TOWN OF
SOUTHOLD
NEW YORK

Wireless Communications Master Plan

DECEMBER 30 2025
FINAL DRAFT

Prepared by
CityScape
CONSULTANTS, INC.

INTRODUCTION

90% smartphone penetration **in** United States[1]

100 trillion MBs **wireless data** used in 2023[2]

76% Adults live in **wireless only** households[3]

Each year, an estimated 240 million calls are made to 9-1-1 in the United States, with over 80% originating from wireless devices.[4] Smartphones and other wireless devices have become indispensable tools in daily life, offering instant access to the internet, navigation, files, videos, news, and countless applications. Consumers using these devices expect fast and uninterrupted connections for their internet, maps, files, music, and other applications.

Given the prevalence of mobile technology, it is essential for both local responders and residents to understand the availability and coverage of commercial wireless networks within their communities.

The Wireless Communications Master Plan (Plan) has been developed as a resource to efficiently address the need for improved wireless services in the Town of Southold (Town) while preserving its unique character. This Plan includes maps of existing wireless facilities, simulations of current wireless coverage, the identification of areas with gaps in wireless service and potential scenarios for filling in wireless coverage gaps. The conceptual scenarios illustrate what may be needed in the future to support strategic planning and design of future wireless communications infrastructure throughout the Town.

This analysis explores how deficiencies in wireless service impact consumers, businesses, and, most critically, the ability to contact first responders during emergencies.

Wireless definitions of certain technical terms used within the Plan can be found in *Appendix A*.

1 Pew Research Center, Americans' Use of Mobile Technology and Home Broadband (2024)
2 CTIA Annual Survey (2024)
3 Wireless Substitution: Early Release of Estimates from the National Health Interview Survey (July-December 2023)
4 National Emergency Number Association (NENA) www.nena.org/page/911statistics

PROCESS

The Town-Wide Wireless Communications Master Plan for commercial wireless services begins with a comprehensive evaluation of the existing wireless infrastructure within the Town and a one-mile radius beyond its jurisdictional boundary, collectively referred to as the Study Area.

Mapping the existing commercial wireless infrastructure forms the foundation for understanding the current state of wireless deployment throughout the Town. Simulating wireless coverage from existing infrastructure provides a visual representation of areas with little to no service, helping to identify critical coverage gaps.

The analysis of these identified gaps enables a strategic and well-informed approach to improving wireless coverage across the Town. This approach guides the wireless industry in deploying solutions to enhance service reliability for everyday users and emergency responders alike.

The Plan presents conceptual scenarios to effectively address wireless coverage deficiencies and ensure the wireless network is robust enough to meet community demands. Particularly for those requiring access to emergency services.

Field Assessment

WIRELESS INFRASTRUCTURE

According to the Code of Federal Regulations a personal wireless facility means, in part, an antenna facility or a structure that is used for the provision of personal wireless service. This is a system of antennas and ancillary equipment on supporting structures classified either a tower or base station.

- **Towers:** Typically monopole, lattice, or guyed structures specifically designed and constructed to support antennas.
- **Base Stations:** Refers to non-tower structures, such as utility poles, rooftops, water tanks, or other similar fixed structures, that serve as mounting supports for antennas and associated equipment.

Both towers and base stations can be designed in various ways to integrate with their surroundings:

- **Non-concealed:** Structures are fully visible without any attempt to blend in to surrounding area.
- **Semi-concealed:** Structures use paint or design elements to harmonize with the environment.
- **Concealed:** Structures are hidden behind radio frequency-transparent materials, disguising their purpose or mimicking other objects.

These facilities provide wireless communication services for mobile phone calls, text, internet and data connectivity for individual users. Wireless facilities can be installed on private or public property, within street rights-of-way, or on electrical utility easements, depending on the specific needs and community regulations.

Sample types of towers and base stations within the Town's Study Area:

ANTENNA TYPE

Macro Cell Wireless Facilities

Macro cell wireless facilities are typically taller structures designed to provide wide-area coverage and flexibility for service providers. These facilities can cover a radius of up to two miles in densely populated urban areas and up to four miles in suburban or rural locations, assuming minimal terrain or vegetation obstructions. Their height allows for the collocation of multiple service providers on a single structure, supporting various generations of technology (e.g., 4G, LTE, 5G). However, their large size often makes them highly visible, which can raise concerns in certain communities.

Small Cell Wireless Facilities

In contrast to macro cell towers, small cell wireless facilities are shorter, more compact, and designed to provide focused coverage over smaller areas. These facilities are commonly deployed in densely populated zones or along busy roadways to offload traffic from larger cell towers or to address aesthetic concerns in sensitive areas. Small cell facilities have a limited coverage radius, generally spanning a few hundred feet to a few blocks. Antennas are often mounted on existing infrastructure, such as utility poles, streetlights, or building rooftops, but they can also be installed as standalone structures.

Public Safety Wireless Facilities

Public safety wireless facilities are equipped with omnidirectional and, at times, microwave antennas to support communication for police, fire, ambulance, and other state and local public safety agencies. These facilities enable seamless communication within agencies and, when necessary, between different agencies to ensure effective coordination during emergencies.

Examples of Macro Wireless Facilities

Examples of Small Wireless Facilities

*picture courtesy of Raycap

WIRELESS INFRASTRUCTURE ASSESSMENT

The assessment process includes identifying the locations of all towers and base stations within the Study Area and cataloging the type of equipment present at each facility.

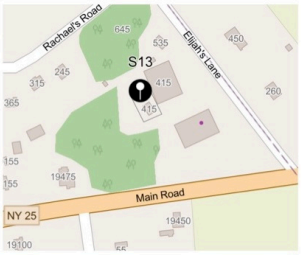
In October 2024, a comprehensive assessment of all known existing wireless facilities servicing the Town was conducted. This assessment serves as the baseline for creating inventory maps, wireless coverage maps, and conducting further analysis.

A total of 19 wireless facility locations were identified within the defined Study Area. Sixteen of these facilities are located within the Town, while three fall outside the Town's zoning jurisdiction. Of the three outside facilities, two are located within the Village of Greenport.

The Wireless Inventory Catalog in Appendix C, provides detailed information for each site, including a photograph of the tower or base station, a location map, ownership of the facility, service providers operating at the site, structure type and height, geographic coordinates (latitude and longitude), and associated tenant and property identifiers. An excerpt from the Catalog is provided below.

Site #: S13	415 Elijahs Ln, Southold
STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	Crown Castle / 843211
FACILITY SITE NAME:	Mattituck / Baxter
SERVICE PROVIDERS:	AT&T, Dish, T-Mobile, Verizon
FCC ASR:	1219856
HEIGHT:	110'
LATITUDE/LONGITUDE:	40.9994649, -72.511223
SCTM #:	1000-108.4-11.3
ZONING:	LB
NOTES:	NYNYNY0228 (AT&T)

TOWN OF SOUTHOLD NEW YORK



WIRELESS INVENTORY

The following *Table 1* summarizes the wireless inventory throughout the Town by category.

TOWN OF SOUTHOLD		
19 TOTAL SITES	**IN**	**OUT**
STRUCTURE TYPE		
Towers	14*	2
Base Stations	2	1
ANTENNA TYPE		
Macro Wireless	9	0
Small Wireless	0	0
Public Safety/Macro	7*	3
LOCATION		
Private Property	11	2
Public Property	5*	1
DESIGN TYPE		
Concealed	9*	0
Semi-Concealed	0	1
Non-Concealed	7	2

Table 1: Wireless Inventory

*Site S12 in this category is proposed and under review

The wireless inventory is categorized and illustrated on the following maps in *Figures 1 - 4.*

WIRELESS INFRASTRUCTURE MAPS

Structure Type

The maps in *Figures 1 and 2* display the inventory of wireless infrastructure within the Study Area, categorizing by Structure Type:

● Tower
◯ Base station

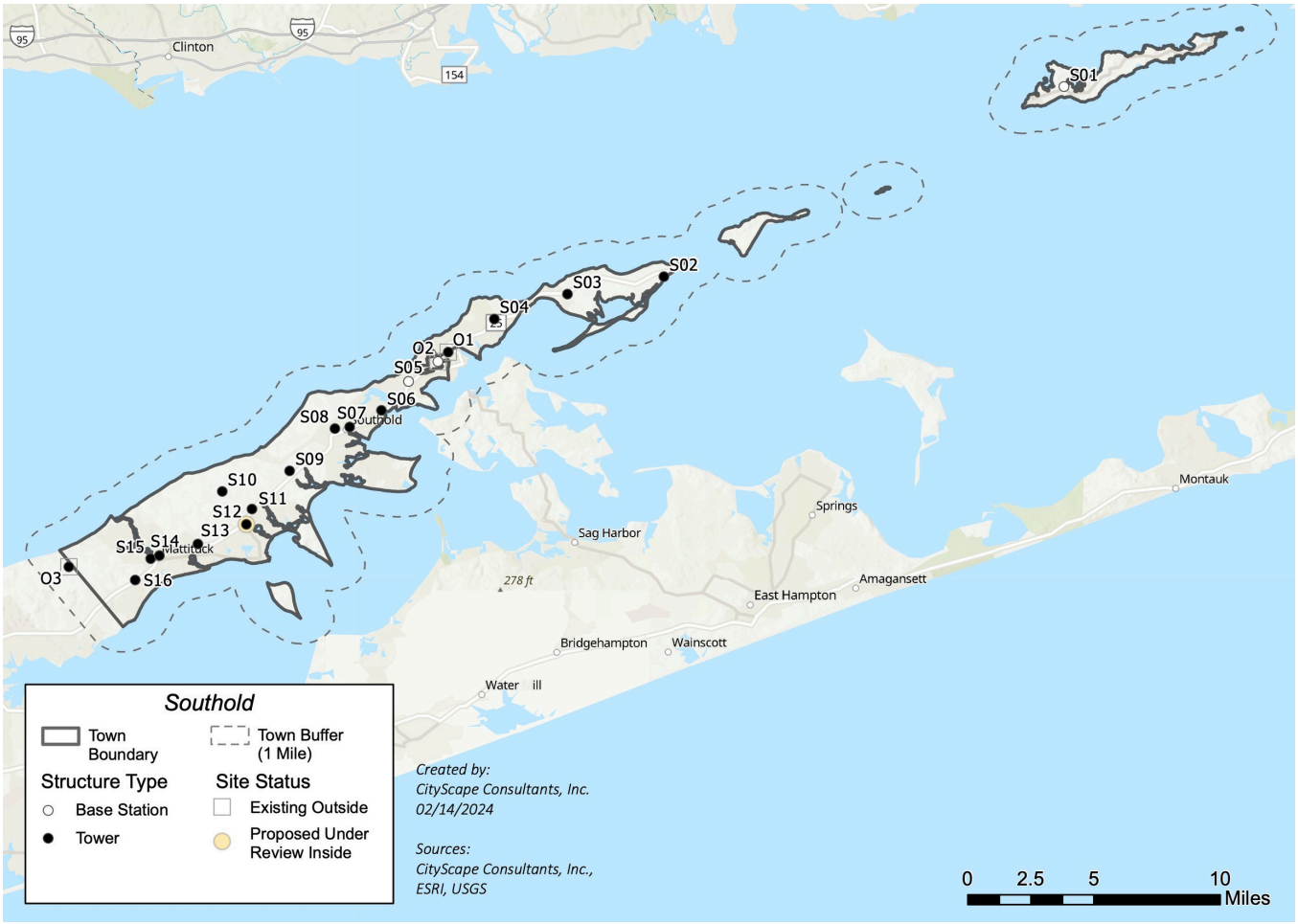


Figure 1: Map of Inventory by Structure Type

For the exact site locations please refer to Appendix C

Structure Type Continued

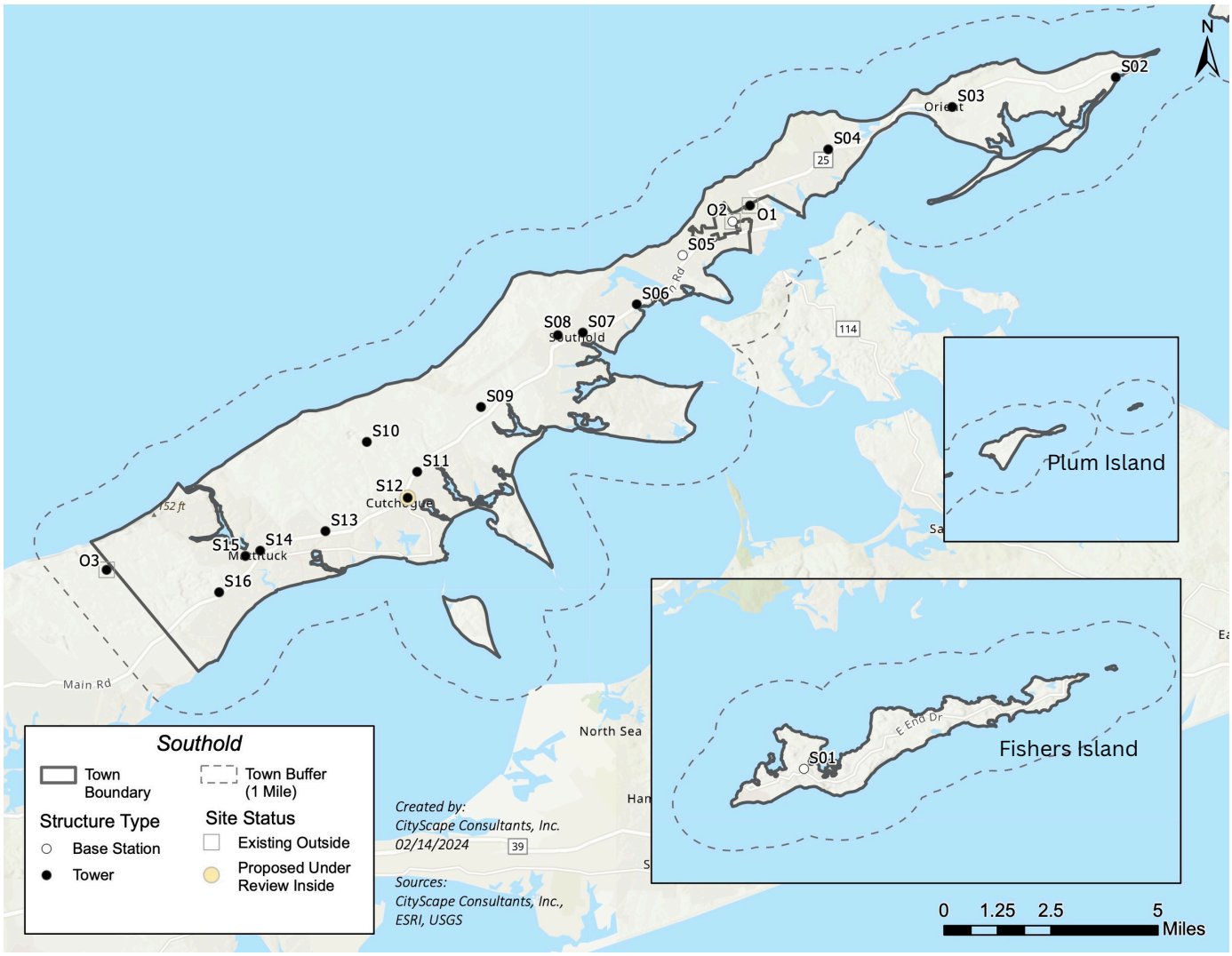


Figure 2: Zoomed In Map of Inventory by Structure Type

For the exact site locations please refer to Appendix C

Antenna Type

The maps in *Figure 3 and 4* depict the inventory of wireless infrastructure within the Study Area, categorizing by Antenna Type:

- Macro cell
- Small cell
- Public safety
- Public safety/Macro Cell combination

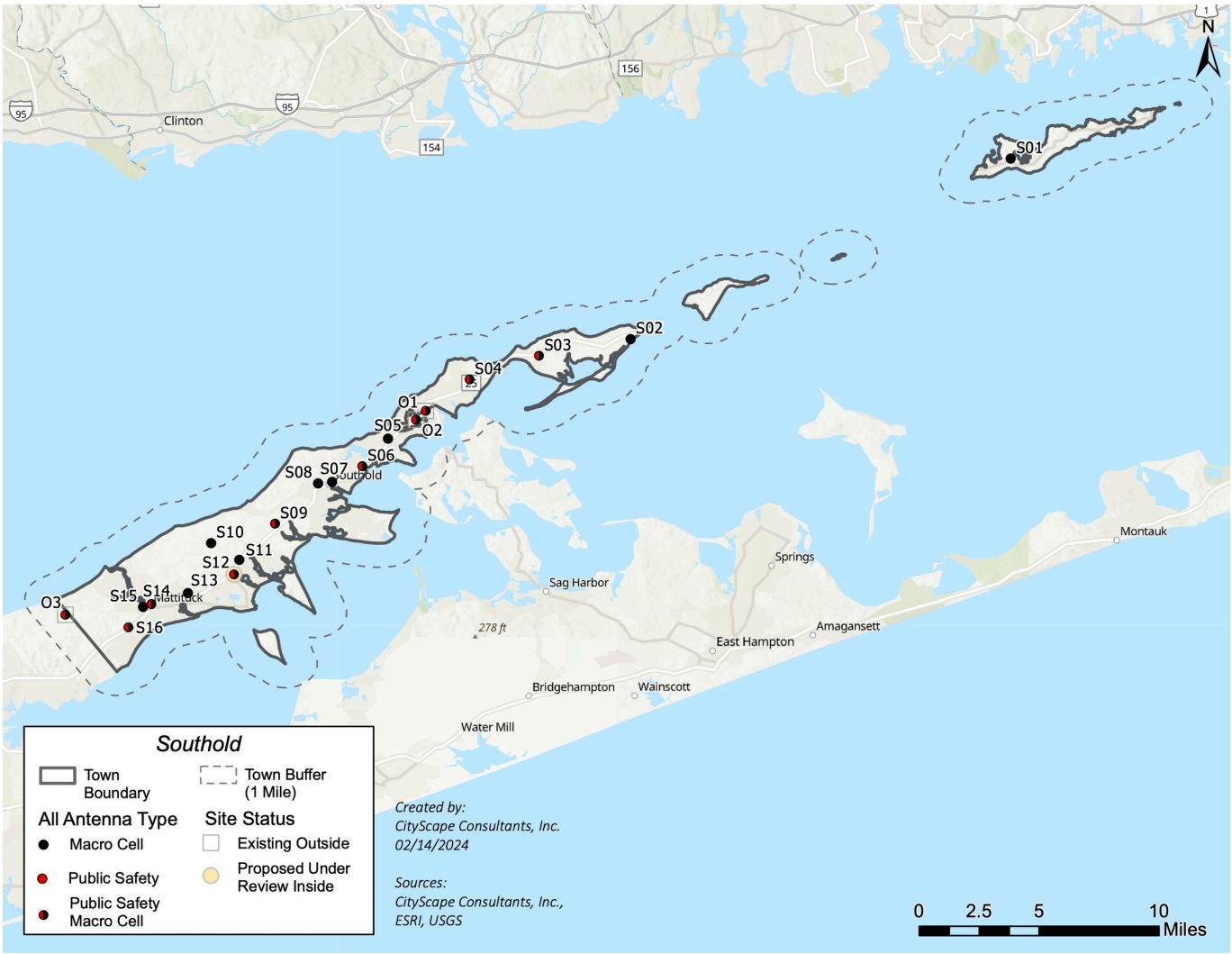


Figure 3: Map of Inventory by Antenna Type

For the exact site locations please refer to Appendix C

Antenna Type Continued

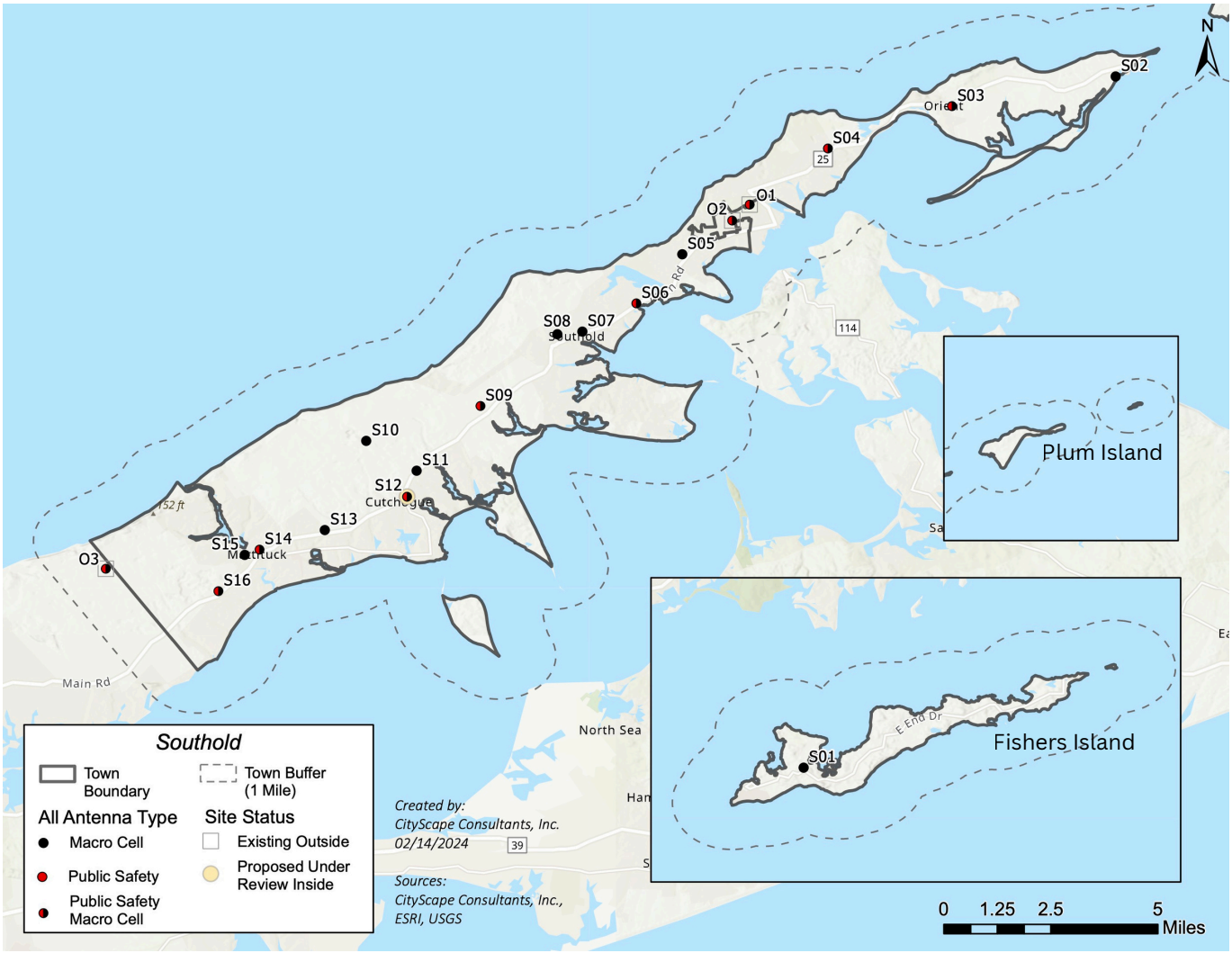


Figure 4: Zoomed In Map of Inventory by Antenna Type

For the exact site locations please refer to Appendix C

WIRELESS FUNDAMENTALS

Signal Strength

Signal strength refers to the power and reliability of a wireless connection, which directly affects how well devices like cell phones, tablets, and smartwatches function. Stronger signals allow for faster data speeds and more reliable connections, while weaker signals can result in dropped calls, slow downloads, or limited connectivity.

This concept is similar to how a lightbulb illuminates a room. When you stand close to the bulb, the light is bright and clear, just like a strong wireless signal near an antenna. But as you move farther away, the light begins to fade. Shadows appear, and visibility drops, especially if walls, furniture, or other obstacles are in the way. Likewise, wireless signals weaken as devices move toward the edge of the antenna's service area.

Just as thick curtains, walls, or different room layouts can block or absorb light, wireless signals can be disrupted by buildings, construction materials, vegetation, and changes in terrain. The performance of wireless devices also varies depending on whether they are used indoors or outdoors, as indoor environments often introduce more interference that weakens signal quality.

Network Capacity

Network capacity refers to the volume of wireless traffic a service provider's network can handle at any time, within a specific location. The amount of bandwidth being used simultaneously for calls and data can have an impact on the capacity the network can handle.

The wireless industry is moving from 4G to 5G with 6G on the horizon. At this time service providers are at different stages of 5G deployment. Both 4G and 5G networks support broadband (a high-speed internet connection that is always on), enabling innumerable applications on Smartphones. Navigation, banking, weather, music, games and online information, just to name a few, requires substantial data transmission within an antenna signal boundary.

To meet the growing demands, network densification is essential. This involves increasing network capacity through three main strategies:

1. Acquiring more spectrum
2. Enhancing spectrum efficiency
3. Adding additional wireless facilities in high-traffic areas

Wireless service providers employ a combination of these methods to fulfill user expectations.

Wireless Spectrum and FCC

The wireless spectrum refers to the range of electromagnetic frequencies used to transmit data, sound, and video. In wireless communications, radio waves, carry this information. Public safety and each commercial wireless service provider operate on different frequency bands.

5G operates across low-band (sub-1 GHz), mid-band (1-6 GHz), and high-band (24 GHz and above, often called mmWave) frequencies, which are used to transmit data between user devices and network infrastructure. These frequencies help deliver faster speeds (higher data throughput, especially in mid and high-band), lower latency (crucial for real-time applications), and improved reliability and capacity, (especially in dense areas) compared to previous generations of wireless networks. *Figure 5* provides an overview of wireless spectrum, frequencies and some of their uses.

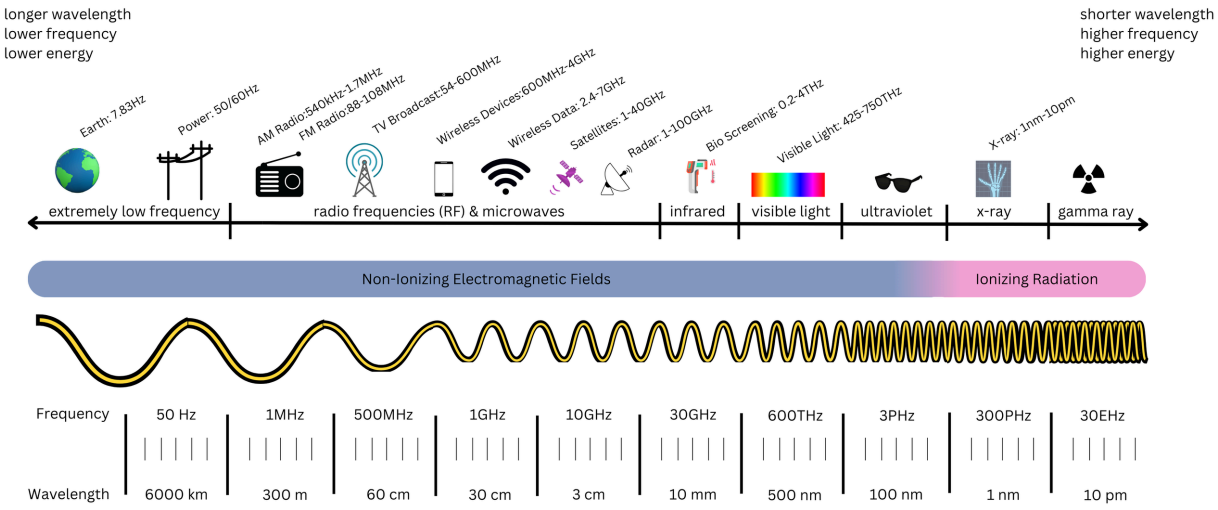


Figure 5: Wireless Spectrum Depiction

The Federal Communications Commission (FCC) serves as the primary regulatory authority for all wireless communication systems in the United States. The FCC manages the allocation of radio frequencies, sets standards for wireless devices, and ensures fair competition among service providers. Service providers pay licensing fees to the Federal Communications Commission (FCC) for access of specific frequency bands within designated geographic regions.

Federal regulations are designed to foster competition among service providers, and the FCC has implemented nationwide policies that prevent the Town from indiscriminately restricting the deployment of commercial wireless communications within their zoning jurisdiction.

COMMUNITY CHARACTERISTICS

Town of Southold

The Town of Southold encompasses the Mainland, Plum Island, and Fishers Island. The mainland is located in northeastern Suffolk County on Long Island's North Fork, bordered by Long Island Sound to the north and Peconic Bay to the south. It includes ten hamlets: Cutchogue, East Marion, Fishers Island, Greenpoint West, Laurel, Mattituck, New Suffolk, Orient, Peconic, and Southold. Plum Island and Fishers Island are located to the east and northeast of the mainland, respectively, in Long Island Sound.

The mainland terrain is predominantly flat, with some elevation changes along the northern edge. Land use is primarily Agricultural, Residential, and Open Space & Recreational. Plum Island is entirely designated for Institutional use, while Fishers Island is characterized by Residential, Open Space & Recreational, and Vacant land uses. Fishers Island also features low rolling hills and steep coastal slopes.

Mainland access is primarily by vehicle via Highways 25 and 25A, as well as by the Long Island Railroad, which terminates in Greenport. Two ferry systems also serve the area: the North Ferry connects Southold to Shelter Island, and the Cross Sound Ferry operates seasonally between Orient Point and New London, Connecticut. Access is also available via the Mattituck Airport. While privately owned, it is available for small planes and helicopters.

Access to Plum Island, which is owned by the U.S. government, is restricted to authorized personnel and is primarily limited to water transportation. Fishers Island is accessible via the Cross Sound Ferry from New London, Connecticut, by private boat, or by small aircraft through Elizabeth Field, located on the island's southeast end.

Southold is a key part of Long Island's North Fork agricultural region, known for its fertile soil, maritime climate, and growing number of vineyards and wineries. The wine industry contributes to the local economy and rural character, with vineyards playing a prominent role in land use and influencing seasonal traffic patterns.

COMMUNITY CHARACTERISTICS

According to the 2020 Census, Southold has a population of approximately 23,732. This number increases significantly during the summer and holiday seasons due to tourism and the occupancy of seasonal second homes.

Much of Southold lies within designated flood zones, coastal erosion hazard areas, and state-regulated wetlands. These environmental constraints limit development opportunities, including the placement of new wireless towers or base stations.

Community characteristics play a critical role in wireless planning, as local land use patterns, transportation corridors, housing density, architectural styles, and zoning preferences all directly influence the placement and design of wireless infrastructure.

MAPPING AND ANALYSIS

Wireless Coverage Prediction Maps

The following coverage prediction maps represent simulated wireless coverage throughout the Town. The maps are based on LTE standards in the mid-band frequency spectrum (1700-2400 MHz) and assume maximum operating power from each tower or base station. These maps provide an estimated view of wireless signal reach represented by colors.

