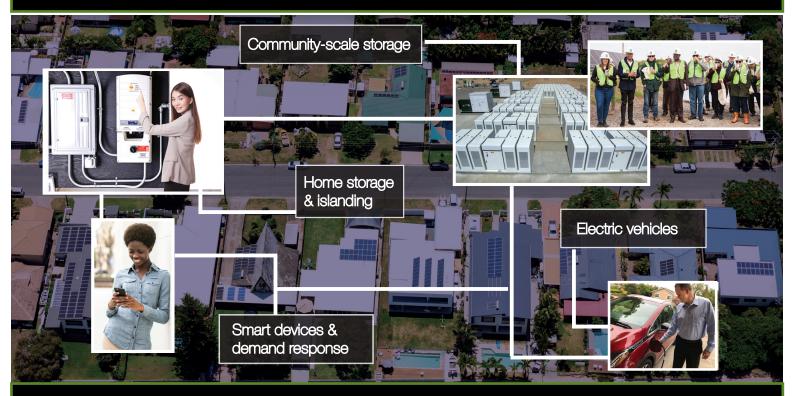


# Leading in a Dynamic Environment



SAFE, RESILIENT, RELIABLE, RENEWABLE, DISTRIBUTED, EQUITABLE, AFFORDABLE, JOB GENERATING, INNOVATIVE



THE BUSINESS OF LOCAL ENERGY SYMPOSIUM

June 21, 2019, Orange County

Organizing partners:









# AGENDA

#### 8:00 - 9:00 am

**REGISTRATION AND BREAKFAST** 

9:00 - 9:10

INTRODUCTION Grand Ballroom

Ann Hancock Executive Director, Center for Climate Protection

### 9:10 - 9:20

WELCOME TO ORANGE COUNTY Grand Ballroom

#### 9:20 - 9:30

#### LEADING IN A DYNAMIC ENVIRONMENT

**Geof Syphers** Chief Executive Officer, Sonoma Clean Power

#### 9:30 - 10:40

## KEYNOTE PANEL: UTILITY AND REGULATORY REFORM, WHAT DOES THE FUTURE LOOK LIKE?

**Rick Brown** (Moderator) President and Board Chairman, TerraVerde Energy

**Angelina Galiteva** Board of Governors, California Independent System Operator

**Clifford Rechtschaffen** Commissioner, California Public Utilities Commission

**Kendall Heim** Vice President Energy Supply, San Diego Gas and Electric

Shalini Swaroop General Counsel, MCE

#### 10:40 - 11:10

**NETWORKING BREAK** 

#### 11:10 - 12:10

**BREAKOUT PANELS** 

OPERATIONAL EXCELLENCE: BEST PRACTICES AND INDUSTRY COORDINATION ON FUTURE SOLUTIONS Location: Salon E

PROGRAMS THAT RESPOND TO COMMUNITY NEEDS Location: Trabuco

**KEEPING THE COMMUNITY IN COMMUNITY CHOICE** *Location: Theater* 

THE CCA REGULATORY LANDSCAPE: THE POWER CHARGE INDIFFERENCE ADJUSTMENT (PCIA) AND OTHER ISSUES Location: Salon D

BUILDING DECARBONIZING: HOW CCA'S CAN HELP Location: Saddleback

# BUILDING A CCA FROM SCRATCH: WHAT YOU NEED TO KNOW

Location: Shady Canyon

#### 12:10 - 12:25

## **NETWORKING BREAK**

#### 12:25 - 12:55

**LUNCH** Grand Ballroom

#### 12:55 - 1:30

KEYNOTE ADDRESS: HOW WE GOT HERE & HOW WE WILL GET TO 100% Grand Ballroom

**Former Senator Fran Pavley** Environmental Policy Director for the USC Schwarzenegger Institute See map on the back of the program

## 1:30 - 1:45

CCA PROJECT SPOTLIGHT

Grand Ballroom

#### **Woody Hastings**

Energy Program Manager, Clean Power Exchange, Center for Climate Protection

1:45 - 2:00

**NETWORKING BREAK** 

### 2:00 - 3:00

# **BREAKOUT PANELS**

**LEGISLATIVE OUTLOOK - 2019-2020** *Location: Salon E* 

CCA COLLABORATIVE PARTNERSHIPS: STRENGTHS & LIMITATIONS Location: Saddleback

COMMUNITY CHOICE ENERGY IN ORANGE COUNTY - ADVANCING THE MODEL Location: Theater

FINANCING: TRIED & TRUE AND INNOVATIVE APPROACHES Location: Trabuco

**INTEGRATED PLANNING FOR ENERGY & RESILIENCE** *Location: Salon D* 

#### 3:00 - 3:25

**NETWORKING BREAK** 

#### 3:25 - 3:50

CCA DEVELOPMENTS AROUND THE US: CHALLENGES AND OPPORTUNITIES Location: Grand Ballroom

**Shawn Marshall** Founder, Executive Director, Local Energy Aggregation Network

#### 3:50 - 4:20

# UTILITY BUSINESS MODEL REFORM AND OPTIMIZING DISTRIBUTION SYSTEM OPERATION

Location: Grand Ballroom

Introduction by: Robert Pierce, Director, Energy Marketing, Shell Energy North America

# Lorenzo Kristov

Consultant, Energy and Economics, formerly with California Independent System Operator

#### 4:20 - 5:25

### PLENARY PANEL: THE STATE OF CCA IN CA - FULFILLING THE VISION

Location: Grand Ballroom

Introduction by: Josh Brock, Director CCA Client Services, Calpine Energy Solutions

