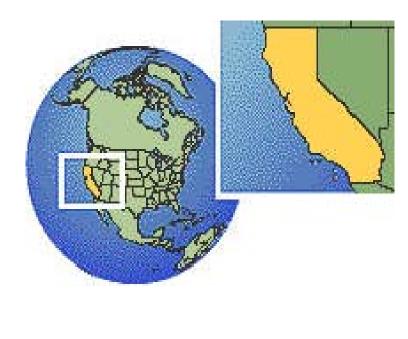


### SACRAMENTO MUNICIPAL UTILITY DISTRICT Sacramento, California, USA

### California



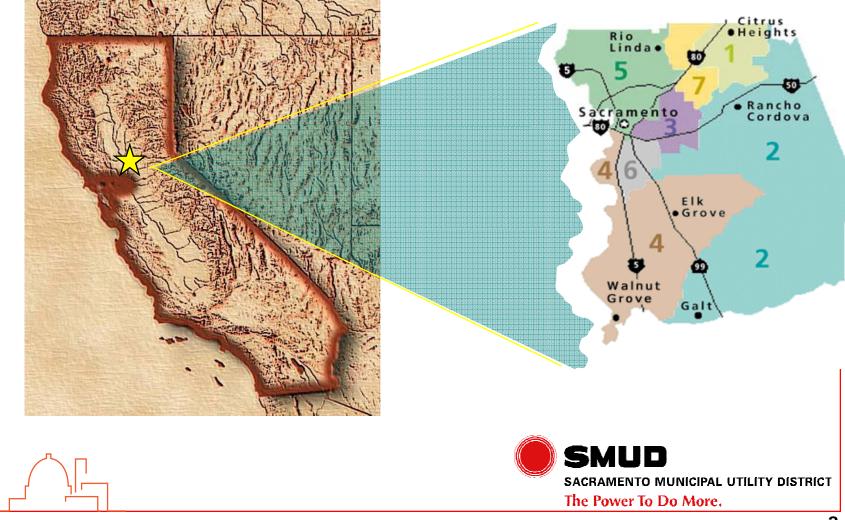
- •Most populous state in the USA
- •Area 159,000 sq. mi
- •Population 36,000,000
- •State since 1850 (31st)
- •State economy among largest in the world
- •Peak energy usage

53,896 MW





## Sacramento Municipal Utility District Serving the Capital Region



### Sacramento



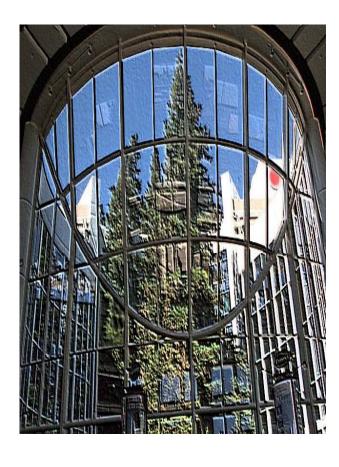
- Capital of California
- Gold discovered nearby in 1848



- Population 460,000 (city) and nearly 2 million in the metropolitan area
- According to TIME Magazine article the most diverse city in America – U.S. Census
- Government center, high tech and agriculture
- SMUD peak energy load 3,280 MW



### **Sacramento Municipal Utility District**



- Established December 31, 1946
- Service area 900 sq. miles
- Area population 1.4 million
- Total customers 585,500
- Total employees 2,197
- Revenues \$1.48 billion
- 5<sup>th</sup> largest municipal in U.S.



## **Governance Profile**

- Seven member Board of Directors
- · Popularly elected by ward
- Staggered four-year terms
- Representation  $\cong$  200,000 residents per Director
- Serve as regulatory body in accordance with statutory authority
- Decide all issues of policy
- Establish rates and conditions of service



SACRAMENTO MUNICIPAL UTILITY DISTRICT

The Power To Do More.

## **Our Customers**

- 585,500 service accounts
- 1.4 million residents



- 10.9 billion Kilowatt-hours in retail energy sales
- Total Residential sales: 4.7 billion kWh (43% of sales)
- Total Commercial/Industrial and Agricultural sales:
  6.2 billion kWh (57% of sales)
- Average kWh sale per residential customer: 8,982 kWh/yr

\*J.D. Power Rated #1 Residential & Commercial in the U.S.





