

---

## **South Bethany Verizon Update to Sue Callaway, Town Councilmember**

---

**Metz, Bonnie L**

Wed, Sep 9, 2020

**Director of State Government Affairs, Verizon**

Commissioner Callaway, it was a pleasure speaking with you recently about Verizon's available broadband and video services in South Bethany. As we discussed, at this time, Verizon has no plans to build out FiOS video or Internet in the Town or any of the surrounding communities. Although we are installing fiber in various areas of Western Sussex County, these lines will be used for backhaul for wireless small cell facilities of Verizon Wireless and other providers.

As you are aware, a small cell installation consists of small radio equipment and antennas that can be placed on structures such as streetlights or poles. They are about the size of a pizza box or backpack, and are essential for transmitting data to and from a wireless device. Each small cell installation requires three simple things: power; backhaul—fiber optic cable or microwave for transmission to the core network—and a permitted space for installation.

A small cell network adds coverage, capacity and increases connection speed so that more users can connect to reliable high-speed wireless service where they live, work and play. Small cells are part of a macro-micro cellular communication coverage umbrella enabling information flow between traditional cell sites and small cells. This architecture

provides higher quality service and increased capacity to, and enhances the network for users in a dedicated geographic location.

The small cells that Verizon is installing in South Bethany and throughout the Beach communities will add needed capacity to the current 4G network and new antennas and radios to support the next generation of wireless service, called 5G.

[https://www.verizon.com/5g/?cmp=KNC-C-HQ-PRO-R-BP-NONE-NONE-2K0PX0-PX-GAW-71700000070406675&gclid=EAlaIQobChMI0Pa2zP\\_c6wIVeh-tBh0PuAPnEAAYASAAEgKemvD\\_BwE&gclsrc=aw.ds](https://www.verizon.com/5g/?cmp=KNC-C-HQ-PRO-R-BP-NONE-NONE-2K0PX0-PX-GAW-71700000070406675&gclid=EAlaIQobChMI0Pa2zP_c6wIVeh-tBh0PuAPnEAAYASAAEgKemvD_BwE&gclsrc=aw.ds)

5G networks are more than 25x faster than 4G. There are 8 performance attributes, or currencies, of Verizon's 5G network – throughput, service deployment, mobility, connected devices, energy efficiency, data volume, latency, and reliability as described in more detail at this link:

<https://www.verizon.com/articles/business/5g-network-performance-attributes/>

Although Verizon is not currently building out FiOS service in South Bethany, one of the services that Verizon is beginning to offer over the 5G network in select cities across the country is 5G Home Internet, which is a fixed wireless Internet service which can be a competitive alternative to Internet and cable providers, as people move more and more to streaming services. <https://www.verizon.com/5g/home/>.

The 5G connections will deliver faster speeds, drastically reduced latency and a higher data transfer rate than previous networks. For example, on a 5G network you could potentially

download a two-hour movie in 3.6 seconds. That same download would take six minutes on a 4G network and 26 hours on 3G, according to the [Consumer Technology Association](#).

With the installation of Verizon 5G small cells in the Town, South Bethany should be well positioned when we begin to offer 5G Home in the Mid-Atlantic region.

I hope this information is helpful. Please do not hesitate to reach out with any questions.

**Follow-up Email responses from Bonnie Metz to my questions regarding 1) future timing of 5G Home Internet and 2) the status of Verizon within the Salt Pond community as previously discussed with the Salt Pond HOA President and the Sussex County Administrator and Technology Director**

1) I am sorry. We do not have any estimated time for offering it in the Mid-Atlantic at this time but as soon as I hear something I will let you know.

2) The work that Verizon is performing in Salt Pond is the installation of fiber backhaul for small cells for another wireless carrier. It is not FiOS.