



Wed, January 28, 2015

[www.aee-sf.org](http://www.aee-sf.org)

## Association of Energy Engineers

### Tour of the Zero Net Energy Center

#### **AGENDA:**

5pm Arrival  
5:30 Tour  
6 Presentation  
6:30 Reception  
7:30 Conclusion

#### **VENUE:**

<http://www.znecenter.org/>  
14600 Catalina St  
San Leandro, CA 94577

#### **NO COST:**

Networking, Presentation,  
Appetizers, Beer, Wine,  
Tour

#### **RSVP:**

[joseph@olscontrols.com](mailto:joseph@olscontrols.com)

#### **ZNE Center Links:**

[ZNE Center in Forbes](#)

[Gov Brown ribbon cutting ZNE Center video](#)

[ZNE Center on "Electric TV"](#)

[ZNE Center on KTVU 2](#)

The Zero Net Energy Center (ZNE Center) is the first large-scale commercial building retrofit to meet the standards of the U.S. Department of Energy as “zero net energy”. It is also the new home of IBEW Local 595 and N.Cal Chapter of NECA’s Joint Apprenticeship and Training Program.

The ZNE Center serves as a national model for training and education for the electrical profession and the industry at large. The building exceeds the State of California’s 2030 energy efficiency effort by meeting the zero net goal 17 years in advance and also exceeds the energy conservation goals of the Obama administration’s Better Buildings Challenge.



Training Director Byron Benton, who also was Construction Manager overseeing planning, design and construction, will lead our tour. He will share how they achieved an unprecedented 75% reduction in energy compared to similar existing commercial buildings. This energy savings lowers the ZNE Center’s carbon footprint by 175 tons of CO<sub>2</sub> per year, equal to the carbon emitted by 30 passenger vehicles annually as well as a savings of 500 barrels of oil each year.

The building’s features include: Natural light & ventilation, Solar PV roof monitors, Solar tracking, Wind turbines, Thermal mass, Variable refrigerant flow system that cools and heats the building as well as helps to maintain domestic hot water temperatures, Real time energy “dashboard” to monitor performance.