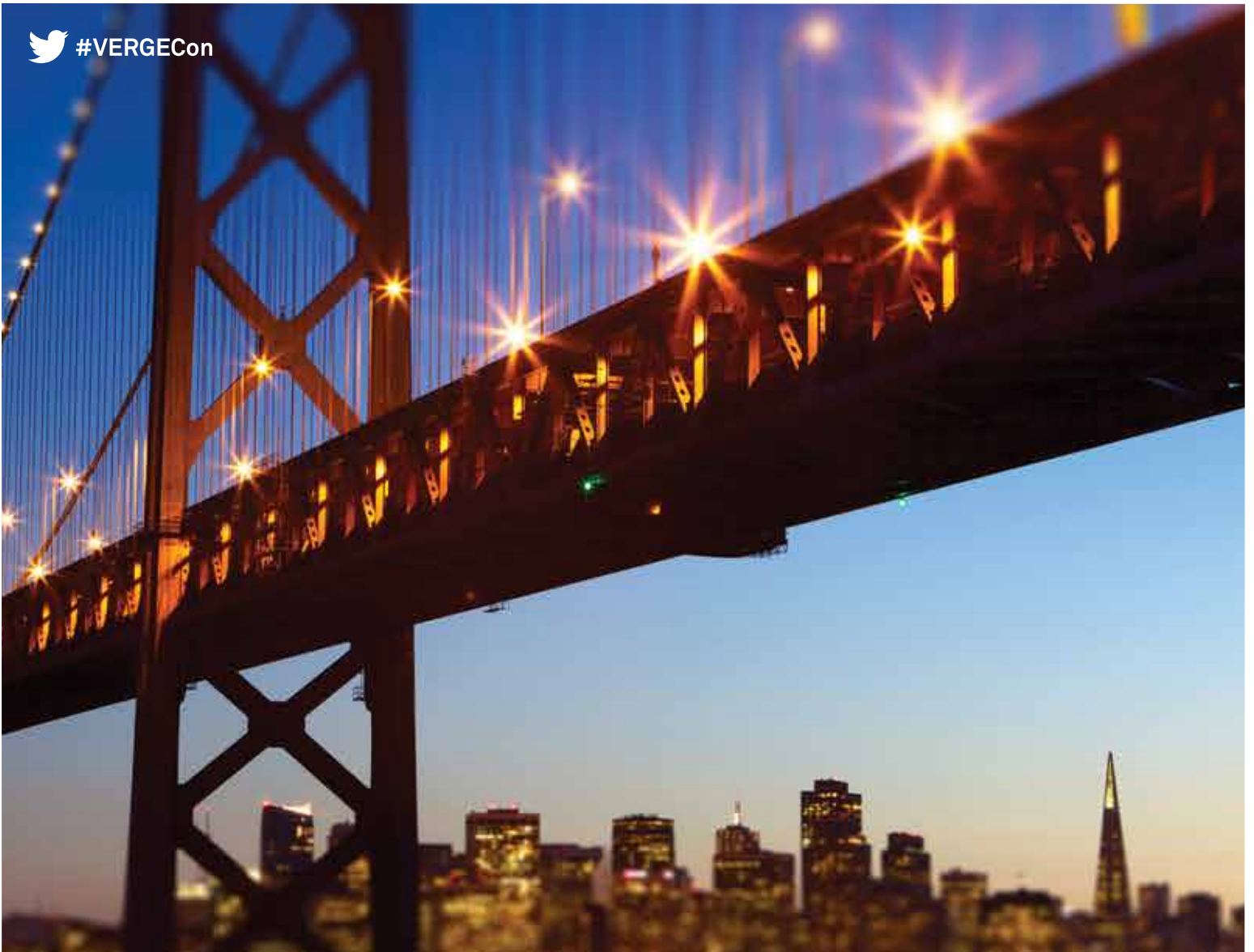


 #VERGECon



VERGE[®]

where tech meets sustainability

OCTOBER 14-17, 2013

The Palace Hotel, San Francisco CA



GreenBiz
group



Welcome To **VERGE**

On behalf of all my colleagues at GreenBiz Group, welcome to VERGE SF 2013!