Sammy Roth (Moderator) Climate & Energy Reporter, Los Angeles Times

Barbara Hale Assistant General Manager, CleanPowerSF

Matthew Marshall Executive Director, Redwood Coast Energy Authority

**Ted Bardacke** Executive Director, Clean Power Alliance of Southern California

**Tom Habashi** Chief Executive Officer, Monterey Bay Community Power

#### 5:25 - 5:30

#### **CLOSING REMARKS**

**Barry Vesser** Deputy Director, Center for Climate Protection

#### 5:30 - 7:00

**NETWORKING RECEPTION** Location: Theater Terrace



MORNING BREAKOUT PANELS 11:10am - 12:10pm

# Operational Excellence: Best Practices and Industry Coordination on Future Solutions

Location: Salon E

CCAs continue to evolve rapidly as California grapples with unprecedented market challenges and regulatory reforms. Experts will discuss best practices and how CCAs are looking 'over the horizon' to operationalize multi-sectoral 'deep decarbonization.' As California evolves towards a DSO market structure, CCAs are working with IOUs and other stakeholders to integrate DER. Awareness is growing that CCAs' collaborative 'systems thinking' approach to deploying innovative technologies is the 'missing link' needed to maintain safety. reliability and affordability in our rapidly-changing industry.

# PANELISTS:

**Sam Golding** (*Moderator*) President, Community Choice Partners

#### JP Ross

Director, Local Development, Electrification and Innovation, East Bay Community Energy

#### **Stewart Ramsay**

Managing Executive, Vanry Associates

**Tom Habashi** Chief Executive Officer, Monterey Bay Community Power

# Programs that Respond to Community Needs

Location: Trabuco

One of the advantages CCAs have in differentiating themselves from the utilities is their ability to design programs that respond to community needs and values. Examples include Sonoma Clean Power's Advanced Energy Rebuild program, providing incentives to homeowners who lost their homes in the 2017 wildfires. and MCE's Solar One that collaborated with organizations to train at-risk youth in solar photovoltaic technology. Hear what organizations have considered in designing and implementing these programs and what lessons they have learned.

PANELISTS:

**Woody Hastings** (Moderator) Energy Program Manager, Clean Power Exchange, Center for Climate Protection

# **Chris Sentieri**

Senior Manager, EcoShift Consulting, a division of Blue Strike Environmental

Jana Kopyciok-Lande Senior Policy Analyst, MCE

#### **Kathy Wells**

Energy Projects Coordinator, Lancaster Choice Energy

# Keeping the Community in Community Choice

Location: Theater

How are CCAs serving disadvantaged communities? Can they support communityowned revenue-generating assets in low income neighborhoods? How can a more engaged stakeholder process benefit local planning and programming efforts?

#### PANELISTS:

Nancy Barba (Moderator) Manager, Frontier Energy

#### Alexis Garcia-Arrazola

Public Engagement Associate, Monterey Bay Community Power

#### **Cris Gutierrez**

Community Advisory Committee, Clean Power Alliance

#### Jesus Hernandez

Principal Consultant, JCH Research



# The CCA Regulatory Landscape: The Power Charge Indifference Adjustment (PCIA) and other Issues

Location: Salon D

Today's statewide energy regulatory and policy atmosphere is changing rapidly. Panelists will share insights on the many regulatory proceedings underway that directly or indirectly impact CCAs, including the Power Charge Indifference Adjustment (PCIA), Resource Adequacy, Integrated Resource Plans, etc.

#### PANELISTS:

**Scott Blaising** (*Moderator*) Attorney, Braun Blaising Smith Wynne, P.C.

# Greg Bass

Regulatory Director, Calpine Energy Solutions

**Irene Moosen** Director, Regulatory Affairs, California Community Choice Association

# **Neal Reardon**

Director, Regulatory Affairs, Sonoma Clean Power

# Building Decarbonizing: How CCAs Can Help

Location: Saddleback

Reducing emissions from the built environment will be critical to achieving climate mitigation goals. By investing strategically in community programs, outreach and education, and through strategic partnerships, CCAs can accelerate the shift away from natural gas toward full, clean, electrification. What are strategies to do this effectively or affordably?

# PANELISTS:

Margaret Bruce (Moderator) Program Manager, Local Government Commission

**Farhad Farahmand** Senior Project Manager, TRC Advanced Energy

**Garrett Wong** Senior Sustainability Analyst, City of San Monica

#### **Rafael Reyes**

Director, Energy Programs, Peninsula Clean Energy

# Building a CCA from Scratch: What You Need to Know

Location: Shady Canyon

Everything you need to know about developing a Community Choice Agency from people who have been there, including community organizing and outreach, governance models, technical studies, risk assessment, procurement, and financing.

### PANELISTS:

Alexia Retallack (Moderator) Marketing and Government Affairs Manager, Pioneer Community Energy

#### **Greg Wade**

City Manager, City of Solana Beach

#### **Jeff Fuller**

Director, Client Services, The Energy Authority

#### **Jim Parks**

Outreach Director, Valley Clean Energy



AFTERNOON BREAKOUT PANELS 2:00 - 3:00pm

# Legislative Outlook - 2019-2020

Location: Salon E

Discussion about the key policy principles and legislative priorities common to all CCAs, current bills that have direct or indirect bearing on CCAs, and a conversation about the balance between engaging proactively and reacting defensively in the legislative arena.

PANELISTS:

**Sean MacNeil** (*Moderator*) Director of Legislative Affairs, California Community Choice Association

**Allie Detrio** Policy Manager, Engie

# CC Song

Regulatory & Legislative Policy Manager, MCE

# Lindsey Horvath

Mayor Pro Tempore, City of West Hollywood; Chair, Legislative & Regulatory Committee, Clean Power Alliance

# CCA Collaborative Partnerships: Strengths & Limitations

Location: Saddleback

A discussion of how CCAs are working together on joint procurement, joint Resource Adequacy procurement, and program design and implementation, and in what other areas they might effectively collaborate.