The minimum usable LTE coverage level is -115 dBm RSRP (Reference Signal Received Power), which is adequate for outdoor coverage but insufficient for reliable indoor or in-vehicle service. The typical minimum level for dependable outdoor coverage is -105 dBm, supporting reliable calls, texts, and data sessions. Signal strength tends to decrease by 10-20 dB indoors compared to outdoor levels because different building materials absorb and block radio waves. As a result, reliable indoor service generally requires a minimum of -95 dBm RSRP, with a 5 dB margin added to ensure consistent performance.

The wireless coverage prediction maps use the color gradient, ranging from yellow to blue, indicating the varying levels of signal strength emanating from each personal wireless service facility. The geographic areas in yellow identify the strongest signal providing superior coverage both indoors and outdoors; green indicates moderate or in-vehicle signal strength; blue denotes weaker signal strength which may be sufficient for basic outdoor connectivity; and unshaded areas highlight regions with marginal, spotty or no signal suggesting poor or non-existent coverage.

The following *Table 2* provides an easy reference of the wireless signal strength across the mapped areas, helping to quickly interpret the coverage quality based on color gradation.

SIGNAL STRENGTH COLOR	dBm	SIGNAL STRENGTH DESCRIPTION
Yellow	> -90	In Building
Green	-90 to -105	In Vehicle
Blue	-105 to -115	Outdoor

Table 2: Signal Strength Description

Wireless Coverage Analysis

Figure 6 presents a simulated wireless coverage map illustrating predicted signal propagation from sixteen cell sites. These sites either currently host all four major wireless providers or have sufficient structural and ground space capacity to accommodate additional providers in the future.

Black dots indicate towers and base stations with macro cell equipment, while black and red dots represent towers that support both public safety and commercial macro cell equipment. Of the sixteen sites, thirteen are located on Southold's mainland, one is situated just outside the jurisdiction within the one-mile buffer and two are on Shelter Island just outside the one-mile buffer. These two sites, on Shelter Island provide service to certain areas within Southold.

The map depicts varying levels of wireless signal strength across the Study Area.

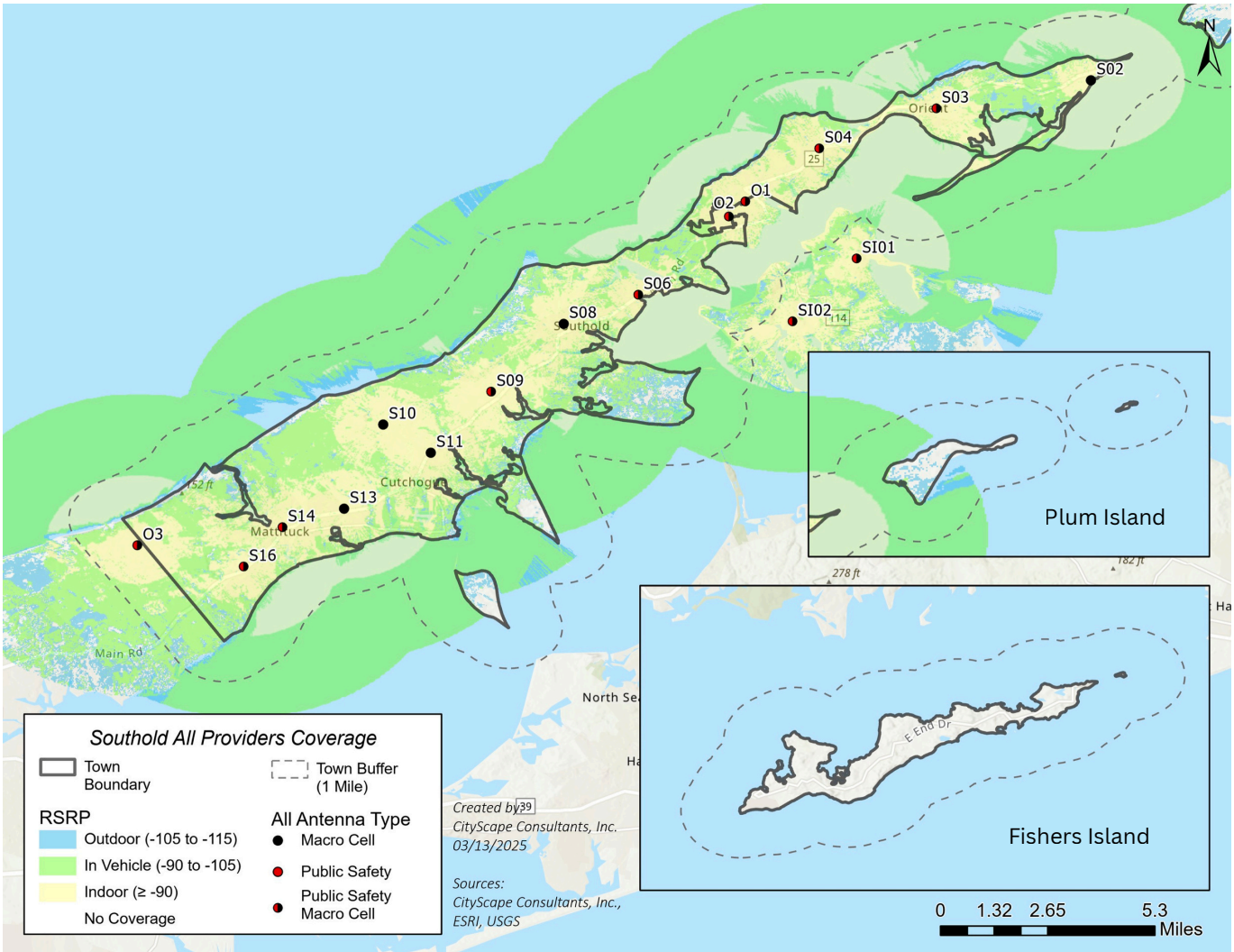


Figure 6: Map of Simulated Wireless Coverage

Simulated Coverage with Town-Wide Address Points

Figure 7 shows the projected wireless coverage pattern in relation to address points throughout the Town. Each small circle represents an individual address based on the data from the National Geospatial Data Asset (NGDA) provided by the U.S. Department of Transportation feature layer. The color of each circle indicates the estimated quality of in-building wireless coverage. While this scenario is theoretical, it offers a visual estimate of expected indoor coverage within the Town.

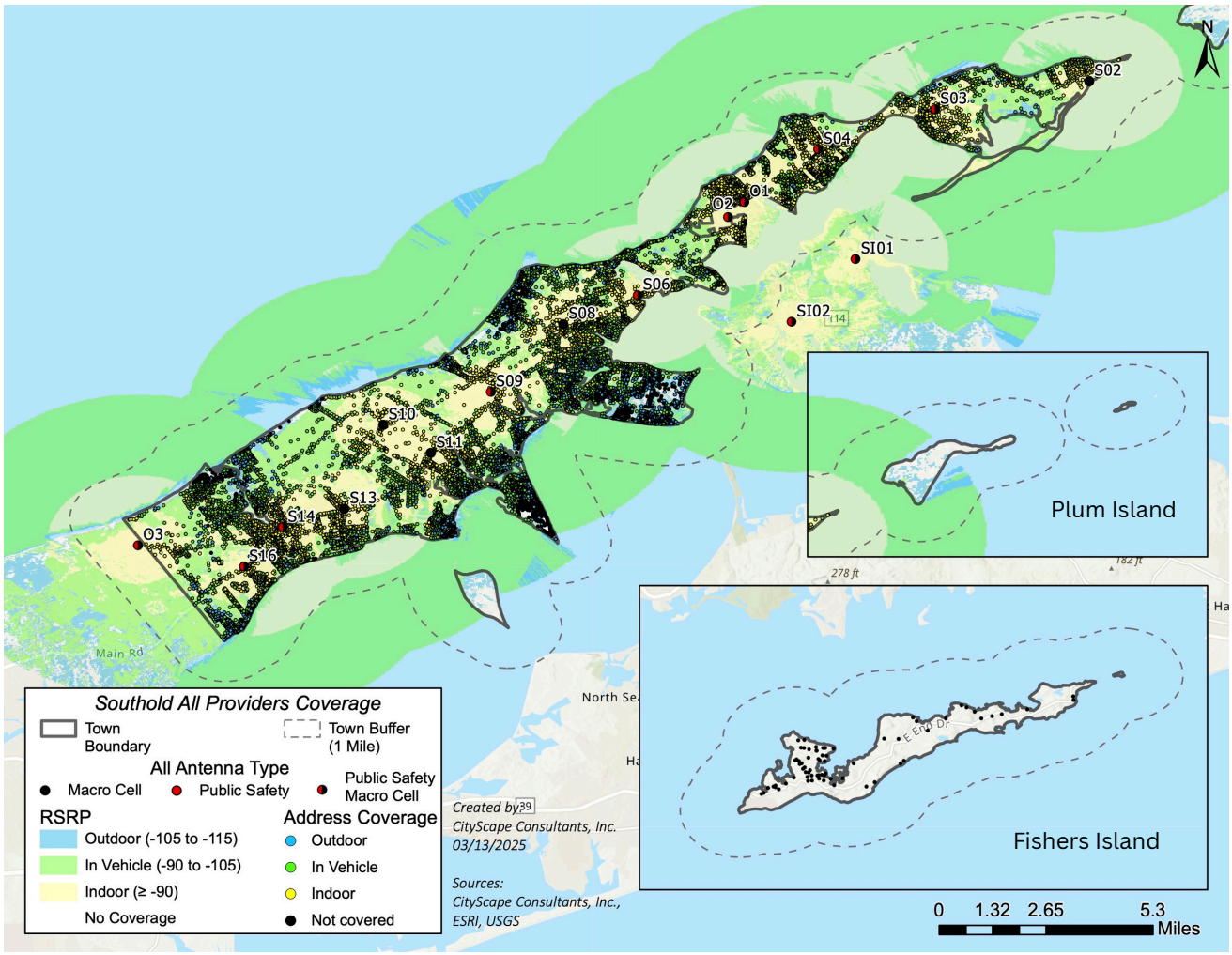


Figure 7: Map of Simulated Wireless Coverage by Address Point

Coverage levels are represented by the following colors:

- Black: Minimal or no in-building coverage
- Blue and Green: Outdoor coverage only; users may need to stand near a window or step outside for a stable condition.
- Yellow: Strong in-building connectivity, typically a addresses located closer to a tower or base station.

Zooming in a specific section of the wireless coverage by address point, provides a more detailed look at the in-building coverage patterns. However, some address point markers may not align with the predicted coverage. This discrepancy becomes evident when a fill color of an address point differs from the surrounding propagation color, indicating signal degradation.

For example, in the circled area shown in *Figure 8*, several address points located within the yellow propagation zone appear green,or blue. This suggests the presence of obstructions that may be interfering with signal strength. Contributing factors may include terrain elevation, tree canopy density, types of vegetation (e.g., deciduous vs evergreen), or the construction materials and architectural design of the building itself. Ideally, the fill color of each address point should correspond with the predicted propagation color, reflecting optimal signal performance.

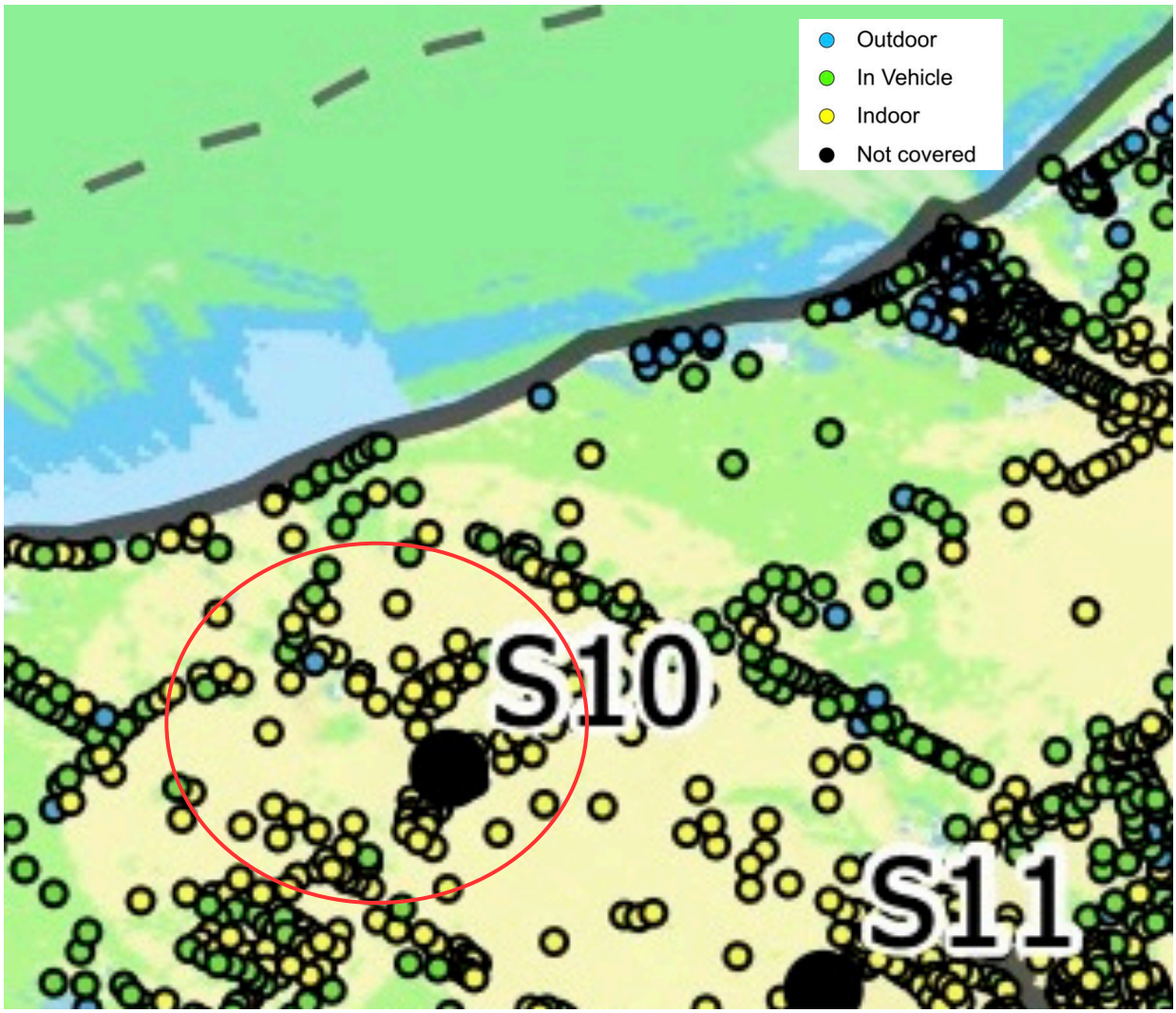


Figure 8: Zoomed in Portion of Figure 7

Wireless Coverage Analysis

Plum Island

Plum Island is considered to be within the Town of Southold's borders but it is not part of the Town's zoning authority or subject to local land use regulations as it is federal property. It owned by the United States government and primarily managed by the U.S. Department of Homeland Security through its Science and Technology Directorate, which operates the Plum Island Animal Disease Center. Public access is prohibited due to the island's sensitive research activities and national security considerations. Consequently, there is no wireless infrastructure development on the Island.

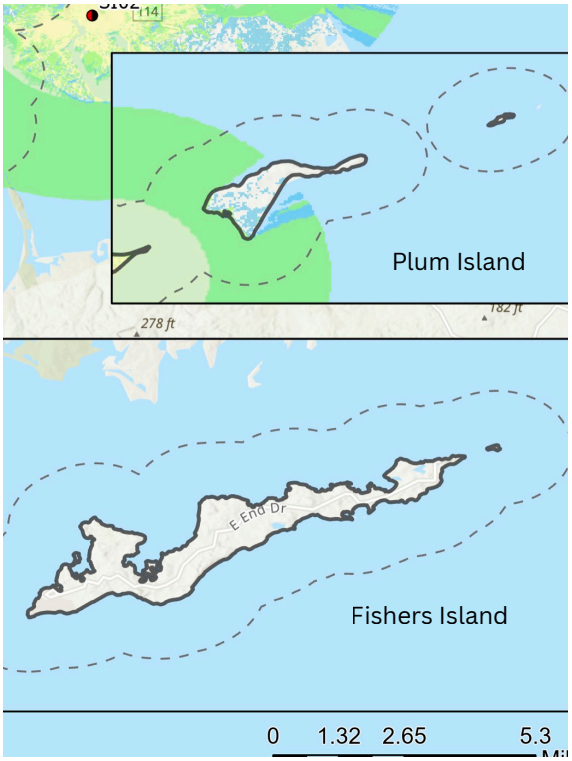


Figure 9: No Coverage Fishers and Plum Island

Fishers Island

Site S01 is the only facility on Fishers Island and it currently supports one wireless service provider. The antennas for this site are mounted and concealed within the church steeple.

A second wireless service provider has expressed interest in installing antennas on the rooftop of an adjacent church building, located on the same zoned lot. There is no other collocation opportunity at this site.

Because this site cannot support all major wireless providers, *Figure 9* illustrates no wireless coverage for Fishers Island.

Mainland

In eastern Southold, particularly near Orient and East Marion, tower sites S02, S03 and S04 provide both indoor and in-vehicle wireless service. Site S02 delivers coverage across the eastern tip of Southold's peninsula and the adjacent waterways. Sites S03 and S04 extend this coverage westward along the Main Road (also known as: NY State Route 25, NY-25 or Route 25) corridor. Indoor coverage along this route is generally strong, with only minor signal degradation near the coastline, where terrain and vegetation may obstruct line-of-sight transmission, see *Figure 10*.

Figure 10: Eastern Southold

The central part of Southold is served by towers S06, S08, S09, S10 and S11 all located within the Town's zoning jurisdiction. The Greenport hamlet receives coverage from Sites O1 and O2, which are located within the Village of Greenport. Additionally, Sites SI01 and SI02 on Shelter Island help supplement coverage west of East Marion, extending service toward the commercial areas of Greenport and central Southold, see *Figure 11*.

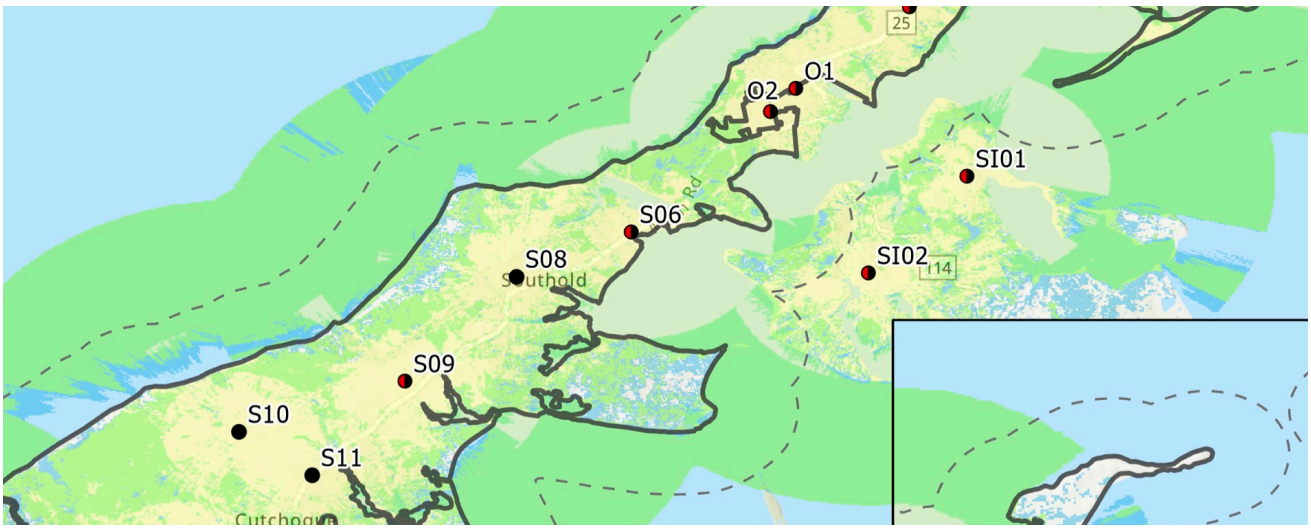


Figure 11: Central Southold

Site S09 provides a moderate level of in-building coverage to the Peconic Hamlet. Overall, this central area of the Town demonstrates generally strong in-building coverage (represented in yellow) along Main Road (NY-25). As distance from the tower increases, in-building coverage transitions to in-vehicle coverage (green), then to outdoor-only coverage (blue), and eventually to areas with little or no coverage, particularly away from the major roadway corridors.
beyond this main travel route, see *Figure 12*.

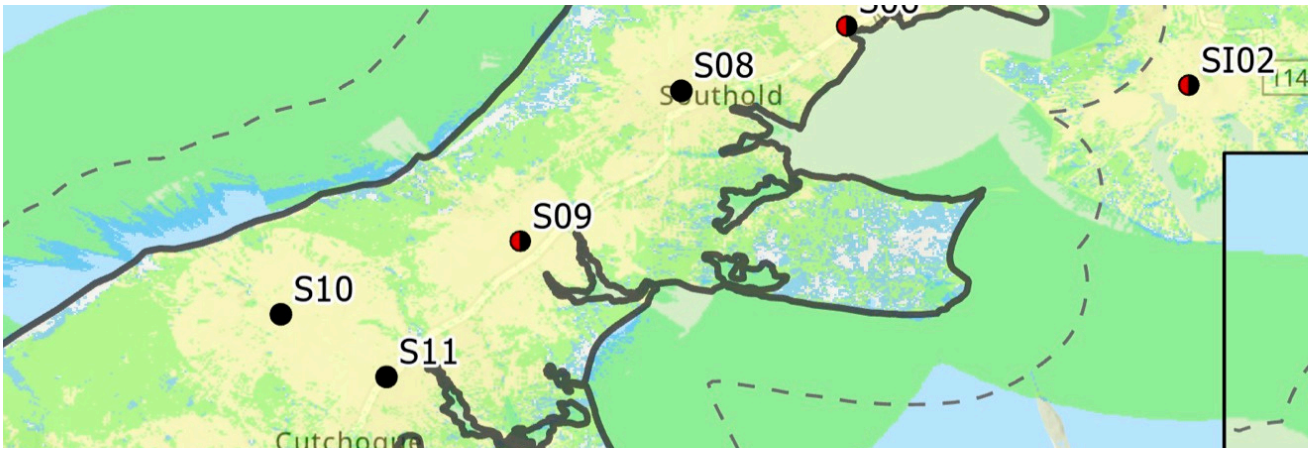


Figure 12: Peconic Hamlet Area

Western Southold includes the Hamlets of Cutchogue, Mattituck and Laurel. Wireless coverage in this area is primarily provided by Sites S13, S14, S16, and O3. Coverage generally follows the Main Road (Route 25) corridor, extending westward toward the Town boundary, with in-vehicle service concentrated just beyond this main travel route, see *Figure 13*.

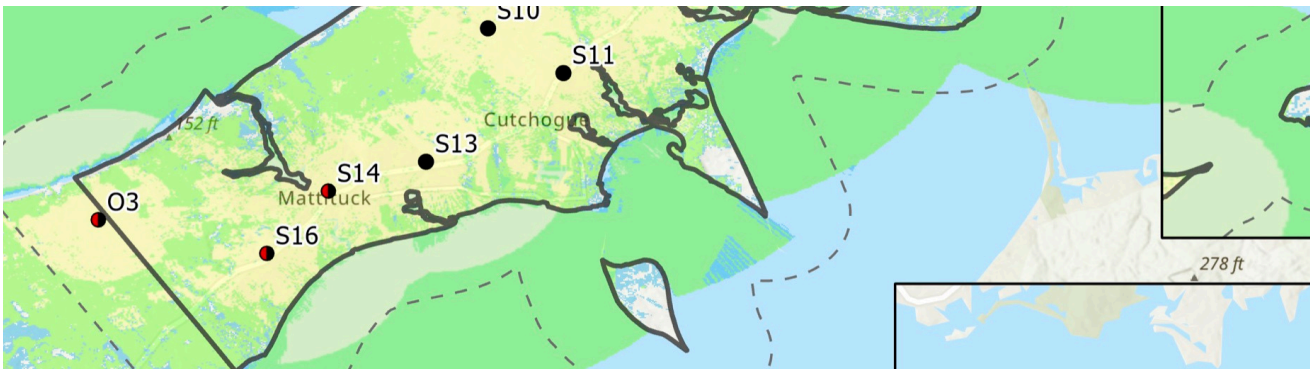


Figure 13: Cutchogue, Mattituck and Laurel Hamlets

Despite this coverage, gaps remain along the northern shoreline, where portions of the waterfront experience weak or no signal due to terrain limitations and distance from existing infrastructure. Similarly, peninsulas along the southern shoreline have little to no coverage, as there are no wireless facilities currently serving those areas.

Towers in Southold are effectively used for dual purposes, six of the Town's 16 commercial wireless towers also support public safety equipment. This represents an efficient use of public infrastructure. Although these towers are generally well distributed and provide a solid foundation for commercial coverage, they are not sufficient on their own to support a high-performing, long-term wireless network. Additional sites will be necessary to expand coverage, increase capacity, and to meet the seasonal demand placed on the existing network.

Several key areas have been identified for wireless infrastructure improvements, as shown in *Figure 14*. Fishers Island lacks basic outdoor coverage. The southern shoreline peninsulas experience weak or no signal due to the absence of nearby infrastructure. The northern shoreline suffers from signal loss due to the distance of the nearest wireless facility.

Addressing these coverage gaps will require the deployment of new wireless infrastructure to improve access and connectivity throughout the Town.

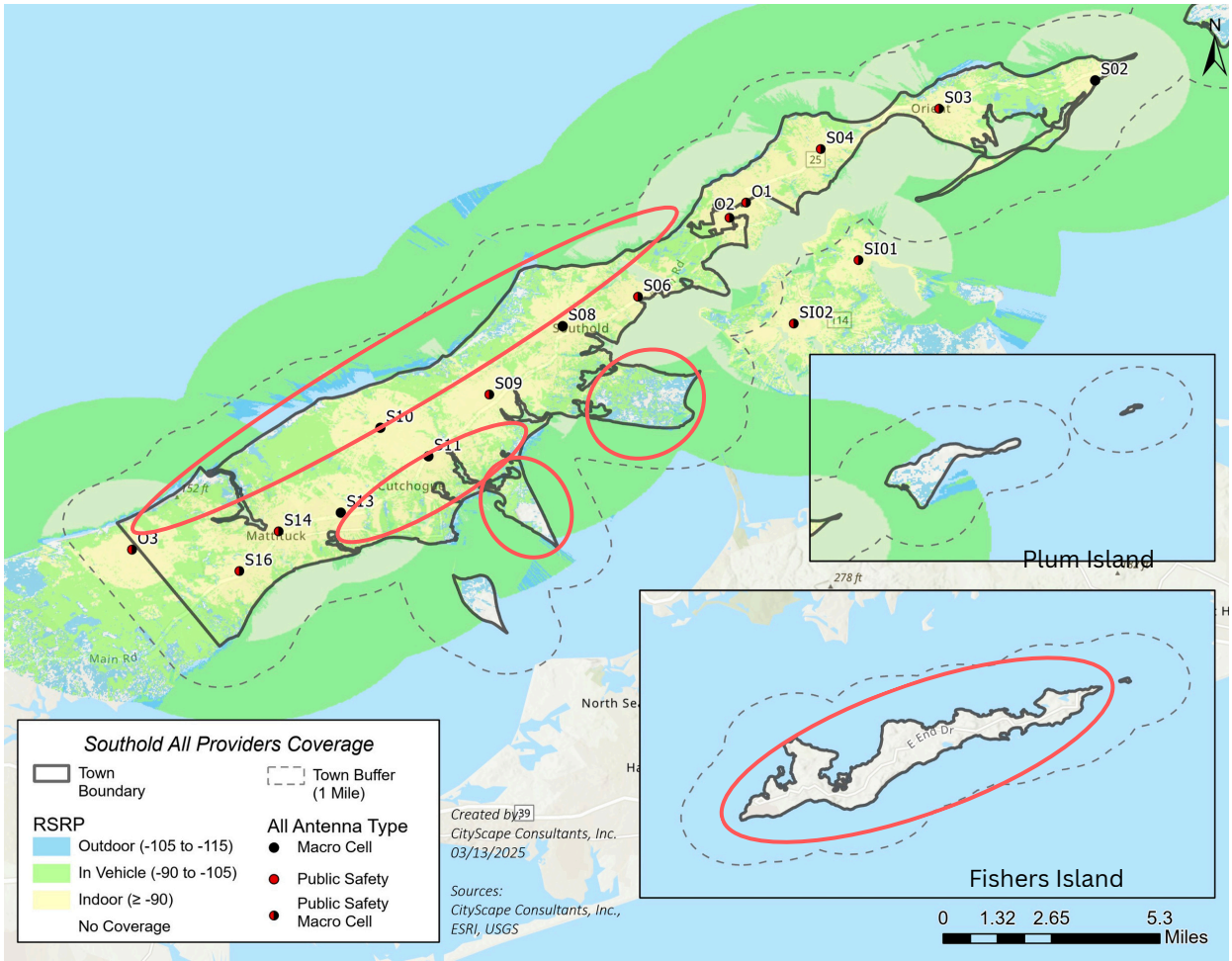


Figure 14: Improvement Areas

POTENTIAL SOLUTIONS

Planning Considerations

When identifying and planning solutions to address areas of poor and no wireless coverage in the Town, several key factors should be considered:

- Existing Facilities: Priority should be given to optimizing the use of existing and underutilized wireless facilities across the Town. Maximizing these resources may reduce the need for new tower construction and promote more efficient network expansion.

- Service Providers: All four major wireless service providers, AT&T, Dish Wireless, T-Mobile and Verizon hold licenses from the Federal Communication Commission (FCC) and have the right to deploy network infrastructure throughout the Town.

- Seasonal Variations: The Town experiences a significant population increase during peak seasons due to vacationers and part-time residents traveling to the North Fork and the Hamptons. This seasonal influx results in higher demand for wireless service and increased vehicular traffic. The network must be designed to handle peak usage periods to ensure reliable service for public safety, full-time residents, and business owners throughout the year.

- Future Technology: While still in development, 6G deployment is anticipated around 2030. As the next generation of wireless technology, 6G is expected to use higher frequencies to enable faster upload and download speeds. Although there is no immediate need to prepare for 6G, long-term planning should account for its eventual arrival.

- Antenna Type and Function: The size, height, and design of wireless facilities are significantly influenced by the type of antennas installed. Proper selection and placement of antennas are critical to maintaining performance while minimizing physical impact.

- Collocation Optimization: Collocation allows multiple service providers to share a single wireless facility, reducing the number of towers needed town-wide. However, this approach often requires taller, more prominent structures to support the combined equipment.

