



# CASE STUDY:

## High-Density Public WiFi Network

As Alaska's capital city and a major cruise destination, the City and Borough of Juneau (CBJ) experiences seasonal surges of up to **16,000 visitors per day**. The resulting **network congestion overwhelmed cellular infrastructure**, leaving residents, businesses and municipal organizations with unreliable access to internet services for point-of-sale systems, voice calls, and other critical network-based services. To support the **deployment of a high-capacity public Wi-Fi network**, Solis Energy supplied 125 LPT Power Boxes that **converted AC power from streetlights into PoE** for Cambium wireless networking equipment. As a critical infrastructure enabler, Solis Energy helped make the deployment economically feasible by eliminating the need for costly trenching and enabling a rapid, flexible rollout that now provides reliable public Wi-Fi to more than 100,000 seasonal users.



### THE CUSTOMER

City and Borough of Juneau, Alaska



### THE CHALLENGE

To power high-density outdoor wireless networking equipment while eliminating the need for costly trenching and complex fiber installation



### THE SOLUTION

Solis Energy's LPT platform utilized existing light pole infrastructure to power Cambium wireless networking equipment



### THE RESULTS

Rapid deployment of high-capacity public Wi-Fi ensuring improved connectivity for residents, businesses and visitors



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