

# The Situation

Cities across California are not taking advantage of adaptive (connected) LED lighting installations

## Why?

Vast Majority of roadway lights are on flat-rate tariffs

Investor Owned Utilities (IOUs) give NO monetary reward for additional energy savings!

## The Result!

IOUs are guaranteed a consistent revenue stream!

Cities are limited in their ability to add Intelligent Transportation Systems (ITS), Internet of Things (IoT) or environmental sensors in new luminaires!

# California IOUs' limited LED Conversion Incentives

- IOUs only give incentives to convert to static level LED lighting (lights must be on IOU list)
- IOUs do not authorize a city to utilize a “smart meter” with its light as the Utility does on its electric and gas meters
- IOUs rarely allow additional electric loads on a light pole (non-conforming loads)
- IOUs mandate a fixed nightly Flat Rate that provides assurance of monthly revenues

# EXAMPLE

San Diego Gas & Electric LS-2 Rate

## LIGHTING - STREET AND HIGHWAY - CUSTOMER-OWNED INSTALLATIONS

- “Applicable for service to governmental agencies and lighting districts for the lighting of streets and highways.”
- Section 12. Lamp Loads: “All fixtures that include the **capability of adjustable lamp wattage** will be billed at the **maximum wattage** setting to calculate the lamp load.”

# EXAMPLE

Pacific Gas & Electric **LS-2 Rate**

## CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

### **2. SERVICE REQUIREMENTS: a) PHOTO CONTROLS:**

“This rate schedule is predicated on an electronic type photo controls meeting ANSI standard C136.10.”

### **3. SERVICE INSTALLATION f) Non-Conforming Load:**

“Any load, other than the lighting loads listed in the Rate table above, is non conforming load.” (some exceptions for limited loads may be granted by separate agreement)

# EXAMPLE

Southern California Gas & Electric **LS-2 Rate**

**LIGHTING - STREET AND HIGHWAY**

**CUSTOMER-OWNED INSTALLATION - UNMETERED  
SERVICE**

**SPECIAL CONDITIONS 4) Hours of Service:** Under SCE's standard All Night Service operating schedule approximately 4,140 hours of service per year will be furnished, and under SCE's standard Midnight Service operating schedule approximately 2,170 hours of service per year will be furnished. Service for other operating schedules is not available under this Schedule.

**SPECIAL CONDITIONS 14) Energy Efficient Street Lights:** All fixtures that include the capability of adjustable light wattage settings will be billed at the maximum wattage setting.