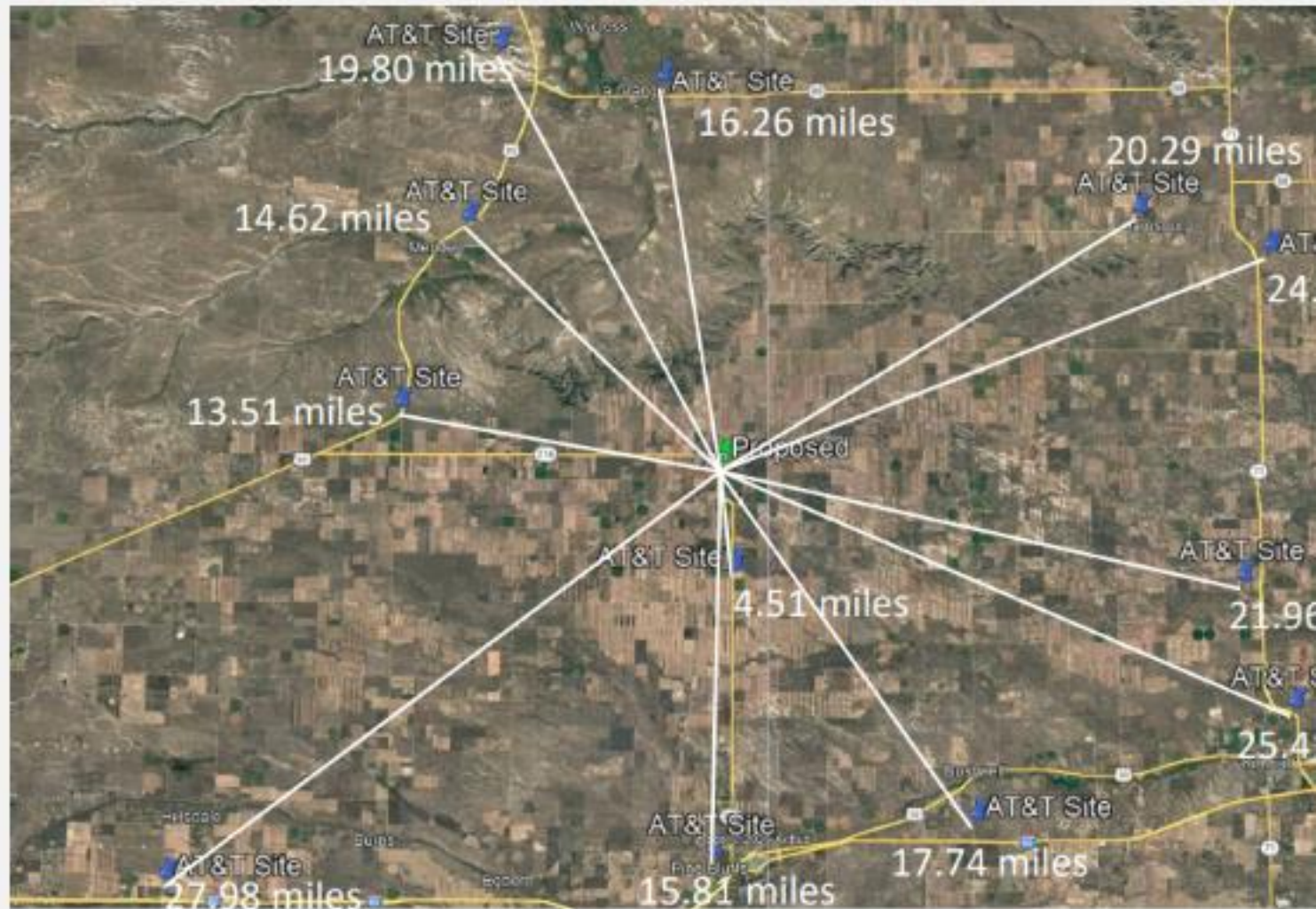
- Capacity

- Provide additional bandwidth for customers in the area surrounding the proposed site
- Provide better throughput for *indoor* users in the area
- Offload sectors of surrounding sites providing coverage to the area

