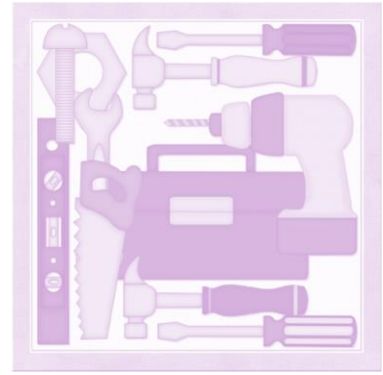


# ZERO NET ENERGY SHOPTALK

Thursday, November 16, 10 am to 12 noon  
UCR – Palm Desert



Today's featured industry experts will tell us what Zero Net Energy (ZNE) means, different techniques they have already tried, what worked and what didn't. Shoptalk will share with you those resources that are available to educate you as a building professional about ZNE and how to implement some of the different techniques. With the building and energy codes changing, it will be easier to implement if we know the basics behind the need for change and how to best accomplish for maximum success. We want to give you a head start in this transition, give you some tools to work with, increase your knowledge, and remove the barriers in the move to more efficient, less expensive and more comfortable homes and buildings.

## WELCOME

Honorable Jan Harnik / Mayor, City of Palm Desert - *Sensible sustainability*

## WHY ZNE, SCIENCE AND REQUIREMENTS

Kavita Rodrigues / California Advanced Homes Program, Southern California Edison -  
*What is ZNE, the coming regulations, and what they are based on*

Darren Hanway / Energy Efficiency Program Manager, Southern California Gas Company -  
*Broad strokes & what we can get started on. Here's how So Cal Gas can help*

## RESOURCES, WHERE AND HOW

Russell Fortmeyer / United States Green Building Council –  
*Technology, materials, resources, monitoring and websites to help.*

Dan Krekelberg / Program Manager, WISE – *Building and contractor training and resources*

Jon Caffery / Director, Energy Programs, College of the Desert - *Building our valley's future workforce*

## DESIGN AND IMPLEMENTATION

Maria Song / Architect, Interactive Design - *Sharing the experience of designing for ZNE*

Brad Shuckhart / President of California Division, Freehold Communities –  
*Creative ways for developers to design projects specific to the communities*

Frank Harrison / President, General Air Conditioning & Heating – *Adapting your business model to a changing market*

Lance O'Donnell / Architect, O2 Architecture –  
*Identifying geographic and social specifics of the project*

## ABOUT THE PRESENTERS . . .

### **Kavita Rodrigues**

*Ms. Rodrigues joined Southern California Edison in 2011 as the engineer for the California Advanced Homes Program. She has worked as an architect in India and a technical analyst for So Cal Gas Savings by Design program. [Kavita.Rodrigues@sce.com](mailto:Kavita.Rodrigues@sce.com)*

### **Darren Hanway**

*Mr. Hanway has been the Energy Efficiency Program Operations Manager at Southern California Gas Company since 2012. Prior to that he was at SCE in several positions, including Manager of Regulatory Reporting & Analysis. [Dhanway@semprautilities.com](mailto:Dhanway@semprautilities.com)*

### **Russell Fortmeyer**

*Mr. Fortmeyer is a design journalist, electrical engineer, and sustainable technology specialist with the Los Angeles office of the global engineering firm, Arup. He is on the faculty at the Southern California Institute of Architecture and lectures in several architecture schools. [russell.fortmeyer@arup.com](mailto:russell.fortmeyer@arup.com)*

### **Dan Krekelberg**

*Mr. Krekelberg is a building energy consultant who manages a CEC-sponsored training program that helps the building industry comply with the new code requirements for Zero Net Energy construction. [DKrekelberg@ConSol.ws](mailto:DKrekelberg@ConSol.ws), [www.wisewarehouse.org](http://www.wisewarehouse.org)*

### **Jon Caffery**

*In his current position as Director of Energy Programs at College of the Desert, Mr. Caffery is involved with programs to help serve the need for highly skilled workers in California's advanced energy industry. In his prior career, he was founder and owner of Caffery Electric Inc. and First Priority Mortgage, Inc. from 1985 to 2007. [jcaffery@collegeofthedesert.edu](mailto:jcaffery@collegeofthedesert.edu)*

### **Maria Song**

*Ms. Song is the vice-president and director of operations at Interactive Design Corporation. She has led the team on the development of construction plans and construction administration of public facilities projects, CDBG-funded program projects, and multi-family housing projects in the Coachella Valley. [maria@interactivedesigncorp.com](mailto:maria@interactivedesigncorp.com)*

### **Brad Shuckhart**

*Mr. Shuckhart is the division president for California for Freehold Communities. Over the course of his career, Mr. Shuckhart has led the acquisition and development of more than a dozen master-planned communities in California, Nevada, and Texas, with a total sellout value in excess of \$2 billion. [bjs@freeholdcommunities.com](mailto:bjs@freeholdcommunities.com)*

### **Frank Harrison**

*With decades of serving the Coachella Valley, Mr. Harrison has built his company by constant re-evaluation of the market and educating his staff for upcoming trends. A large part of the General's business is connected to providing the most energy efficient products available. [frank@CALLTHEGENERAL.COM](mailto:frank@CALLTHEGENERAL.COM)*

### **Lance O'Donnell**

*Mr. O'Donnell, an architect and fourth-generation Coachella Valley resident, credits his design sensibility to a keen knowledge of his environment — the desert's temperature changes, the angles of the sun, the age of its boulders. [lance@o2arch.com](mailto:lance@o2arch.com)*

## OTHER HELPFUL LINKS:

<https://gettingtozeroforum.org/zero-energy-resources/>

<http://www.energy.ca.gov/title24/2019standards/prerulemaking/documents/>

<https://newbuildings.org/hubs/zero-net-energy/>

<http://www.californiaznehomes.com/>