

Eastern Cell Tower Proposal | Community Meeting

January 11, 2024

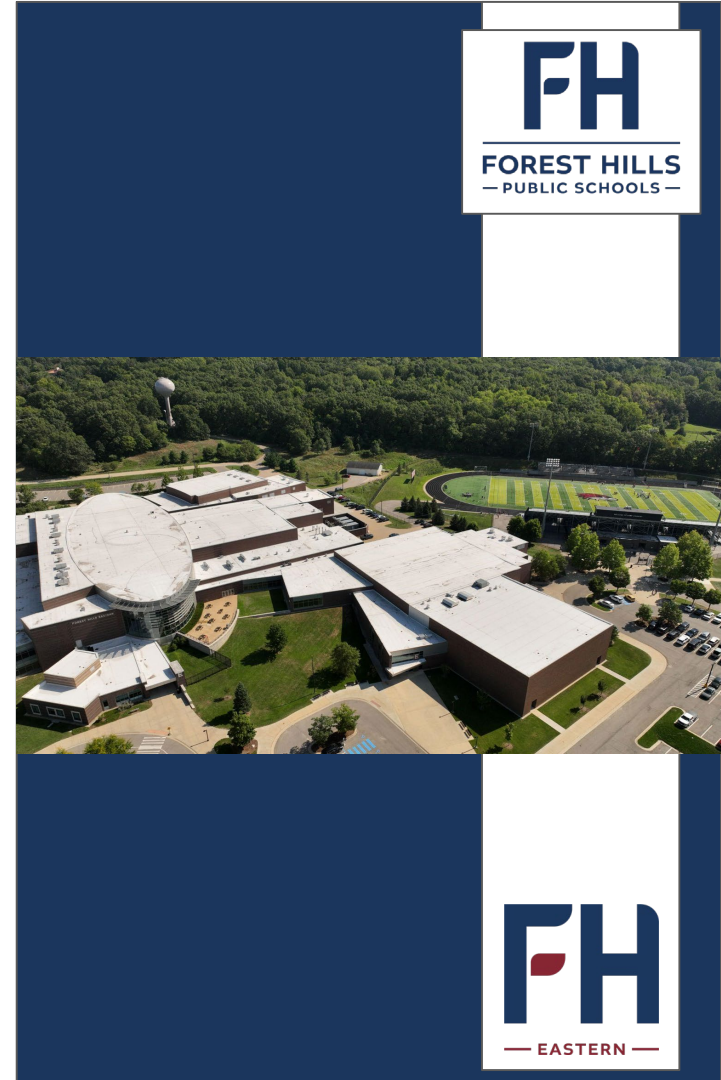


FOREST HILLS
— PUBLIC SCHOOLS —

Background

Security, Safety, and Health

- Safety & Security Audit
- Staff Workaround - WiFi
- Contracted Staff Connection
- Medical Monitoring Apps
- Athletic Events & Afterschool Activities



Background

- **Third Parties**
 - Tower Ventures (TVT)
 - Established in early 1990s
 - Owns over 400 towers and manages another 450 third party rooftops and towers for co-location
 - Responsible for filing all necessary paperwork and seeking approval from any local, state or federal authorities
 - Responsible for construction of the tower
 - Smartlink
 - Established in 2000
 - Partners with carriers such as Verizon Wireless



Lease Information

- Lease agreement is with Tower Ventures
- Major lease terms
 - Option period. TV has 24 months to begin work with a one-year option extension
 - Lease term. Initial is 5 years with option to extend for 5 five-year periods
 - Rent. Monthly rate of \$900 that increases annually by 1%
 - Additional rent. Receive 50% of rent for co-location of other carriers after the first one





Type of Tower

- Monopole
- Base is approx. 6' in diameter and tapers to approx. 3' in diameter toward the top
- No lights for towers under 200' such as this one



Location

- How was the location determined?
 - District requirements
 - Maximize cell reception
 - Minimize visibility
 - Campus walkthrough
 - District staff, TVT, Smartlink, Surveyor



Location (from above, image 1 of 3)



Location (from Pettis, image 2 of 3)



Location (from Knapp looking toward Pettis, image 3 of 3)