As you'll see, our program is bigger than ever, with 100 sessions and 250 speakers across the worlds of technology, sustainability, cities and startups. While our six tracks have evolved, our mission remains the same: to catalyze the thinking and connections that create and accelerate solutions to the world's most pressing social and environmental challenges.

VERGE is designed intentionally to be interactive and practical, from the workshops to the microgrid to the networking events. We encourage you to attend sessions outside of your area of focus, talk to people with whom you don't usually interact and be open to new opportunities.

Our hope is that this is a true convergence of technology and sustainability — and also of people, visions and interests. We look forward to hearing your thoughts and welcome your feedback on how to continually improve your VERGE® experience.

Sincerely,

Elaine Hsieh

Program Director & Senior Analyst, VERGE

PROGRAM TRACKS

Converging technologies, new financing models, and policy breakthroughs allow companies and their partners to leverage innovations to seize emerging opportunities. Topics to be addressed at VERGE SF include:



FOOD-ENERGY-WATER NEXUS

How companies are balancing the trade-offs among energy, water and food in order to reduce risk, as well as rethinking production and delivery systems.



RESILIENT CITIES

The technologies, partnerships, and innovative business models that are changing the way cities increase resilience and deliver enhanced services.



NEW ENERGY SYSTEMS

How businesses, utilities, investors, and regulators are adjusting to disruptive market shifts to become cleaner, more resilient, and more profitable.



SMARTER SUPPLY CHAINS

How big data, sensors and analytics tools are transforming logistics to increase manufacturing and transport efficiency and resilience.



NEXT-GEN BUILDINGS

The technologies, financing models, data intelligence, software and integrated design strategies that are making buildings more efficient, even regenerative.



SUSTAINABLE MOBILITY

Connectivity, real-time data flows, autonomous technology, and other innovations that enable smarter and more efficient transportation systems.



BIZZABO QR CODE

BIZZABO

See who is attending VERGE and view full session details on your mobile device.

- Download Bizzabo from iTunes App Store or Google Play.
- Search for : VERGE SF 2013
- Join!

SPECIAL PROGRAMS

VERGE 25 AWARDS

The VERGE 25 awards honor and celebrate individuals at the forefront of the convergence of technology and sustainability. These individuals are helping to design tomorrow's companies, communities and cities.

Each year, we pick the 25 people most worthy of recognition -- with your help. Your nominations will become the basis of the candidates chosen by our readers and editors in September, the 25 winners to be feted at VERGE SF and on GreenBiz.com.

VERGE ACCELERATE

VERGE Accelerate is a pitch competition that provides entrepreneurs the opportunity to get in front of the diverse VERGE community: corporate executives from the largest companies in the world, officials from progressive cities, thought leaders and others.

Selected companies give a 2.5-minute pitch-style presentation from the main stage to the VERGE SF audience and live-streamed to a global audience and video captured for archive.

VERGE INTERCONNECT

VERGE Interconnect will be powered by an operational, temporary and replicable microgrid, a living and vivid demonstration of the potential of distributed energy generation and smart systems. As the interactive showcase component of VERGE SF, it will highlight the leading advancements in energy, information, building and transportation technologies.

VERGE Interconnect is supported in partnership by the San Francisco Mayor's Office of Civic Innovation and the San Francisco Department of Environment, a formal component of the city's October Innovation Month.

DATA CENTER DAY

Data Center Day, a conference within the VERGE SF conference, is a one-day event held on Wednesday, October 16 exploring next-generation efficiencies for data centers. The focus is data centers from the corporate ecosystems perspective, bringing together key parts of the value chain: hardware and software companies, data center and facility managers, energy and sustainability executives, and data users in both the corporate and public sectors.



AFTER DARK PARTY @ TEMPLE- Co-Hosted by VERGE & Code for America

WEDNESDAY OCT. 16, 8-11PM

Join fellow industry leaders and change makers as VERGE and Code for America combine forces to cross-pollinate our communities in a special evening of connection, music and more.