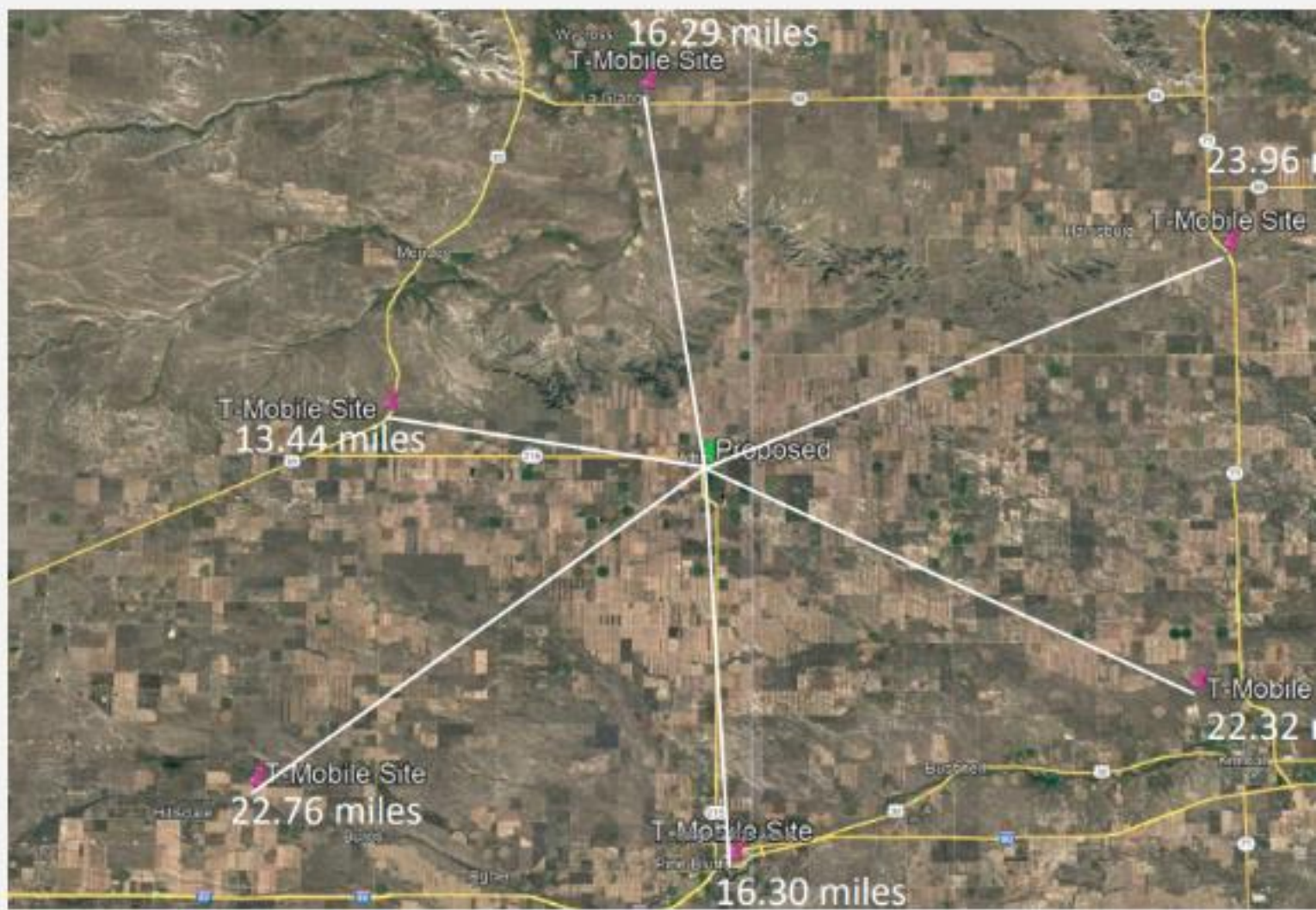
- Coverage

- Provide additional coverage for the town of Albin, along H-100 feeder roads in the area
- Provide improved *indoor* coverage in existing homes

EXISTING CELL SITES- AT&T



EXISTING CELL SITES- T-MOBILE



EXISTING CELL SITES- VERIZON



RF ANALYSIS – CONCLUSIONS

- All 3 carriers have gaps in coverage as the proposed tower location lies in a “tower void”
- In particular, a gap in reliable *indoor* wireless service exists for all 3 carriers
- The nearest AT&T tower lies over 4 miles away and would not serve to fill the coverage gaps to the north

WHY IS THIS SITE IMPORTANT?

- 96% of Americans own a cellular phone
- 57% of American homes rely exclusively on cell phones
 - **Wyoming:** over 60% have “cut the cord”
- Over 84% of 9-1-1 emergency calls are made on wireless devices

SEARCH AREA CRITERIA

- ☐ **Carrier's search ring** - *Where does the carrier provide service?*
- ☐ **Existing sites** - *Can Verizon co-locate on an existing tower?*
- ☐ **Zoning** - *Is it zoned for a tower? If not, can it be?*
- ☐ **Practical concerns** – *Grade? Power? Existing improvements?*
- ☐ **Willing landowner** – *Can a 60'x60' area be leased?*

ALTERNATIVE SITES CONSIDERED

- No existing towers suitable for co-location
- Other parcels lacked zoning suitability, power/access, or landowner consent
- This location = least intrusive, away from residential parcels, only viable site identified

FEDERAL TELECOM ACT OF 1996

No State or local government or instrumentality thereof shall regulate the placement, construction, and modification of personal wireless service facilities on the basis of **environmental effects of radio frequency emissions** to the extent that such facilities comply with the Commission's regulations concerning such emissions.

47 U.S. Code § 332 (c) (7) (B) (iv), emphasizing

This site complies with all FCC
requirements

FEDERAL TELECOM ACT OF 1996

- (i) The regulation of the placement, construction, and modification of personal wireless service facilities by any State or local government or instrumentality thereof
 - 1. shall not prohibit or have the effect of prohibiting the provision of personal wireless services.

47 U.S. Code § 332 (c) (7) (i)

SITE IS NEEDED

A significant gap in wireless service and coverage exists,

and

the proposed site is the least intrusive means of filling that gap.

THANK YOU!

We stand for questions.