# PANELISTS:

**Howard Choy** (*Moderator*) Senior Associate, EES Consulting

# **Cathy DeFalco**

General Manager, California Choice Energy Authority

# **Rachel Bird**

Director, Policy and Business Development, West, Borrego Solar Systems

# **Rafael Reyes**

Director, Energy Programs, Peninsula Clean Energy



# Community Choice Energy in Orange County -Advancing the Model

Location: Theater

How can we ensure that CCAs launched in Orange County build on the success and lessons-learned of those who have gone before and move the needle on developing local clean energy resources and programs, benefiting Orange County residents and engaging them in the process?

### PANELISTS:

**Scott Kitcher** (*Moderator*) President and CEO, Sustain SoCal

### **Amber Nyquist**

Manager, Economic Evaluations, EES Consulting

#### **Robin Ganahl**

Orange County Organizer, Climate Action Campaign

# Sona Coffee

Environmental Programs Administrator, Public Works, City of Irvine

# Financing: Tried & True and Innovative Approaches

Location: Trabuco

This panel will cover the basics of financing a CCA including working capital needs and project financing, but will also explore an innovative approach to financing local resources that requires changing the way most CCAs look at procurement decisions.

### PANELISTS:

# John McCray-Goldsmith

*(Moderator)* Director, Barclays Capital

**Elizabeth Kelly** Owner, Law Office of Elizabeth Kelly

# Peter Luchetti

Managing Partner, Table Rock Partners

#### **Steve Fleming**

President and Chief Executive Officer, River City Bank

#### Tom Habashi

Chief Executive Officer, Monterey Bay Community Power

# Integrated Planning for Energy & Resilience

Location: Salon D

This discussion will focus on integrating distribution system planning, energy resource planning and city/county planning for electrification and resilience. What is an Advanced Community Energy plan? Learn about the Advanced Rate Structure Project funded by the National Renewable Energy Laboratory's Solar Energy Innovation Network. This project is intended to deliver a replicable, scalable, and actionable DER rate structure tool that will allow CCAs to expedite and guide Solar + Dispatchable Storage DER deployment.

# PANELISTS:

**Rick Brown** (Moderator) President and Board Chairman, TerraVerde Energy

#### **Kathy Wells**

Energy Projects Coordinator, Lancaster Choice Energy

#### Lorenzo Kristov

Consultant, Energy and Economics, formerly with California Independent System Operator

# **Rick Bolton**

CEO, Compass Energy Platform, LLC.

### **Storn White**

Director of Software Development, TerraVerde Energy



Nancy Barba has twelve years of experience overseeing program design and management, stakeholder engagement, and community and trade ally outreach and engagement. Nancy has worked closely with Lancaster Choice

Energy, California Alternative Energy and Advanced Transportation Financing Authority, SoCalGas, Los Angeles County, and the Southern California Regional Energy Network leading regulatory, technical, and administrative services, program design, implementation, marketing/outreach, financing, tracking, and reporting. Nancy holds a B.S. in Business Administration. Her credentials include LEED AP O+M, Certified Green Building Professional, and Certified GreenPoint Advisor.



**Ted Bardacke** is Executive Director of Clean Power Alliance, Southern California's locally-operated electricity provider for 31 communities and approximately one million customers across Los Angeles and Ventura

Counties. Ted has broad experience in the public sector, renewable energy planning, sustainability program design, customer service, journalism, education, and non-profit leadership. Prior to joining CPA, Ted spent five years working for Los Angeles Mayor Eric Garcetti, where he was Director of Infrastructure and Deputy Director of the Mayor's Sustainability Office. Prior to that, Ted worked in the Green Urbanism Program at Global Green USA, and in the 1990s served as a foreign correspondent for the Financial Times of London, based in Mexico City and Bangkok.



**Greg Bass** has more than 25 years of experience in the energy business. Currently he is providing regulatory and legislative policy direction for Calpine Solutions' Western retail operations. Previous responsibilities at Calpine have

included business operations and development and strategic plan implementation. Greg's professional background includes regulatory and legislative strategy and policy, regulatory compliance, business negotiation, expert witness, and sponsor of testimony before commissions and legislative committees. Greg also worked for Southern California Edison, as well as PacifiCorp where he testified before the Oregon Public Utilities Commission and the Wyoming Public Service Commission.



**Rachel Bird** is Borrego Solar's Director of Policy and Business Development for the West. Based in Oakland, Rachel works to enact policies that create new opportunities for renewable energy deployment. Prior to joining Borrego,

Rachel ran a nonprofit focused on advancing California's renewable energy leadership and worked on political campaigns. Rachel has a B.A. in Public Policy from Duke University.



**Scott Blaising** is a principal with Braun Blaising Smith Wynne, P.C. (BBSW), having joined BBSW after working for the Sacramento Municipal Utility District and Southern California Edison. Scott manages a group within BBSW

that provides legal services to Community Choice Aggregation programs and municipal utilities. Scott also serves as regulatory counsel on certain matters for the California Community Choice Association.



**Rick Bolton's** 25 years of experience within the energy and Internet industries have given him a deep understanding of the ways in which innovation, policy and financing can build new markets. He is the CEO of Compass Energy Platform,

a joint venture between Navigant Consulting and InfraRed Capital Partners. Compass develops and finances 21st century energy infrastructure, helping cities build resilient communities.



**Rick Brown,** PhD launched TerraVerde, an energy advisory firm in 2009. Over the past eight years TerraVerde has developed \$420 Million of DERs on behalf of Schools and other public agencies. More recently TerraVerde is

developing programs and tools for CCAs and other Load Serving Entities through CEC and NREL R&D grants to support implementation of DERs.



Margaret Bruce is the Local Government Commission's Local Government Sustainable Energy Coalition Program Manager. Margaret also has her own energy and sustainability consulting practice and served for 8 years on the SLV Water

District Board. Margaret's career encompasses environmental, energy and sustainability fields, from start-up to program management in non-profits, federal and state government, and the private sector.



