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June 7, 2019

The Honorable Brad Roae  
162B East Wing  
PO Box 202006  
Harrisburg, PA 17120

Dear Chairman Roae,

I'm writing as a member of the Pennsylvania Partnership for 5G, a business and technology group supporting the deployment of 5G infrastructure across the Commonwealth, in support of the Small Wireless Facilities Deployment Act (HB 1400).

5G technology is the next chapter in the wireless evolution. With speeds 40 times faster than 4G LTE, 5G will dramatically improve the way we communicate. It will also have a tremendous impact on our state's future economic growth. According to various studies, the emergence of 5G will create three million new jobs, \$500 billion in GDP and \$275 billion in private investment in the United States. Furthermore, some global forecasts estimate the 5G market will reach \$2.86 billion in 2020, before skyrocketing to \$33.72 billion by 2026.

Pennsylvania has a number of industries that could dramatically benefit from the introduction of 5G technology. 5G will broadly improve Pennsylvania's economic sustainability and output by impacting autonomous vehicles, telemedicine and healthcare, public safety, agriculture, and additive manufacturers using industrial-sized 3-D printers.

Unfortunately, Pennsylvania currently lacks the infrastructure to access 5G technology when it becomes commercially available in 2020. That is why I am writing in support of the Small Wireless Facilities Deployment Act. The bill, sponsored by Rep. Frank Farry (R-Bucks), would create a legislative framework for the deployment of small cell nodes, the backbone for 5G. The bill also encourages small cell deployment across the Commonwealth by setting standards for fees and providing a streamlined and transparent permitting process.

I urge you to support HB 1400. If you have any questions, please feel free to reach out. Thank you for your consideration.

Sincerely,

*John Valentine*