

## **STMC: Bringing the 21<sup>st</sup> Century to Homeowners Today!**

- A home served by Fiber is a smart investment, because future telecommunications and entertainment technologies will be more readily available to homes served by fiber networks.
- Fiber technology allows STMC to offer multiple services at faster rates to each household.
- Fiber has no foreseeable limits to future bandwidth growth, fiber is future proof in the aspect that it has no outer limit of bandwidth growth potential
- Fiber optics are based on the principle that light in a glass medium can carry more information over longer distances than traditional copper, coaxial medium and radio frequencies in a wireless medium
- Fiber has a long-life expectancy
- Fiber is not susceptible to lightning damage since glass is not a conductor of electricity.
- Fiber based networks are a direct result of the consumer's demand for more robust technology and a desire for multimedia applications requiring large bandwidth capabilities
- We are constructing the ideal FTTH (Fiber to the Home) network by giving the end-user access to voice, video and data through one connection!
- Fiber Optics are utilized in a passive network. This means there is less equipment throughout the outside plant to be maintained and fiber eliminates the need for DC power.
- FTTH features local battery back-up and consumes low power in relation to traditional outside plant.
- FTTH is extremely reliable, scalable, and secure
- 100% FTTH developments are currently not in wide scale use. FTTH developments are unique and technologically advanced for not only NC but the whole nation; we are bringing leading edge technologies to our area!
- Immune to noise interference, crosstalk and radio frequency interruptions
- No short circuits or sparks to worry about with shorting the service out
- Fiber cables are resistant to corrosion deterioration