**Howard Choy** retired as General Manager of the Office of Sustainability, County of Los Angeles last year and in his new role as business owner he works with clients in advocating and and developing roles and opportunities

for public agencies under California's clean energy economy.



**Sona Coffee** is a sustainability manager who is passionate about transforming local governments into environmentally sustainable communities. She thrives on leading programs that promote environmental stewardship, with an emphasis on moving communities

towards clean energy. Prior to joining the City of Irvine as the Environmental Programs Administrator in 2017, she held a similar role in Manhattan Beach for eight years.



**Cathy DeFalco** currently works with California Choice Energy Authority overseeing procurement, contract negotiation, and regulatory affairs. Cathy has over 30 years of procurement, commodity, and contract management experience in both the public and

private sectors. She received an undergraduate degree from the University of LaVerne, a Master Certificate in Contract Management, and in 2013 was conferred a doctoral degree in law.



Allie Detrio is the Manager of Policy for ENGIE, the largest independent power producer and provider of energy services in the world. She manages legislative and regulatory affairs in California and Hawaii with a focus on solar, storage, microgrids, and energy

efficiency policy. Allie has over 11 years of experience working in the clean energy industry and was one of the first in the nation to graduate with an accredited B.S. in Sustainability from Arizona State University.



Farhad Farahmand provides technical oversight cost effectiveness analysis and stakeholder engagement for TRC's codes and standards projects. Farhad has been working on reach code cost effectiveness analysis focusing on

energy efficiency, zero net energy, and electrification for many cities and Community Choice Energy providers across California. At TRC, Farhad also participates in research and market transformation activities for emerging technologies, such as thermally active building systems. Farhad holds a B.S. in Mechanical Engineering from U.C. Berkeley, and a M.S. in Public Policy & Management from Carnegie Mellon University. He is also a registered Professional Engineer in the State of California, and a LEED AP.



**Steve Fleming** has been President & Chief Executive Officer of River City Bank since September 2008. Under his leadership the Bank has almost tripled in size from \$800 million to \$2.3 billion in total assets. He has over 35 years

of banking experience, including over 20 years with Bank of America in Sacramento and London, England. Steve received a BA in Economics from the University of California at Davis and an MBA at the University of California at Berkeley.



Jeff Fuller is responsible for Client Services within the Western Electricity Coordinating Council region for The Energy Authority (TEA), including delivery of services to Clean Power Alliance, Desert Community Energy,

Monterey Bay Community Power, Redwood Coast Energy Authority and Solana Energy Alliance. He has been in the energy industry for 25 years including roles in trading, power supply planning and risk management.



**Angelina Galiteva** is the Vice Chair of the California Independent System Operator Corporation Board of Governors. Angelina is currently President for NEOptions, Inc., a renewable energy and new technology product design and project development firm. Her industry

experience includes serving as Executive Director of the Los Angeles Department of Water and Power and head of its Green LA, Environmental Affairs and New Product Development Organization. She graduated from Pace University School of Law with a Juris Doctor degree in 1993 and an LL.M. degree in 1994 in Environmental and Energy Law.



**Robin Ganahl** is the Orange County Organizer for Climate Action Campaign. Prior to joining CAC, she worked as a structural and environmental engineering consultant and managed large-scale IT system modernization

projects with the U.S. Department of Treasury. In 2015, she started organizing for local action on climate and now leads the grassroots movement for community choice in Orange County.





Alexis Garcia-Arrazola is the Public Engagement Associate for Monterey Bay Community Power. Alexis brings together community partners and local non-profits to ensure comprehensive community outreach through the

Agriculture Field Promotion Program for MBCP. Alexis also plans the coordination of Spanish content on various media, including radio, print, and other communications tools. Prior to joining Monterey Bay Community Power, Alexis served as a news personality for Noticias Univision Costa Central, and as an assistant for a Congressional office on Capitol Hill. Alexis holds dual bachelor's degrees in Journalism and Legal Studies from California State University Monterey Bay.



**Samuel Golding** is President of Community Choice Partners Inc. and has been a technical consultant and political strategist in the CCA industry for eight years. He is recognized as a pioneer of California's "CCA 2.0" and "CCA 3.0"

maturity model roadmaps, which were designed to advance the operational capabilities of individual agencies and also accelerate joint-action agreements and collaborations across all CCAs.



**Cris Gutierrez** is co-chair of Climate Action Santa Monica and the CASM Climate Corps Program Director. Cris helped organize the community to support the Clean Power Alliance coming into being as a local version of Community Choice Energy—and now

an example of a local Green New Deal. Cris represents the Westside cities in the Clean Power Alliance's Community Advisory Committee.



**Tom Habashi** directs Monterey Bay Community Power's energy acquisition, strategic plan, program implementation, operations, regulatory affairs, communications and outreach. His thirty years of experience serving

community-owned utilities in California bring a wealth of knowledge to the Community Choice Energy (CCE) sector. MBCP is a regional CCE program, providing residential and commercial electricity throughout Monterey, San Benito and Santa Cruz Counties.



**Barbara Hale**, the San Francisco PUC Assistant General Manager, Power, operates San Francisco's 150 MW Municipal Utility, Hetch Hetchy Power, and the City's Community Choice

program, CleanPowerSF. These programs serve 80% of the retail electricity consumption in San Francisco. Prior to SFPUC, Barb worked for the California PUC as Advisor to the President, Administrative Law Judge, and Director of Strategic Planning.



**Ann Hancock** is co-founder and Executive Director of the Center for Climate Protection and she oversees the Clean Power Exchange. With more than 25 years in community leadership, education, and fundraising, Ann was

part of the coalition of business and policy leaders that got Sonoma Clean Power launched, and has been working on a statewide CCA movement since 2013. Ann also recently launched an activist training program to empower California residents to advocate for CCAs and other climate solutions throughout the state.