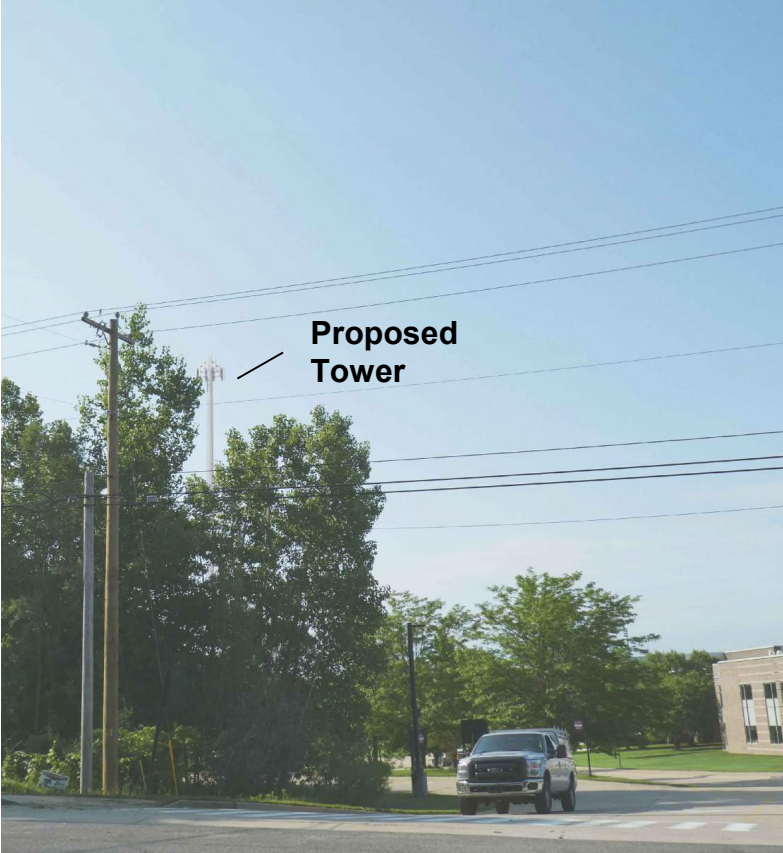


Location

- Viewing simulations
 - Visual simulations from the following streets:
 - Knapp Street NE
 - Pettis Avenue NE
 - 2 Mile Road NE
 - Egypt Valley Avenue NE



