

PATH TO ZERO NET ENERGY (ZNE) SCHOOL RETROFITS:

The Business of ZNE School Retrofits and Community Impact

Brought to you by the Investor-Owned Utility Proposition 39 ZNE Schools Pilot

Monday, November 27, 2017 - 1:00 p.m.-4:00 p.m.

Green California Schools & Community Colleges Summit and Expo, Pasadena, CA

Workshop Agenda

Learning Objectives:

1. Understand the process associated with retrofitting a school to ZNE.
2. Utilize lessons learned and approaches used by a current Prop 39 ZNE Pilot School.
3. Apply planning and technical tools needed to achieve successful zero net energy project planning, financing, design, construction, and operations.
4. Participants have access to zero net energy school experts and the opportunity to collaborate with other district staff as they brainstorm how to implement and support zero net energy school projects in their own communities.

12:30 – 1:00 PM	<i>Registration, Refreshments & Networking</i>
1:00 – 1:15 PM	Welcome <ul style="list-style-type: none">• <i>Workshop Goals & Expectations</i>
1:15 – 1:35 PM	Introduction: Zero Net Energy & Prop 39 <i>Presented by NBI and the SoCal Investor Owned Utilities</i> <ul style="list-style-type: none">• Ca ZNE Policy Context• Status Of Prop 39 ZNE Pilot Program In California Schools
1:35 – 1:45 PM	Process Of ZNE & Stakeholder Engagement <i>Presented by NBI</i> <ul style="list-style-type: none">• Gaining Support For The ZNE Vision - Stakeholder Engagement• Building Benchmarking• Setting a ZNE Target
1:45-2:15	ZNE Retrofit Case Study: San Francisco Unified School District <i>Nik Kaestner, San Francisco Unified School District, Director of Sustainability</i>
2:15 – 2:30 PM	<i>Break</i>
2:30 – 3:10 PM	Designing & Operating To ZNE <ul style="list-style-type: none">• Building Assessment• Selecting the Right Project Team• Integrated Design & Early Charrettes• Designing & Operating to The Target• Common Challenges to ZNE Performance• Addressing The Gap from Hand Off To Operations & Maintenance• Verifying Energy Use & Recognition of Success
3:15 – 3:45 PM	Activity: Paths to ZNE Worksheet
3:45 – 4:00 PM	Closing Discussion