**Woody Hastings** is the Center for Climate Protection's Energy Program Manager with over 28 years of experience in the non-profit, governmental, and private sectors. Woody specializes in Community Choice

energy, a state policy that fosters energy democracy by empowering communities to establish their own not-for-profit electricity service, thereby taking control of decision-making about energy sources for electricity generation. Woody also manages the Clean Power Exchange.



**Kendall Heim** is a PhD economist and has been with the Sempra Energy companies since 2012. Kendall initially managed Sempra's Corporate Economics department, where she provided research on the company's valuation, capital structure, and

corporate strategy. In 2014, she became Sempra's Director of Investor Relations. She joined SDG&E in 2016 as Director of Origination and Portfolio Design and now serves as the Vice President of Energy Supply, where she oversees SDG&E's electric procurement, electric generation, and resource planning. Prior to joining Sempra, Kendall was Senior Economist for International Affairs and Trade at the U.S. Government Accountability Office. Kendall received a bachelor's degree in economics and international studies from the University of Denver and earned a doctorate degree in economics from American University.





Jesus Hernandez, PhD. is Principal Consultant for JCH Research. Dr. Hernandez is dedicated to understanding social problems affecting community cohesion, neighborhood development, and quality of life.

Focusing on the dynamics between urban governance, private enterprise and the practice of community economic development, his consulting work connects academic research and macro-scale urban policy to the on-the-ground practice of sustainability and climate change at the neighborhood scale.



Lindsey Horvath was elected to the West Hollywood City Council on March 3, 2015. She previously served as a Councilmember for two years from 2009-2011. Mayor Pro Tempore Horvath has a long history of civic and social

justice advocacy. She's also the City's representative to the Board of Directors for Clean Power Alliance of Southern California, where she also serves on the Executive Committee and as Chair of the Legislative & Regulatory Committee.



Elizabeth Kelly has extensive experience in CCA operations and California Public Utilities Commission practice. Elizabeth helped launch California's first CCA, MCE, and served as its General Counsel. She previously worked at White & Case in the Energy, Infrastructure and Project

Finance practice group. Elizabeth is the Vice Chair of the Friends of the San Francisco Public Library.



Scott Kitcher has 29 years of financial services experience in investment banking, investment management, private equity, and consulting. Just over 13 years ago, he began focusing on clean technologies. Today, he is President & CEO at Sustain SoCal, Principal at EcoFin Consulting,

LLC, and serves on various corporate, non-profit and academic boards and committees in various roles, almost all related to cleantech and sustainability.



Jana Kopyciok-Lande is a Senior Policy Analyst at MCE, California's first operational CCA. She is responsible for developing policy positions and advocating for innovative policies relating to distributed energy resources in front of the California Public Utilities

Commission, the California Energy Commission, the California Air Resources Board, and the California Independent System Operator. Jana's work is focused on regulatory proceedings relating to MCE's customer programs, including energy efficiency, solar, and electric vehicle programs.



Lorenzo Kristov is a consultant working to transition the electricity system to high levels of renewable generation and local distributed energy resources (DER). For 18 years he was a principal at the California Independent System

Operator where he was a lead designer of the ISO's locational marginal pricing (LMP) market system. He is expert in wholesale market design, DER market integration, T-D interface coordination, distribution system operator models, community energy and resilience.



Peter Luchetti is the founder of Table Rock Infrastructure Partners (TRIP), an infrastructure fund focused on making private equity investments in greenfield and brownfield public and private infrastructure projects. Peter's

experience includes advising, raising capital, managing assets, and investment roles for infrastructure. From 1994 to 2004, Peter was Senior Managing Director and Global Head of Project & Structured Finance for Banc of America Securities LLC., responsible for over \$150 BN in infrastructure investment with a team working in 32 countries on infrastructure projects. Peter was appointed by Governor Jerry Brown to the Board of Directors of the California Infrastructure and Economic Development Bank in October 2013 and served through January 2019 as the Governor's Appointee and Vice Chair of the board.



Sean MacNeil is a public policy veteran with a strong background in energy, environmental, labor, and local government policies. He began his career as legislative aide for Assemblymember Helen Thomson, and subsequently served as chief of staff

for the following California Senate and Assembly members: Patricia Wiggins, Noreen Evans, Michael Allen and, for the last six years, Richard Bloom. In Bloom's office, Sean managed a staff of ten and served as liaison between Bloom and elected officials, lobbyists and advocacy groups.





Matthew Marshall has served as the Executive Director of the Redwood Coast Energy Authority in Humboldt County since 2010. In this role he leads RCEA's community choice aggregation program (launched in May 2017), as

well as efforts related to energy efficiency, electric vehicle charging infrastructure, renewable energy project development, and regional energy planning.



**Shawn Marshall** is the founder and Executive Director of LEAN Energy US (Local Energy Aggregation Network), a non-profit organization that supports the expansion of clean energy community choice aggregation (CCA)

nationwide. Shawn and LEAN have been involved in the start-up of many of California's CCAs, including MCE Clean Energy. Shawn also had a hand in initiating a CCA in the State of New York and she and her team are working in several other states, including Oregon, Colorado, Arizona, Maryland and Connecticut. Shawn also served as Mayor and Councilmember for the City of Mill Valley.



John McCray-Goldsmith is a 20-year public infrastructure finance veteran in the investment banking group at Barclays. He helps his clients raise funding for their projects in the public bond market and through direct loans from Barclays. Since 2015, he has

led Barclays' work providing \$150 million of loans supporting the pre-operation start up of four California Community Choice Aggregation utilities.