- Viewshed Preservation: Maintaining the Town's residential and rural character is essential. Wireless infrastructure should be designed to minimize visual impact and avoid introducing industrial-looking utility structures into sensitive or scenic areas.

Solution Strategies

Considering the Town's unique characteristics, the current wireless deployment pattern, the anticipated progression to 6G technology, and the need to establish a comprehensive ten-year wireless strategy that includes all service providers, two simulated engineering solutions have been developed for evaluation.

Each scenario incorporates the eleven existing macro cell sites within Southold that are capable of hosting all four major wireless service providers (S02, S03, S04, S06, S08, S09, S10, S11, S13, S14, and S16), as well as the five additional wireless facilities located just outside the Town's boundaries that contribute to the overall deployment pattern (O1, O2, O3, SH01, and SH02).

The two planning scenarios are:

- Macro Wireless Facilities Only
- Hybrid Macro and Small Wireless Facilities

These scenarios are intended solely as planning tools to illustrate potential strategies and the number and type of wireless facilities it may take to improve wireless connectivity throughout the Town.

These scenarios provide an illustration of the infrastructure, antenna types, and general locations that may be necessary to support a comprehensive wireless buildout over the next decade.

While not intended to replicate any specific service provider's deployment plan or predict future installations, these simulations offer valuable guidance for long-term infrastructure planning.

Scenario 1 - Macro Wireless Facilities Only

Macro cell antennas, along with their ancillary equipment, offer the greatest flexibility and coverage range for wireless service providers. These antennas are typically mounted on taller towers or structures to maximize elevation and signal reach; however, their required height can make them more difficult to visually conceal.

Scenario 1, illustrated in *Figure 15*, presents a macro cell-only fill-in solution based on LTE coverage projections. It suggests the addition of five new macro sites (PM01, PM02, PM04, PM06, and PM07). Additional suggestions include replacing the existing 80' utility pole at site Site S05 with a new 120' tower (PM03); redesigning Site S12 the proposed 145' tower (Cutchogue fire station) with PM05 a 160' tower; and increasing the height of the existing Site S09 from 145' tower to 199' to allow for higher antenna placement and better signal reach.

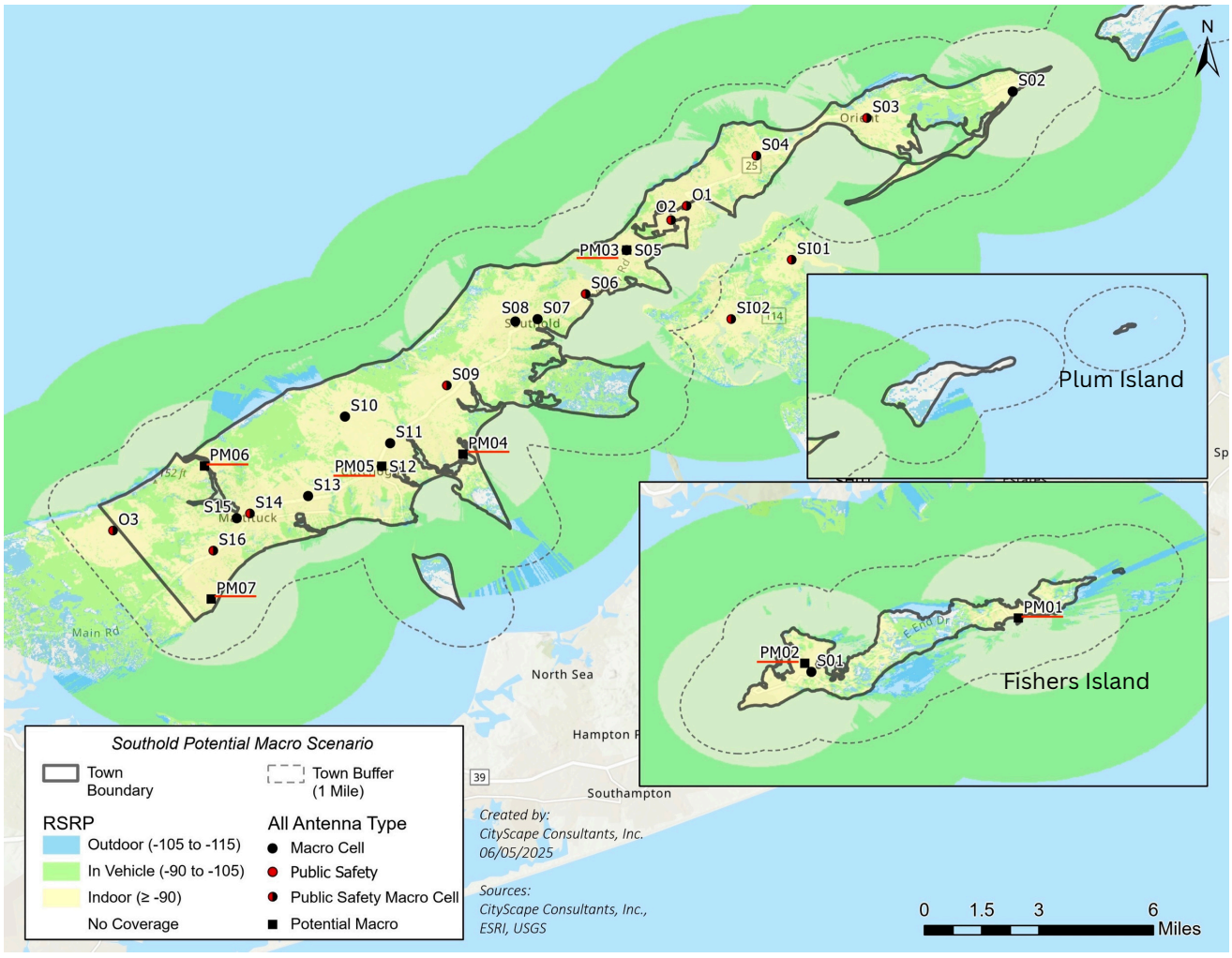


Figure 15: LTE Coverage Predictions Macro Wireless Deployment Only

Scenario 1 - Macro Wireless Facilities Only Continued

The contemplated new and replacement sites are strategically located outside of mapped wetlands, flood zones and residential land use areas. These potential locations are intended to serve areas with limited or no wireless coverage and to strengthen signals from existing towers. They also aim to improve overall coverage in zoning districts where current towers only provide indoor quality service along the major roadways.

Possible sites PM01 and PM02 are situated on Fishers Island, which currently lacks wireless coverage from three of the four major wireless cell phone service providers. The addition of these two suggested macro cell sites could provide much improved in-vehicle and partial in-building coverage across nearly the entire island. Although certain interior portions of the island may still experience limited indoor coverage due to terrain, vegetation or building materials, this deployment represents a substantial improvement over existing conditions.

PM03, located in central eastern Southold, would replace the single-tenant facility on the existing 80' wood pole at site S05 with a new 120' tower. The taller tower would accommodate the equipment of additional service providers and bridge gaps between existing sites O1 and O2 and S06. The new site could also strengthen the radio signals in areas that are currently underserved.

PM04 is positioned to extend coverage south of S09 and S11. Additionally, Cutchogue area would benefit from the redesign of the proposed tower at S12 (Cutchogue Fire Department).

If properly planned a new tower site at PM05 could triangulate with existing Sites S10, S11, and S13 to improve overall coverage and fill persistent gaps in this region.

PM06, located north of Mattituck, would address a significant coverage void in an area showing minimal to no signal propagation—indicated by the absence of mapped coverage colors.

PM07, situated near Laurel, would help extend service from Site S16 to rural and coastal areas west of Mattituck and into the southwestern corner of the Town, where coverage remains limited despite the presence of Site O3.

Scenario 1 - Macro Wireless Facilities Only Continued

Collectively, the addition of macro sites PM01 through PM07 would substantially enhance wireless coverage throughout Southold's mainland and associated islands. These sites would help establish more consistent service levels, close critical wireless coverage gaps in isolated areas, and strengthen connectivity for both consumer and public safety communications.

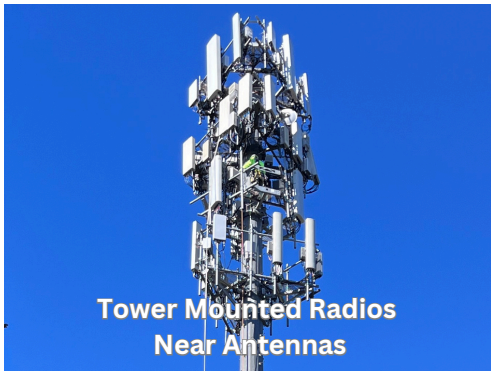
However, some areas of concern persist. Narrow coastal inlets, wetland zones, and remote areas, such as sections along East Main Road on Fishers Island, the north shore, and the far southeastern tips of the mainland peninsula, continue to show weak or absent coverage. These regions are often constrained by residential land uses, environmental protections, wetlands, challenging terrain, seasonal tree canopy and the tower design requirements, all of which hinder the siting of macro towers.

The Town Code mandates the use of shorter, concealed towers, specifically the unipole design. Of the sixteen wireless towers in the Town, nine are concealed unipole structures. This design features antennas mounted closely along a central shaft, which is enclosed within a radio frequency–transparent shroud that conceals both the antennas and cables. The result is a significantly reduced visual impact on the surrounding landscape.

However, unipole towers have functional limitations. The radios that amplify the antenna signals must be installed at ground level because they generate substantial heat, which could accumulate inside the enclosed collar if placed with the antennas. Moreover, mounting the radios on the shaft occupies valuable space, leaving little or no room for future antenna upgrades and additional collocations.


Antennas Under Unipole Shroud


Ground Mounted Radios on H-Frame

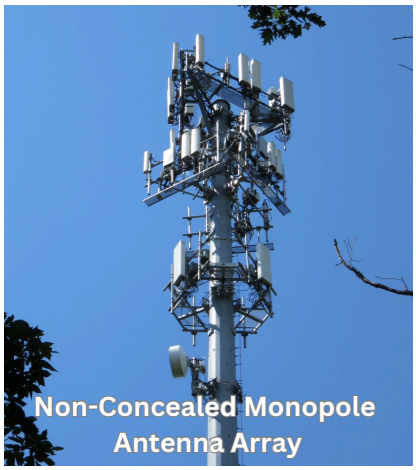

Tower Mounted Radios Near Antennas

Scenario 1 - Macro Wireless Facilities Only Continued

This separation between antennas and ground-based radios can reduce signal performance by up to 30%, often necessitating additional facilities to cover the resulting gaps, particularly in edge areas, thereby leading to more small cell or macro sites being necessary. Additionally, the custom fabrication, integrated concealment materials, and more restrictive mounting options for concealed unipoles drive up both material and labor costs. Due to these higher costs, limited tower-mounted equipment capacity, and reduced signal propagation, wireless carriers typically delay or avoid deployment in areas with limiting jurisdictional design mandates.

In contrast, non-concealed or concealed structures (other than a unipole) offer greater flexibility by allowing antennas and radios to be mounted together on full antenna arrays. This integration yields a stronger signal and broader coverage area.


Concealed Monopole Antenna Array


Non-Concealed Monopole Antenna Array

Southold's wireless communication regulations encourages the use of shorter towers. In the LI, LIO, MI, MII, B, and HB zoning districts, antenna support structures are permitted up to a maximum height of up to 80'. In more restrictive zones, such as AC, R-40, R-80, R-120, R-200, R-400, LB, RO, RR, HD, and ADH, the maximum allowable tower height is up to 45'.

These height restrictions present challenges for effective network design. A 45' tower typically cannot transmit signals above surrounding tree canopies or nearby building rooftops. Even 80' towers generally rise only slightly above the average height of the Town's coastal oak and holly trees.

According to FCC guidance and industry standards, antennas perform optimally when mounted above the "clutter layer", such as trees, buildings, and terrain. Achieving this line-of-sight positioning reduces signal loss and improves overall performance. Installing antennas above the clutter threshold can extend signal reach by 40-70% and increase coverage area by up to 90%. As such, height flexibility is critical for designing efficient and reliable wireless infrastructure.

Scenario 1 - Macro Wireless Facilities Only Continued

As an example from a community in Virginia, *Figure 16* illustrates coverage from a 100' tower with radios installed at ground level, resulting in approximately 0.9 miles of in-car wireless coverage. In contrast, *Figure 17* shows coverage from a 140' tower with radios mounted at the antenna elevation. Both the taller tower and radios mounted at the higher elevation extends wireless coverage to over 1.3 miles. This configuration increases the coverage distance by more than 40% and more than doubles the total coverage area, highlighting the performance advantages of taller tower height and mounting radios directly with the antennas on the structure.

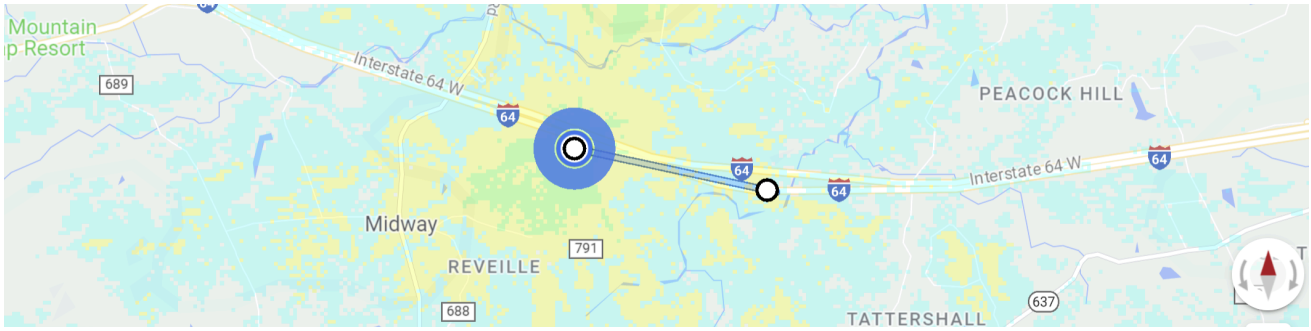


Figure 16: Example 100' Tower Coverage Range with Radios on Ground

Figure 17: Example 140' Taller Tower Coverage Range with Radios on Tower

In summary, while shorter concealed towers may reduce visual impact, they come with a trade-off of reduced wireless coverage, limited capacity for future collocations and higher deployment costs. Towers that are too short or that require separation between radios and antennas often result in diminished signal strength and will necessitate more sites to fill coverage gaps. Conversely, taller towers, whether non-concealed or concealed, using alternative design options to the unipole, can accommodate antenna-radio configurations mounted directly on the structure. This setup enables stronger signals, broader coverage, and greater flexibility to support evolving network demands. As wireless service needs grow, particularly with 5G and future technologies, Southold will need to balance visual impact considerations with the delivery of dependable, reliable, high-performance coverage.

Scenario 2 - Hybrid Macro and Small Wireless Facilities

Small cell wireless facilities are typically installed within the public right-of-way on new, replacement, or existing utility poles. This deployment method is primarily used to increase network capacity or improve wireless coverage in areas where macro cell sites are limited due to zoning constraints or potential signal interference. Because small cell antennas have a much shorter propagation range than macro cells, multiple installations are required to achieve comparable coverage.

Scenario 2 builds upon the macro cell network shown in Scenario 1 by introducing 28 potential small cell locations. Five of these are located on Fishers Island, while the remaining sites are distributed across the mainland. Each proposed small wireless facility is intended to enhance the coverage provided by both existing and proposed macro towers.

Figure 18, displays the LTE coverage predictions based on a hybrid approach that combines the macro cell sites identified in *Figure 15* with the addition of 28 theoretical 45' small wireless facilities (represented by pink dots).

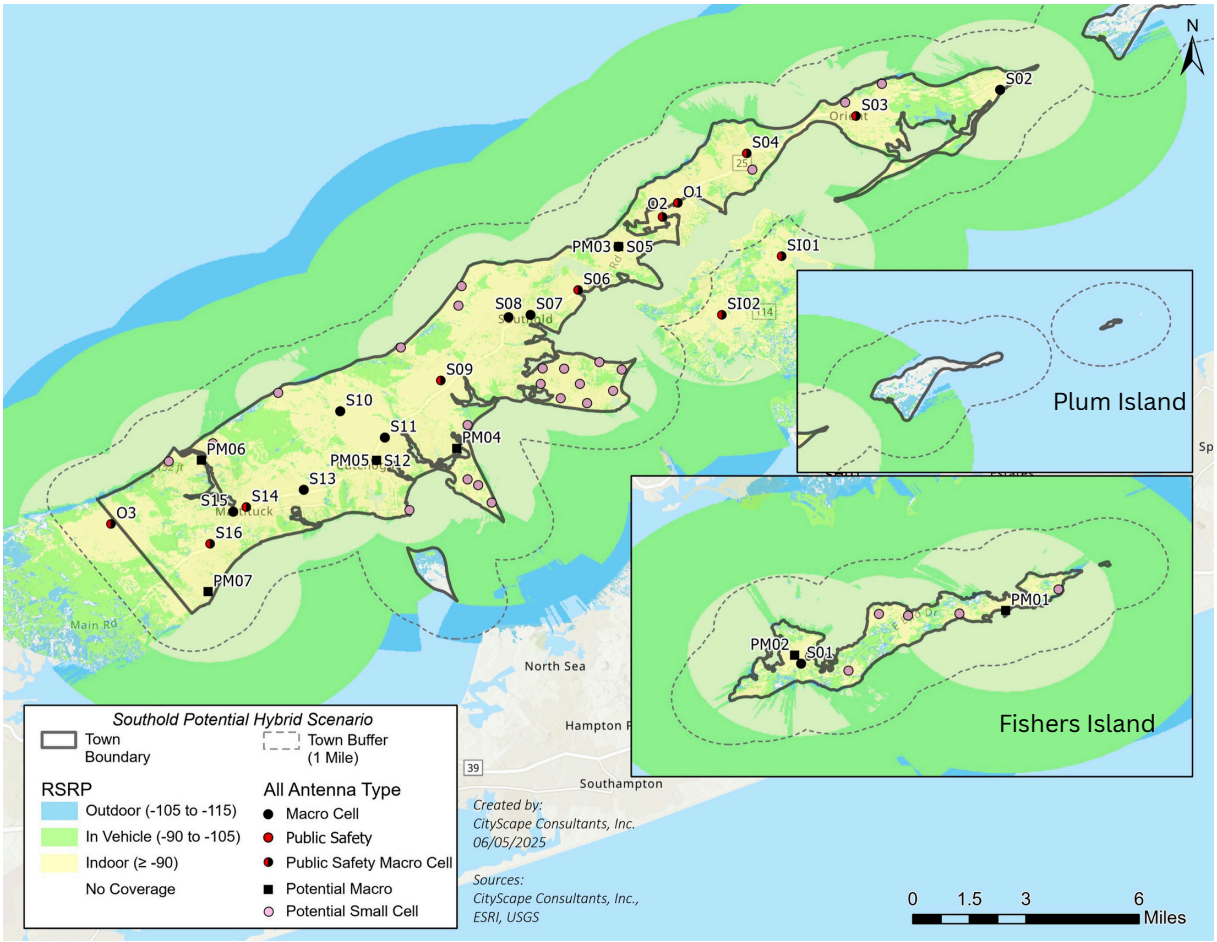


Figure 18: Coverage Predictions For Combination Macro and Small Wireless Deployment

Scenario 2 - Hybrid Macro and Small Wireless Facilities Continued

This hybrid wireless infrastructure scenario more comprehensively addresses the network coverage gaps identified across Southold. The integration of small cells enhances signal availability in fringe areas, particularly where macro cell signals weaken due to distance, terrain, or current and future land use constraints. Small wireless facilities serve as targeted solutions for hard-to-reach locations, including narrow peninsulas, residential areas or environmentally sensitive sites where macro tower siting is restricted by zoning.

On Fishers Island, where topography and dense tree canopy interfere with signal propagation and macro tower siting opportunities are limited, small wireless facilities offer a practical alternative. The five theoretical installations along East Main Road would help eliminate outdoor-only and no-service zones, providing more consistent and reliable coverage for both residents and visitors.

On the mainland, small cell locations have been strategically selected to serve areas where single-family residential patterns, restrictive zoning, or proximity to water bodies hinder the deployment of traditional macro towers. These conceptual installations would ensure signal continuity where macro infrastructure alone cannot support reliable indoor or in-vehicle service. In compact or visually sensitive areas, such as flat coastal stretches or neighborhoods with aesthetic limitations, small wireless facilities offer a lower-profile, supplemental solution to fill remaining wireless coverage gaps.

It is important to note that the 28 small cell fill-in sites illustrated in the plan represent a conservative deployment scenario. If some of the proposed macro sites in Scenario 1 are not constructed and each wireless provider deploys its own single-tenant small cell pole, the number of required small cell sites could increase significantly, potentially exceeding 100 small wireless facilities.

Community decisions regarding wireless zoning policies will play a critical role in determining the balance between macro and small cell deployments. For example, expanding macro tower siting eligibility into additional zoning districts, such as Agricultural, could reduce the overall need for small cell sites.

Conversely, in areas like Fishers Island, where topography and limited development make macro siting highly impractical, small cells may offer the most efficient and context-appropriate solution. Similarly, peninsulas on the mainland with predominantly single-family housing may be best served solely by small cell infrastructure located within the public right-of-way, since very few zoning districts on the island support new tower construction.

COMMUNITY SURVEY

The Town encouraged residents to participate in a Wireless Infrastructure Survey as part of its wireless master planning efforts. The purpose of the survey was to gather community input regarding current wireless service, future infrastructure needs, and preferences related to the design and placement of wireless facilities.

The survey invited residents to share their experiences with wireless connectivity throughout Southold, as well as their views on the importance, appearance, and locations of potential wireless infrastructure. The survey was open from July 18, 2025, through August 14, 2025, and received responses from 773 participants.

Key Findings

Importance of Wireless Service:
A strong majority of respondents (93.9%) indicated that high-quality wireless service is very important to them. In addition, 80.8% reported that they would rely more heavily on their mobile devices if overall network performance improved.

Current Service Quality
Nearly 70% of respondents (69.2%) reported that wireless coverage at their residence is poor or inconsistent. When traveling throughout the Town, 87.5% described their wireless service as inconsistent or poor.

Preferred Deployment Scenarios
After reviewing two future wireless deployment scenarios, 62.5% of participants selected Scenario 2 (Hybrid Cell Design) as their preferred option. Scenario 1 (Macro Cell Only) was preferred by 30.6% of respondents, while only 6.9% favored a system relying primarily on small wireless facilities located within the public rights-of-way.

Connectivity Versus Visual Impact
When asked to balance connectivity with aesthetics, 53% of respondents identified excellent cell phone connectivity as their top priority. An additional 41.8% indicated that they prefer strong connectivity paired with minimal visual impact.

Use of Town Property

More than half of respondents (56.7%) support the use of Town-owned property for future wireless facilities. Respondents noted that this approach could allow the Town to better control design, aesthetics, and maintenance while also generating lease revenue from wireless providers for the Town.

Preferred Aesthetic Treatments

Most respondents (75.6%) expressed a preference for visually mitigated installations, such as antennas mounted on existing rooftops or water tanks. Additionally, 44.9% indicated that some form of visual mitigation is preferable to none. When asked to select specific facility styles, 45.2% favored a monopine, 33.6% preferred a unipole, and 30.3% supported a painted monopole with painted antennas and ancillary equipment.

Survey Comments Summary

Survey respondents provided detailed comments describing how wireless service affects daily life, local businesses, and public safety. Several consistent themes emerged from the responses.

Daily Inconveniences

Many respondents reported that unreliable wireless service disrupts everyday activities. Residents indicated they rely heavily on mobile connectivity for work, healthcare access, and maintaining personal and social connections.

Public Safety Concerns

A significant number of respondents expressed concern about the inability to depend on wireless service during emergencies. Residents without landlines noted they have no alternative means of communication, and several reported being unable to call 9-1-1 from their homes or while traveling through the Town due to coverage gaps.

Business Impacts

Local business owners described financial losses and customer frustration resulting from service interruptions. Respondents noted that outages to cellular and internet service can halt business operations, while dropped calls with clients may negatively affect professional credibility and customer relationships.

Urgent Requests for Action
Many respondents urged the Town to address wireless service issues promptly, with several characterizing the current level of service as "unacceptable in 2025."

Inadequate Cell Coverage
Respondents emphasized the severity of coverage gaps throughout the Town. The Southold Hamlet was frequently cited as an area experiencing particularly poor wireless service.

Sentiments on Infrastructure Deployment
While two respondents stated opposition to additional cell towers, many others expressed support for improved coverage, provided that new infrastructure is concealed or designed to minimize visual impacts wherever possible.

Appreciation for the Planning Process
Several respondents expressed appreciation to the Town for conducting the survey and for proactively working to improve wireless service.

Feedback on Survey Format
Five respondents provided negative feedback regarding the survey itself, indicating that portions of the survey were difficult to understand.

The complete set of survey responses is provided in *Appendix D*.

ZONING

The Town adopted Article XVII, Wireless Communication Facilities, in 1997 with the intent to protect the Town's iconic scenic views and vistas while allowing wireless communication facilities that meet the needs of residents and visitors. The article was also intended to promote sensible development standards addressing the appearance, size, and scale of wireless infrastructure, and to establish procedures for the review and approval of such facilities.

Since its adoption, the Town has made limited updates to Article XVII; however, these changes have not kept pace with significant revisions to federal regulations. In particular, the Code of Federal Regulations (CFR), as amended under Title 47, Chapter I, Subchapter A, Part 1, Subpart U, titled State and Local Government Regulation of the Placement, Construction, and Modification of Personal Wireless Service Facilities, established new definitions, approval timelines, and development standards that must be followed by local governments nationwide when regulating both existing and proposed wireless facilities.

As part of the Wireless Master Plan process, the Town has completed a comprehensive update to its Code, including revisions to the wireless facilities section to align with applicable federal standards. Input received through the Town's wireless infrastructure survey has played a meaningful role in shaping revisions to the Town's existing siting preferences and development standards for future wireless facilities.

Among the most notable changes, the revised code allows wireless towers up to 140' in height with administrative approval by the Building and Planning Departments, eliminating the need for separate Special Use Permit approval by the Planning Board. The revisions also reduce setback requirements to align with either the height of the tower or the applicable Bulk Schedule for each zoning district, whichever is more restrictive.

The following tables summarize the most significant code changes, including the updated preferred siting hierarchy established under the revised regulations. *Table 3* highlights the Code edits.

ARTICLE XVII SECTIONS	CHANGES
§ 280-67. Purpose.	Added language acknowledging wireless coverage as a public necessity essential to public safety, employment, education, social connection, and recreation (per survey results)
§ 280-68. Scope.	No changes
§ 280-69. Definitions.	Added 22 new definitions and re-worded several others to be consistent with the CFR for the placement, construction and modification of personal wireless service facilities (PWSF)
§ 280-70. General requirements for all wireless communication facilities.	Added a requirement for a pre-development meeting with the planning department and building inspector; revised the list of location preferences; rearranged and added new development standards in sequential hierarchy

Table 3: Wireless Code Changes Summary

Applicants seeking to install wireless communication facilities must comply with the Town's established hierarchy of preferred siting locations, with option (a) identified as the most preferred and option (j) as the least preferred as shown in the following *Table 4*.

PWSF TYPE	PWSF LOCATION AND/OR DESIGN
(a) Collocation on an eligible support structure not exceeding the definition of substantial change	1) On Town-owned Property 2) In the Right-of-Way 3) On other property in the Town
(b) Collocation on an existing base station or tower exceeding the definition of substantial change	
(c) Replacement of an existing tower to add collocations, improve coverage and/or structural capacity	
(d) New collocation on a new base station with no pre-existing wireless communication facility equipment	1) On Town-owned Property 2) In the Right-of-Way 3) On other property in the Town
(e) A tower	1. Within a one-half mile geographic search ring of potential tower location by design type and height identified in the Wireless Master Plan a. Concealed tower b. Painted monopole c. Non-painted monopole
	2. On Town-owned property a. Concealed tower b. Painted monopole c. Non-painted monopole d. Lattice tower

PWSF TYPE	PWSF LOCATION AND/OR DESIGN
(f) A tower on other property in the LI or LIO Zoning Districts	a. Concealed tower b. Painted monopole c. Non-painted monopole d. Lattice tower
(g) A tower on other property in the MI, MII, B or HB Zoning Districts	a. Concealed tower b. Painted monopole c. Non-painted monopole d. Lattice tower
(h) Replacement of an existing utility pole in the same location as the existing pole for a small wireless facility in the public right-of-way	
(i) New utility pole for a small wireless facility in the public right-of-way	
(j) A new tower on other property in the AC, R-40, R-80, R-120, LB, RO, RR or HD Zoning Districts	a. Concealed tower b. Painted monopole c. Non-painted monopole d. Lattice tower [New tower in single-family districts only allowed on lots used for other purposes]

Table 4: Wireless Code Hierarchy of Preferences

The accompanying *Table 5* lists the potential tower sites identified in the Wireless Master Plan and serves as a reference for applicants when selecting preferred locations under option (e). For each site, the table identifies the recommended tower type and height parameters.

SITE ID	LOCATION	TOWER TYPE	HEIGHT
PM01	East End Fishers Island (Golf Course)	New	140'
PM02	West End Fishers Island (Fire Department)	New	140'
S05 (AKA PM03)	63455 Main Road	Replacement of existing 80' tower with 140' tower	140'
PM04	Cutchogue	New	140'
S12 (AKA PM05)	Cutchogue (Fire Department)	Redesigned from proposed 140' tower with 180‘ tower	180'
PM06	Mattituck	New	140'
PM07	Laurel	New	140'
S09	165 Peconic Lane (aka 41405 Route 25)	Replacement of 145' lattice tower with 199' lattice tower	199'

Table 5: Identified Potential Wireless Facility Locations

New wireless towers within single-family residential zoning districts or recorded residential subdivisions are permitted only on lots used for non-residential purposes and have a minimum lot area requirement of two acres.

If an applicant proposes a site that is not the highest-priority location in the Town's preferred siting hierarchy, the applicant shall submit a written justification report. The report must document that all higher-priority locations were evaluated in sequential order and must explain the specific technical, operational, or regulatory reasons why those locations are not feasible. The applicant shall also describe the hardship that would result if the requested lower-priority location were not approved.

Applicants may not bypass preferred locations by asserting that the proposed site is the only available option. Applications must consider collocation on existing towers, structures, or eligible support structures, and must provide a detailed explanation when collocation is not pursued or is determined to be infeasible.

While the Town may approve a lower-priority site upon a satisfactory showing of necessity and community benefit, approval is not guaranteed. The Town retains the authority to deny an application at any location if the proposal conflicts with public safety or building codes, adversely affects historic resources or neighborhood character, is inconsistent with the intent of the zoning regulations, creates unacceptable risks within the public right-of-way, or otherwise fails to comply with applicable Town standards and regulations.