### **Energy Resource Profile**

- •Renewable Energy 20 % (Biomass, Geothermal, Small hydro, Solar & Wind)
- •Coal 1 %
- •Large Hydro 17 %
  - Natural Gas
  - Nuclear

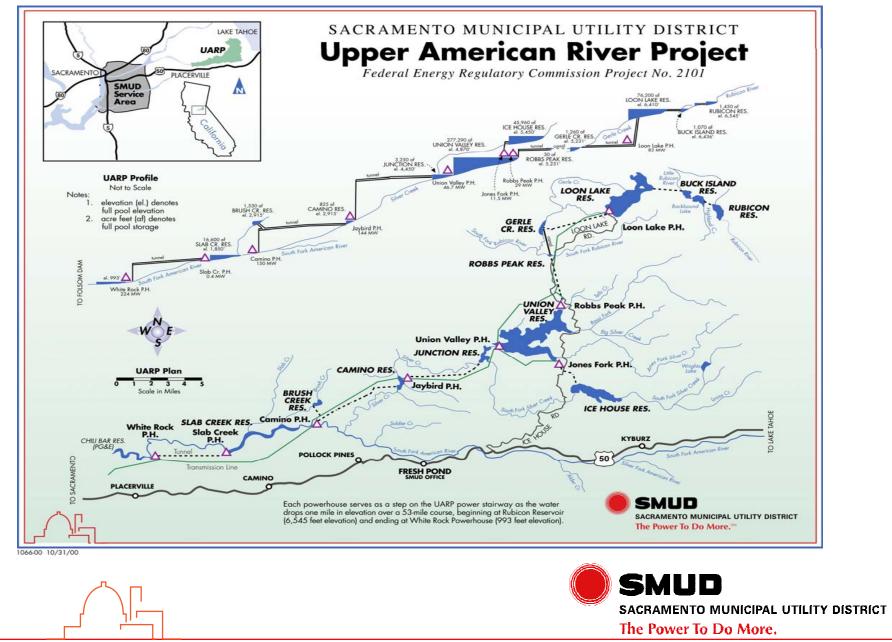
< 1 %

SACRAMENTO MUNICIPAL UTILITY DISTRICT

The Power To Do More.

62 %

#### Sacramento Municipal Utility District



## Load Profile

### Peak Loads

- 2005 Peak: 2,959 megawatts
- 2006 Peak: 3,280 megawatts
- 2007 Peak: 3,099 megawatts
- 2008 Peak: 3,086 megawatts
- 2009 Peak: 2,791 megawatts

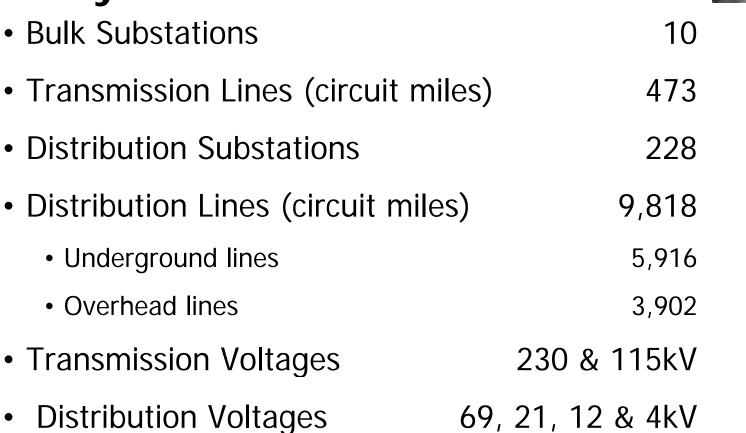
### 50% of Load is weather-sensitive

- Normal January peak: 1,550 megawatts
- Normal April peak: 1,350 megawatts
- Normal July peak: 2,600 megawatts
- Normal September peak: 2,300 megawatts
- Normal November peak: 1,400 megawatts





## Transmission/Distribution System Profile



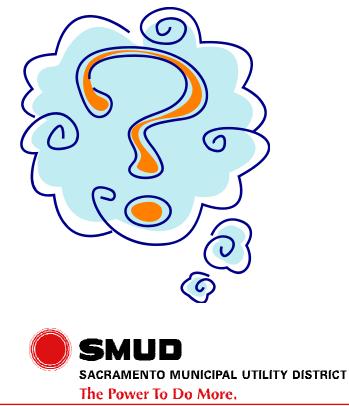






# **Questions?**





Sacramento Municipal Utility District

**More Information** 

### www.smud.org www.ourgreencommunity.org



### Thank You

Jaspal Deol, P.E.

Manager, T & D Substations, Network & Civil