Event Program

TUESDAY OCTOBER 15

GENERAL SESSIONS

7:45-8:45	Breakfast & Registration
8:45-9:00	Welcome -with Eric Faurot (GreenBiz)
9:00-9:25	The Future Is Distributed - Tim O'Reilly (O'Reilly Media), Danny Kennedy (Sungevity) with Eric Faurot (GreenBiz)
9:25-9:35	When Corporates Outlive Their Usefulness - Jeremiah Owyang (Crowd Companies)
9:35-9:50	The Industrial Internet and Big Data Analytics - Paul Rogers (GE), with Joel Makower (GreenBiz)
9:50-10:00	How 3D Printing Changes Cars Forever - Jim Kor (Kor Ecologic)
10:00-10:30	VERGE Accelerate
10:30-11:00	Break
11:00-11:10	The Power of People-Smart Buildings - Tanuj Mohan (Enlighted), John Picard (HP Energy)
11:10-11:40	Creating a Cleaner, Smarter Grid - David Yeh (US Dep't of Energy LPO), Steve Malnight (PG&E), Ken Locklin (Impax Asset Management), George Denise (Adobe) with Heather Clancy (GreenBiz)
11:40-11:55	The Power of Open Innovation - Kevin McGinnis (Sprint) with Joel Makower (GreenBiz)
11:55-12:05	Clean Energy Manufacturing Challenges and Opportunities - David Danielson (US Dep't of Energy EERE)
12:05-12:30	The Biology of Technology - Paul Hawken with Joel Makower (GreenBiz)"
12:30-1:45	Lunch

CONCURRENT SESSIONS

1:45-2:45

The Role of Vehicles in Demand Response RM: Telegraph Hill
Mike Tinskey, Ford; Ron Mahabir Greenlots; **John Gartner**, Navigant Research ●

Financing Techniques for Energy Market Transformation RM: Pacific Heights
Mark Ferron, CPUC; Billy Parish, Mosaic; Aaron Daly, Whole Foods Market;
Peter Kelly-Detwiler, NorthBridge Energy Partners, LLC ●

Open Data: From Transparency to Growth RM: Seacliff
Jonathan Reichental, City of Palo Alto; **Diego May**, Junar; **Jed Kolko**, Trulia;
Steven Ramirez, Beyond the Arc; **Jennifer Bélissent**, Forrester Research ●

Beyond Zero: A Holistic Look at Building Systems RM: Presidio
Ted van der Linden, DPR Construction; **Taylor Keep**, VITAL Environments; **Peter Rumsey**, Integral Group; **Doug Norwood**, Sacramento Municipal Utility District;
Scott Tew, Ingersoll Rand; **Heather Clancy**, GreenBiz ●

How Tech Revolutionizes Food Systems RM: Marina
Ali Partovi, Investor; **Naithan Jones**, AgLocal; **Paul Lightfoot**, BrightFarms;
Danielle Gould, Food+Tech Connect ●

Bridging the IT-Sustainability Gap RM: Twin Peaks North
John Schulz, AT&T; **David Lear**, Dell; **Josh Gerber**, Sempra Utilities;
Marianne Turley, Kaiser Permanente; **John Davies**, GreenBiz Group ●●

The Role of Manufacturing in Clean Energy Competitiveness RM: Twin Peaks South
Charles Gay, Applied Materials; **Steven Visco**, PolyPlus; **Elizabeth Wayman**, US Department of Energy ●●

3:00-4:00

Electrifying Fleets RM: Telegraph Hill
Eric Schwarz, Enterprise; **Michael Brylawski**, Vision Fleets; **Keith Leech**, City of Sacramento; **Ben Holland**, Securing America's Future Energy ●●

Collective Leadership as the Key to Urban Efficiency RM: Pacific Heights
Melissa O'Mara, Schneider Electric; **Mark Gander**, AECOM; **Yiaway Yeh**, Metro Government of Nashville and Davidson County; **Jiang Lin**, The Energy Foundation;
Nicole Boyer, Adaptive Edge ●