Irene Moosen is the Director of Regulatory Affairs at CalCCA. She has more than 30 years of experience practicing law in policy-making forums. She served as an administrative law judge and counsel at the California Public Utilities Commission and, in

private practice, represented public and private entities before the CPUC, California Energy Commission, California Independent System Operator and Federal Energy Regulatory Commission. As a CPUC administrative law judge, Irene presided over energy, electric transmission, telecommunications, water, and transportation regulatory matters and resolved cases involving requests for billions in ratepayer funding. As staff counsel at the CPUC, Moosen negotiated a \$120 million reduction in rates for reliability services before the Federal Energy Regulatory Commission and successfully argued and won an unprecedented audit of PG&E utility/affiliate transactions.



Amber Nyquist provides analytical expertise for EES in support of a wide range of economic and financial studies. Amber's experience includes Community Choice Aggregation (CCA) feasibility studies and implementation

plans. Amber has assisted several jurisdictions in various stages of implementation. Amber has an M.A. from Simon Fraser University and a B.A. in Economics from Western Washington University.



Jim Parks is the Director of Customer Care and Marketing for Valley Clean Energy, a community choice aggregator serving most of Yolo County. He has worked in many areas of the utility industry including transmission planning; energy efficiency,

demand response and low-income programs; grid modernization; and R&D. He has almost 30 years' experience in the electric utility industry.



**Fran Pavley** is the author of groundbreaking AB 32, California's Global Warming Solutions Act of 2006, which created a cap-and-trade system to reduce California's greenhouse gas emissions. Pavley served two terms in the California State Senate and three

terms in the California State Assembly, during which time she authored and passed many bills, including SB 32, which extended California's emissions reduction goals to 40 percent below 1990 levels by 2030. She is currently working as the Environmental Policy Director for the USC Schwarzenegger Institute, and serves on several state and local advisory boards and committees.



**Stewart Ramsay** is Managing Executive of Vanry Associates. Stewart has 30 years of experience in leadership, cultural change, strategic planning, policy development, operations, and engineering across the global utility and manufacturing industries. Stewart

serves on Peak Reliability's Advisory Committee and was previously PG&E's Vice President: Transmission & Distribution, AEP's Vice President: Distribution, a Smart Grid technology company CEO, and public power consultant.





**Neal Reardon** is Director of Regulatory Affairs for Sonoma Clean Power and has over ten years of experience in the energy industry and has worked for a variety of financial institutions and consulting groups. Prior to his current role, he was a Senior Analyst with the

California Public Utilities Commission (CPUC). Prior to joining the CPUC, Neal evaluated the financial and greenhouse gas impacts of various renewable energy assets for Roll Global. Neal holds a B.S. in Resource Management from the University of California at Berkeley, and an MBA from the Fisher Graduate School of International Business.



**Clifford Rechtschaffen** was appointed to the California Public Utilities Commission by Governor Jerry Brown in January 2017, where his key areas of interest include decarbonization, safety, environmental justice, and enforcement.

From 2011 to 2017 he was senior advisor to Governor Brown, and he served as a special assistant attorney general from 2007 to 2010. From 1993 to 2007, he taught environmental law and co-founded the Environmental Law and Justice Clinic at Golden Gate University School of Law.



Alexia Rettallack is the Marketing and Government Affairs manager for Pioneer Community Energy, a community choice aggregation program that serves unincorporated Placer County, Auburn, Colfax, Lincoln, Loomis and

Rocklin in the foothills of the Sierra Nevada. In addition to marketing and public relations responsibilities, she works in the areas of regulation, legislation and customer service. Her duties also include raising awareness about the mPOWER Program which provides residents and commercial business with access to financing for energy efficiency and water use reduction projects through Property Assessed Clean Energy (PACE).



**Rafael Reyes** is Director of Energy Programs for Penninsula Clean Energy where he provides strategic direction to PCE's programs with an emphasis on transportation, building electrification, and load shape strategies. Rafael has

nearly 20 years of experience in clean energy policy and programs, as well as 15 years in high-tech project management, system architecture, and business consulting. Rafael has led and supported nearly \$80 million in clean energy projects through his prior roles as VP of Community Initiatives at Prospect Silicon Valley and founding Executive Director of the Bay Area Climate Collaborative. His projects included an advanced solar-storage pilot, EV infrastructure and fleet deployments, vehicle-grid integration pilots, LED streetlight upgrades, and the nation's largest EV ride and drive campaign.



JP Ross is the Senior Director of Local Development, Electrification and Innovation at East Bay Community Energy, a CCA serving electricity to 600,000 customers in Alameda County. JP has been actively engaged with solar market development and

commercialization since 1999. After completing a Masters Degree from the University of California at Berkeley from the Energy and Resources Group, JP joined Greenpeace, to advocate for wind and solar instead of 50GW of gas plants in response to the California energy crisis. JP then moved to Vote Solar, and successfully campaigned for California's Million Solar Roofs initiative that commercialized the California markets. In 2007, JP moved to Sungevity, and helped grow the business from 4 to 750 employees as the third largest residential solar installer in the US. JP's responsibilities included developing Sungevity's procurement and installation capabilities, market expansion, strategy and channel development. In 2015 JP joined Origin Energy, Australia's largest energy utility, where he lead the development of Origin's Business Solar PPA, IT Program, and Channel Strategy.



**Sammy Roth** is a journalist covering energy for the Los Angeles Times. Previously, he covered energy for The Desert Sun and USA TODAY. He's written about electric utilities, renewable energy, public lands, and the Colorado River. He grew up in Los

Angeles and studied sustainable development at Columbia University.



