

# Building the All Electric City

Date: January 8th 2:00 - 5:00pm

Location: 25 Van Ness, Sixth Floor (San Francisco Department of Public Health’s Offices)

Hosted by: Supervisor Mandelman and San Francisco Department of Environment (SFE)

## Objectives for the meeting:

- Provide opportunities to learn from other cities in the Bay Area about eliminating natural gas from new construction.
- Understand the technology behind building decarbonization, electrification, and renewable electricity
- Ensure that equity and climate justice principles are maintained throughout the design and implementation of new legislation

Time	Topic
1:30-2:00	<b>Coffee, Registration, and Networking</b>
2:00-2:15	<b>Introduction</b> <ul style="list-style-type: none"> <li>● Welcome – Supervisor Mandelman</li> <li>● Setting the stage for the day – Debbie Raphael, Director of SFE</li> </ul>
2:15- 2:45	<b>Governance: How Cities are Eliminating Natural Gas</b> With concerns about natural gas's impact on climate change rising, many California cities have started passing bans on new natural gas hookups in commercial and residential buildings. Berkeley was the first, and San Jose was the largest city to eliminate the use of natural gas from new construction. This panel will look at how these cities got the job done and the different types of governance challenges around stakeholder engagement, policy and risk. <ul style="list-style-type: none"> <li>● Ken Davies– City of San José</li> <li>● Billi Romain – City of Berkley</li> </ul>
2:45-3:15	<b>Technology: Building all electric – What will it take?</b> Technology and design will play a leading role in decarbonizing energy, and many questions must be answered to ensure a successful transition. Implementing large-scale electrification (i.e., adding significant new loads) and decarbonization will add new challenges while also presenting big new opportunities. This panel will discuss what technologies will play a role in designing all-electric buildings and discuss market and regulatory barriers. <ul style="list-style-type: none"> <li>● Stet Sanborne - SmithGroup</li> <li>● Hilary Noll – Mithun</li> </ul>
3:15-3:45	<b>Labor and Equity: Ensuring decarbonization strategies enhance equity and provide a ‘just transition’ for workers</b> To reduce climate change threats effectively, cities must embrace a comprehensive approach that includes strategies that increase economic opportunities and advance the transition toward renewable energy sources. At the same time, these strategies must address legacy social, economic, and environmental inequality. This panel will discuss how we design all-electric city strategies that work for everyone. <ul style="list-style-type: none"> <li>● Alex Lantsberg – San Francisco Electrical Construction Industry</li> <li>● Betony Jones – Inclusive Economics</li> </ul>
3:45-3:55	<b>Break</b>
3:55-4:40	<b>Group Exercise: Activating Government, Business, and Community Based Organizations</b> Opportunities and Challenges for Governance, Technology, Labor, and Equity
4:40-4:50	Report back on group exercise
4:50 -5:00	Commitments and movement forward

## **Panel Speakers Biographies**

### **Alex Lantsberg, Research and Advocacy Director, San Francisco Electrical Construction**

Alex Lantsburg is the Research and Advocacy Director for the San Francisco Electrical Construction Industry, the labor-management cooperation committee of IBEW Local 6 & the SF Electrical Contractors Association. He holds a Master of City Planning from UC Berkeley and a Bachelor's in Finance from Northern Illinois University and brings nearly 20 years of experience at the intersection of environmental and economic justice, infrastructure, and workforce development.

### **Betony Jones, Founder, Inclusive Economics**

Betony Jones is the founder of Inclusive Economics, a research and advising firm focused on the link between workforce and climate issues. She has written published several reports on the economic and employment effects of California's climate policies, including the recently published, "California Building Decarbonization Workforce Needs and Recommendations". Prior to starting Inclusive Economics, she was the Associate Director of the Green Economy program at the UC Berkeley Labor Center.

### **Billi Romain, Sustainability Manager, City of Berkeley**

Billi Romain is the Sustainability Manager for the City of Berkeley. Mrs. Romain has over 20 years of experience in community engagement and outcomes-based environmental programs. She led the multi-year consensus-based process that resulted in the Building Energy Saving Ordinance, designed to meet the Climate Action Plan goal of accelerating energy savings in existing buildings. Her most recent work has focused on applying an equity analysis on building electrification projects to enhance resiliency while reducing greenhouse gas emissions. She is Co-Chair of the USDN Deep Decarbonization peer learning group and an active member of the Green Cities California Steering Committee.

### **Hilary Noll, Sustainability Integration Leader, Mithun Architects**

Hilary is an architect and social-impact designer specialized in sustainability, combining exemplary design with building and site performance, human health and social equity. As a Senior Associate and Sustainability Integration Leader at Mithun, she works on multifamily housing, resiliency planning and the pursuit of regenerative, carbon-neutral projects. A background in environmental science and community organizing informs her design approach of working with local stakeholders in a participatory process to achieve place based, bioregional solutions.

### **Ken Davies, Deputy Director Climate Smart San José, City of San José**

Ken Davies is the Deputy Director over Climate Smart San José with the City of San José's Environmental Services Department and has been with the department since 1999. His current assignment has him leading a dynamic group of passionate environmental staff doing their best to achieve a sustainable future. In his career path with San José, Ken has worked on a wide variety of environmental programming, including water conservation, recycled water, watershed protection, ISO 14001, regulatory compliance, emergency operations, and sustainability initiatives.

### **Stet Sanborn, Principal and Engineering Group Lead, Smithgroup**

Stet Sanborn is a Principal and Engineering Group Lead for Smithgroup's San Francisco office. Having both an engineering background as well as his Architecture License, Stet focuses on the integration of high performance building enclosures with advanced building systems. He is a leading voice in statewide decarbonization efforts, Net-Zero Energy design and research into transformational technology allowing for grid optimization and electrification.