Innovating Management of City Resources RM: Seacliff
Laura Spanjian, City of Houston; **Colin Tetrault**, City of Phoenix;
Emma Stewart, Autodesk; **Mohammed Al-Shawaf**, Sustainability ●

Big Data and the Built Environment RM: Presidio
Chris Pyke, U.S. Green Building Council; **Paul Mathew**, Lawrence Berkeley National Laboratory; **Josh Emig**, Perkins + Will; **Harry Hobbs**, InterContinental Hotels; **Lindsay Baker**, Building Robotics ●

The Internet of Things Meets Realtime Media RM: Marina
David Friedman, Ayla Networks; **Eric Miller**, SCVsoft;
Stacey Higginbotham, GigaOm ●●●●●●

Solving the Last-Mile Logistics Challenge RM: Twin Peaks North
Rob Howard, Ensenda; **Paul Johnson**, Descartes Systems Group; **John Davies**, GreenBiz Group ●

Water Tech Innovations from Startups to Corporates RM: Twin Peaks South
Greg Ryan, Pasteurization Technology Group; **Marty Reed**, The Roda Group;
Michael George, WedBush Securities; **Scott Bryan**, Imagine H2O ●

2:45-3:00 Transition

CONCURRENT SESSIONS

4:00-4:30

Break

4:30-5:30

The Future of Parking RM: Telegraph Hill

Kelly Schwager, Streetline, Inc.; Jay Primus, San Francisco Municipal Transportation Agency; Paul Wessel, Green Parking Council; John Gartner, Navigant Research ●●●

The Distributed Energy Paradigm Shift RM: Pacific Heights

Richard Caperton, Center for American Progress; Chris Nelder, GetRealList; Josh Gerber, Sempra Utilities; Stephen Lacey, Greentech Media ●

The Shareable City RM: Seacliff

Molly Turner, Airbnb; John Zimmer, Zimride & Lyft; April Rinne, Collaborative Lab; Gabriel Metcalf, SPUR ●

Smart Buildings, Smart Campuses, Smart Cities RM: Presidio

Rob Bernard, Microsoft; Debra van Duynhoven, Green Building Executive ●●●

What 3D Printing Means for Sustainability RM: Marina

Jeremy Faludi, Faludi Design; Andrew Rutter, Type A Machines; Allison Pieja, Mango Materials; David Dornfeld, University of California at Berkeley ●●●●●

Creating Wealth Through Efficient Buildings RM: Twin Peaks North

Dianna Berry, Colliers International; Erik Larson, Building Energy; Matt Golden, Efficiency.org; Joshua Kagan, Carbon War Room ●

5:30-7:00

VERGE Interconnect Opening & Networking Reception

WEDNESDAY OCTOBER 16

GENERAL SESSIONS

7:45-8:45

Breakfast & Registration

8:45-8:55

Welcome

8:55-9:15

The Road to 100% Renewables- Lisa Jackson (Apple) with Joel Makower (GreenBiz)

9:15-9:25

What Tiny Interconnected Sensors Mean for Sustainability- Jeremy Walker (IOTA Computing)

9:25-9:40

The Financial Case for Refreshing Data Centers- Mike Lucki (CH2MHill) with John Davies (GreenBiz)

9:40-9:45

Toward a 21st Century Electricity System- Hemant Taneja (General Catalyst Partners)

9:45-9:50

How Microgrids Are Transforming the Energy Ecosystem- Sunil Cherian (Spirae)

9:50-10:05

'The Legacy of Good' Plan- Trisa Thompson (Dell) with Heather Clancy (GreenBiz)

10:05-10:20

The Future of Data Centers- Joe Kava (Google) with Joel Makower (GreenBiz)

10:20-10:30

Playing Games for Good- Gabe Zichermann (Gamification.co)

10:30-11:00

Break

11:00-11:30

Opportunities at the Nexus of Food, Energy, Water-

Will Sarni (Deloitte), Ashley Nixon (Shell), Sarah Alexander (Field to Market) with Joel Makower (GreenBiz)