The following *Table 6* further summarizes the changes to the Code.

ARTICLE XVII SECTIONS	CHANGES
§ 280-70. General requirements for all wireless communication facilities.	Maximum Height in all districts where permitted (excluding R-200, R-400 or AHD): 1. 100' non-painted monopole 2. 120' painted monopole 3. 140' concealed tower [Currently 80' maximum in LI, LIO, MI, MII, B, HB; and 45' in AC, R-40, R-80, R-120, R-400, LB, RO, RR, HD or AHD]
	Setbacks reduced to: Fall zone (equal to height of tower) or the Bulk Schedule applicable to the principal use for that zone district, whichever is greater [Currently 500' from all residential property lines or street and 200,000 square feet of contiguous vacant land restricted from future residential development by deed in R, LB, LO, RR, HD or AHD districts]

ARTICLE XVII SECTIONS	CHANGES
§ 280-71. Required approvals.	Building Inspector and Planning Department can approved the following site plans without a special exception: (a) An eligible facility request (b) Concealed base station (c) A new tower within a one half-mile geographic search ring of potential tower locations identified in the Wireless Master Plan [Currently all PWSF applications require a Special Exception]
	Building permit requiring site plan approval by the Planning Board: (a) New collocation on structures without pre-existing PWSF equipment greater than 10' above tallest point of the building (b) Any application forwarded from the Planning Department for additional review due to aesthetic, siting location or physical safety concerns
	Special Exception approval is required for all other PWSFs
§ 280-72. Special exception approval.	Renamed section from Site plan approval; standards relocated to other sections and renumbered accordingly Removed expiration of Special Exception after five years and renewable five additional years with approval of the Planning Board
§ 280-73. Application fees and requirements.	Renamed section; minor changes, removed redundancies and changed verbiage to match new definitions in §280-69
§ 280-74. Historic buildings and districts.	No changes
§ 280-75. Application approval procedure.	Added new section detailing approval process and timelines for specific PWSFs as required by the Code of Federal Regulations
§ 280-76. Removal; height reduction.	Removed requirement to reduce height if antennas are removed from the top elevation
§ 280-76.1. through § 280-76.5.	No changes except § 280-76.2 edited to harmonize with other changes in the Code

Table 6: Wireless Code Changes Summary

SUMMARY

When considered collectively, the Town's existing zoning standards, current wireless coverage conditions, and responses to the community survey indicate that the existing regulations restrict tower development in areas where improved wireless service is most needed. To address these limitations, the Town revised the Code to allow tower placement within identified wireless coverage gap areas.

This approach is intended to incentivize wireless providers to improve service while enabling the Town to maintain oversight of facility design, screening, and overall compatibility with surrounding land uses and community character. Without this flexibility, achieving comparable fill-in wireless coverage as shown on the macro cell and small cell solution maps would likely require a greater number of towers, resulting in increased visual and land use impacts throughout the Town.

APPENDIX A

WIRELESS DEFINITIONS

WIRELESS DEFINITIONS

For purposes of the Plan the following terms are used throughout and provided as reference as follows:

Bandwidth - A range of frequencies used to transmit a signal. The channel width (bandwidth) affects how much data can transmit per unit time. Each service provider has their own designated finite amount allocated to them by the Federal Communications Commission (FCC).

Base Station - Equipment and non-tower supporting structure at a fixed location that enables wireless telecommunications between user equipment and a communications network. Examples include transmission equipment mounted on a rooftop, water tank, silo or other above ground structure other than a tower. The term does not encompass a tower as defined herein or any equipment associated with a tower. “Base Station” includes, but is not limited to:

- Any structure other than a tower that supports or houses radio transceivers, antennas, coaxial or fiber optic cable, regular and back-up power supplies and comparable equipment, regardless of technological configuration; and

- Equipment associated with wireless telecommunications services such as private, broadcast, and public safety services, as well as license-free wireless services and fixed wireless services such as microwave backhaul and broadband.

Concealment - A tower, base station or utility pole that is not readily identifiable as a wireless communication facility and that is designed to be aesthetically compatible with existing and proposed building(s) and uses on a site or in the neighborhood or area. Some of the types of concealment found in the City are faux dormers, faux facades, parapets, steeples, faux chimneys and unipoles.

Macro Wireless Facilities - Traditional support structures for personal wireless service facilities (PWSF) identified as macro cell facilities consist of multiple provider use towers and base stations. Macro facilities are taller infrastructure usually between 50 and 100 feet in height and have been the most commonly utilized infrastructure over the last thirty years. Macro facilities are considered the backbone of the network and allow service providers the most flexible options when deploying their usable spectrum and providing signal over the greatest area. It also allows the flexibility to target the desired signal to a specific location.

Personal Wireless Service Facilities (PWSF) - Facilities for the provision of personal wireless services. Personal wireless service facilities include transmitters, antennas, structures supporting antennas and electronic equipment that is typically installed in close proximity to a transmitter that provides commercial wireless services.

Radio Frequency (RF) - A range of frequencies that are allocated to be transmitted/received through the air without wires, with the use of transmitters/receivers and associated antennas. Radio waves are generated for fixed and/or mobile communication. A frequency or band of frequencies suitable for use in telecommunications.

Small Wireless Facilities - Small wireless facilities have antennas mounted at lower heights, generally the height of a utility pole. The equipment is mounted on or inside these smaller poles and are interconnected with fiber optic cables which allows for greater bandwidth and faster transmission speeds. For a single service provider, the small wireless facilities are typically spaced every 650 feet, although there are many variations, creating a densification of the transmitting signals for the network. The ideal service area for a small cell is a specified corridor or neighborhood. According to the Code of Federal Regulations a small wireless facility must meet each of the following criteria:

- It must be mounted on structures that are 50' or less in height, including antennas, or on structures no more than 10% taller than adjacent structures. Alternatively, it must not extend existing structures to a height exceeding 50' or by more than 10%, whichever is greater.
- Each antenna associated with the deployment, excluding associated equipment, must not exceed three cubic feet in volume.
- All other wireless equipment related to the structure, including any pre-existing equipment, must not exceed a total volume of 28 cubic feet.
- The facilities must not require antenna structure registration.
- The facilities must not be located on Tribal lands.
- The facilities must not result in human exposure to radio frequency radiation exceeding the applicable safety standards set by the Federal Government.

Tower - Any support structure built for the primary purpose of supporting antennas and associated facilities for commercial, private, broadcast, microwave, broadband, public, public safety, licensed or unlicensed, and/or fixed or wireless services. A tower may be concealed or non-concealed.

Utility Pole - Any pole or structure designed to maintain, or used for the purpose of lines, cables, or wires for communications, cable, electricity, street lighting, other lighting standards, or comparable standards.

Wireless Spectrum - Consists of electromagnetic radiation and frequency bands. The wireless spectrum frequencies used in communication are regulated by national organizations, which specify which frequency ranges can be used by whom and for which purpose. Spectrum refers to the invisible radio frequencies that wireless signals travel over. These signals enable the use of wireless devices. The frequencies used by the wireless service providers are only a portion of what is considered electromagnetic spectrum. An invisible electro-magnetic transmitting and receiving resource determined and defined by wavelengths and found between the audible hearing range and light. The frequencies referenced for this purpose are located in spectrum used for personal wireless services and are only a small portion of what is called the electromagnetic spectrum.

APPENDIX B

MAPS OF POTENTIAL TOWER SITES

INCLUDING ONE-HALF MILE GEOGRAPHIC AREA

POTENTIAL SITE MAPPING

PM01 East End Fishers Island at Golf Course

12/10/2025

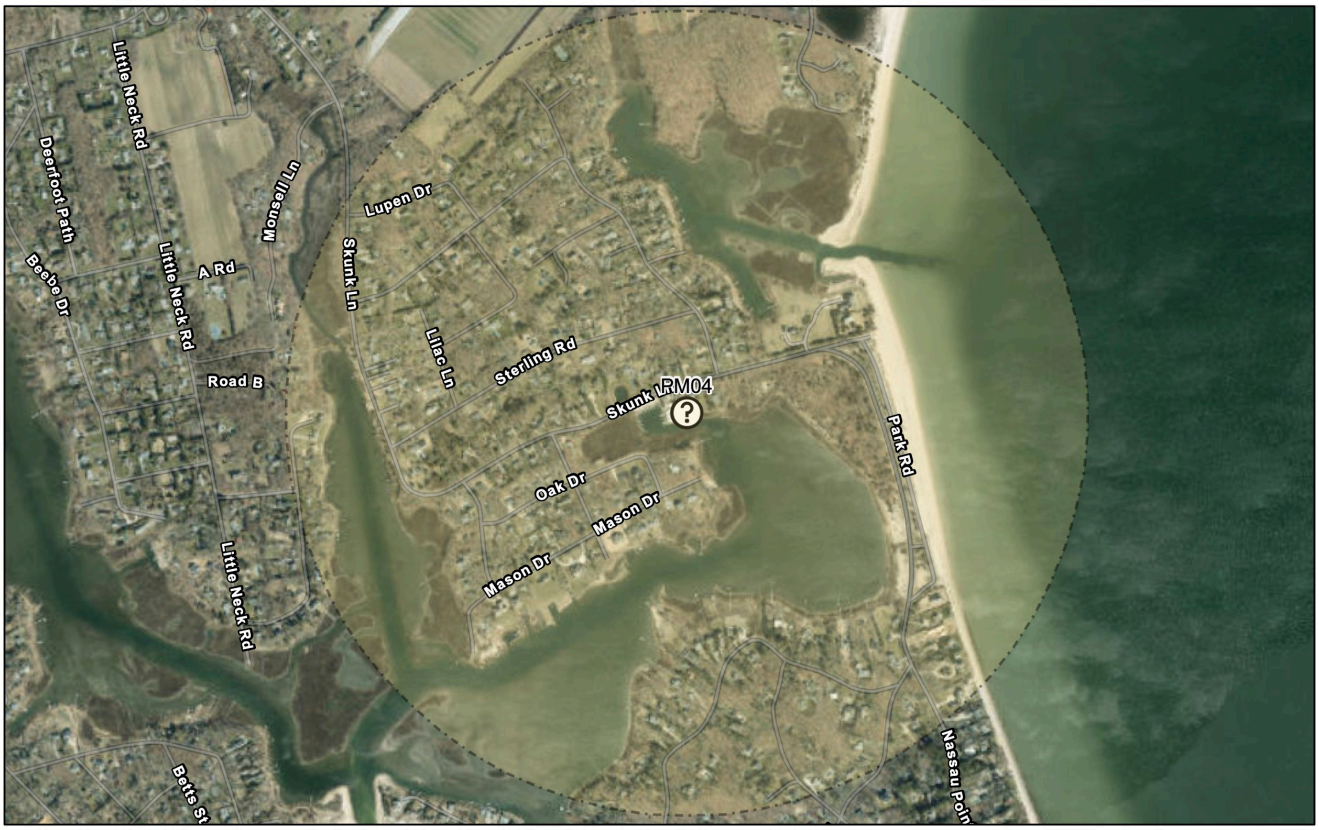
PM02 West End Fishers Island at Fire Station

12/10/2025

S05 Replacement Tower at 63455 Main Road (aka PM03)

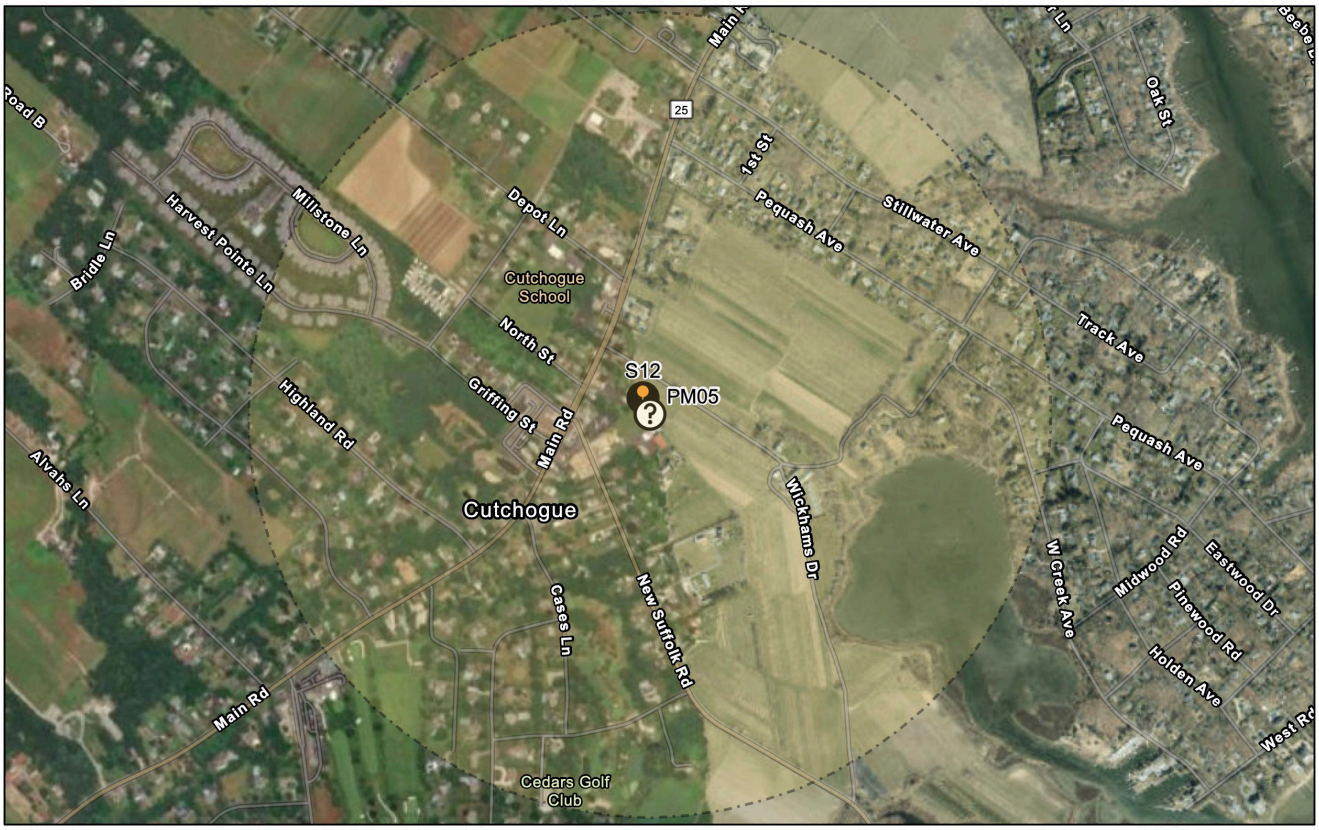
12/10/2025

PM04 Cutchogue on Land Zoned Marine



12/10/2025

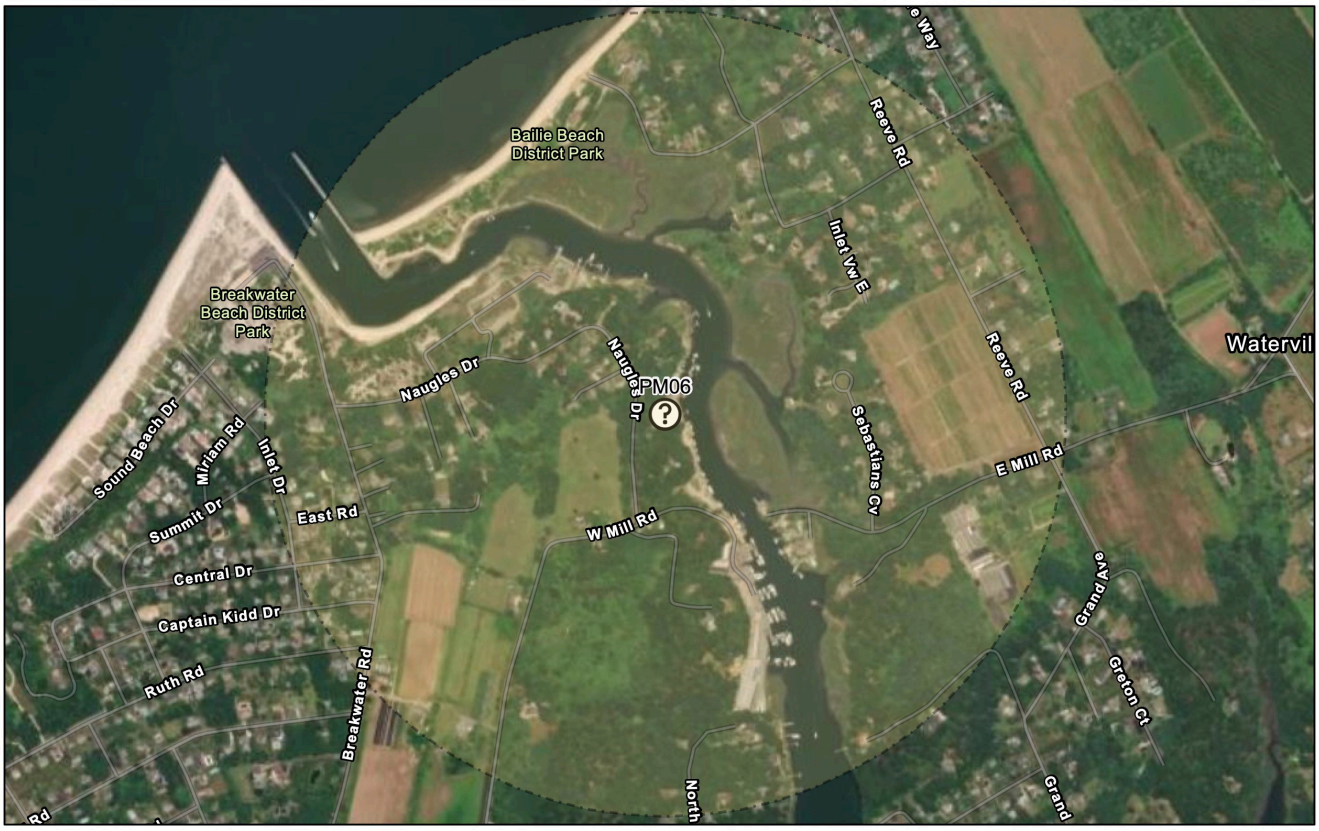
S12 Cutchogue Redesign at Fire Station (aka PM05)



12/10/2025

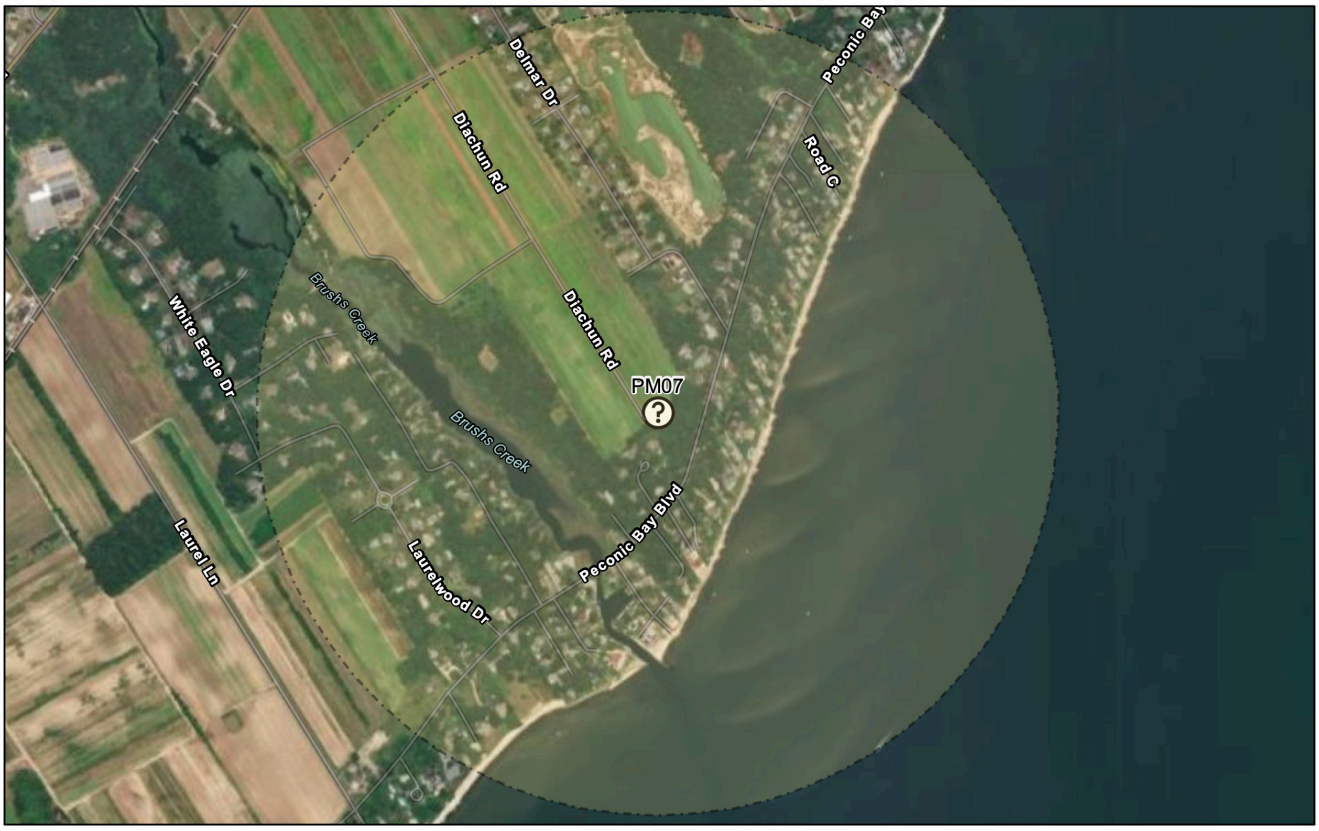
Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

PM06 Mattituck on Land Zoned Marine



12/10/2025

PM07 Laurel



12/10/2025

S09 Tower Replacement at 165 Peconic Lane (aka 41405 Route 25)

12/10/2025

Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

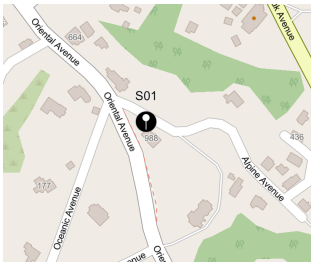
APPENDIX C

WIRELESS INFRASTRUCTURE CATALOG

Site #: S01	233 Alpine Ave	Fishers Island

STRUCTURE TYPE:	Base Station
FACILITY TYPE:	Steeple
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	AT&T Mobility / NYNYNY0801
FACILITY SITE NAME:	Our Lady of Grace Catholic Church
SERVICE PROVIDERS:	AT&T, Verizon
FCC ASR:	
HEIGHT:	49’
LATITUDE/LONGITUDE:	41.261530, -72.014976
SCTM #:	1000-9.-7-10
ZONING:	R-80
NOTES:	VZW going on house behind church

TOWN OF SOUTHOLD NEW YORK



Site #: S02	40200 Main Rd	Orient

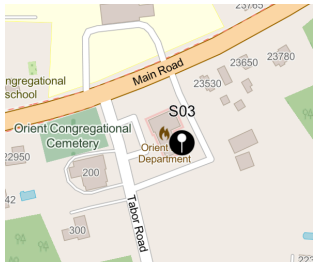
STRUCTURE TYPE:	Tower
FACILITY TYPE:	Unipole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	Octagon Towers / NY-1432
FACILITY SITE NAME:	East Orient Point / Orient By The Sea
SERVICE PROVIDERS:	AT&T, T-Mobile, Verizon
FCC ASR:	
HEIGHT:	89’
LATITUDE/LONGITUDE:	41.152648, -72.244205
SCTM #:	1000-15-9-8.1
ZONING:	MII
NOTES:	LI13882D (TMO)

TOWN OF SOUTHOLD NEW YORK

Site #: S03	23300 Rte 25	Orient

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Unipole
ANTENNA TYPE:	Public Safety/Macro Cell
DESIGN TYPE:	Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	American Tower / 373337
FACILITY SITE NAME:	Orient Point / Oriental Fire Department
SERVICE PROVIDERS:	AT&T, Dish, T-Mobile, Verizon, Public Safety
FCC ASR:	
HEIGHT:	99’
LATITUDE/LONGITUDE:	41.142633, -72.299465
SCTM #:	1000-18-.5-13.8
ZONING:	R-40
NOTES:	NYCENY0735 (AT&T)

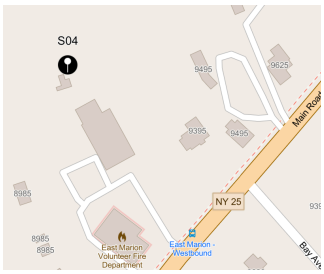
TOWN OF SOUTHOLD NEW YORK



Site #: S04	9245 Main Rd	East Marion

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Unipole
ANTENNA TYPE:	Public Safety/Macro Cell
DESIGN TYPE:	Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	Crown Castle / 857111
FACILITY SITE NAME:	East Marion / Volunteer Fire District
SERVICE PROVIDERS:	AT&T, Dish, T-Mobile, Verizon, East Marion FD
FCC ASR:	
HEIGHT:	115’
LATITUDE/LONGITUDE:	41.128331, -72.341350
SCTM #:	1000-31.-3-11.31
ZONING:	R-40
NOTES:	NYCENY1017 (AT&T); NYNYC02242A (DISH)

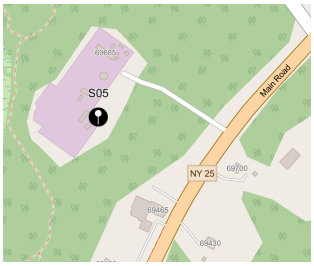
TOWN OF SOUTHOLD NEW YORK



Site #: S05	63455 Main Rd	Southold

STRUCTURE TYPE:	Base Station
FACILITY TYPE:	Utility Pole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	T-Mobile / LI-13-058 / Southold-6841
FACILITY SITE NAME:	PSEG Long Island 8J Southold Generating Station
SERVICE PROVIDERS:	T-Mobile
FCC ASR:	
HEIGHT:	80’
LATITUDE/LONGITUDE:	41.092595, -72.390532
SCTM #:	1000-45.-1-14.1
ZONING:	R-80
NOTES:	

TOWN OF SOUTHOLD NEW YORK



Site #: S06	61405 Main Rd	Southold

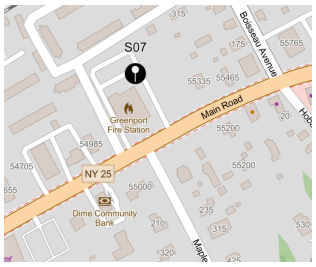
STRUCTURE TYPE:	Tower
FACILITY TYPE:	Unipole
ANTENNA TYPE:	Public Safety/Macro Cell
DESIGN TYPE:	Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	Elite Towers
FACILITY SITE NAME:	Albertson Marine
SERVICE PROVIDERS:	Dish, Verizon, Public Safety
FCC ASR:	
HEIGHT:	150’
LATITUDE/LONGITUDE:	41.076024, -72.406035
SCTM #:	1000-56.-3-15
ZONING:	MII
NOTES:	NYNYC02239 (DISH), Southold 4 (VZW)

TOWN OF SOUTHOLD NEW YORK

Site #: S07	55135 Route 25	Southold

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	Crown Castle / 828062
FACILITY SITE NAME:	Southold Bay / Southold Fire District
SERVICE PROVIDERS:	T-Mobile
FCC ASR:	
HEIGHT:	59’
LATITUDE/LONGITUDE:	41.066484, -72.424265
SCTM #:	1000-62.-1-19.1
ZONING:	HB
NOTES:	

TOWN OF SOUTHOLD NEW YORK



Site #: S08	1040B Horton Ln	Southold

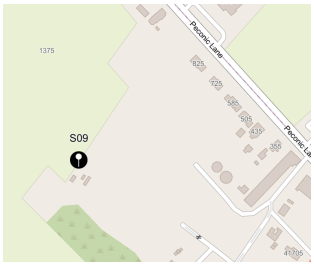
STRUCTURE TYPE:	Tower
FACILITY TYPE:	Unipole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	AT&T / LI-1025
FACILITY SITE NAME:	1040B Hortons Lane
SERVICE PROVIDERS:	AT&T
FCC ASR:	
HEIGHT:	90’
LATITUDE/LONGITUDE:	41.065592, -72.432700
SCTM #:	1000-63.-1-10
ZONING:	LI
NOTES:	NYNYC02239 (DISH), Southold 4 (VZW)

TOWN OF SOUTHOLD NEW YORK

Site #: S09	165 Peconic Ln aka 41405 Route 25	Peconic

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Lattice
ANTENNA TYPE:	Public Safety/Macro Cell
DESIGN TYPE:	Non-Concealed
LOCATION:	Public Property
FACILITY OWNER/ID:	Town of Southold / 326825
FACILITY SITE NAME:	Peconic-6825 / Animal Shelter
SERVICE PROVIDERS:	AT&T, Dish, T-Mobile, Verizon, Public Safety
FCC ASR:	
HEIGHT:	145’
LATITUDE/LONGITUDE:	41.041367, -72.458660
SCTM #:	1000-75.-5-14.1
ZONING:	R-80
NOTES:	NYNYNY0229 (AT&T)

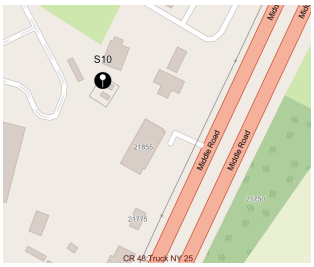
TOWN OF SOUTHOLD NEW YORK



Site #: S10	21855 County Rd	Cutchogue

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
LOCATION:	Public Property
FACILITY OWNER/ID:	Crown Castle / 806579
FACILITY SITE NAME:	NY Cutchogue 958280 / Junge
SERVICE PROVIDERS:	AT&T, T-Mobile, Verizon, MTA
FCC ASR:	
HEIGHT:	112’
LATITUDE/LONGITUDE:	41.029583, -72.497239
SCTM #:	1000-96.-1-19.1
ZONING:	LI
NOTES:	NYCENY1027 (AT&T); LI-13-544-A (TMO)

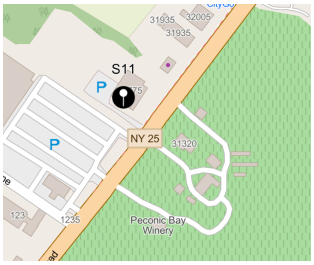
TOWN OF SOUTHOLD NEW YORK



Site #: S11	31775 Main Rd	Cutchogue

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	Town of Southold / 326825
FACILITY SITE NAME:	Verizon / State 42, Switch 77, Cell #85491
SERVICE PROVIDERS:	Verizon
FCC ASR:	1007274
HEIGHT:	92’
LATITUDE/LONGITUDE:	41.019501, -72.480221
SCTM #:	1000-97.-5-11
ZONING:	B
NOTES:	

