

# California Title 24 2013 Submetering Solutions

The smart, simple, single source  
for measurement & verification



## VerifEye™ Submetering Solutions for CA Title 24 2013 Compliance

**VERIFEYE OFFERS A COMPLETE AND COMPLIANT METERING SOLUTION FOR ANY PROJECT**

Section 130.5(a) of California Title 24 2013, Service Metering, requirements include user accessible metering of total electrical use from whole building to branch circuit monitoring. VerifEye Submetering Solutions include all components, including meters, communication products and software, to meter any facility's energy use and meet the code requirements.

VerifEye submetering solutions monitor, control and manage energy usage:

- Excellence comes standard—all equipment from a single source with a meter for any application
- Product selection assistance from VerifEye experts—our consultative approach tailors each project to our customer's needs
- Scalable—upgrade and diversify with future additions
- Reliability—innovation from the industry's energy management leader with over a century of proven performance

### PROBLEM

**California commercial facility must meet Title 24 2013 compliance requirements for service metering.**

- Must include user accessible metering of total electrical use per code requirements
- Must meet disaggregation of loads per code requirement
- Client does not have the time, expertise or resources to design a custom system from scratch
- Desire option to implement revenue-grade accuracy for tenant billing
- Would like to track the effectiveness of other Title 24 2013 energy efficiency upgrades and identify areas of improvement in overall energy management strategy
- Wants to combine real cost savings with code compliance

### SOLUTION

**VerifEye provides complete code compliant solution coverage, with unmatched service and support.**

- Meets all California Title 24 2013 requirements for Service Metering
- Discover energy-saving opportunities with energy cost center analysis, budgetary accountability and precise cost allocation
- Identify how energy is used in order to implement the most effective Title 24 energy saving programs
- Receive accurate details of energy use and demand from a specific circuit or a specific area to a complete building or complex
- Long-term cost savings of 15 to 20% by delivering revenue-grade accurate energy tracking

### Leviton Manufacturing Co., Inc. Global Headquarters

201 N. Service Rd. Melville, NY 11747-3138 • Tech Line: 1-800-824-3005 • Fax: 1-800-832-9538 • [www.leviton.com](http://www.leviton.com)  
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## Title 24 Section 130.5(a) & (b)

### Minimum Requirements for Metering of Electrical Load

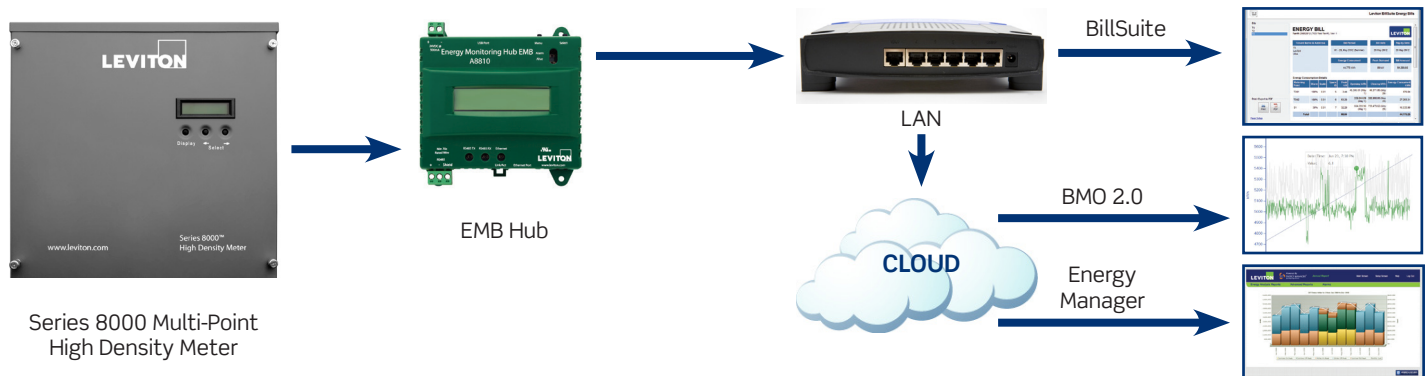
- Section 130.5(a) states that “each electrical service shall have permanently installed user-accessible metering of total energy use” per the table below
- Section 135.5(b) states that “electrical power distribution systems shall be designed to permit the disaggregated measurement of electrical load energy uses downstream from the service meter.”

Meter Type	Services Rated 50 kVA or Less	Services Rated More than 500kVA and Less than or Equal to 250 kVA	Services Rated More than 250 kVA and Less than or Equal to 1,000kVA	Services Rated More than 1,000kVA
Instantaneous (at the time) kW demand	Required	Required	Required	Required
Historical peak demand (kW)	Not required	Not required	Required	Required
Resettable kWh	Required	Required	Required	Required
kWh per rate period	Not required	Not required	Not required	Required



## Featured VerifEye Disaggregation Title 24 Submetering Solution

### Series 8000 Multi-Point High Density Meter

- Meets Title 24 Section 130.5(a) requirements for user accessible metering of total energy use and disaggregation of loads including instantaneous kW demand, historical peak demand, resettable kWh, and kWh per rate period requirements
- Allows for revenue-grade metering of up to 24 individual circuits in one device
- Measures kilowatt hours, KW demand, volts and amps
- Configurable via Ethernet or ModBus RTU network to BMS or VerifEye software solutions for tenant billing or measurement & verification (M&V)
- Native communications protocol—ModBus TCP, RS-485 and BACNet IP standard



Let us design a system for you! Visit [Leviton.com/verifeye](http://Leviton.com/verifeye) to learn more and connect with a VerifEye expert.

You Will Need		
	Series 8000 Phase Config Multi-Point High Density Meter S8xxx-xxx*	1
	EMB Hub A8810-000	1

\*Series 8000 Multi-Point High Density Meter available in multiple voltage configurations and residential/commercial & industrial versions. See data sheet for more information.

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### VerifEye Submetering Software Solutions

Several VerifEye software solutions are available for use with our submeters and communication systems. For more information on software solutions and how to choose the best option for your Title 24 code-compliant solution, visit [Leviton.com/verifeyesoftware](http://Leviton.com/verifeyesoftware).