11:30-11:40

The Triple-Bottom-Line Infrastructure- Claire Bonham-Carter (AECOM)

11:40-11:55

How Technology Transforms Institutions- Jonathan Koomey (Stanford) with Joel Makower (GreenBiz)

11:55-12:05

One Dashboard to Rule Them All- Dean Nelson (eBay)

12:05-12:30

Disrupting Solar (Again)- Lyndon Rive (Solar City)

12:30-1:45

Lunch

DATA CENTERS
SUSTAINABLE MOBILITY
SMARTER SUPPLY CHAINS
RESILIENT CITIES
NEXT-GEN BUILDINGS
NEW ENERGY SYSTEMS
FOOD-ENERGY-WATER NEXUS
TRACK IDENTIFICATION:

WEDNESDAY OCTOBER 16

CONCURRENT SESSIONS

1:45-2:45

Accelerating the EV Infrastructure RM: Telegraph Hill

Terry O'Day, NRG eVgo; Ray Jenks, Recargo; Jason Wolf, CollaboratEV; Richard Lowenthal, ChargePoint; Ben Holland, Securing America's Future Energy ●

Gamification for Business Value Creation RM: Pacific Heights

Gabe Zichermann, Gamification.Co ●●●●●●

How Cities Harness M2M for Buildings RM: Seacliff

Dan Probst, Jones Lang LaSalle; John Schulz, AT&T; Matt Hatton, Machina Research; Stephen Gordon, VMware; Matt Cullinan, Carbon War Room ●●

The Lifecycle Impacts of Data Centers RM: Presidio

Pierre Delforge, NRDC; John Pflueger, Dell; Christophe Garnier, Schneider Electric; Mark Monroe, DLB Associates; Kathrin Winkler, The Green Grid ●●●●

How the Data Center Model Must Evolve RM: Marina

Patrick Flynn, IO; Peter Gross, Bloom Energy; Dale Sartor, Lawrence Berkeley National Laboratory; Jonathan Koomey, Stanford Steyer-Taylor Center on Energy Policy & Finance ●●

Making Food Production Resilient at Kroger RM: Twin Peaks North

Tim Crowder, Kroger; Nick Whitman, FEED Resource Recovery; Heather Clancy, GreenBiz ●●

Building the 21st Century Electricity System RM: Twin Peaks South

Dian Grueneich, CPUC; Arno Harris, Recurrent Energy; Hemant Taneja, General Catalyst Partners ●

2:45-3:00 Transition

3:00-4:00

The Internet of Cars and the New World of Driving RM: Telegraph Hill

Jay Giraud, Mojo; Jeff Artzi, OOROO; Kurt Buecheler, Streetline; Dan Cauchy, Xona Partners ●

Data Center Resilience in a Post-Sandy World RM: Pacific Heights

Stephen Gordon, VMware; Dean Nelson, eBay; Rob Bernard, Microsoft; Jake Carnemark, Aligned Energy; Bob Savage, Inertech ●●●

Accelerating the Civic Innovation Agenda RM: Seacliff

Jay Nath, City of San Francisco; Bill Harrison, City of Fremont; Michael Yarne, Up Urban; Peter Hirshberg, The Reimagine Group ●

Connected Commuting RM: Presidio

Scott Kolber, Roadify; Di-Ann Eisnor, Waze; Alex Bayen, University of California at Berkeley; Manuel Pineda, City of Sunnyvale; Naureen Kabir, New Cities Foundation ●●

Tackling the Colo Conundrum RM: Marina

Nicole Peill-Moelter, Akamai Technologies; Sukrit Sehgal, Quality Technology Services; Rob Bernard, Microsoft; KC Mares, MegaWatt Consulting; Hans Huberland, Rackspace ●●●●

Optimizing Energy, Water, and Buildings to Scale RM: Twin Peaks North

Fran Weld, San Francisco Giants; Cole Roberts, Arup; Bry Sarté, Sherwood Engineers; Clark Brockman, SERA Architects; Heather Clancy, GreenBiz ●●●

