



Proposed Wireless Ordinance

LDA-2009-08-01

October 14, 2009



Cellular Signal Issues

1. Cellular reception weak or not available some areas of town
2. Peak call volume exceeds infrastructure capacity
3. Ordinance limits the # & placement of towers
4. Need to balance needs of all stakeholders
 - a. SS citizens / SSPD / SSVFD
 - b. Cellular carriers
 - c. Tower companies
 - d. Property owners



Wireless Committee SOW

1. Provide level playing field for ALL stakeholders
2. Ensure that wireless infrastructure is:
 - a. safe for residents
 - b. enables access to signals and services
 - c. respectful of aesthetic character of Southern Shores
3. **Committee Deliverables**
 - a. Define issues / opportunities
 - b. Determine carrier requirements
 - c. Identify municipal best practices
 - d. Conduct “citizen forums” / gather community input
 - e. Present recommendations to Planning Board & Town Council



Agenda

1. Overview of work to date
2. Present proposed ordinance
3. Comments/questions



Work Completed To Date

1. Fact gathering (carriers, FCC, other municipalities, consultants)
2. Signal study by Wireless Committee (confirmed by carriers)
3. Tested repeaters, VoIP, Femtocell
4. Invited carriers to provide input & tour town
(ATT/Cingular, Verizon/Alltel, Sprint/Nextel, US Cellular)
5. Researched ordinances
6. Visited multiple cellular tower sites
7. Prepared draft ordinance for Southern Shores



Wireless Infrastructure Principles

1. Public Safety is first – ALWAYS
2. Encourage Investment to Improve Service
3. Tower access to SSPD, SSVFD, EMS & Emergency Teams
4. Maintain a level playing field for all players
5. Permitting process is predictable, timely, fair



Proposed Ordinance Highlights

1. Defines short and tall towers
2. Short towers are permitted use in all zones
3. Tall towers conditional use in all zones
4. Co-Location encouraged / required
5. Sec. 36-175 (*Wireless telecommunications sites and towers*) added to ordinance



LDA-2009-01 Outline

Highlights of Ordinance



Before & After Snapshot

Before (or Current)

Telecommunication facilitates conditionally permitted in Commercial Zone or on existing water towers only

No provision for short towers

After

Short towers permitted use in all zones

Tall towers conditional use in all zones



Mitigate Negative Impacts

1. Comply with
 - a. 135 mph wind tolerance
 - b. NC Building Code
 - c. Nat'l Std's TIA, EIA
2. Monopole design & site specific foundations
3. Fall zones & setbacks
4. Co-location & minimum separation distance
5. Fencing & vegetative buffers
6. Other?



Public Input

Comments/questions