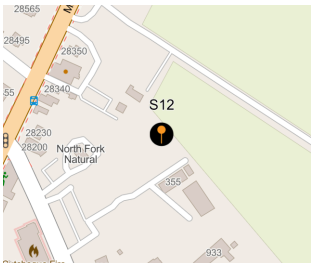
TOWN OF SOUTHOLD NEW YORK



Site #: S12	260 New Suffolk Rd	Cutchogue

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Unipole
ANTENNA TYPE:	Public Safety/Macro Cell
DESIGN TYPE:	Concealed
LOCATION:	Public Property
FACILITY OWNER/ID:	LI Tower Partners
FACILITY SITE NAME:	Cutchogue FD / Cutchogue Fire District
SERVICE PROVIDERS:	AT&T, Public Safety
FCC ASR:	
HEIGHT:	140’
LATITUDE/LONGITUDE:	41.010726, -72.483438
SCTM #:	1000-102.-6-11.1
ZONING:	HB
NOTES:	**PROPOSED UNDER REVIEW**

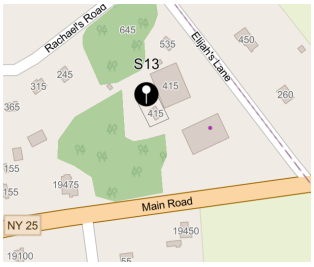
TOWN OF SOUTHOLD NEW YORK



Site #: S13	415 Elijahs Ln	Southold

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	Crown Castle / 843211
FACILITY SITE NAME:	Mattituck / Baxter
SERVICE PROVIDERS:	AT&T, Dish, T-Mobile, Verizon
FCC ASR:	1219856
HEIGHT:	110’
LATITUDE/LONGITUDE:	40.9994649, -72.511223
SCTM #:	1000-108.4-11.3
ZONING:	LI
NOTES:	NYNYNY0228 (AT&T)

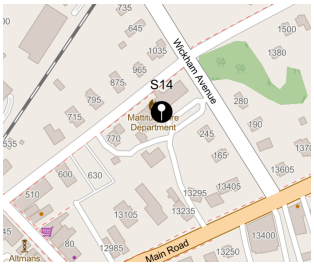
TOWN OF SOUTHOLD NEW YORK



Site #: S14	1000 Pike St	Mattituck

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Unipole
ANTENNA TYPE:	Public Safety/Macro Cell
DESIGN TYPE:	Concealed
LOCATION:	Public Property
FACILITY OWNER/ID:	Tarpon Towers, LLC / NY1066
FACILITY SITE NAME:	Mattituck / Mattituck Fire District
SERVICE PROVIDERS:	Verizon, Mattituck Fire Department
FCC ASR:	
HEIGHT:	129’
LATITUDE/LONGITUDE:	40.992855, -72.533259
SCTM #:	1000-140.-3-11-1
ZONING:	HB
NOTES:	

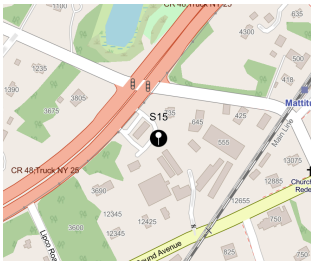
TOWN OF SOUTHOLD NEW YORK



Site #: S15	12585 Sound Ave	Mattituck

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	Crown Castle / 825717
FACILITY SITE NAME:	Mattituck / Amagansett Lumber
SERVICE PROVIDERS:	Dish, T-Mobile
FCC ASR:	
HEIGHT:	100’
LATITUDE/LONGITUDE:	40.991077, -72.538262
SCTM #:	1000-141.-3-38.1
ZONING:	LI
NOTES:	LI13411B (TMO)

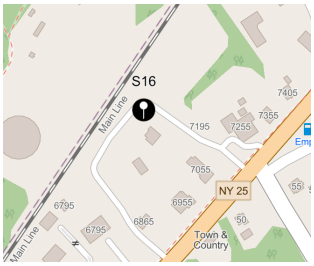
TOWN OF SOUTHOLD NEW YORK



Site #: S16	7055 Main Rd	Mattituck

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Unipole
ANTENNA TYPE:	Public Safety/Macro Cell
DESIGN TYPE:	Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	K2 Towers / NY-3
FACILITY SITE NAME:	Laurel Stone
SERVICE PROVIDERS:	AT&T, Dish, T-Mobile, Public Safety
FCC ASR:	
HEIGHT:	110’ per reviews but had 120’
LATITUDE/LONGITUDE:	40.978832, -72.547133
SCTM #:	1000-122.-6-35.4
ZONING:	B
NOTES:	NYNYC02219A (DISH); LI-03-110-A (TMO)

TOWN OF SOUTHOLD NEW YORK



Site #: O01	Washington Ave	Greenport

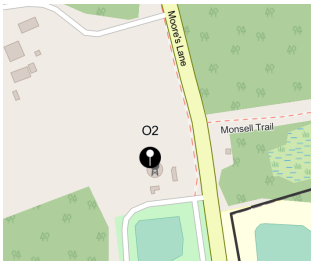
STRUCTURE TYPE:	Tower
FACILITY TYPE:	Guyed
ANTENNA TYPE:	Public Safety/Macro Cell
DESIGN TYPE:	Non-Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	Cablevision Communications
FACILITY SITE NAME:	Greenport-3627 / Village of Greenport
SERVICE PROVIDERS:	DISH, TMO, VZW, Public Safety
FCC ASR:	1033042
HEIGHT:	255’
LATITUDE/LONGITUDE:	41.109385, 72.367776
SCTM #:	1001-2.-1-21.2
ZONING:	R-1
NOTES:	Greenport

TOWN OF SOUTHOLD NEW YORK

Site #: O02	170 Moores Ln	Greenport

STRUCTURE TYPE:	Base Station
FACILITY TYPE:	Water Tank
ANTENNA TYPE:	Public Safety/Macro Cell
DESIGN TYPE:	Semi-Concealed
LOCATION:	Public Property
FACILITY OWNER/ID:	Suffolk County NY - Water Authority / Greenport-9820
FACILITY SITE NAME:	
SERVICE PROVIDERS:	AT&T, VZW, Public Safety
FCC ASR:	1039820
HEIGHT:	159’
LATITUDE/LONGITUDE:	41.103988, -72.373667
SCTM #:	1001-1.-1-1.1
ZONING:	R-1
NOTES:	

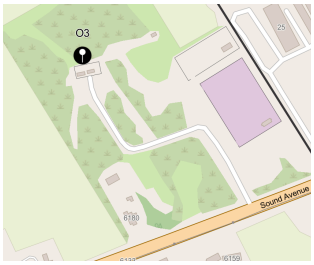
TOWN OF SOUTHOLD NEW YORK



Site #: O03	6180 Sound Ave	Jamesport

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Guyed
ANTENNA TYPE:	Public Safety/Macro Cell
DESIGN TYPE:	Non-Concealed
LOCATION:	Private Property
FACILITY OWNER/ID:	KeySpan Corporation / Riverhead-2509
FACILITY SITE NAME:	National Grid USA Service CO, Inc
SERVICE PROVIDERS:	AT&T, TMO, VZW, Public Safety
FCC ASR:	1002509
HEIGHT:	400’
LATITUDE/LONGITUDE:	40.986397, -72.585156
SCTM #:	1000-33-1-16
ZONING:	
NOTES:	Jamesport

TOWN OF SOUTHOLD NEW YORK



APPENDIX D

WIRELESS INFRASTRUCTURE SURVEY

Town of Southold Wireless (Cell Phone) Infrastructure Survey

773 responses

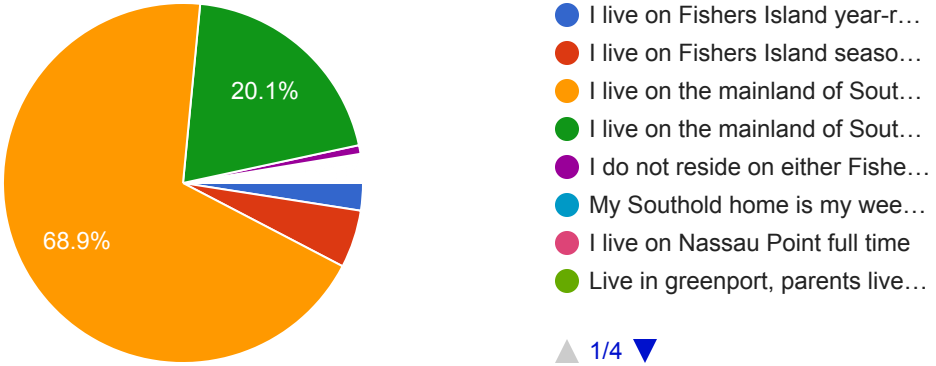
Publish analytics

PART 1

1) Please tell us a little about yourself.

Copy

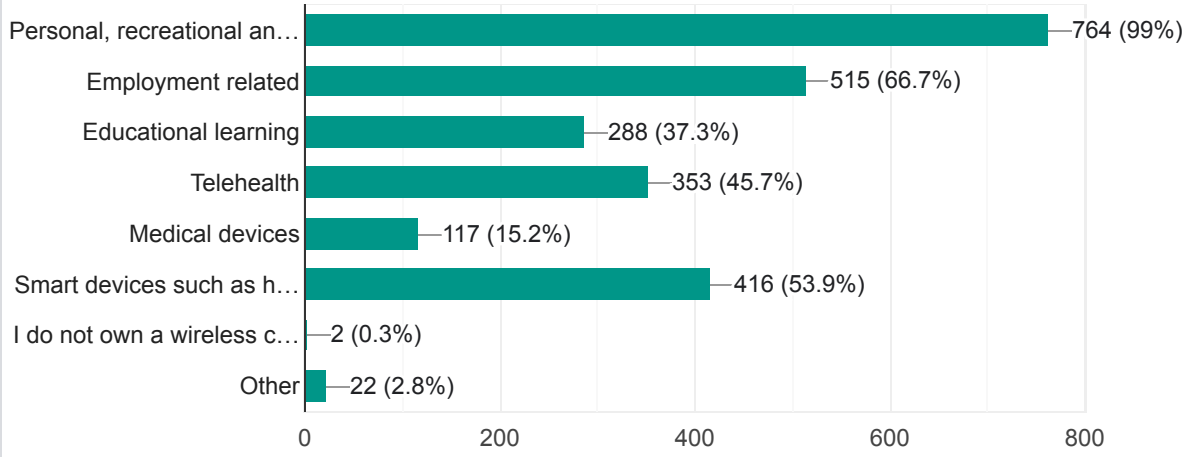
771 responses



2a) I use my personal wireless cell phone services for the following purposes: (check all that apply) (As a reminder, we are not asking about home internet, fiber, or broadband services):

Copy

772 responses



2b) Please add any comments below that pertain to question 2a:

110 responses

Not having reliable cell service makes working from home in the area difficult as phone calls routinely drop

My cell phone is my primary phone and is used for all emergency calls as well as day to day work, social, and medical purposes.

Wireless cell phone service is pretty awful in the Southold area. I have to be mobile with my work and often cannot connect to make or receive calls or access wifi

Southold Town phone

As a local first responder good cell service is critical and currently lacking especially in the bayview area.

Use for emergency

When WiFi goes down I have to go to Dunkin Donuts to get wifi access to see if it’s a service outage.bc there is zero cell coverage in Southold. I am diabetic and live alone. Zero cell service is a serious heath and safety issue.

Critical device!

Muy mobile is my only phone, and it's unreliable where I live

I have a pacemaker which needs to communicate with my cardiologist if I have an episode.

Downtown Southold is where my office is, and as a reltor I rely on my cell phone as my work phone. It is almost embarassing when I have to tell prospective buyers that there is nothing wrong with their phones when they have no signal, there's just no signal! Parts of Mattituck are also horrible. Nothing like losing a call as you drive by Town Hall! Please help!

The only way I can make or receive phone calls is via my cell phone.

sailboat navigation

Can’t contact emergency numbers if needed

I do not have a land line

We babysit our grandchildren 2 days a week so it is important to be able to reach my son and

daughter in law if they need us during the week

Although i have wifi, cellular service is essential to my ability to work remotely.

I use Cablevision as an alternative backup

This is a harmful frequency technology that affects wildlife, insects and humans. People can hardwire. The government has no buisness doing this as your job is actually to protect the people and our property

Access to smart devices at my church (I am a Trustee) to monitor systems at that lo

Once you head down Kenneys road you lose almost all cell service

I work from home and I have a pace maker the app is on my phone to transmit reports to my Doctors wo monitor activity

Its concerning if i have an emergency in southold i would not be able to contact 911 or police.

It can be frustrating and dangerous to be in Southold and either have an emergency or have a relative having an emergency and trying to reach you, or having an important work or personal call and have the call drop or not go through at all. I have had all of those issues over the years.

We do not have a land line phone. We use our mobile phones for all communication

I use my cellphone for EVERTHING. Do not have a landline

Navigation and address verification are part of my job, and made challenging with limited service for GPS.

My cell is for personal and business

Internet and cell service is absolutely key to performing my job

I've learned to use my phone for banking, medical records, bill paying, gps/mapping destinations for appointments, my vacuum cleaner and hearing aides. If I don't know who what when or where I google it. My calendar and connection to family calendars are linked so we can coordinate our lives.

service is good enough

It is my only phone

I'm on a museum board and use it for committee and board business

If cell service were better, I would also use it for smart home connections

Cell phone is a lifeline and acts as a personal computer

My Mom uses Life Alert that requires emergency cell support

Medical emergencies. 2 very ill people

I have very poor cell phone coverage on Oregon Rd in Cutchogue

Communicate with my teenage children

I have no landline

NO MORE CELL TOWERS IN SOUTHOLD TOWN, we are already being bathed in dangerous radiation!! What happened to the studies that were SUPPOSED to be done??!!! We have wireless solar panels, smart meters, smart transformers on utility poles. I don't want ANY MORE radiation!

I use my cell phone for every day life.

Communication, both text and phone, is a key use

The phone (internet) is an extension of your everyday life today

In case of a road emergency

Emergency calling

Communicating.

In addition to using my phone for staying in contact with family, friends, and coworkers, I rely on cell phone connectivity to use apps like ArcGIS FieldMaps in the course of my work on conservation. I also use my phone to access educational resources in the field, like bird calls or plant identification via apps like Seek.

Current wireless availability is dangerous and non existent at times in my home

I run a real estate business on Island and a cell coverage is essential

Emergency calls

Bray Ave, Laurel, not only has a dangerous roadway that's been neglected for over 8 years. The area also lacks consistent cell service, with 1-2 bars on 5g. Pretty sure the current Southold

administration will ignore our area as negligently as the road surfacing issues. No faith whatsoever.

I get no service in southold

Thermostat, banking, volunteering

My wireless is my home phone

Emergency notifications

As cell service is unavailable in our home I can use my wireless phone only with assistance of the internet so when the electricity goes out my ability to use my phone ends

Our cell phones are used for business and residential purposes.

Cell service rarely works where I live on Corey Creek Lane in Bayview Peninsula—and in downtown Southold it's useless. This is dangerous—no ability to communicate in case of emergency, including calling 911–totally apart from being a sham in that I'm paying for service I don't get.

CALLS FREQUENTLY GET DROPPED DUE TO POOR SERVICE

Wireless cell phone service is essential

My doctor s and hospital

Also when driving while on business or personal calls the service is nonexistent .

Shopping, reading/listen to books

I'm retired but do volunteer work

Management of projects for home repairs

Emergency services can't be contacted at times as there is NO CELL Service in soithoy

Calls drop constantly once i step out of my house use

NA

service in southold town is very spotty

To receive emergency notifications as a volunteer fire fighter/first responder

We use cell phones and smart devices to communicate with family, businesses, emergency services (e.g. police)

We have no cell service inside our house and barely any outside. We are in our 70s and have to walk up a hill three blocks in case of an emergency to make a call.

None

Need option of calling AAA and 911

I am self employed with office on Main Rd near IGA and have lost clients (& business) due to lousy, unpredictable cell service at home and work.

My cell service is very spotty at best no 5G sevice and terrible 4G lite even with a booster

With computers in our pockets Town wide cell service is essential.

Most of time I have No service

I rely on my cell phone for work. I do not have a landline.

I also use my cellphone to access all appliances as well as heat/AC.

Cell service sucks. It's the joke around here. "Lost you or can't hear you, you must be in Southold.

Do not have a house phone and cell service is terrible.

We joke in our family that Southold is where cell come to die. It has become a safety issue

however its hard to use it for this with no service.

Cannot dial out or receive calls on weekends… verizon said they changed the tower to 40 miles away from mattituck

No service when we had a fire.

I own a business in the hamlet of Southold. If our internet goes down (which it often does) I have no cell service. I can not ring customers up, I cannot even call optimum. I am completely in the dark and my biz is essentially closed. What if there is an emergency? Also my customers can not call other family members etc regarding purchases so I constantly lose business. They have to literally leave town to text or make a call.

When the population increases in the summer. It’s so much worse.

It’s a critical technology for us. We have little to no coverage and when vendors, guests etc are at or near our home they have no service

my business is in Southold

My wife uses her cell phone, at least eight hours a day for work and has difficulty communicating due to dropped calls and no service in certain parts of the house

Please make it Better :)

I work from home but frequently have dropped calls due to lack of strong cell service. Very frustrating and negatively impacts my job performance

We need cell service badly. Spotty or no reception is hard to tolerate.

No landline at my home

My cell phone/wifi is the only way I have access to any type of emergency services. When my WiFi goes down, I can't call 911 or even the cable company for help and have to go to a neighbors house. It's really scary. A landline won't fix this because that too would go down when my WiFi isn't working. We need to have functional cell service in southold town for our own safety. I would happily look at a big tower anywhere just to know I could call for emergency services or get in touch with loved ones when needed.

Use constantly

This is a public safety issue in the north fork with such spotty service.

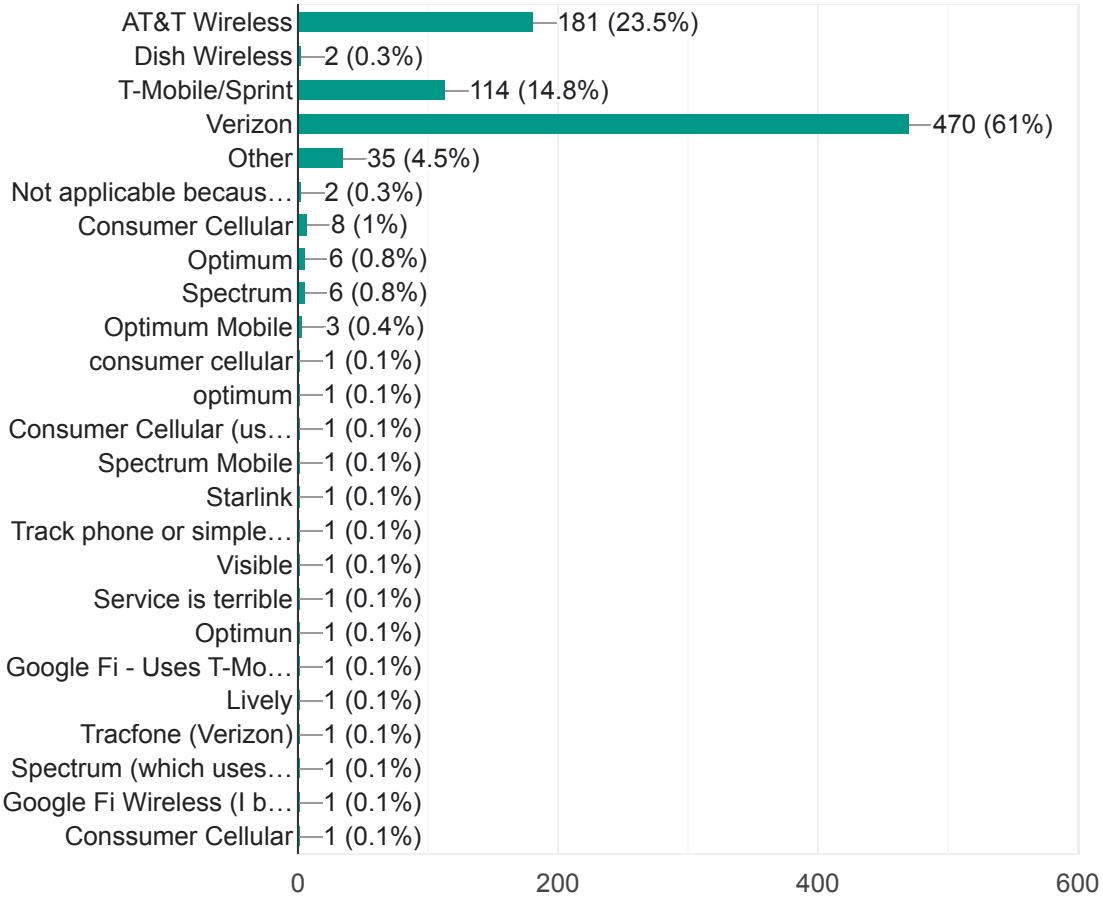
Work at home service is very slow

10 more responses are hidden

3) My Wireless Cell Phone Service Provider is (if you have multiple providers then please mark all that apply):

Copy

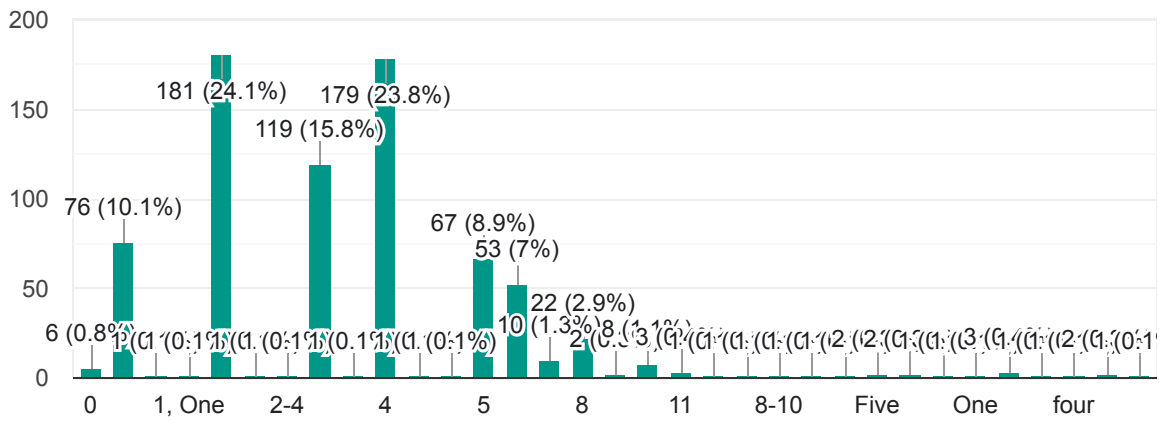
770 responses



4) How many wireless devices are connected to your cell phone subscription plan? For example, cell phones and tablets. Please provide in numerical (not text) format. For example, 4, not four.

Copy

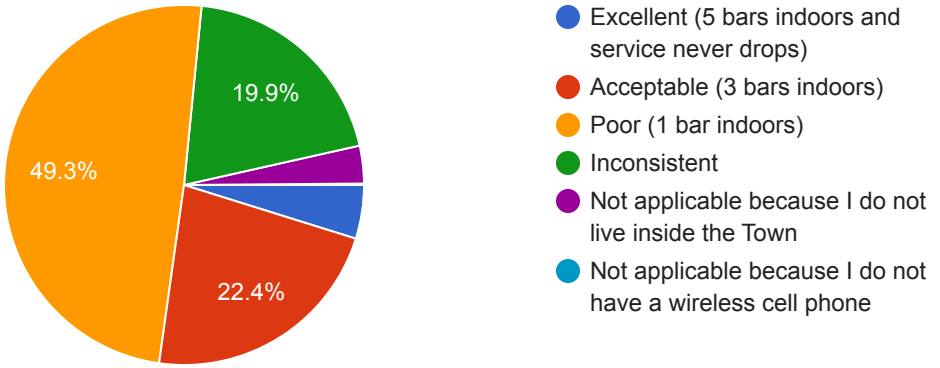
752 responses



5) Rate your wireless cell phone coverage inside your home in Southold.

Copy

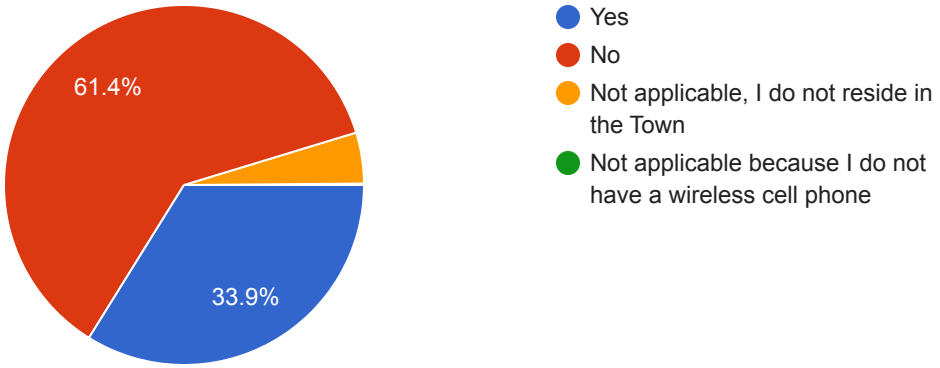
768 responses



6) If you live in Southold, do you use a network extender (booster) from your wireless provider to improve your cell phone service at home?

Copy

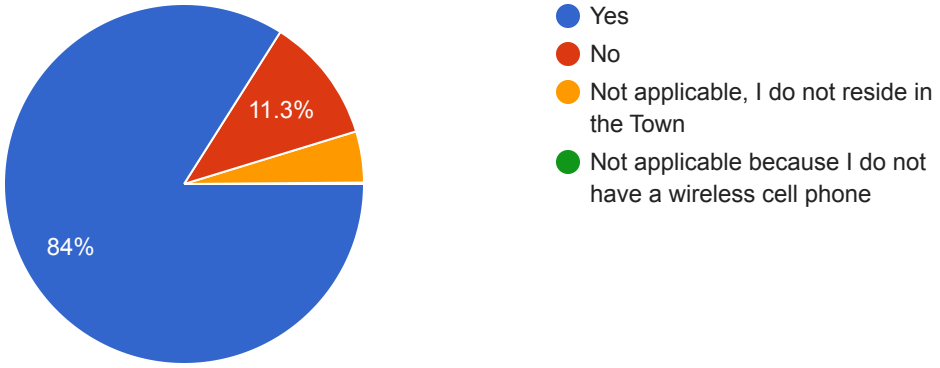
765 responses



7) If you live in Southold, do you rely on Wi-Fi to improve your wireless cell phone service at home?

Copy

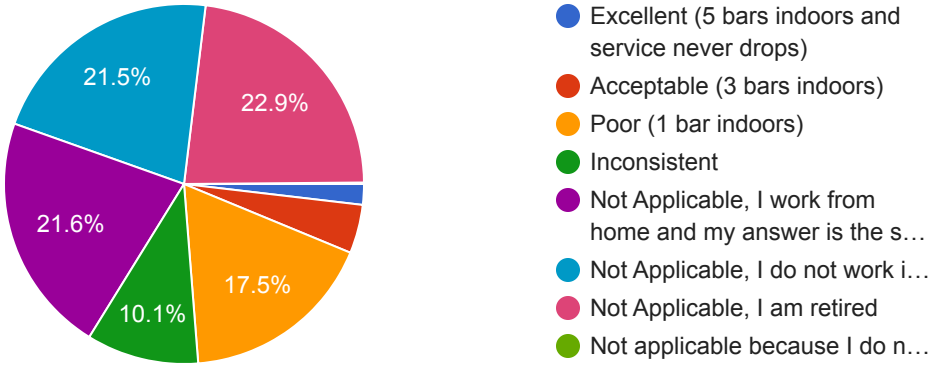
762 responses



8) If you work in Southold, other than at your residence, please rate your wireless cell phone network coverage at your workplace:

Copy

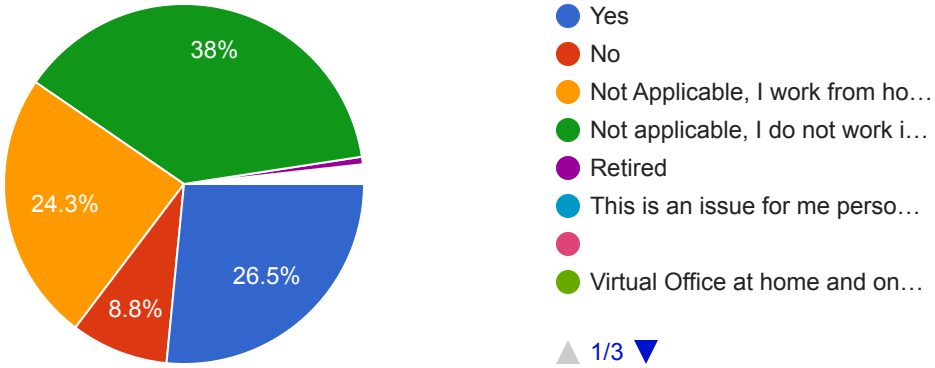
754 responses



9) Do you rely on Wi-Fi to improve your wireless cell phone service at your place of employment in Southold?

Copy

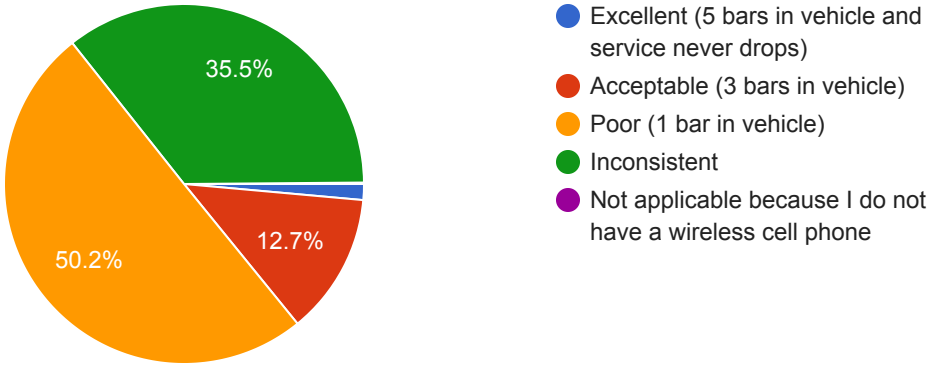
742 responses



10) Rate your wireless cell phone coverage when traveling in and around Southold.

