# City of Rocklin, CA · Success Story
*Quality of Service. Quality of Life.*

**Challenge**

• Expanding citywide connectivity to support civic & economic growth
• Integrating new and existing technology & infrastructure
• Optimizing municipal budgets, schedules, and legacy technology

**Solution**

• Leveraging EBPL point-to-multipoint fiber backbone for traffic signals & cameras
• High-bandwidth IPTV connecting City Hall, Police, Fire, and First Responders
• Enabling community Wi-Fi across all city parks

**Results**

• High-speed connectivity with mission-critical reliability
• Resilient availability and uptime, with no jitter, latency, or packet loss
• Fiber-powered improvements in public safety, work, and community life

## Delightful in Every Detail

Founded in 1893 and just over 20 miles northeast of Sacramento, CA, Rocklin is a friendly, family-centric hamlet, placing a high priority on providing an exceptional quality of life for its citizens. The city's 37 parks are maintained and manicured for the community of 73K-plus to explore and enjoy, whether for festivals, concerts, movie nights, or just scenic weekend strolls. Keeping these public spaces clean, safe, and Wi-Fi connected (free-of-charge) continues to be one of this charming city's key service imperatives. Of course, reliable connectivity and telephone communications for mission-critical public works and infrastructure (including schools, police, fire, water, first responder services, and more) also contribute to quality of life. Overall, a dedicated and detailed approach to safety, vibrancy, resiliency, and sustainability are the pillars that make Rocklin—'A Family Community'—such a lovely and livable city.

## The Challenge: Giving a greenlight to the safe flow of life

Rocklin required a fiber-optic network infrastructure to support an automated "smart-city" Advanced Traffic Management System (ATMS) envisioned by the city council. And, on a more leisurely note, Rocklin also wanted to ensure that its many parks were provisioned with FREE Wi-Fi. For two such high-profile, citizen-impacting improvements to be made citywide, Rocklin turned to a technology provider that it knew it could trust: Astound.

Brian Graves, Principal Information Technology Analyst for Rocklin recalls that decision: "You tend to get lost with larger carriers, especially with their frequent turnover in account management. But with Astound, there is always consistent high-quality service and support we can count on. They understand us. It's not difficult to speak with a couple people there to describe what we need technically, and then the correct solution gets provisioned, implemented, and it works as expected. Astound is just more nimble."

# The Solution: Seamlessly integrating new and existing network infrastructures

According to Justin Nartker, Public Works Director for the city of Rocklin, partnering with Astound was an important part of its traffic modernization initiative, integrating some of the city's own existing infrastructure, resulting in a savings of time, effort, and money. "Astound's Ethernet Broadband over Power Lines (EBPL) solution, for example" expounds Nartker, "enabled us to quickly and efficiently scale our infrastructure according to the city's desired schedule. Astound devised a phased approach that worked well within the city's plan—across multiple criteria." The fiber Astound helped Rocklin lay has also enabled a broader deployment of cloud-based services, another city improvement of particular importance to the IT team itself. Graves summarizes: "It's been a pain-free experience rolling out this network."

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# The Result: Exceptional Reliability and Performance

Thanks to the centralized ATMS solution that this rapidly expanding community put in place, commute-hour traffic flow has been dramatically improved. Intelligent, smart-city technology such as this not only adjusts in real time to reduce wait periods at lights, but also improves public safety. "Such efficiencies," adds Graves, "alleviate the need for our traffic team to manually adjust every intersection light. Plus, signal-timing can also be synced to school-day start and end times."

Furthermore, Astound fiber also keeps Rocklin Police and Fire Departments connected via VoIP (Voice Over Internet Protocol) and secure video streaming, as well as providing round-the-clock access to the city's data center in service to public safety. Says Graves: "It's critical that these circuits are reliable and perform to expectation. We don't experience the jitter, latency, or packet loss these networks are usually prone to. And if there's a cut due to construction, Astound's responsive fiber team is always quick to deploy."

**For information about how Astound Business Solutions can help your enterprise drive greater success, contact your local representative.**