**Chris Sentieri** is a Clean Energy, Climate Change and Sustainability policy consultant and program manager with expertise in GHG emission quantification, climate action and adaptation planning, stakeholder

engagement, community organizing, data systems, and public policy development. His areas of focus include CCA and related local clean energy programming options, systems-level planning, data management and analytics, distributed energy resource programming, and microgrid technology applications. Chris is currently serving as the Senior Manager for EcoShift Consulting, which is a division of Blue Strike Environmental based in Monterey, California.





**CC Song** joined MCE in July 2015, and has been representing MCE at California's regulatory agencies, including the California Public Utilities Commission, the California Energy Commission, the California Air

Resources Board, and the California Independent System Operator. CC focuses on policy areas that impact MCE's procurement planning, including integrated resources planning, resource adequacy, power source disclosure, and renewable portfolio standard. CC came to MCE with a wide range of experiences in environmental and energy policies in New York and California, including program management, policy analysis and advocacy, grassroots organizing, and media relations. CC received her Bachelor's degree from the University of Michigan, and has a Master in Public Policy from UCLA.



**Shalini Swaroop** is General Counsel for MCE and leads MCE's policy advocacy at state regulatory agencies and the California Legislature. She has been with MCE since 2013 and has argued on issues related to equity, CCA ratepayers, and local governance in over 100 cases

before California regulatory agencies. Shalini has also advocated on dozens of bills for CCAs, including AB 2145 (2014), SB 350 (2015), and SB 100 (2018).



**Geof Syphers** is the Chief Executive Officer of Sonoma Clean Power. He has nearly two decades of experience developing and managing renewable energy and energy efficiency programs, and has been a consultant to utilities, public agencies, and businesses. A

licensed mechanical engineer and a pioneer in the green building field, Geof managed utility energy efficiency programs and consulted on over \$1 billion in completed California developments. Geof was formerly Chief Sustainability Officer for Codding Enterprises and the founding Director of Sustainable Buildings and Communities at KEMA Energy & Sustainability (now DNV-GL). He has a master's degree in energy engineering from the University of Massachusetts, and his projects have earned top awards, including the Governor's Environmental and Economic Leadership Award, LEED Platinum, and the first One Planet Communities certification in the United States.



**Greg Wade** currently serves as the City Manager for the City of Solana Beach and also serves as Executive Director of Solana Energy Alliance (SEA), the City's Community Choice Energy program. Launched on June 1, 2018, SEA is the

first Community Choice program in the County of San Diego and in San Diego Gas & Electric's territory. Started as an "enterprise" (single-city) program, SEA is nearing its first full year of operation and is currently engaged in discussions with other San Diego County cities about the possibility of expanding Community Choice throughout the County.



**Kathy Wells** helped develop the City of Lancaster's Community Choice Aggregation program, which launched May 2015. She currently serves as LCE's Energy Projects Coordinator, developing energy efficiency programs

for both residential and business customers, and oversees LCE operations, including customer outreach and retention, marketing, and rate analysis. Kathy brings over 20 years of customer service experience to Lancaster Choice Energy. She began with the City in 1999 and has worked with Public Works, City Engineering, and City Administration. Kathy serves on the regulatory committee for California Community Choice Association (CalCCA) and is a 2019 Graduate Candidate with Franklin Pierce University to receive her MBA in Energy and Sustainability Studies.



**Storn White** started the software development effort at TerraVerde Energy in 2017. Under his management, the team has produced a best-inclass utility and Community Choice Aggregation billing engine and tackled California Enery Commission and

National Renewable Energy Laboratory innovation grant projects related to deploying and operating Distributed Energy Resources as procurement resources for load serving entities.



**Garrett Wong** is a Senior Sustainability Analyst for the City of Santa Monica. He leads policy, programs and projects in climate action and adaptation planning, energy efficiency and renewable energy and electric vehicle charging. Garrett is the City's staff liaison to Clean Power

Alliance of Southern California. He and his team are leading a coalition of jurisdictions to develop decarbonization building codes. He is also the 2019 Chair of the Local Government Sustainable Energy Coalition, which advocates for local governments at the CPUC and CEC.



# Community Choice is leading renewable energy adoption in California

# CCA: PUTTING RENEWABLE ENERGY ON THE MAP

Community Choice Aggregation (CCA) programs have contracted for more than 2,000 Megawatts (MW) of new clean generation capacity, largely through power purchase agreements with terms of 10 years or more, fueling renewable energy development, green jobs and economic growth throughout California.





We are transforming the 5th largest economy in the world.

center for climate protection

# **CLIMATE SOLUTIONS FOR GLOBAL IMPACT & LOCAL BENEFITS**



Ann Hancock Executive Director Center for Climate Protection For more than a decade, the Center for Climate Protection has been a lead advocate for Community Choice Energy in California – now the fifth largest economy in the world. Our vision is a positive future for ourselves, our children, and all life. This requires solutions that reduce greenhouse gas emissions at speed and scale. Policies that unleash market forces to lower emissions are the most powerful **speed and scale solutions**. These solutions make it easier for everyone to do the right thing. At the local level, Community Choice Energy exemplifies a powerful, politicallyfeasible, equitable, cost-effective solution. Community Choice Energy's impacts prove this.

# **COMMUNITY CHOICE STATEWIDE IMPACTS**

With 19 operational Community Choice agencies (CCAs) in California, serving more than 10 million people and supporting more than 4,200 jobs, hundreds of millions of dollars are made available for reinvestment in the local communities.

As a result of CCAs, California has more than 2,000 Megawatts of new renewable energy, 360 Megawatt hours of new energy storage, and dozens of new innovative programs for customers.

CCAs have also enabled California to avoid more than 940,000 metric tons of greenhouse gas emissions per year.