Copy

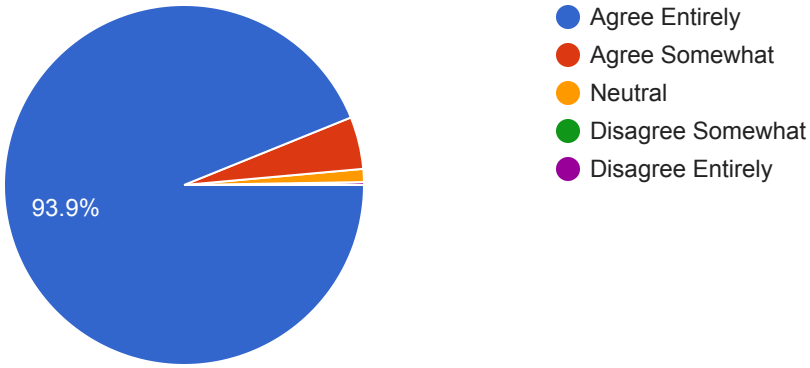
771 responses



11) The quality of wireless cell phone service is important to me.

Copy

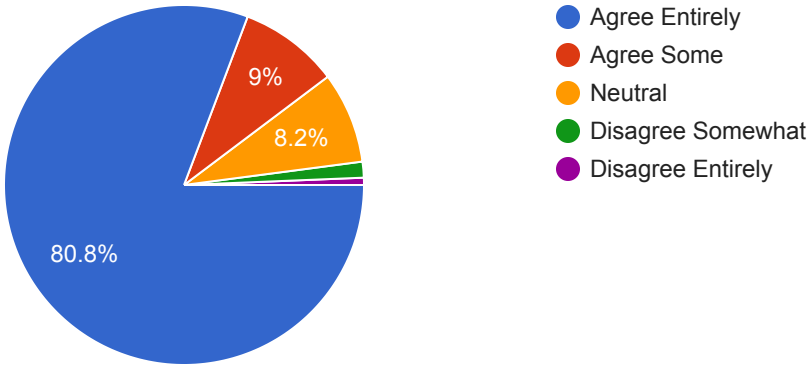
768 responses



12) I would rely more on my mobile device(s) if the network service was better.

Copy

769 responses



13) Are there specific areas of the Town where your service is poor? If so, please provide details below.

636 responses

Nassau Point

Fishers Island

Everywhere

Bayview

Mattituck

Southold

No

Southold Village

Hamlet of Southold

Everywhere

The Bayview area and in Southold town

Mostly all of Southold in stores also.

No Verizon service in Southold Hamlet - cell sites are single provider, excluding Verizon

My home - Goose Creek area

By Southold Town Beach-Norrh Road

Most of Hogs Neck peninsula.

Town Hall

Soundview Ave.; Main Rd by IGA

Main road in the village of Southold and Causeway Beach in Cutchogue

Main Road, entire town

Between Albertson's and IGA to the new north gas station.

Yes in and around the hamlet of Southold both Main Road and North Road.

Main bayview and north main bayview, soundview… essentially all of the pockets off the main road closest to the outer residential streets close to water is where service seems to be limited.

Main road in Southold

Main village area, within a 3 mile radius

Most everywhere

Right in Southold town business center on the Main road, from Chappell tohortons on north road.

Yes main part of Southold town is black hole as well as in and around Soundview areas near Kenney’s rd and Hortons lane

At my home (on Wells Ave near Oaklawn) I am in SOS with no bars. It is also quite poor on Main Street.

From the bend on the main road onwards going east up to North Fork Table is a complete dead zone for me.

Main Bayview Road Peninsula

As you drive through town from South Harbor Road to Chapel Lane on Route 25 the service is terrible. Calls are dropped or you cannot get any service. Also Main Bayview Road from Sophies to Cedar Baach is very inconsistent with dropped calls and no service.

Most of southold. Between peconic and greenport, service is poor to non-existent.

Coverage in town is non existent

Hogs Neck

In the Town of Southold

Town, Palawan and neighboring blocks, town beach and neighboring blocks, paradise point vicinity, bay avenue

Rt 25 by IGA, Southold LIRR station, Soundview Ave

Downtown Southold & Laughing Water

Beixedon Estates & in the middle of town (hamlet) of Southold

Main Bayview heading out to Cedar point

Main Rd

Town Hall Annex, inside and outside

On Pine Neck, Oak Lawn, and Main Road (throughout town)

My house, although I'm half a mile from the East Marion cell tower

Through town in Southold, near town beach in Southold/greenport

The Bayview neighborhood

Yes, Breakwater Road, Mattituck. Nassau Point

Southold hamlet/Town beach area

I get sos when on Main Street and north road in the heart of Southold. It is very concerning with a newborn and when an emergency may occur.

Stores on Main Road (blocks surrounding IGA)

Most of the area has zero reception, not even 1 bar. You should have included options above for zero coverage. I have to use Verizon bc of work, and the coverage is utterly unacceptable and an extender or repeater only works if you have some signal to begin with. SOS level does not help.

IGA Grocery Store and the Kenny’s Beach area

Main st between police station (by dog adoption place and brewery) and town of greenport

Most of Southold is very Poor. From Cedar Beach to the ends of the town.

From just west of main bayview all the way east through town until after country view typically. Specifically annoying when at B of A and IGA.

Anywhere near the water service is bad. Service is bad in my home (1400 Lighthouse Road), and on the streets 2-mile radius around my home. Service is bad along route 48 through most of the town of Southold. I could go on and on....

Everywhere in Southold

Closest to the sound shoreline between Kenney's & McCabe's beaches, route 48 (parts) head east around town beach to Greenport. In Southold town, parts of Greenport Village

Kenneys beach neighborhood

On Main Rd near train station, pharmacy, post office, IGA, etc

On Skunk Lane by Strong's Marina. By town Beach in Southold. We live on Nassau Point and almost the entire area has very poor service.

Southold Village has no service and that sucks.. If I had a medical emergency in the village, I would probably die. Hopefully my husband would sue the town if that happened.

Southold Hamlet Center, North by the Sound (several Towns), Mattituck by the Shopping Center

Service is inconsistent throughout Southold (it is most consistent at the waste transfer station where I have had to go for important business engagements when wifi in my home is out).

Service is poor all over town.

Driving through the hamlet of Southold. On South Harbor Road. In Peconic on the Main Road.

Southold Town, Town Beach, Mattituck

EVERYWHERE

Area around IGA in Southold

Driving on Fishers.

In the entire Southold hamlet

From port of Egypt to ackley pond road

Founders Village Condos where I live

Summit and Miriam Drives, Breakwater just before Nagles Dr Mattituck, all of the Hamlet of

Southold including Town Hall, parts of Laurel

Main road and south

Southold Hamlet

end of Pequash Ave

i can not use my cell phone at all in most of Southold town

Southold Hamlet Center

Narrow River Rd, Orient, Southold: miles of inconsistency or no service

In Southold Town village area

There are dead service spots all over Fishers Island including on the Village Green, sometimes near the Ferry, at The Race, and the beaches, hiking trails, Rec Path, etc. Good, reliable service is important to have in case of an emergency and for general communication..

Every single area of the Village of Southold is terrible service

Inside IGA Supermarket, all across the great hog peninsula and quite frankly it’s not good almost anywhere in the greater Southold township

In the downtown area

Orient Point

Virtually all of Fishers Island has terrible, weak and unreliable service.

All areas of the business hamlet (7-11 through Sophie's Rest)

Southold Hamlet, in IGA. East Marion LI Sound beach areas.

Southold village, Town Beach, fishers island

Parts of Southold; Mattituck; and Laurel

Yes and some of us want to keep it that way!

Southold. Near IGA area.

Highpoint Meadows

Border between Orient and East Marion and Southold Village

Outside of our home in Angel Shores and along Main Bayview until just about Main Road Also around IGA in Southold

In town and main bayview

Traveling down Fishers Island from the West End to the East End

Around town hall and feather hill shopping area

511 more responses are hidden

Part 2

Wireless Infrastructure Images and Coverage Maps

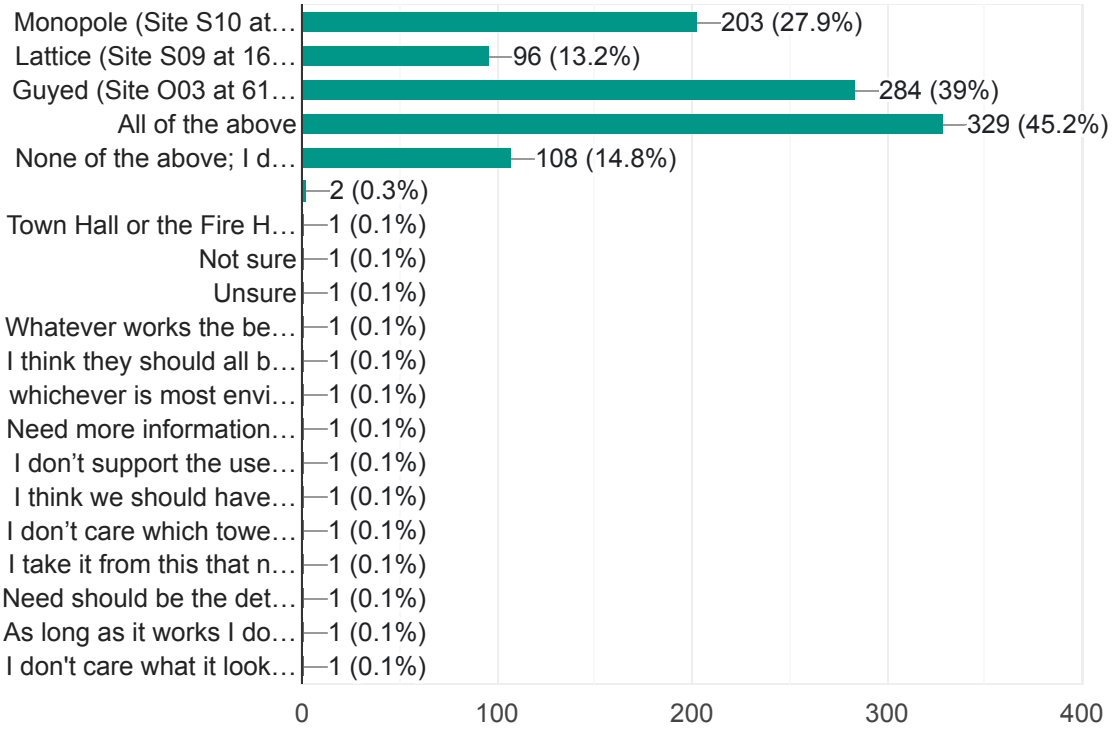
Examples of non-concealed macro cell towers

Copy

Non-concealed infrastructure refers to towers where antennas, ancillary equipment, and cabling are visible. This design offers greater flexibility for collocation, which can help reduce the overall number of towers needed in the Town.

14) Which non-concealed tower facility do you prefer and could support being constructed at future sites in Southold? Check all that apply.

728 responses



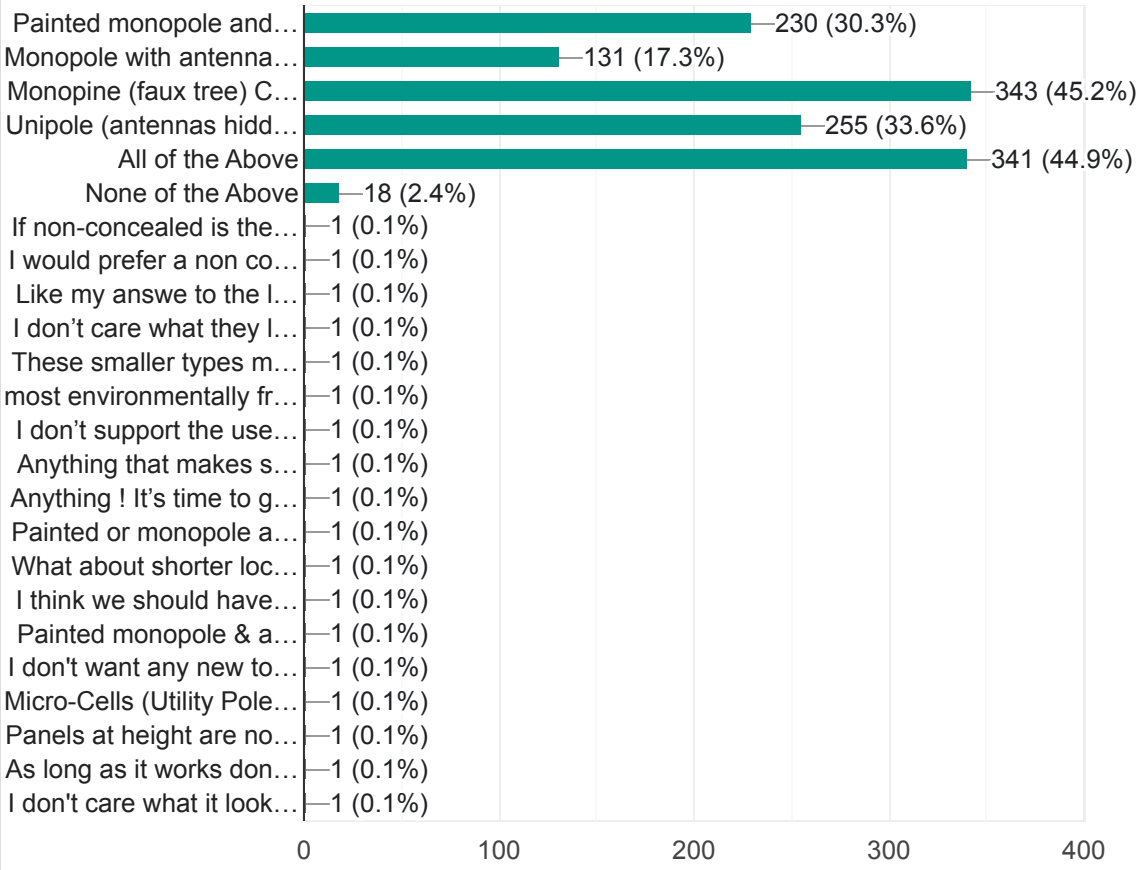
Examples of concealed or visually mitigated macro cell towers

Copy

A visual mitigation measure involves concealing or disguising antennas and equipment to blend with the surroundings. These designs often resemble structures such as trees, flagpoles, or building elements to minimize visual impact. Certain concealed towers like the unipole reduces network operability by 30 percent. Other concealment options are available that do not impact network performance as negatively.

15) Which visual mitigation measures for towers do you prefer and could support for future tower sites in Southold? Check all that apply.

759 responses



Wireless Coverage Maps

Existing Cell Phone Coverage For Southold

The simulated wireless coverage map below is based on 16 existing cell sites and depicts signal strength across all major service providers. These sites either currently support all four wireless providers or have the structural and ground space availability to accommodate additional providers in the future.

Black dots indicate towers and base stations with macro cell sites, while black and red dots represent sites that support both public safety and commercial macro cell equipment. Of the 16 sites, eleven are located on Southold's mainland, and three fall outside of the Town but offers service within the Town.

The map illustrates varying levels of wireless signal strength.

16) Do you have any questions about this map? Click this link for a larger map image: https://drive.google.com/file/d/1a4f0up4JQ94hsjStWAsZ0sQHNDfZePX_/view?usp=sharing

118 responses

No

no

No questions

No

Map does not show coverage by individual providers, i.e. Verizon, T-Mobile, AT&T, etc...

Need more cell coverage

Difficult to see areas of "no coverage"

I don't find this to be accurate. The area where my home is is deemed yellow however I have no coverage in my home.

Those are not correct, very poor service everywhere

No questions

no questions

What about hogs neck?! I live there!

i am color blind. you should send one that allows color vision deficient people to see the datathat

No. Just poor coverage

You can see on the map, Fishers Island has almost no satisfactory cell coverage.

No, it just proves why on the great hog peninsula where I live and walk , there is at best blue and no coverage

As a southold resident, I disagree with the coverage levels indicated. There should be far more space on the map with no coverage.

None

Show the roads for reference. The simulation does not reflect actual experience. Zero bars in the center of Southold hamlet

do any of these even work

Yes, does S508 include Horton Point at the north?

More service needed on sound side of fork.

The lack of coverage on Nassau Point is a real problem.

Difficult to establish exact locations without additional labels

We live near S03 but do not get indoor coverage and I am certain our neighbors do not either

There is not enough detail on this map. Frankly, it sucks.

I think you are over estimating the coverage on this map

Does it significantly improve coverage at 950 Red Fox Road, Mattituck

I don’t support the use of any of these towers! They cause cancer and neurological illnesses!!! STOP PUTTING THESE TOWERS IN SOUTHOLD TOWN!!!

Need tower on Bayview peninsula (Great Hog Neck)!

Does Fishers Island have no coverage, per this map?

It is extremely difficult to see (even enlarged) and to understand what it shows by areas etc.

No service in Southold Shores Blue Marlin Drive

all types

For Fishers it would be blue.

ok

My location is unrecognizable on this poorly presented, low info map.

I don't understand what all the yellow means. All I know is that I cannot make calls or text when I am in the IGA market or shopping around town.

We should have nothing but excellent cell service.

Have we considered reducing wifi coverage?

Horrible coverage to date.

Why is there practically no coverage for Hogs Neck? A lot of residents live there including me

too confusing

Seems inaccurate. As a verizon customer as soon as I leave greenport and until I enter Peconic there is no service. Southold provides no wifi .

No questions. Something has to be done for Hogs Neck!

Provide yellow throughout town

It seems to cover Colonial Village on the map but there's no service at 55075 Main Road.

S14 bailie beach terrible coverage

There is nothing on the hogs neck area or Nassau point

I doubt that good 5G support in volume can be done with so few new towers. Particularly in denser areas and village centers, mid-sized and micro cells must be installed!!!

Doesn't seem accurate.

Not accurate. Coverage is NOT as strong as shown

This is dependent on your provider

This map shows no coverage on Fishers

I live in southeast corner of Hog Neck peninsula which is shaded green = decent in-vehicle coverage and some in-home coverage. This does not reflect the reality on the ground which is poor and inconsistent in-vehicle AND in-home signal strength. We need EITHER a new tower in Hog Neck OR replacement of S08 tower in Southold with a 199' new tower.

It seems inaccurate in Southold main town. There is consistently no service driving down main road.

Where is Horton's Lane???

Seems optimistic of service where I live off Breakwater.

Please provide better indoor coverage for the Peninsulas.

Scenario 1: Macro Cell Wireless Facilities

Scenario 1: Map of Potential New Macro Cell Tower Locations
The map below illustrates the expanded wireless coverage if the suggested new and redesigned macro cell towers referenced above are added.

17) Do you have any questions about this map? Click here to view a larger map image: https://drive.google.com/file/d/1zRt-LI1I7YwYJVVbzp_gHao4UFbJKovA/view?usp=sharing

140 responses

No

no

Map does not show proposed coverage by individual providers, i.e. Verizon, T-Mobile, AT&T, etc...

Don't go to Fishers

No wuestions

no questions

What about hogs neck?! I live there!

Map does not have sufficient resolution to accurately assess locations of proposed towers

It doesn't look like it is giving very good coverage to Reydon Shores, Paradise point, Harbor lights, and all the other areas of the great hog peninsula

Wouldn't improvements closer to Southold Village make more sense to improve service in the business district?

This map does not seem to provide for improved cell service in East Marion.

Does PM06 improve coverage for all of North Mattituck?

None

Bayview appears to be unaddressed

Just fix the terrible reception. Whatever towers are needed to do the job properly.

No...I'll leave this to those who know what theyre doing. I just wouldn't want to sacrifice service elsewhere in the Town of Southold to get better service in the village of Southold. I just want to add not subtract...in the safest ans most beneficial way...and then the least eyesore way...in that order of priority.

I don’t see any solution that helps at our home.

Why not consider using some of the existing structures such as telephone poles for this purpose?

Why isn’t there better coverage on Nassau Point in this plan?

Yes - a tower is. Needed at the fire station at the base of the Bayview peninsula

No as long as unhealthy 'rays' are not put off by the tower

Would there still be dead areas near Great Pond and Kenney's Rd?

Is PM04 in the creek or alongside it?

It doesn’t look like we will see improvements near the northwest corner of the town

Again, not enough detail. But, it appears that the Great Hog's Neck Peninsula will not see any improvement in cell coverage!

I just want to have cell coverage in general but especiallly in case of emergency.

Same answer as above

I don’t support the use of any of these towers! They cause cancer and neurological illnesses!!! STOP PUTTING THESE TOWERS IN SOUTHOLD TOWN!!!

Doesn’t help Bayview area.

No questions

Can’t determine hamlet area where service is poor to non existent in homes

Why is immediate in town southold and the bayview area which is highly populated not addressed in this plan?

Nassau Point still has significant uncovered area..ie white

Everything is too small and difficult to understand

Peconic cutchogue and southold sound front vines have zero coverage and are extremely unreliable and dangerous

I approve the addition of towers for Fishers. I think the tree version is the most attractive.

Scenario 1 looks great!

No, makes sense

I don't see what the improved coverage will be. Sorry.

s11 or 12

Why are there NO towers anywhere near Bayview Peninsula?? That is OBVIOUSLY what is needed.

You gotta put road names on this or some kind of landmark or make it an interactive google map - for all of these

There still is not coverage for Hogs Neck. Why?

too confusing

Why is the area along Bayview Road in Southold not have a proposed tower? Why are the proposed towers so close to the existing towers? Shouldn't the new towers be located in areas where service is poor?

How soon can you do this?

No as long as people have consistent phone service especially in emergencies. Without landlines, the population relies on cell service

Please help! Our friends and neighbors are in the same position as us and we are here full-time and we would like to stay here full-time to age in place, but this lack of cell service has been a real concern. As I said, I've been calling and writing the town for almost 5 years about this.

We need coverage on Hogs Neck!

No questions

It's not easy to decipher where exactly we're looking.

What about Great Hog Neck? Bayview peninsula? Nothing denoted!

Other than the Cutchogue firehouse location, where would the other poles be placed specifically.

Increase height of existing tower and add multiple carriers

again. Hogs neck is not getting attention

By the beach is important for safety purposes

Okay but doesnt seem to address Southold Village issues

PM06 is drastically needed, but make sure it will cover all of Soundview Ave in Mattituck

Okay

Why isn't there increased coverage for the town of Southold itself?

Not a question but I find this map to be overly optimistic about existing cell coverage.

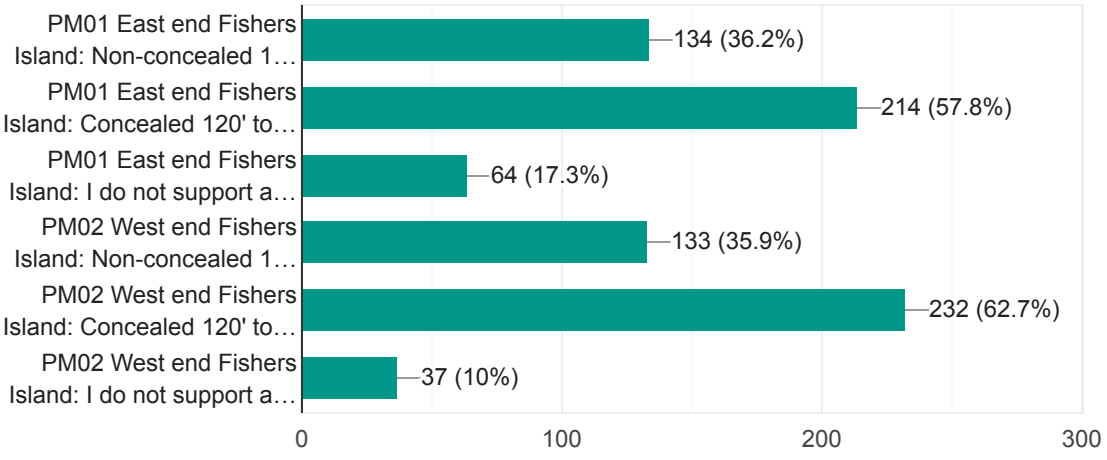
I fully support PM04: Possible 100' macro cell tower to bring coverage to existing areas with weak cell signals

Fishers Island is significantly underserved by the wireless providers. A minimum of two macro cell sites are needed for improve coverage.

Copy

18a) What type of wireless facility would you support on Fishers Island? Check all that apply.

370 responses



18b) Looking at the images in questions 14 and 15, which (if any) tower design type(s) could you support on Fishers Island?

240 responses

All

Any

Monopine

Concealed

Faux tree

No preference

NA

Unipole

Monopole

Yes

Painted monopole

I don't care

All/Any

concealed

15

PM02

Na

all

Pm01

Concealed towers

I don’t live there

The ones that work,best - everyone wants what looks best, but it has to work!

Anything that works well

Towers from question15

Tree concealed

Any concealed tower

Concealed Macro &

Monopole, monopole, unipole

all good

dont live there

I don’t live there. Have no comment.

I haven't been to Fisher's island so I can't comment

Pm02

In this day and age there’s no valid reason/excuse not to have full coverage everywhere. Especially with the taxes we pay.

No opinion

Painted monopole or monopine

concealed 120' towers

I have no opinion

Simple unipole

All non-concealed; concealed - painted, monopine, and unipole

Monopole, Painted, monopine

Not applicable. I do not live or work on Fishers Island.

I don't live on Fishers Island and wouldn't presume to tell the people who live there what to support.

Any kind would be fine

I would rather not see any towers. I can live with the existing coverage. Base mounted towers on existing utility poles are acceptable.

Painted to conceal or tree design

Would multiple top of existing telephone poles be an option?

Monopole and non concealed

Any that experts think would work best, be the safest and help the most people.

literally any design it doesnt matter we just need service

Giyed and monopine

I don’t care.

Since I live on Nassau Point, it should be left to the people who reside on Fisher's Island to decide

N/A I don’t live on Fishers Island

Not interested. Never been there.

I do not live there and feel I should let the people who do have that decision.

Concealed mono pole

I’d support any because the service is terrible here and it’s always been an issue.

Unipole

Whatever has widest coverage. Why they need 5 new towers when only 53 people live there year round is the better question.

Conealed

Non-concealed, Macro

I don't live there so I think my opinion is not meaningful, but I do feel safety (i.e., due to good service) is paramount

Prefer concealed towers but am ok with any design at an existing industrial site like a fire station.

any of them

fake monopine tree

Concealed with fake tree

I am not an FI resident. My opinion should not be relevant.

I don’t support the use of any of these towers! They cause cancer and neurological illnesses!!! STOP PUTTING THESE TOWERS IN SOUTHOLD TOWN!!!

Leave this to the folks who live there.

Any option that makes the service better and covers the full island

Use of existing telephone pole or something near firestation. Hidden fake tree pole

Macro

Southold is underserved too

Unipole (antennas hidden from view)

unipole

Obviously I’d prefer the concealed towers for aesthetic reasons, but at the end of the day, having cell service is more important and I’d support that in any form.

any type of tower

O

painted monopole

The concealed tree version.

I defer to whatever the residents of FI want

monopole with concealed antennae

Image 14

Monopine Faux tree

Fake tree

Faux tree and unipole

monopine

I think we should have a large tower on the Naval Property to the east of the Hay Harbor Golf Course. At the highest point possible.v

monopole, guyed or unipole

Concealed types

PM01

Any are fine

Anything to improve cell service as I do not find the towers to be that problematic. There is plenty of beauty to see in our area regardless of tower placement.

Whatever is needed for best service

Painted monopole and antennas (equipment painted to blend with natural background).

ALL

monopole

Both 17 and 18

None

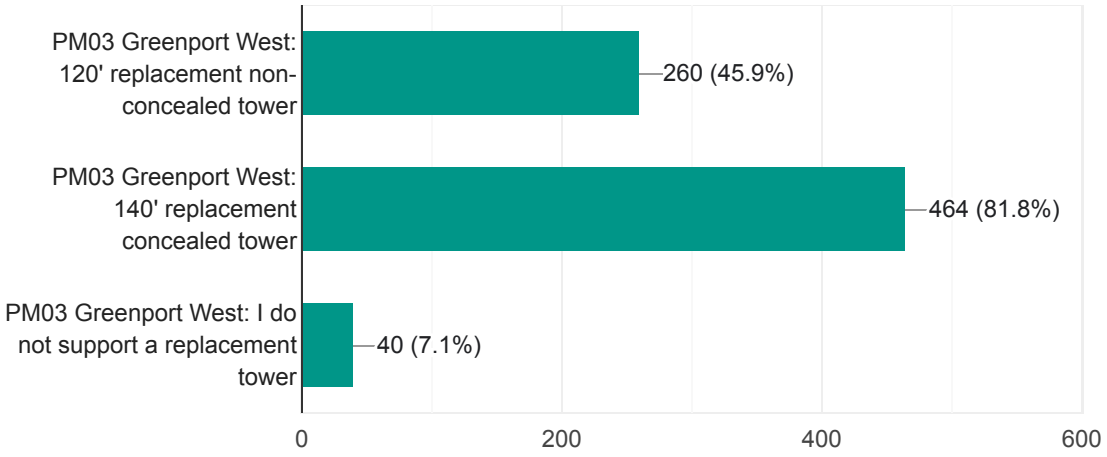
79 more responses are hidden

The existing site at 63455 Main Road (Site S05) is a single-tenant facility on an 80' wooden utility pole that cannot support any additional collocations. Replacing the utility pole with a new tower would allow all service providers to install thier equipment in this location.

Copy

19a) What type of new wireless facility would you support at this location? Check all that apply.

567 responses



19b) Looking at the images in questions 14 and 15, which (if any) tower design type(s) could you support in Greenport West?

253 responses

All

Any

Concealed

Faux tree

Unipole

Monopine

Pm03

all

PM03

Concealed tower

No preference

Painted monopole

concealed tower

any

painted monopole

All/Any

15

Either

Any

Monopole

Any of them

unipole

Doesn’t matter to me

Again,the one that works best

Na

Please just help expand wireless coverage, it is so bad right now.

Towers from question 15

Tree

Concealed macro

Tree covered

Monopole, monopole, unipole

any kind

Whichever works best

I support any solution that provides connectivity.

Any of the designs in 15

any

Idc

14-monople and guyed; 15-painted monopole, monotone and unipole

All designs

Anything to improve service!!!!

Painted monopole or monopine

any of the above

concealed

Whatever it takes to bring the area into 2025

Concealed - painted or monopine

Monopole, painted, monopine

Not applicable.

I don't know where this location is, and am still unsure after googling the address. Is it at the Stoutenburgh Preserve? The precise location matters. Not a fan of putting it in a nature preserve.

Same

This question Is REALLY poorly done: too much scrolling and very confusing - would it have been that hard to post the photos again?

14 Monopole

Any tower I would be satisfied

Lattice

Painted to conceal or tree design

Any type of tower

we need service who cares what it looks like

Guyed and monopine

non-concealed macro cell towers

Concealed tower.

Both

the tree style

concealed Mono pole

Monopole

as concealed as possible

Non-concealed, 120' Macro

monopole with antennas concealed behind panels

Any except the fake tree; those are hideous.