Location - Knapp Street Entrance



Proposed
Tower



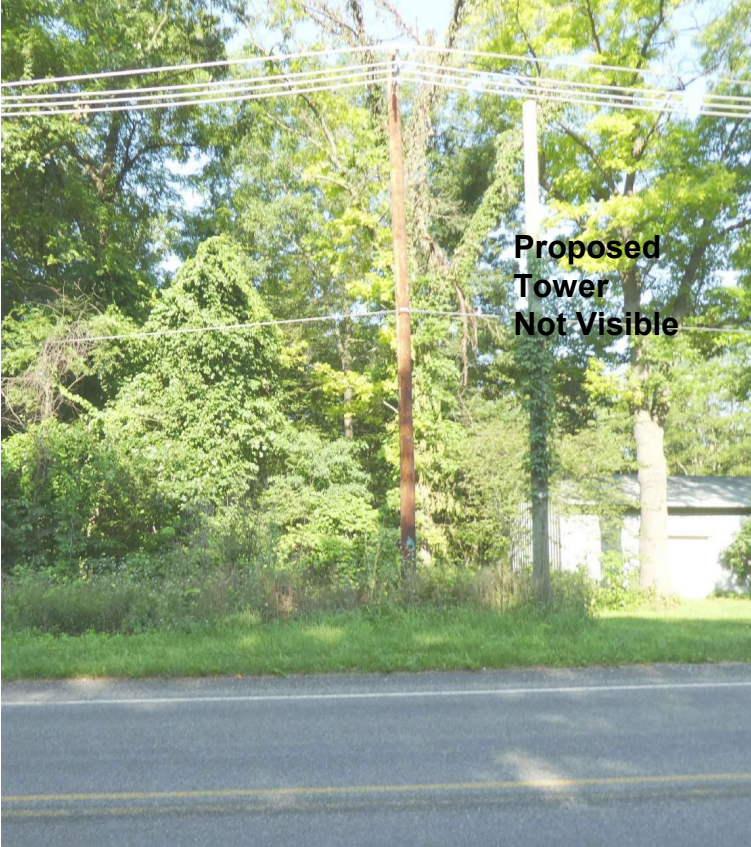
Location - Pettis Avenue Entrance



Location - Two Mile Road



Location - Egypt Valley Avenue



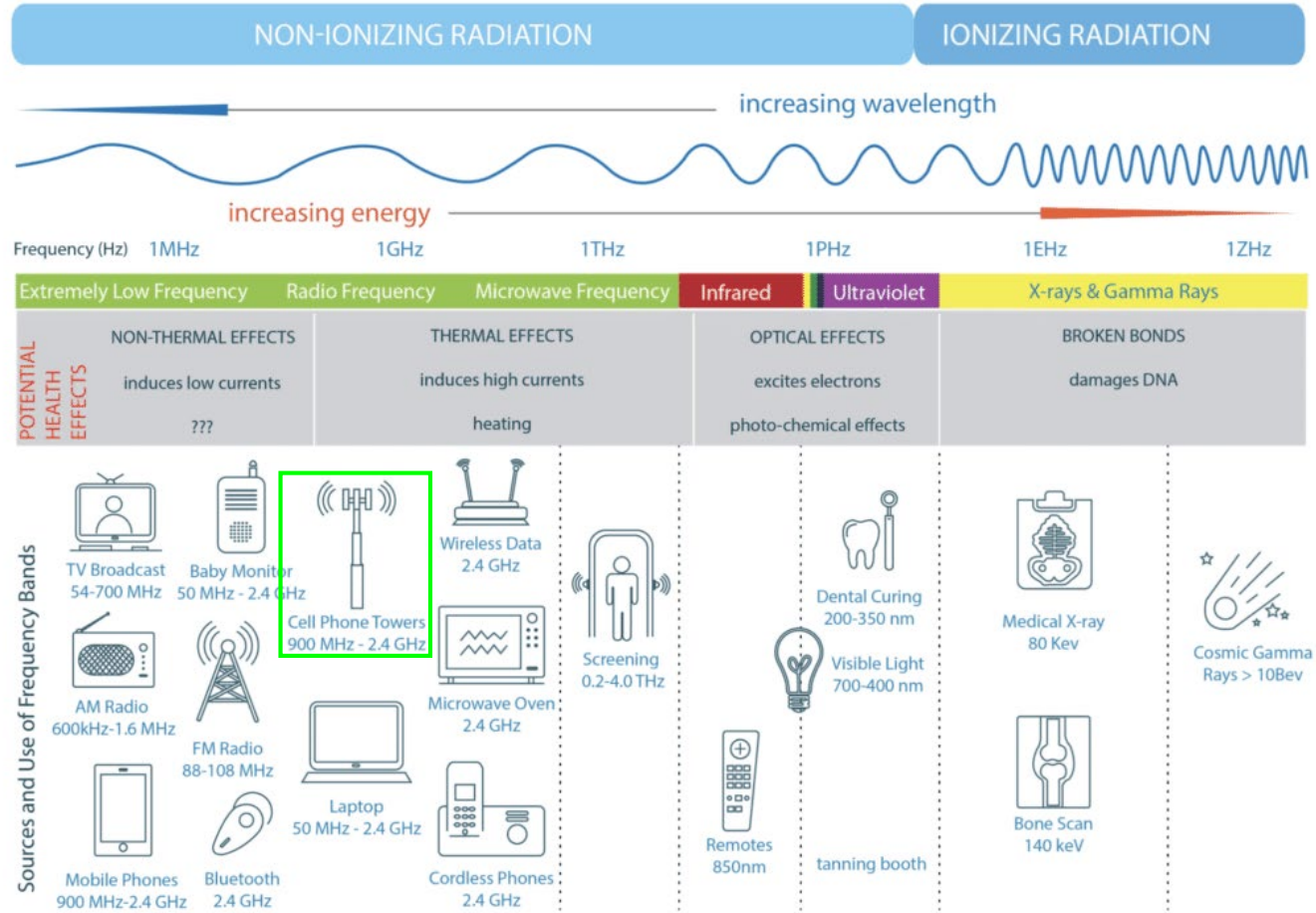
Cell Tower Safety

- Regulated by Federal Communications Commission (FCC)
 - FCC standards are well below the threshold for any known potential health effects from exposure to radio frequency (RF) waves
 - RF emissions from antennas used for cellular and PCS transmissions result in exposure levels on the ground that are typically thousands of times below safety limits
 - Electromagnetic radiation
 - Ionizing: x-ray machines, radioactive materials
 - Non-ionizing: cell towers, FM radio



Cell Tower Safety

ELECTROMAGNETIC RADIATION SPECTRUM



What do the Experts Say?

- *The current limit on radio frequency (RF) energy set by the Federal Communications Commission remains acceptable for protecting the public health - FDA*
- *To date, there is no consistent or credible scientific evidence of health problems caused by the exposure to radio frequency energy emitted by cell phones - FDA*
- *To date, and after much research performed, no adverse health effect has been causally linked with exposure to wireless technologies - WHO*
- *No consistent evidence for an association between any source of non-ionizing EMF and cancer has been found - NIH*
- *At this time, there's no strong evidence that exposure to RF waves from cell phone towers causes any noticeable health effects. - ACS*
- *More*



Cell Tower Process

1. Board of Education authorizes Interim Superintendent/Assistant Superintendent for Finance & Operations to sign the Lease Agreement with Tower Ventures
2. Tower Ventures (TVT) files with federal and local authorities for necessary approvals
3. Ada Township holds a public hearing before their Planning Commission who will consider the special land use request
4. Upon approvals, project will take 9 months to 2 years to complete, depending on any issues that may surface such as supply chain disruptions
5. Initial tower impacts Verizon Wireless customers only
6. Ability to lease space to other carriers such as AT&T and T-Mobile



Next Steps

- **Board Consideration**
 - Regular Board of Education meeting
 - Fine Arts Center
 - January 15, 2024 at 7:00 p.m.



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Questions and Answers