

SB 649

CREATING JOBS & GROWING CALIFORNIA'S ECONOMY

The Growing Demand for Everything Wireless.

Californians are using more wireless data every day and tomorrow's 5G networks will enable the Internet of Things and power smart communities. To meet that demand, we're enhancing today's 4G networks and preparing for 5G. Faster, more responsive, and connecting more devices, 5G will unlock innovation and investment, transforming every sector of our economy.

Our Evolving Wireless Networks: Small Cells.

To enhance our 4G networks and make 5G a reality, our networks need more capacity, which means installing small cells—antennas the size of a pizza box—located everywhere from utility poles to street lamps. Small cells have two components: small antennas placed at or near the top of a pole or structure, no more than six cubic feet in volume, and ancillary equipment (like remote radio heads and cabinets) located near the pole or structure that do not exceed 28 cubic feet. Each component complies with all local health and safety standards.



Cities and towns which are first to facilitate the wireless infrastructure evolution will see the greatest benefit.



Accenture Strategy

JANUARY 2017

New Rules for New Wireless Infrastructure.

In many California localities, the rules, regulations, and application fees for wireless infrastructure are decades old, put in place when 200-foot tall cell towers were the norm. These rules are barriers to meeting today's wireless demand and enabling 5G innovations. Specifically, there are three types of barriers:

ACCESS. Some localities simply refuse requests to deploy small cells on locally-owned utility poles, streetlights, and other structures in public rights-of-way.

COST. Some localities hinder or block wireless infrastructure deployment by demanding extreme fees for attaching small cells to poles and streetlights. The fee to attach a small cell to a streetlight should not be the same fee charged to erect a 200-foot macro cell tower.

PROCESS. Many localities require a "conditional use permit" from zoning boards, a lengthy process often influenced by special interests and a process less relevant for small cells placed on structures already being used for utility services compared to a new 200-foot macro cell tower.

SB649: The Solution to Modernize Local Rules for Small Cells.

California should adopt a new regulatory framework for small cell deployment that modernizes the zoning process and empowers local governments to adopt and enforce their own health and safety standards in a more fair, efficient, and transparent manner. That's what SB649 does by making small cell installation a "permitted use" for zoning purposes and establishing a new permitting framework. Specifically, SB649 ensures:

FAIR AND REASONABLE ACCESS. All communications providers should have fair and reasonable access to attach small cells to locally-owned utility poles, streetlights, and other vertical infrastructure suitable for utility attachments in public rights-of-way.

FAIR, REASONABLE, AND COST-BASED FEES. Local fees to attach small cells to locally-owned vertical infrastructure in public rights-of-way should be fair and reasonable, while ensuring the community receives full recovery of all costs of the attachment, consistent with state standards for municipally-owned utility infrastructure.

FAIR, REASONABLE, AND EFFICIENT PROCESSES. Small cells should be a "permitted use" statewide, subject to receiving wireless attachment or encroachment permit and compliance with all applicable health and safety codes and building codes.

Why SB649 Matters: Unleashing Investment and Benefitting Consumers and Communities.

With modernized rules in place, the wireless industry stands ready to invest \$275 billion to deploy 5G. This is on top of the \$200 billion already invested by wireless companies since 2010. Accenture predicts 5G investment will generate \$500 billion in economic growth, along with 3 million new jobs. Roughly 1 out of every 100 Americans will benefit from a new 5G job.

Consumers win because wireless data is projected to increase five-fold by 2021, and small cells will be key to meeting that demand. Communities win because next-generation networks mean \$160 billion in estimated benefits and savings from wireless-enabled smart city solutions—lowered energy use, reduced traffic and fuel costs, and improved public safety applications.



12,891

NEW JOBS
IN SAN DIEGO



\$5.98B

GDP GROWTH
IN LOS ANGELES



\$424M

WIRELESS INVESTMENT
IN FRESNO



\$280M

SMART CITY BENEFITS
IN SACRAMENTO