All designs are ok at this site because the site is already so industrial looking.

any of them

Concealed by fake tree

I don’t support the use of any of these towers! They cause cancer and neurological illnesses!!! STOP PUTTING THESE TOWERS IN SOUTHOLD TOWN!!!

Monopole or lattice

Any option that make it better and gives full coverage of Southold. Usage will only increase in the future. Every day life.

Macro tower

I don’t care just get us connected and working

Anything to improve coverage

unipole

Concealed

any type of tower

Hybrid Macro and Small Wireless Facilities

NOn concealed

taller non-concealed tower - concealing looks fake!

Honestly, whatever brings the best coverage for the area. It's not clear to me if this would extend to the center of Southold on Main Road, or outlying areas like where I live, but this is the

tower closest. So I would would support any/all towers proposed here.

Tree version or a monopole.

monopole like Site S10 at 21855 Country Rd; or a painted monopole; the other options are not effective enough

Whatever gives best coverage

monopole with concealed antennae

Image 14

unipole and monopole concealed

Any—just add as many as possible

All types.

Whatever is needed for best seevice

Fake tree

ALL

monopole

Guyed and Monopine

none

Concealed Tower

Faux pine, and monopole

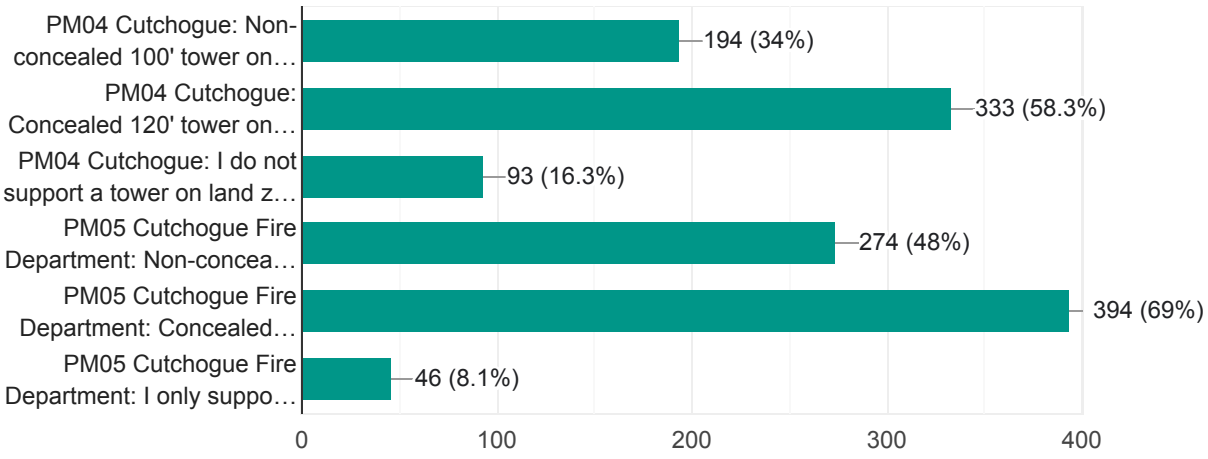
I could support one of the concealed versions

57 more responses are hidden

20a) What type of wireless facility would you support in Cutchogue? Check all that apply.

Copy

571 responses



20b) Looking at the images in questions 14 and 15, which (if any) tower design type(s) could you support in Cutchogue?

246 responses

All

Any

Concealed

Unipole

Monopine

any

Monopole

Faux tree

unipole

all

concealed

Concealed

All/Any

15

PM05

painted monopole

Any

No preference

Pm04

Doesn’t matter to e

Na

Anything

Concealed or partially concealed

Tree

Any concealed tower

Concealed macro

Concealed tree

Monopole, monopole, unipole

any kind

Whichever works best

Any in 15

Any type

Pm05

same as 19b

All designs

Anything to improve service

Painted monopole

fax tree, uni pole

Painted monopole or monopine

Monopine (faux tree)

any of the above

PM04 & 05 concealed

All

All non-concealed for FD; Concealed - painted, monopine, and unipole

Monopine, unipole

Monopole, painted, monopine

They can put whatever the hell they want on Nassau Point. No one goes there. CFD is a great site too.

We really need this. Coverage on Nassau Point is non-existent.

Either

Same

This question Is REALLY poorly done: too much scrolling and very confusing - would it have been that hard to post the photos again?

14 Monopole

anything that works

Concealed as indicated above.

Painted to conceal or tree design

Any type will suffice

Up to the experts

we need service regardless of what it looks like

Guyed and unipole

non-concealed macro cell towers

PM03

Concealed.

the tree style

Use existing sites or public land whenever possible.

Monopole

whichever is most environmentally friendly

nothing

Cancelled-tree

non-concealed, Macro

At the FD, any type. At site PM04, since it's so close to residences, any of the concealed designs except the fake tree.

concealed

I always prefer concealed designs except at industrial locations like the Fire Department. I am ok with all designs at the Fire Department.

Painted mono ploe

any of them

None of these will help me because we’re on the Sound.

Concealed with fake tree

I don’t support the use of any of these towers! They cause cancer and neurological illnesses!!! STOP PUTTING THESE TOWERS IN SOUTHOLD TOWN!!!

I don’t care. I just want service.

Yes any option that gives full coverage

Macro

I don’t care just get us connected I don’t care just get us connected.

Faux tree or painted tower

concealed, guyed, lattice

unipole

Service is needed desparately in this area

any type

Hybrid Macro and Small Wireless Facilities

larger non-conceal

I think whatever brings the best coverage and doesn't make residents too upset.

I am on Fishers

monopole like Site S10 at 21855 Country Rd; or a painted monopole

Image 14

unipole and monopole concealed

monopine

Any—add as many as possible

All types as cell service is of paramount importance to an area with an aging population like Southold.

Whatever is needed for best service

TREE SHAPE

monopole

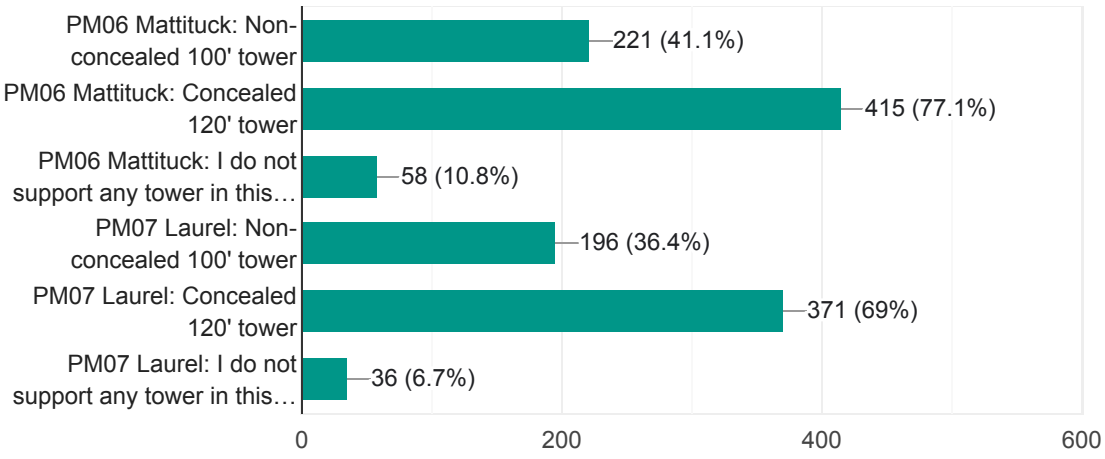
The one I picked.

64 more responses are hidden

21a) What type of wireless facility would you support in Mattituck and Laurel? Check all that apply.

Copy

538 responses



21b) Looking at the images in questions 14 and 15, which (if any) tower design type(s) could you support in Cutchogue?

256 responses

All

Any

Concealed

Monopine

Unipole

any

Concealed

concealed

Faux tree

Monopole

all

15

Pm06

Monopine

unipole

No preference

Tree

All/Any

painted monopole

monopole

Any of them

Concealed tower

Doesn’t matter to me

Any - but I prefer concealed at all locations

Na

Anything

Concealed or partially concealed

All concealed towers

Concealed macro

Concealed tree

Monopole, monopole, unipole

any kind

Whichever works best

any type

same as 19b

All designs

Any type to improve service

Painted monopole

Painted monopole or monopine

Monopine (faux tree)

any of the above

concealed for both

All non-concealed; concealed - painted, monopine, and unipole

Monopine, unipole

Monopole, painted, monopine

I wouldn't support anything that primarily helps people on yachts get cell service.

PM07

Either

Same

Any

Any that will give i us good cell phone service That's YOUR decision

This question Is REALLY poorly done: too much scrolling and very confusing - would it have been that hard to post the photos again?

14 Monopole

anything that works

Lattice

Concealed as indicated above.

Painted to conceal or tree design

Tree concealed

Up to the experts

doesnt matter which we need service

non-concealed macro cell towers

All

PM06

Guyed-Monopole-Monopine

the tree style

Monopole

-

Non-concealed, 100' Macro

monopole with antennas concealed behind panels

I think you mean Mattituck and Laurel, since there was already a Cutchogue question. For Mattituck and Laurel, since these appear to be residential areas, I prefer a concealed tower design but not the fake tree.

Concealed only.

Same answer as above

Anything but lattice

I don’t support the use of any of these towers! They cause cancer and neurological illnesses!!! STOP PUTTING THESE TOWERS IN SOUTHOLD TOWN!!! DO THE STUDIES AND USE INDEPENDENT STUDIES!!! See RFK jr’s Website for studies already done!
You don’t want the truth! It’s all about the money , and corruption!

Same as previous question! Do you mean Mattituck and Laurel? Then painted monopole.

Sane answer as above. Anything is better than today

I dont care just get us connected

Same as above

Faux tree or painted

Any type of tower

Hybrid Macro and Small Wireless Facilities

non-concealed and taller

Again, I'm really open to any of the designs - just not the fake tree one!

I am on Fishers

monopole like Site S10 at 21855 Country Rd; or a painted monopole

Whatever gives best coverage and assists with Police and Fire communication

Image 14

unipole and monopole concealed

PM05

Same answer

All types as cell service is of paramount importance.

Whatever it takes for best service

monopine tire flux

concealed monopole and tree

TREE SHAPED

Anything. Just do something that will really work all the time.

I don't live in cutchogue.

Guyed and Monopine

none

Monopole and monofaux

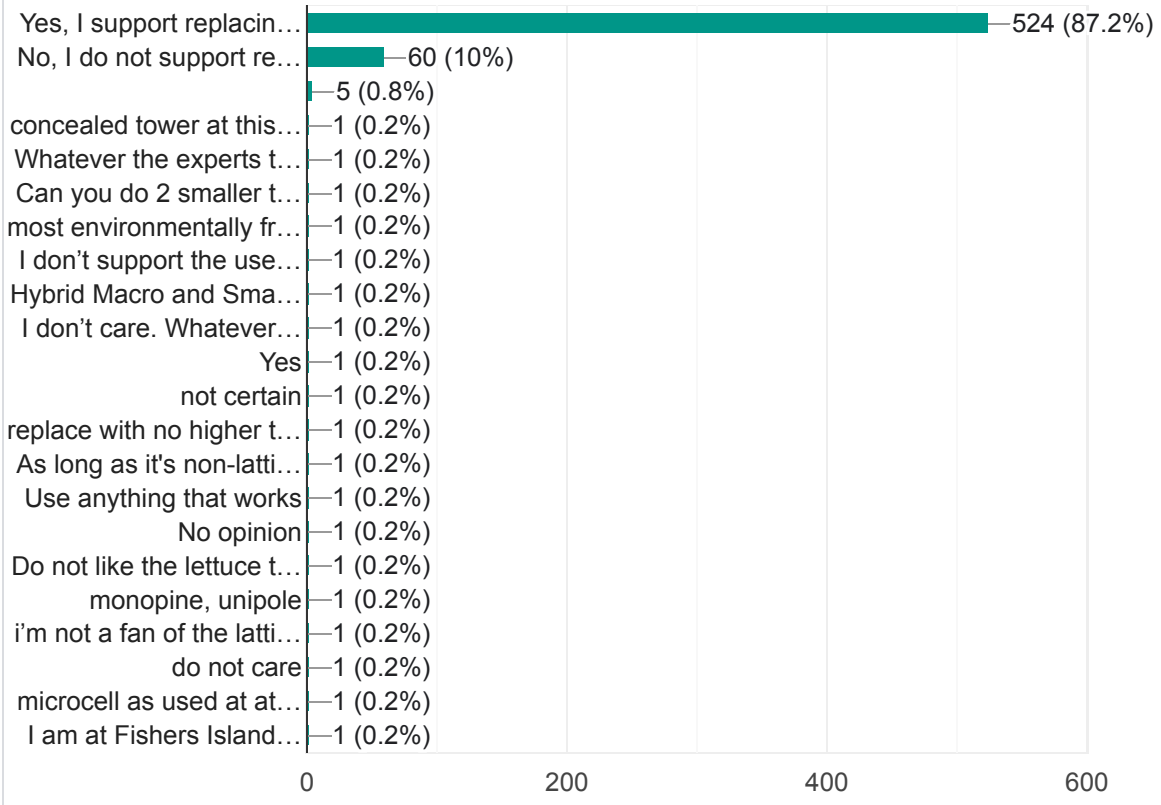
63 more responses are hidden

Replacing the existing 145' lattice tower at 165 Peconic Lane (aka 41405 Route 25) (Site S09) behind the Animal Shelter to a 199' lattice tower would help to fill in gaps, improve coverage and network capacity to the entire Peconic Hamlet area especially along the Long Island Sound as shown in the mapping below. The map on the top is the current predicted coverage at 145' and the map below is the improved predicted coverage at 199'.

Copy

22) Would you support replacing the existing tower with a taller tower in this location?

601 responses

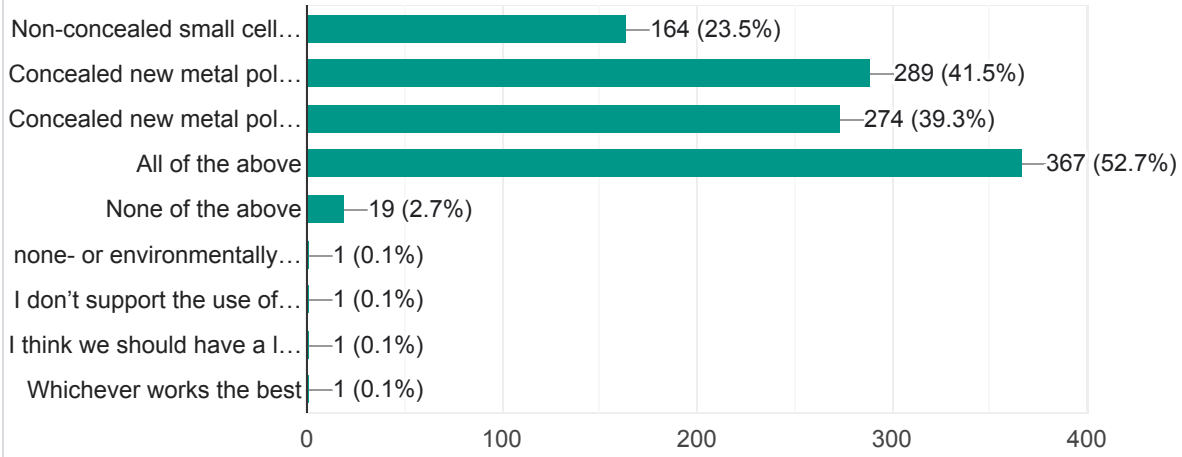


Small cell wireless facilities

Copy

23) Small cell facilities can be concealed or non-concealed. Which small wireless facilities do you prefer? Check all that apply.

697 responses

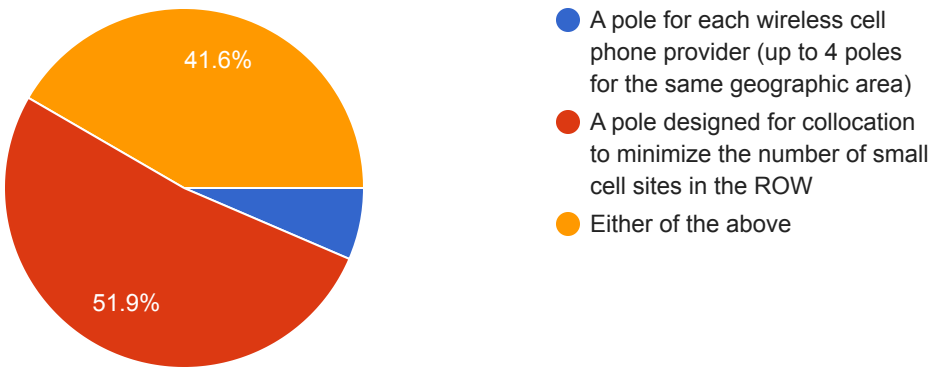


Copy

Most small wireless facilities serve a single tenant. Local government cannot require the providers to share the same pole but the Town could identify a multiple-tenant pole as a preference. Keep in mind, a multi-tenant utility pole may need to be larger and will have more equipment on and around the pole as compared to a utility pole with one cell phone provider.

24a) Which small cell facilities in the ROW, which do you prefer?:

682 responses



24b) Please add any comments below that pertain to question 24a:

72 responses

None

Please just improve service in any way possible. I don't care what it looks like

Myrtle Beach uses small cell. Barely notice them.

shared poles are better

This is all very confusing. People just want more power

whatever system will improve cell service here

Whatever works best to solve our current and future needs

No d

There is enough secluded areas on the great hog peninsula to easily use these where no one would see them.

Whenever possible, macro cell technology should be deployed and Town of Southold should discourage use of small cell technology which is not only an eyesore, but less reliable/capable. In my opinion, it is better to identify a handful of macro-technology areas and only rely on small cell technology when absolutely necessary.

The town is responsible for putting out health information. Tge town will be liable for damages to wildlife and man.

cool idea

I would prefer to see existing poles and pole locations used. Do not add additional poles even if they are close to existing poles. Existing poles could be replaced with poles that are up to 10 feet taller

I don't think we need more towers. I think we need less people. When there are less people service is fine. Maintain what we have and keep it concealed so it's not an eye sore but we certainly don't need more of them.

Please help Bayview with service

Cell service is so bad and so important to the way we live and do business whatever we can do

I'll accept

I support anything that will get me better service!

On public land or in existing locations

I saw these in Myrtle Beach SC, After a short period of time, people don't notice them.

most environmentally friendly is what matters most to me

The fewer poles the better, but good coverage is important

I prefer fewer poles and collocation but we need better cell service, and I suspect this is the only way to get it on Great Hogs Neck. Whatever you need to do to improve cell service, you should do.

I will switch service to whatever single tenant pole is added in our area

I don't support the use of any of these towers! They cause cancer and neurological illnesses, amongst other things !!! STOP PUTTING THESE TOWERS IN SOUTHOLD TOWN!!! DO THE STUDIES!!!!
My family's health is MORE IMPORTANT than cell phone coverage!!!

Plan for the future. Tomorrow usage will increase for everyone in everyday life.

Prefer no small cell

Least noticeable

have safety aspects investigated?

4 poles in one spot seems a bit wild, but honestly, I'll take whatever we need to do to improve cellular service in a given area.

Reliable coverage is a necessity, and the current coverage is terrible -- not to mention dangerous. We can't have both robust coverage and attractive poles. I vote for coverage over attractiveness.

As long as they are on existing utility poles, why not use multiple poles.

I think we should have a large tower on the Naval Property to the east of the Hay Harbor Golf Course. At the highest point possible.

While collocation would be better, service is so terrible that any improvement is critical. Therefore not answering question 25— anything is acceptable

Our poor cell service makes this an important health and safety issue that has been delayed for way too long. I plan to vote in new officials if our current ones keep dragging this out; our health and safety deserve better.

We need cell service but if can be done without multiple eyesore poles on private property that is preferred by me

Consistent reliable service is the issue. I will be happy with ANY solution that provides that.

I live in Southold Hamlet, what is being done here? We have lousy coverage!!

neither of those, none - don't do it - why isn't that an option?

We need cell service!!!

We need to minimize the poles we have! We should eventually consider putting our poles underground.

We need cell service ASAP it’s a health and life safety issue

No preference

No comments

the tallest and most efficient to ensure coverage, especially for first responders

Do any of these solutions address lack of coverage in Southold?

Co-location is my preference.

I’m not exaggerating when we say we are scared about living with this lack of cell service. We have concerns about being in our home without it and we have concerns about being on the road without it. This is a public safety and a health issue that must be addressed immediately. Thank you for what you’re doing.

Honestly I am in favor of any solution where I can use my wireless phone in the house when I get a call.

None

Whatever it takes to get reliable cell service on the North Fork

Any improvement at all Its the worst part of living out here in paradise

no additional comments

The black pole and modern looking ones stand out. If they're hidden I'd be ok with it. Otherwise just keep the old fashioned wood poles.

Any one that will give me service in my home .

Ultimately, how this will all look will determine what should be approved

N/a

Negotiate better

N/A

I’m indifferent

My answer assumes the use of already existing poles where each cell phone provider attaches their equipment to a designated pole in the particular area.

i don’t see the need for small cell towers

Strongest signal and reliability

Hog Neck coverage is nearly non existent and it seems these Small Cell Facilities are the only solution to improving coverage .

Cell coverage MUST be improved!

I support anything that will improve coverage

Would settle for individual pole but much prefer multi in one pole solution

Condensing would be best?

Unipoles are better.

Most important to me is to not destroy the natural beauty of the north fork.

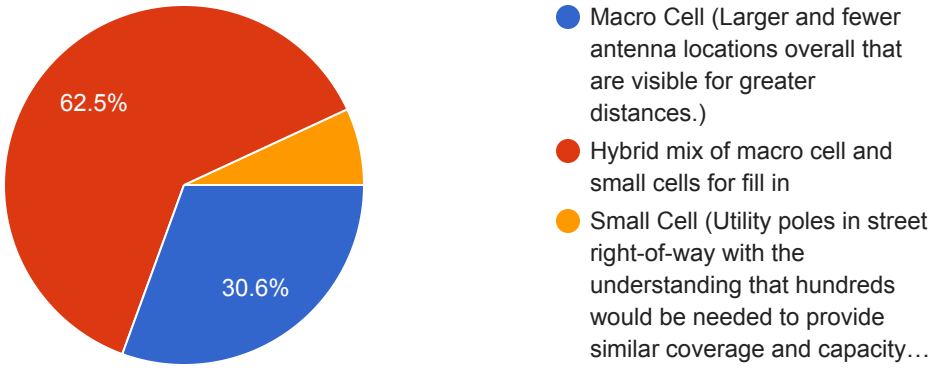
In this day and age it is crazy and dangerous not to have coverage. There is lots of farm/vacant land couldn’t towers be put there?

I prefer two larger towers for Fishers Island, per my response above

25) Which type of wireless deployment pattern do you prefer?

Copy

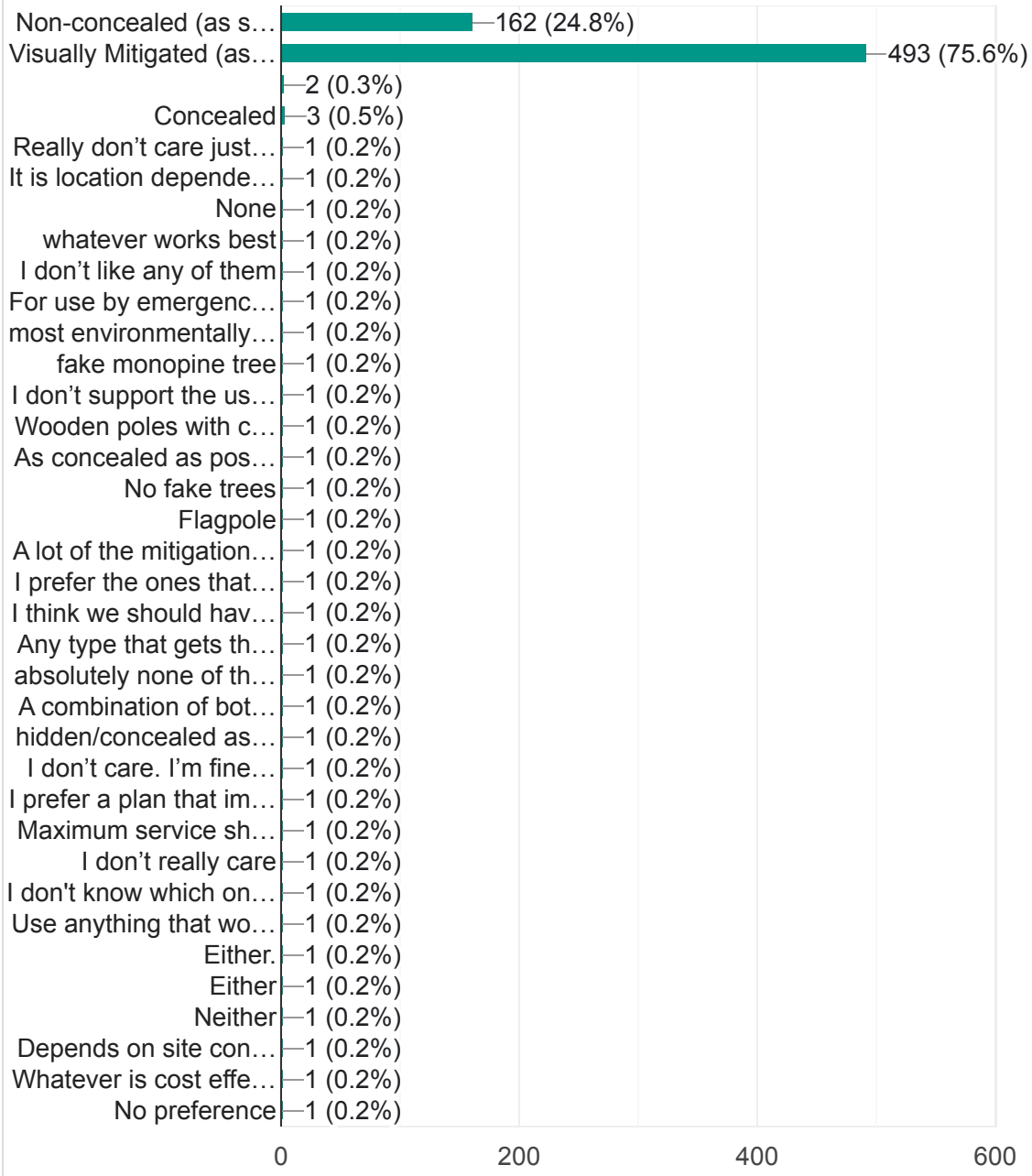
651 responses



26) Overall, which macro cell tower design type do you prefer?

Copy

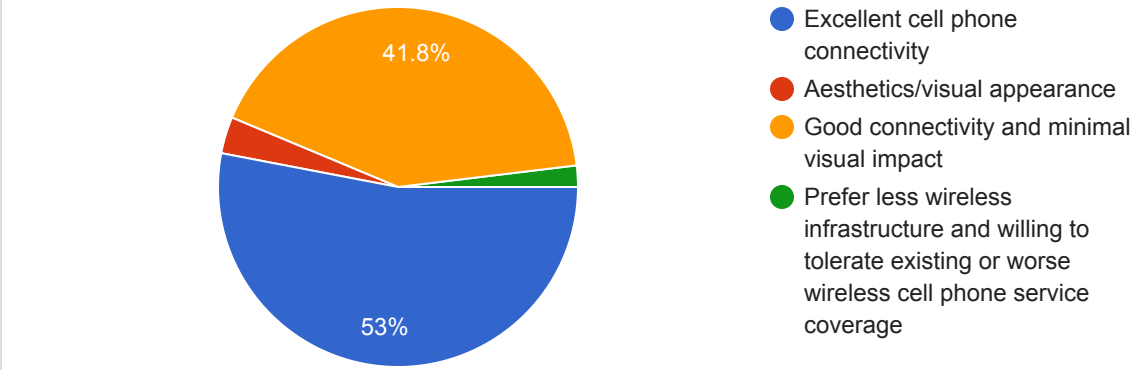
652 responses



27) What is most important to you?

Copy

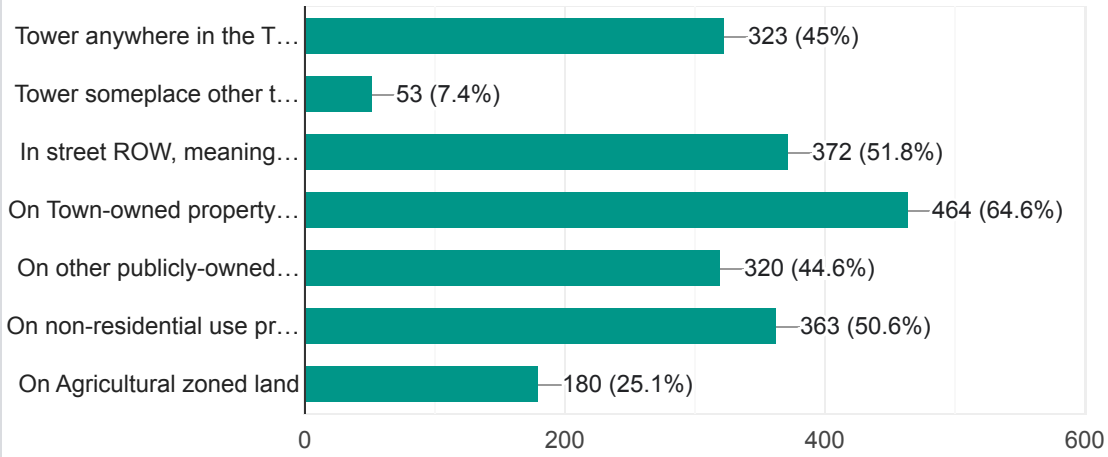
730 responses



28a) Please select the locations where you would support new wireless infrastructure.

Copy

718 responses



28b) Please add any comments below that pertain to question 28a:

78 responses

None

Verizon coverage in Southold Hamlet

Build, baby, build.

I'd like any new towers to be as visually non-obtrusive as possible but would also want good service. As hidden as possible while still being functional.

Preferably for the Macro applications, the Monopine in inconspicuous wooded areas already that are owned by the town and for concealed painted micro, those can go by utility sites, town dumps, etc. visually already unattractive sites.

Anywhere needed to boost service

I would prefer that a tower not be in a residential area

M

Any industrial, commercial or govt building location.

Whatever works best to solve our current and future needs

No towers in parks

Areas near train stations would also make great sites and are already visually compromised.

I

Maybe not in the middle of a wildlife preserve.

Many of us are the Bayview Peninsula. We need good service- but the map seems to leave us out Cedar Beach Tower??

wherever needed to provide better connectivity and SAFETY!!!

Overall id prefer none of the above.

It depends on the location. Firehouses and police departments are acceptable locations, as they already have towers. Also improving existing towers in industrial settings

These should not be close to schools if there is any health repercussions.

nowhere, unless it has no negative impact on environment and wildlife

Better reception is essential for safety/medical reasons.