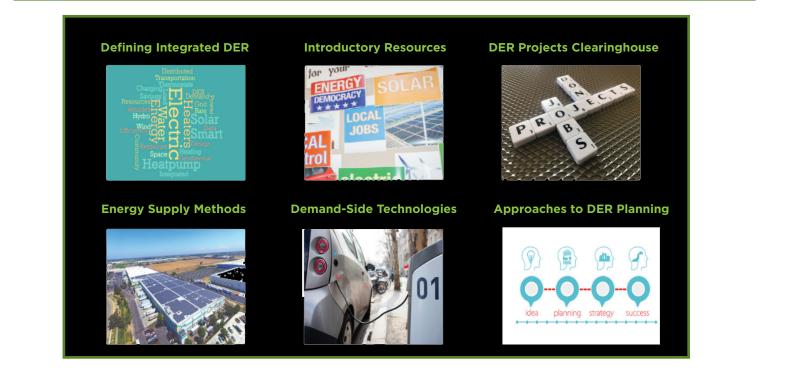




# www.cleanpowerexchange.org

**The Clean Power Exchange (CPX)** is the Center for Climate Protection's stand-alone website dedicated to news, information, resources, and more, about Community Choice Energy and the advanced, decentralized, decarbonized, democratized, safe, and resilient clean energy economy of the future.

We are proud to introduce the newest section of the site, the **DER-Hub**, which features information about CCAs+DERs, including the DER Projects Clearinghouse, an interactive, regularly updated listing of CCA DER projects, programs, and policies in California.



#### More features:

**CPX Map** – Our dynamic map presents the status of Community Choice in all 482 cities and all 58 counties in the state.

**Webinars** – Monthly webinars on topics of importance to Community Choice agencies and advocates. We now have a library of over 16 webinars since mid-2017, available for viewing and download.

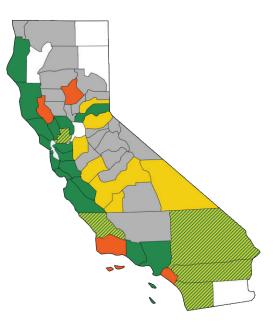
**CPX E-News** – Now with over 1,700 subscribers in California and beyond, our CPX E-News has become an indispensable resource for many in the Community Choice community.

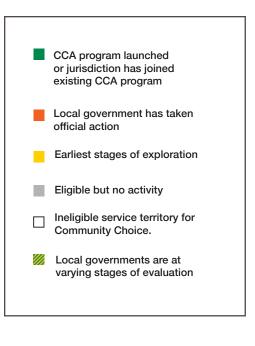




# OPERATIONAL COMMUNITY CHOICE AGENCIES IN CALIFORNIA

- 1. MCE Clean Energy, launched 2010, Marin, Napa, and cities in Solano and Contra Costa Counties
- 2. Sonoma Clean Power, launched May 2014, Sonoma and Mendocino Counties
- 3. Lancaster Choice Energy, launched May 2015, City of Lancaster in L.A. County
- 4. CleanPowerSF, launched May 2016, City and County of San Francisco
- 5. Peninsula Clean Energy, launched October 2016, San Mateo County
- 6. Silicon Valley Clean Energy, launched April 2017, Santa Clara County
- 7. Apple Valley Choice Energy, launched April 2017, City of Apple Valley
- 8. Redwood Coast Energy Authority, launched May 2017, Humboldt County
- 9. Pico Rivera Innovative Municipal Energy (PRIME), launched September 2017
- 10. Pioneer Community Energy, launched February 2018, Placer County
- Clean Power Alliance of Southern California, launched February 2018, Los Angeles and Ventura Counties
- 12. Monterey Bay Community Power, launched March 2018, Monterey, Santa Cruz, and San Benito Counties
- 13. San Jacinto Power, launched April 2018, City of San Jacinto
- 14. Rancho Mirage Energy Authority, launched May 2018
- 15. Solana Energy Alliance, launched June 2018, City of Solana Beach
- 16. Valley Clean Energy, launched June 2018, Yolo County
- 17. East Bay Community Energy, launched June 2018, Alameda County
- 18. King City Community Power, launched July 2018, Monterey County
- 19. San Jose Clean Energy, launched September 2018





"We aim to deliver services that best meet our customers' needs while satisfying California's environmental mandates. We are excited to deliver more, cleaner energy."

Glenn Wright, President, Shell Energy North America



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# Braun Blaising Smith Wynne Attorneys at Law

Since 1996, Braun Blaising Smith Wynne P.C. (BBSW) has specialized in providing legal services on energy and waterrelated issues. Our attorneys represent clients on a wide array of matters including market and regulatory advocacy, commercial negotiations, public agency law, environmental regulation, and legislative support. Find us at braunlegal.com.



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Sonoma Clean Power



The Energy Coalition creates the building blocks for a **new energy economy** with public agencies, businesses, and educators.

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LEAN Energy US MCE National Association of Local Government Environmental Professionals Peninsula Clean Energy San Diego Energy District San Joaquin Valley Clean Energy Organization (SJVCEO) Sonoma Clean Power Sustain Southern California Sustainable Silicon Valley UCLA Center for Sustainable Communities Valley Clean Energy (VCE)



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# center for climate protection

The mission of the Center for Climate Protection is to deliver speed and scale greenhouse gas reductions, starting in California. We work with business, government, youth, and the broader community to advance practical, science-based solutions for significant greenhouse gas emission reductions. www.climateprotection.org



For over 35 years, LGC has connected cutting-edge leaders from across the nation. Together we are advancing transformative policies and implementing innovative solutions for sustainable communities. LGC supports local policymakers through nationally recognized events, low-cost technical assistance, and policy guidance on climate change, energy, water, and community design. www.lgc.org



The Local Government Sustainable Energy Coalition (LGSEC) enhances the role of local governments in California's sustainable energy future by providing a strong collective voice for its city, county, and local agency members on sustainable energy policy decision-making in key regulatory agency proceedings. LGSEC has been involved with supporting Community Choice Aggregation since 2007. www.lgsec.org