Confronting the Food-Energy-Water Nexus RM: Twin Peaks South

Robyn Beavers, NRG Energy; Will Sarni, Deloitte; Sarah Alexander, Field to Market; Joel Makower, GreenBiz ●

4:00-4:30

Break

4:30-5:30

The Future of Fuels: Creating Cleaner Fleets RM: Telegraph Hill

Bruce Rauhe, Walt Disney Imagineering; John Boesel, CALSTART; Eric Olson, BSR ●

The Macro View of Microgrids (featuring VERGE Interconnect) RM: Pacific Heights

Leia Guccione, Rocky Mountain Institute + Representatives from Spirae, All Power Labs, Sungevity, NRG Energy, and The Palace Hotel ●

Cleantech and Cleanweb: Investing, Implementing, Innovating RM: Seacliff

Marianne Wu, Independent Advisor; Brook Porter, Kleiner Perkins Caufield Byers; Mitch Lowe, Greenstart; Ricardo Angel, GE Energy-Ventures; Carrie Norton, BASE CAMP ●●●●●●

Resilient Cities at a District Scale RM: Presidio

Kate McGee, SF Planning Department; Suzanne Burnes, Sustainable Atlanta; Bry Sarté, Sherwood Engineers; Dan Vizzini, Thetus Corporation ●●

The State of Storage from Grid-Scale to Behind-The-Meter RM: Marina

Ben Kaun, Electric Power Research Institute (EPRI); Daidipya Patwa, PG&E; Stephen Kelley, Green Charge Networks; Janice Lin, California Energy Storage Alliance ●

Overcoming Challenges In Net Zero Energy Retrofits RM: Twin Peaks North

Whitney Dorn, DPR Construction; Bob Smith, Eaton; Pierre Delforge, NRDC; Kristina Skierka, Katalytix; Heather Clancy, GreenBiz ●●●

The Future of Low-Carbon Internet Power RM: Twin Peaks South

Dean Nelson, eBay; Jim Grice Partner, Lathrop & Gage LLP; Ryan Schuchard, BSR ●●

5:30-7:00

VERGE Interconnect Opening & Networking Reception

8:00-12:00

AFTER DARK PARTY @ TEMPLE NIGHTCLUB- Co-Hosted by VERGE & Code for America

THURSDAY OCTOBER 17

GENERAL SESSIONS

7:45-8:45

Breakfast & Registration

8:45-8:55	Welcome
8:55-9:25	The Data Driven City- TBD (pending Government Shutdown)
9:25-9:35	America's Grand (Sustainability) Strategy- Mark "Puck" Mykleby (New America Foundation)
9:35-9:50	Harnessing Human Systems to Enable Smarter Cities- Melissa O'Mara (Schneider Electric) with Heather Clancy (GreenBiz)
9:50-10:00	Listening to the Vines to Make Better Wines- Thibaut Scholasch (Fruition Sciences)
10:00-10:30	VERGE Accelerate
10:30-11:00	Break
11:00-11:20	Turning Cars Into Batteries- Paul Pebbles (GM, Smart Grid & EV), Brent Hollenbeck (TimberRock), Rob Threlkeld (GM, Renewables) with Joel Makower (GreenBiz)
11:20-11:30	VERGE Talk
11:30-12:00	The Power of Proving What's Possible- Jason McLennan (International Living Future Institute), George Salah (Apparent Inc.) with Elaine Hsieh (GreenBiz)
12:00-12:30	How Utilities and Disruptors Play Well Together- Robyn Beavers (NRG), Matt Rogers (Nest) with Joel Makower (GreenBiz)
12:30-1:45	Lunch