I am willing to give up a small part of visual beauty to have the safety of adequate cell service.

I would be willing to lease or sell my land for a tower. (49200 Main Rd. Southold)

I am very open to doing what is best to improve cell service within reason. I love our beautiful open vistas, but we have lots of ugly poles too that we live with because we like electricity and cable TV. Cell service is as important as those services.

I don’t support the use of any of these towers!lThey cause cancer and neurological illnesses, amongst other things !!! STOP PUTTING THESE TOWERS IN SOUTHOLD TOWN!!! My family’s health is more important than cell coverage!!!

Again. This has become part of everyday life. Make is as best as possible since it support all people living and traveling through our town

Southold town needs service

cell towers tend to blend into the background if they are not concealed by fake trees

I'm in strong support of putting these up wherever possible. I think that, even if all these macro cells and micro cells are deployed, my service at home will still be bad, but maybe slightly less bad. Really hopeful that service improves significantly in Southold town center.

First Presbyterian Church of Southold wants to put up a cell tower. This is vitally necessary in a dead spot in town. Please work with them to make this happen.

If it’s paired with a structure it becomes less visually discordant. Probably shouldn’t be with schools, as the towers do emit some radiation.

Not parks and only if religious institutions agree

I think we should have a large tower on the Naval Property to the east of the Hay Harbor Golf Course. At the highest point possible.

We understand police, fire, ems, and many members of the public have complained about this health and safety issue for years so we hope we can see a prompt fix.

The fire station on Baywater Ave is perfect place for towers that would help Maun Bayview

residents

Tower off Horton Lane north of RR, was inactive since I moved here in 2016, is it active now? It would help!! What is story on that? If that is active, it should be a solution to my issues.

Nowhere. None. But that's not an option - this poll is very biased.

I just want good service.

Not near towns. Should be discrete location not somewhere people go all the time.

We need a tower for downtown Southold area

NA

Your survey ignores tge Bayview section of Southold Town. I imagine we might be limited to repeaters due to nimbyites

This question is too general. Every location needs to be vetted.

Wherever and whatever needed to improve cell reception

Existing towers can be replaced with taller towers at most locations since people are already used to them. Small cells can be put in neighborhoods and would look like telephone poles. NO STREET LAMP towers! We are a Dark Skies Community!

the tallest and most efficient to ensure coverage, especially for first responders

at fire departments, police headquarters, schools

whatever we need to do to get the job done. Please do not forget about us on the Sound side Of Mattituck.

Environmental concerns with new towers anywhere. I prefer to keep things as they are.

Definitely not agricultural land

Again I would support any solution that would allow me to use my wireless phone in and around my home in Mattituck and the town of Southold in general.

None

Service is lousy, must be improved and provide for safety, business growth and recognition of new reality about how we communicate. Depending on leaders to propose best locations that minimize visual impact and provide essential good service across the North Fork.

Please do something

no additional

We really need coverage in Southold village as it is currently terrible.

Mattituck u

Use anything that works

Choices selected do not mean all should be used.

Standard telephone poles are EVERYWHERE! They are not attractive. Yet every one accepts their existence.

Connectivity is vital for emergency services

N/a

This is too complicated for me to fill out

Monopine towers generally blend in more with the surroundings.

N/A

Non-residential use private property would be my top

My preference would be for a balance of esthetics and function. I'd also prefer if we didn't end up with hundreds more poles and used existing poles as much as possible. Also, wherever possible, use low profile structures.

I don't care if you put up a space needle so long as cell phones start working in Southold town.

Make sure you have provisions for Battery or Generator emergency BACKUP!

Cell service is non existent. I cannot even use GPS so it's necessary not only for work, recreation but for public safety.

I support anything that will improve coverage

Desperately need better cell coverage. It is long overdue

Second fire department southold tower there

Sell the unipoles like a wind turbine w/out the blades.

After years of no to limited cell service …we do not need more surveys and studies :.. this is 2025 … cells phones are a way of life in our society … let's get on board!!!

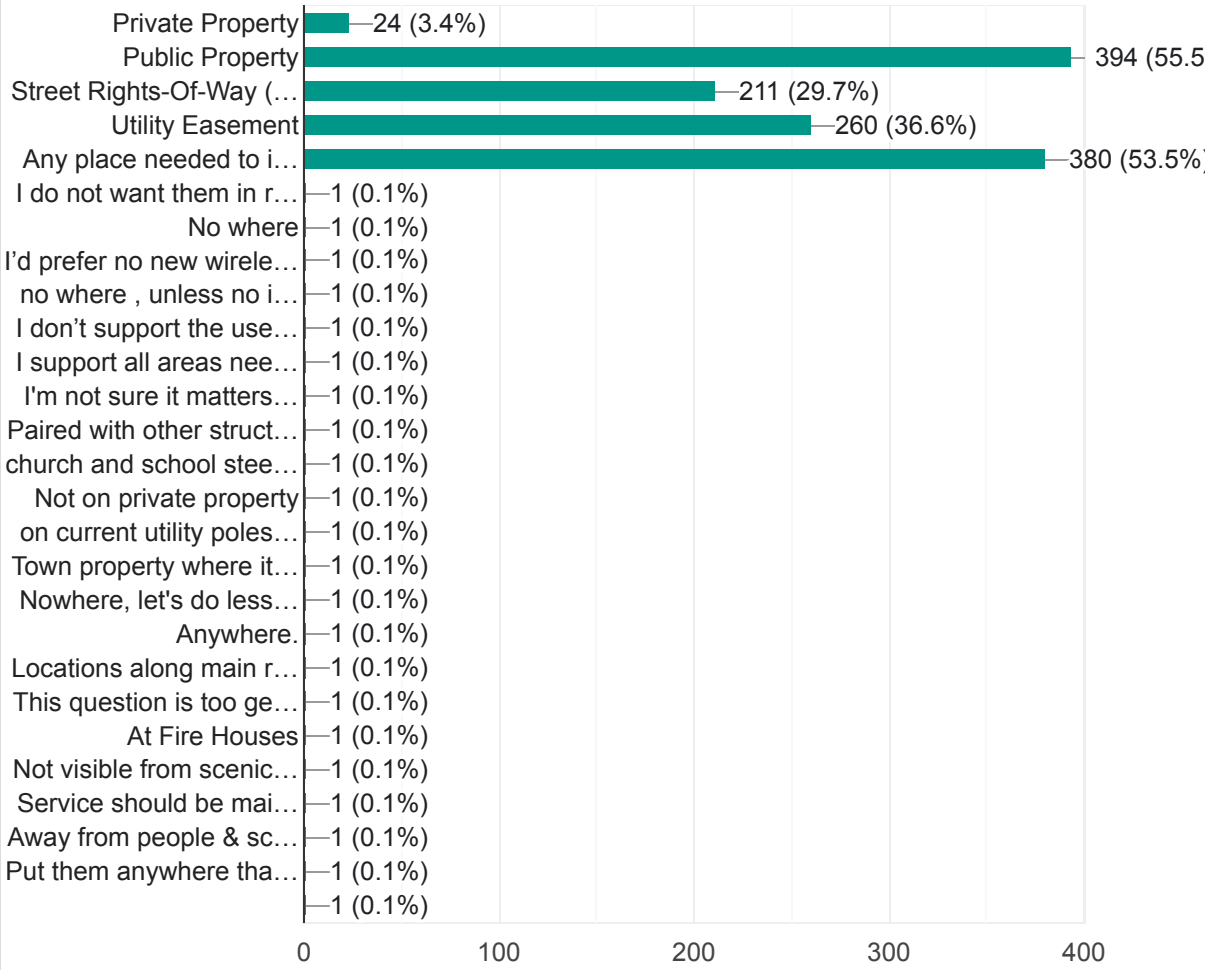
I'm all in for small cell facilities, concealed or non-concealed, in peninsula areas.

Please give all of Bayview Peninsula service. I do not see a tower there. What will work near Cedar Beach and Paradise Point area ??

29) Which of the following locations do you prefer most for new wireless infrastructure?

Copy

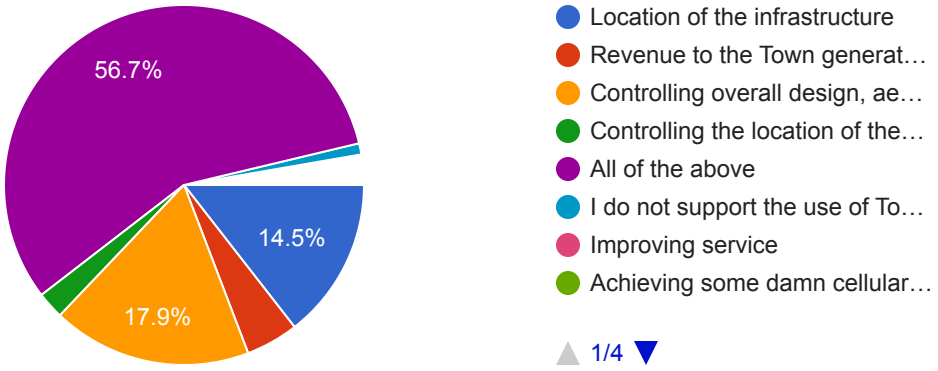
710 responses



30) If you support using Town-owned property for wireless infrastructure, which is more important to you?

Copy

698 responses



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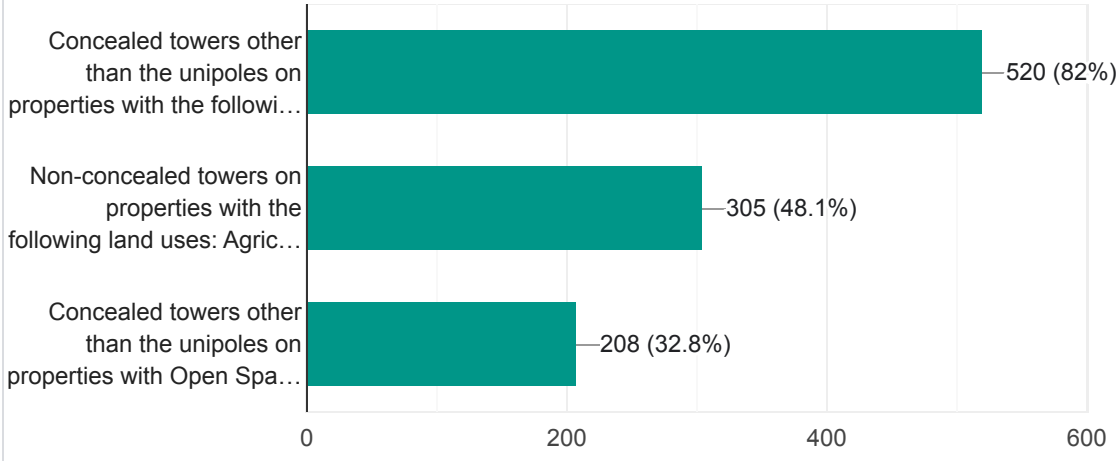
The Town's existing code encourages shorter, concealed unipole towers to lessen visual impact, but these standards involve compromises that can affect network performance, future upgrades, and overall costs. Towers that are too short or that separate antennas from radios reduce signal reach and may require additional sites to cover gaps. Conversely, allowing taller towers with properly positioned antennas and radios can provide stronger signals, cover larger areas, and support future technology needs. As demand for wireless service increases, especially with 5G and beyond, Southold will need to balance aesthetics with the ability to provide reliable coverage.

The ambient tree heights for mature coastal oaks and hollies are around 70 feet. The proposed tower heights in all the questions above are conservative in an effort to minimize the view of the tower on the horizon. Allowing towers up to 150 feet by right and taller with the approval of a Special Exception would significantly improve network design and reduce the amount of infrastructure needed over the next 8-10 years for 6 G.

31a) Would you support any of the following?

634 responses



31b) Please provide any comments regarding 31a)

71 responses

Concealed is best though practicality and economics must be considered.

Let's try to work to make it the least visibly obtrusive as possible while still making service work. I love the idea of placing units on existing utility poles, towers, etc., but we also need to have service that works during peak summer weekends.

People get used to cell towers just like they got used to electric wires and poles

Not sure

Whatever works best to solve our current and future needs

No e

Not Ag!!

not on agricultural land but the others yes.

I support non-concealed towers, but only in specific locations.

None of the above

not a fan of siting in open space and recreational uses.

This is a difficult test! My head is whirling. Did I get a passing Grade? :-)

I don’t like any of those options and I don’t support it at all.

I do not necessarily support non-concealed towers on agricultural land. It depends on the location

Get improved service with lease impact on views/aesthetics

looks don't matter as much as environmental harm- being sure to protect birds, wildlife, and natural spaces

There are plenty of locations to place towers where they are not eyesore and are not glaringly obvious.

The towers that look like trees are great with me and can literally go anywhere.

I don’t support the use of any of these towers! They cause cancer and neurological illnesses!!! STOP PUTTING THESE TOWERS IN SOUTHOLD TOWN!!!

I don’t care. I just want cell phone service

The solution will need to be a hybrid to provide the best coverage and to make it sustainable as usage increases.

Please insure that the east end of Fishers Island has as many towers as the west end.

Asthetics need to be balanced with safety. Right now if my child is at school in southold or at the library in southold (both places i feel comfortable leaving my child) I cannot reach her consistently by phone or even text message. That is a safety issue. In an emergency, that communication could save a life, or cost a life. During a hurricane, when the power went out and I lost wifi, i literally had to get in my car and drive to a (flooded) bridge just to get a text message out to my family.

Not sure I like any of your choices.

Well, I think the 6G spec is more about density of coverage vs distance of service, so I don't know that I'd anchor on that. I do think that towers with antennas that support a greater reach/distance of cellular service are quite important. So, height of the tower and lack of obstructions is key.

My main concern is effective coverage. The only land I would restrict for location of towers would be open space/recreational. Everything else is ok with me.

Prefer not to have them in agricultural areas.

It should not be in agricultural space

Could this be any more complicated?

Improving cell service is an extremely high priority so while I prefer that we do not install towers on open space and recreational land, I also realize we may have to make some compromises.

I think we should have a large tower on the Naval Property to the east of the Hay Harbor Golf Course. At the highest point possible.

150 foot towers seem to be the optimal approach.

Need better service & if unconcealed on town property does that great. If cell service will work & looks better that is great

I'll say it again: I want service. The service I pay for and have a right to.

No, I would not, and that should be an option - it looks like I have to choose one of those 3, very misleading.

I just want better service

Any where possible

NA

I am selfish and want whatever improves service in Southold and Bayview in particular. I am not aware of any health concerns with wireless towers or repeaters

This question is too general. Every location needs to be vetted.

wireless access may be important but maintaining the beauty and integrity of our town is the most important goal. There must be places to place the most concealed and non-obnoxious poles as possible. Ones that the birds like as well.

Anything to improve reception on the Bayview Penninsula

Use only short poles on open space and recreational land uses.

the tallest and most efficient to ensure coverage, especially for first responders

No facilities on preserved or ag zoned land. Preserve the viewshed.

All of the above anything to help. There is a utility pole in front of our house. I am happy for your anything to be mounted to that to help us on our neighbors.

Environmental concerns

None of above

None

I don't support any of those options.

Faux tree

I would not be opposed to other options and believe blending into the landscape and providing optimal service is primary importance

Most towers fall out of view as you move away from them, considering this should be a huge determinant.

But not on agricultural land

no comments

People don't want these towers messing up views. That's the best part about the north fork.

My only preference is that they actually work

Anywhere where I can get my phone to work.

None

N/a

Aestheics not as important as service quality- we will get used to the towers quickly and won't even notice them.

We need to cell coverage, but preserving the beauty of Southold is most important.

I am not sure there is that much difference between concealed and non-concealed towers. Either way they are obvious. I understand the need for towers up to 150', but my question is how many?

This area is known for its beautiful vistas and open spaces which are getting lost more and more to development. Please consider using already besmirched industrial, or utility easements for placements of these ugly things.

Best signal is the top priority

I support anything that will improve coverage

Would accept first choice above EXCEPT for on Agricultural properties.

No comment

Non concealed towers are almost as bad as high tension electrical lines.

This is 2025 wireless service is a necessity to protect and provide a better way of life! This service is long over due in Southold …. we not a third world country!

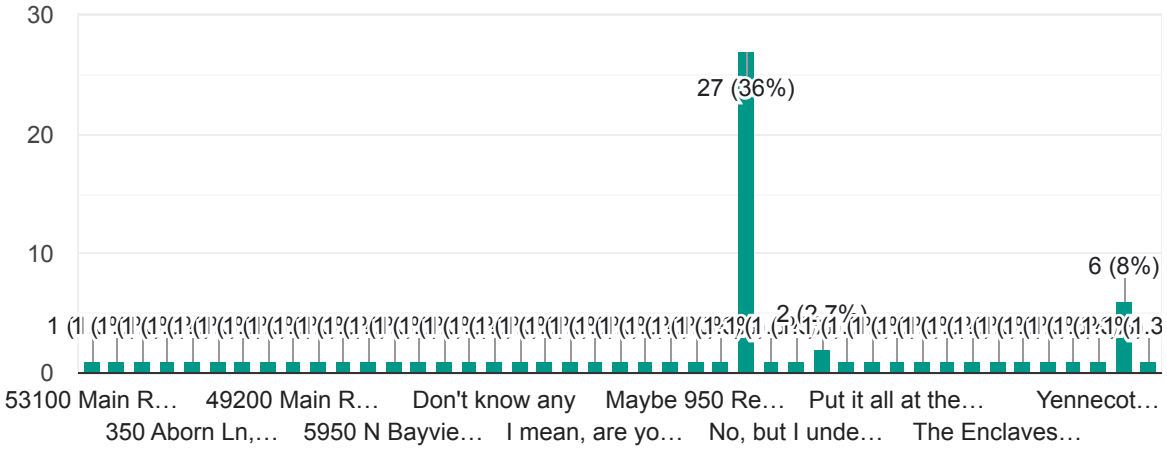
I prefer for Fishers Island two larger poles at the locations I indicated above.

32) Do you know of any private property that may be available for new wireless infrastructure?

Copy

If yes, please provide the address.

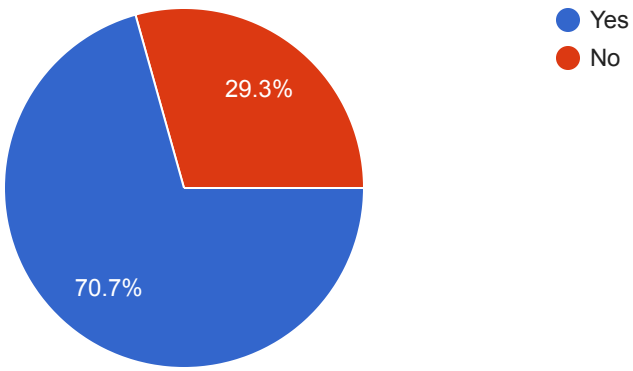
75 responses



33) Do you want to receive further information about this project?

Copy

661 responses



34) Email address *will not be used for anything other than this survey

516 responses

Good

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

413 more responses are hidden

35) Comments or suggestions

164 responses

None

Why did you not ask questions 19, 20 and 21 about Southold Hamlet. They have zero Verizon coverage. You ignore the biggest zero reception area in the whole town.

Wireless infrastructure is an important issue for the Forks. We need to protect the natural beauty of the area as we improve communication, especially for emergency notifications. Thank you.

It appears in every phase of "improvement" the Town is setting up for increases density in Southold. One example is the 81 room hotel om Main Road. They will need additiona phone service, water electricity etc. What happens to our quality of life and who is going to pay for increased infrastructure. Please remember once you allow changes to the code to increase density you can never go back.

We are excited to have cell serves in southold !! It is really impossible talking on phone and connecting . We lose calls and all everyday ! Thank you

The level of cell phone service we currently experience (Verizon customer) is dangerous. I have a family and a small child and not having the ability to make an emergency call if needed terrifies me. Please do anything in your power to improve the service. It's 2025 and most people use cell phones as their primary telephones. The current rules are antiquated and reflect a prior time when landline were common. This is a public safety issue.

Unconscionable that southold Hamlet is one big dead zone. This is a tremendous safety issue that must be solved whatever the aesthetic cost.

Whatever is decided on I feel the towers should be concealed

Just get it done asap.

Cell phone coverage is important for public safety. Visual impact is not.

I am absolutely concerned about maintaining the beauty of the town of Southold, but think that if something is to be done about the cell service problem it should be something that will work well. If we have to have towers built, I would prefer that they are efficient and effective, rather than smaller and better-looking but not working as well. I think we might as well do it as best as we can if we are going to do it. Thank you!

This is SO critical. I hope you can find a way to get connectivity appropriate to the 21st century as the current situation is dangerous as well as frustrating. Times change, we can't live in the

past this way.

Tough job getting reliable service with aesthetically pleasing equipment. Thank you for giving us the opportunity to voice our opinions regarding this matter. I'm sure that we can come up with a network that will work for everyone and not ruin the aesthetics of our community

Let's move fast. Cell coverage is a real problem for public safety, medical emergencies and just maintaining business requirements.

Thank you for including me!

Improve cell coverage

Thanks for working towards a solution to satisfy our digital and cellular needs

Concealed towers are less effective than non-concealed towers... wonderful. Does that suggest we would need three concealed towers for every two non-concealed towers? For private property, like vineyards, how much annually can they expect for leasing some land for a cell tower? Why are you askeiing about areas of Southold that have poor reception? The existing cell tower infrastructure should clearly provide information about where service is sub standard. More importantly, the real question is "What is required to bring service up to what is considered an acceptable standard. Obviously, there would be trade offs between lager ugly cell towers and small hidden cell towers. Let's get a starting point! If we go all small hidden towers, then how many to we need? If we go large ugly towers, than again, how many. And where to they need to be placed? Why are you asking non Fishers Island folks about what should be placed on Fishers Island? Fisher's Island residents need to decide for themselves what they want in terms of cell phone service. The questions on Fishers Island should not have been addressed to non resident of Fishers Island.
At the end of the day, residents of Southold want dependable cell reception with no additional ugly cell towers. Is this doable? With small hidden infrastructure? If not, what is the minimum new ugly infrastructure required? Where does it optimally need to go?
This questionnaire asks us to make decisions without providing sufficient information to make informed decisions.

With the amount of taxes we pay, we should have full service everywhere. Especially in this day and age.

Please resolve Southold Hamlet ASAP, thank you!

Open to anything to improve cell phone service.

Thank you for any effort to improve the cell service in our town and on Fishers Island. It is so unpredictable here that Many Many residents have invested in Starlink! This bi-passes our Utility Company which seems to think that fiber is the future - which most think not - especially on an island!

I am very happy the town is addressing this very important issue. We must not take forever and get the improvements done asap.

Improved cell service is so important for community at large. This is 2025, all homes, businesses, police, fire departments should have excellent cell anywhere in Southold. Emergencies require it!

For public safety, Fishers needs much better coverage. Only 10% of my calls go through. Suppose i need to dial 911 tomreport a fire or other emergency?

There are many people who get sick from the radiation of these cell towers and mini towers. Any and all governments are responsible for protecting tge people and property.

Need improvement in cell coverage

Thank you.for asking the public

Thanks for asking for feedback!

We have experience being unable to contact the fire department after leaving our home quickly. Consistent reliable service is a must in this town.

I live in Greenport west - part of Southold town And service is fine there but office is in Mattituck - the worst and then in and out as I drive from office to home

Glad you are working to give Southold Town cell service. SO Vital to our health and well being. Be sure to include Bayview Peninsula, Paradise Point and Cedar Beach area

This survey was incredibly badly written and designed. The questions/explanations were FAR too lengthy and the back-track scrolling to see photo examples was difficult. Overall, this survey should have been split into a number of smaller units. Frankly, I GAVE UP ABOUT HALFWAY THROUGH. Don't be surprised if your answer/response rate is poor. This is an important topic and I feel this was a badly botched effort to communicate.

It's 2025! Let's have universal 5G coverage on the entire North Fork

Thank you for the survey, all questions and choice of answers were excellent.

I dont believe the general public is aware of this survey- many elderly people or persons with health issues now rely on cell service. I had cancelled my land line because it was redundant to pay for it with a cell phone, however Ive had to call 2 ambulances in the last 20 years of living here and its scary to think I might not get through. Please make this survey more widely avail- also the survey is very long and many would get confused- if you love in one town, it would be better if you were given a survey option just for your town. Thank you.

We are fine with what we have. If it needs updating and maintenance then do so but conceal it so it's not an eye sore. We don't need more.

FWIW, I have a post graduate degree and struggled with parts of this survey. I question the quality of responses, is not the quantity, you will receive.

Please rectify the poor cell signal in the area asap. It's definitely a safety concern that I cannot call 911 in an emergency.

Better service is needed quickly

Survey is poorly designed and confusing. Requires a lot of scrolling back and forth, plus answer choices are often not easily understood

Cell service is an emergency 911 necessity! Trying to find cell service in an emergency situation can be the difference between life & death

cell service is so poor at my home in Calves Neck that it disrupts my business and I have to go elsewhere to take important business calls. This is a huge detriment to people who WFH moving full time to Southold.

Thank you for the efforts to take us forward, what we have currently is dangerous.

please only consider expansion if there is no negative environmental, wildlife impacts

Use large unconcealed poles and areas where there is a lot of industrial commercial activity and use concealed poles were there are aesthetic concerns for a neighborhood or a town.

Thank you for putting community safety at the forefront. No need to wait for a tragedy to happen, with possible loss of life, due to poor cell service.

Thank you for moving forward with this! Much needed in the Town.

I think we all agree that cell phones are most peoples only phone (landlines are disappearing) and that if only from a safety standpoint increased coverage is needed

It's very important to have strong service for all residents, first responders, police stations, fire houses, etc. for everyone's well being. Especially when we need to be informed of an emergency situation. Strong signal service is imperative so if the taller and uglier tower will be the best option,so be it.

I'll be watching what happens with this. I want to see this surveys results published. I want the studies done, they should have been done years ago!

Please fix the coverage. Make this wonderful town even better for day to day life activities

Don’t drag your feet. We rely on our internet for almost everything and it’s a shame to not have it available at this point. To have to drive miles to get a signal when in southold town. A danger not having access in an emergency. I know the phones have that ability but why should we have to use the emergency. Businesses rely on a good connection and towns are growing and it will only get worse. Step it up and get going and get us connected. I don't know one person in Southold who doesn’t complain about cell service. Everyone does. Don’t make this a major issue. Just get it done!

cell service in downtown Southold shopping area in nonexistent. Top priority!

Definitely need upgraded services

I appreciate the sharing of information. Thnk you.

A 3D model showing the various alternatives from least impact to high impact. Being realistic but sensitive to the untainted beauty of the east end. A difficult balancing act.

We need to improve the coverage as a cell phone is a basic Communcations in an emergency. I want my phone to work in any location on land within reason

Located anywhere for best service. Lease revenue to location of tower

Local code regarding height may need to be changed to accomplish better service

Convert the existing eyesore towers!

This poll was a bit too complicated. I appreciate attention to the issue, though. I'm surprised by the alleged coverage in Town now, because there is absolutely no service on Main Road from Peconic Lane until past the Fish Market.

Thanks for reading my feedback! I hope I'm not too late on my submission.

Thank you for the work that went into this project, and for welcoming public comment. We need to bring our cell service up to date, and with room to accommodate new technologies like 5G.

Although I support smaller telephone pole towers, I would also like to bury all the telephone/electrical lines. So that’s a Catch 22.

The tall towers are unsightly, but they do kind of disappear after awhile. The trees are kind of amusing, but maybe don’t fit in very well in Southold.

Maybe I missed it, but I don’t see anything that improves the abysmal coverage in Southold hamlet center. Could there be some telephone pole towers to augment service there?

Just improve cell service wherever its insufficiency poses dangers to the residents of Southold Town.

Thank you so much for working on this extremely important project!

Poor cell service is detrimental to this community. Tommorrow to fix this

This survey is deeply flawed. How should i know what pole or physical structure would be best to resolve what is a huge problem in our community? This is a very frustrating situation as this survey is sent under the guise of getting feedback but the complexity of options will suppress response.

Glad for survey; please share overall town results

In these times, cellular coverage is no longer a luxury but an absolute necessity and potentially life and death. People have moved away from house phones landline isand need a way to communicate.

Public safety should take precedence over community complaints about appearance. The lack of cell service is a huge problem—what if a house catches fire? Someone has a medical emergency in their home or on a walk? No one has land lines anymore, and it’s not possible to make a call. If it connects, there’s so much static and cut-out that information can’t be communicated

Don’t let perfect be the enemy of good. We need better coverage.

The poor service in Southold is a safety issue.

I hope our current officials get this problem solved without further delay. The more recent elected officials promised this would be a high priority over 2 years back but no progress has been made. As such, I am being forced to look to the ballot box and will hope to vote in people who actually care about the health and safety of our entire population.

Cell service on the North Fork has not kept up with demand, and upgrades are long overdue. We had better overall service, on average, 10-15 years ago than we do today. Good wireless service is also critical for breaking Optimum's near monopoly on fixed-line connectivity in the area. We need better service, competition, and choice. Thank you for your efforts!

Do NOT let Main Bayview and other residents remain in the pre-cell phone era. Put whatever we need in place so that cell calls don’t drop in our homes, and so that we can use our cells around town in not just for convenience but in case we have an emergency, accident, we’re not feeling well, we see someone in need of help, etc. The current situation is unacceptable.

Please consider the hamlet of Southold as well.

Thanks

With the reduction of landlines, it is important to support cell communication, both to serve the public and for infrastructure that is safe and reliable.

Let's not do this.

We need better CELL Service!

Cell service is a necessary expectation given that most people rely on cellular devices for just about every aspect of their lives

Cell service is important. Fix it!

Thank you

This project is crucial to our community to be done correctly and provide excellent mobile services.

Very glad this is being addressed! It has been a true hindrance!

The present situation is intolerable in 2025. There has to be a way to resolve this problem without a huge environmental impact or greater cost to the consumer. Thank you for the opportunity to contribute my opinion on this matter.

What are we waiting for????

Thanks

This is a large investment and we need to do it right. We don’t want the visual to effect the cost of our properties. We should look how other towns are implementing this and see what’s trending in terms of visual appeal.

I found the categories of poles very difficult to keep in mind while completing the survey

Need this Done ASAP it’s a health and life safety issue

Hogs Neck needs coverage.

not easily explained for the average person

Thanks for organizing this survey. Very important topic for Southold.

NA

Fix this problem ASAP

I support the installation of most tower designs throughout the town. The installation of new towers will not only improve the poor cell service in certain areas, but also provides the potential for earning revenue for the town as well as private citizens. Additionally, installing more towers provides the opportunity to improve public safety radio coverage throughout the town.

Fix this. People will die in emergencies due to the horrendous cell phone service!

63 more responses are hidden