

The future of the \$1.3 trillion app economy depends on the strength and density of America's wireless and wired backhaul networks. The deployment of 5G has the potential to add three million new jobs and \$501 billion in economic growth, as well as contribute at least \$200 billion to the app economy and network-supported industries worldwide. Moreover, 5G can provide fixed wireless service—which would compete directly with the traditional means of home internet access most consumers use now.



Broadband supports the 77 percent of Americans who own a smartphone, and more than 28.4 billion internet of things (IoT) devices depend on internet connectivity. As more Americans own smartphones and more IoT devices come online, legacy telecommunications infrastructure and frequency allocations will not be sufficient to manage this burgeoning network traffic.

Recent 5G pilots have demonstrated the technology's ability to provide staggering internet speeds, more than 75 times the speed of 4G LTE.

- While 4G LTE helped make the internet more accessible on mobile devices, 5G offers ultra-low latency to its users, giving mobile infrastructure the reliability needed for the applications that depend on network integrity.
- These enhancements can provide a highly tailored service to meet specific customer needs.
- **More specifically, our members can make data-rich applications that require a high-quality connection that allows faster data transfer and information sharing between workers who may be at a virtual desk, at a medical clinic, in an IoT-enabled warehouse, or with a customer in the store.**

To support the growth and potential of the dynamic American economy, we urge Congress to:

- Remove regulatory barriers to small cell and macro cell deployment. The Federal Communications Commission (FCC) began to remove these barriers to support greater 5G deployment, but Congress must authorize the completion of this work quickly and in a way that serves both rural and urban communities.
- Ensure states and localities facilitate 5G deployment without undue delay. To this end, Congress should engage with state officials, ensure the implementation of certain FCC rules, and include 5G deployment incentives in infrastructure legislation.
- Support the FCC's recent Further Notice of Proposed Rulemaking implementing Sec. 621 of the Cable Communications Policy Act (MB Docket 05-311) (621 FNPRM). The 621 FNPRM proposal would reaffirm that state and local authorities cannot impose duplicative rights-of-way fees on the provision of broadband services, and thereby prevent unlawful taxation of broadband deployment. Safeguarding broadband deployment from such taxation is a crucial component of enabling App Association member companies to create jobs in your states and districts.
- Liberate more government-owned spectrum bands for commercial IoT use, particularly in the mid-band and millimeter wave bands. Federal agencies hold nearly 60 percent of our nation's spectrum resources, much of which is underused and could be repurposed for 5G deployment and other commercial uses. To this end, we urge you to support the **Government Spectrum Valuation Act (S. 3617, 115th)**.