CONCURRENT SESSIONS

1:45-2:45
<p>The Practicality of Autonomous Trucking RM: Telegraph Hill</p> <p>Josh Switkes, Peloton Technology, Inc.; Mihai Dorobantu, Eaton Corporation; Mike Roeth, North American Council for Freight Efficiency; Chris Shimoda, California Trucking Association ●</p>
<p>How Big Data Accelerates Energy Efficiency Markets RM: Pacific Heights</p> <p>Jan Berman, PG&E; Jerry Meek, Genentech; Kuenley Chiuz, C3 Energy; Robert Austin, Eaton; Heather Clancy, GreenBiz ●</p>
<p>Climate Adaptation: Lessons from the Leaders RM: Seacliff</p> <p>Melanie Nutter, City of San Francisco; Sadhu Johnston, Vancouver; Deborah Feng, NASA Ames Research Center; Michael McCormick, State of California Governor's Office of Planning and Research; Brian Holland, ICLEI ●</p>
<p>Results Driven Building Optimization Strategies RM: Presidio</p> <p>Leo O'Loughlin, Jones Lang LaSalle; Brian Dauskurdas, Lutron Electronics; Dan Probst, Jones Lang LaSalle ●</p>
<p>How Big Data Is Transforming Sustainability In Manufacturing RM: Marina</p> <p>David Morgan, Shaw Industries Group; Steven Miller, Steelcase; Nicole Boyer, Adaptive Edge ●</p>
<p>Can Metrics Make Food Better? RM: Twin Peaks North</p> <p>Robin Connell, Del Monte Foods; Fred Luckey, Field to Market; Tom Tomich, UC Davis; Jeff Dlott, SureHarvest; Jonathan Kaplan, NRDC ●</p>
<p>America's Grand Strategy: Deep Dive (Part 1) RM: Twin Peaks South</p> <p>Mark "Puck" Mykleby Colonel, USMC (Retired); Patrick Doherty, New America Foundation ●●●●●●●●</p>

3:00-4:00
<p>Smarter Transport via Ocean, Rail, and Truck RM: Telegraph Hill</p> <p>John Fojut, Kohls; John Lovenburg, BNSF Railway; David Will, JB Hunt; Heather Tomley, Port of Long Beach; Mike Roeth, North American Council for Freight Efficiency ●●</p>
<p>A Microgrid Goes To Jail: (And Gains Power) RM: Pacific Heights</p> <p>Matt Muniz, County of Alameda, GSA/TSD; Bob Lasseter, University of Wisconsin- Madison; Osama Idrees, Chevron Energy Solutions; Peter Asmus, Navigant Research ●</p>
<p>Big Data for Energy Management Across Portfolios RM: Seacliff</p> <p>Sam Brooks, DC Department of General Services; Swapnil Shah, FirstFuel Software; Sandra Kwak, AutoGrid Systems; Jeff St. John, Greentech Media ●</p>
<p>Business Solutions to Match Urban Sustainability Challenges RM: Presidio</p> <p>David Berdish, Ford Motor Company; Mark Gander, AECOM; Charles Long, Charles A Long Properties, LLC; Philippe Fonta, WBCSD ●</p>
<p>Healthy Buildings and Materials Transparency RM: Marina</p> <p>Russell Perry, SmithGroup; Stacy Glass, Cradle to Cradle Products Innovation Institute; John Knott, Health Product Declaration Collaborative; Anthony Ravitz, Google; Bill Walsh, Healthy Building Network ●</p>
<p>Leveraging Data to Create Smarter Communities RM: Twin Peaks North</p> <p>Mark Headd, City of Philadelphia; Ian Kalin, Socrata; Laura Schewel, StreetLight Data; Kat Borlongan, Five by Five ●</p>
<p>America's Grand Strategy: Deep Dive (Part 2) RM: Twin Peaks South</p> <p>Mark "Puck" Mykleby Colonel, USMC (Retired); Patrick Doherty, New America Foundation ●●●●●●●●</p>

2:45-3:00 Transition

Break

GENERAL SESSIONS

4:30-5:00	The Future of Energy - Amory Lovins (Rocky Mountain Institute), Andrew Revkin (The New York Times)
5:00-5:15	Closing and VERGE 25 Awards
5:15-7:00	Networking Reception

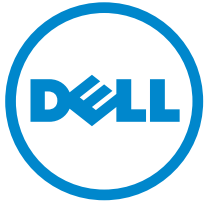
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