Community Choice Aggregation (CCA)

National Expansion Efforts
May 2019

ideate
LABS

Digital Image. Pico Rivera Innovative Municipal Energy
www.poweredbyprime.org

Community Choice Aggregation (CCA)

SOURCE → **CCA**
Buying and Building Electricity Supply

DELIVERY → **UTILITY**
Delivering Energy, Maintaining Lines

CUSTOMER → **YOU**
Affordable Rates, Local Control, Clean Energy
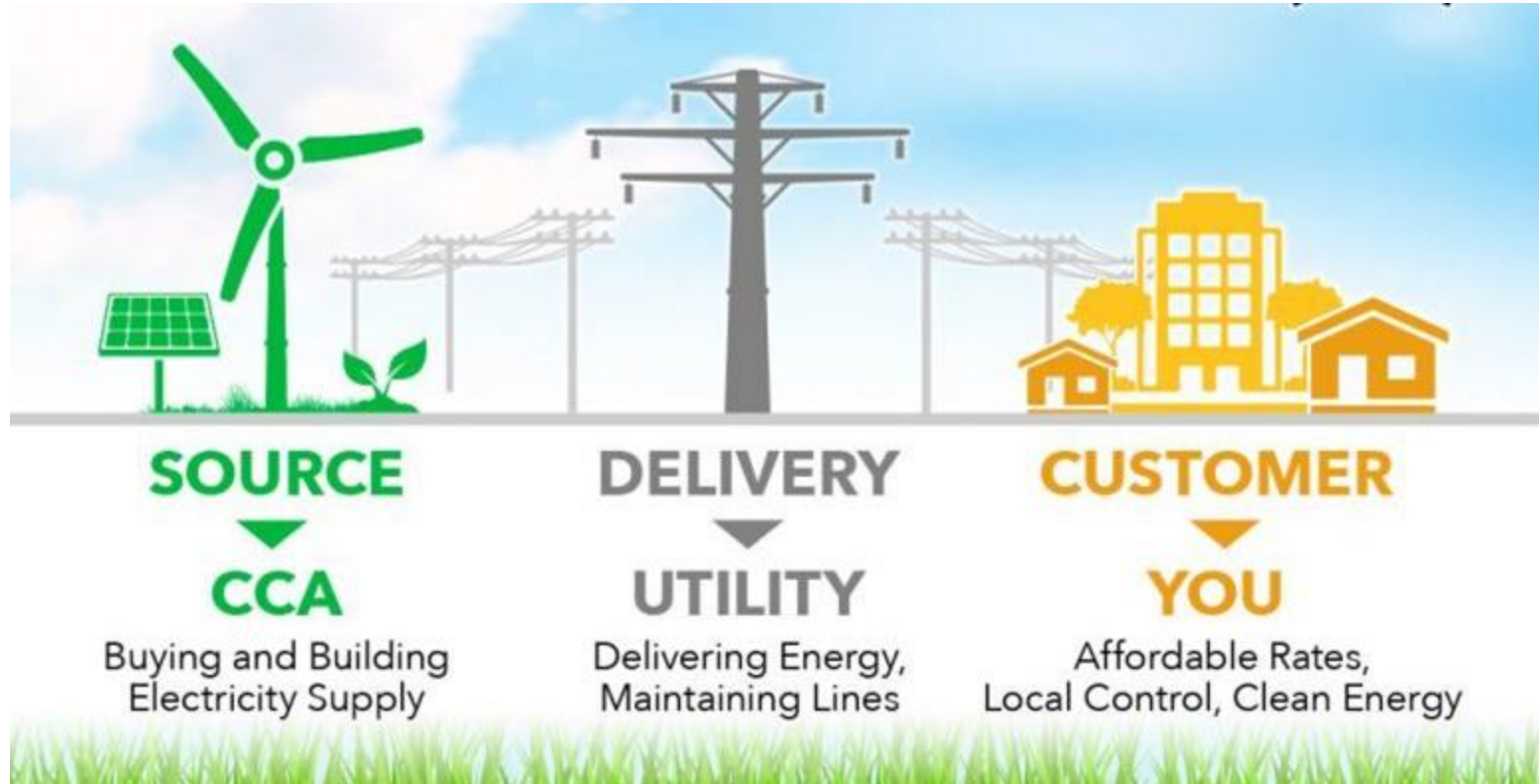
Digital Image. Technocracy. https://www.technocracy.news/wp-content/uploads/2017/04/CCA-infograph-777x437.jpg

Community Benefits of CCA's[1]

Alternative revenue streams to local government

Control over local energy rates

Cost savings to consumers

Encourage local job creation

Promote greater renewable energy use

A new, positive touchpoint with community

1. California Choice energy Authority website. https://californiachoiceenergyauthority.com/benefits-of-cca/

California CCA's

There are 19 operational Community Choice Aggregator (CCA) programs serving approximately 8 million customers in California
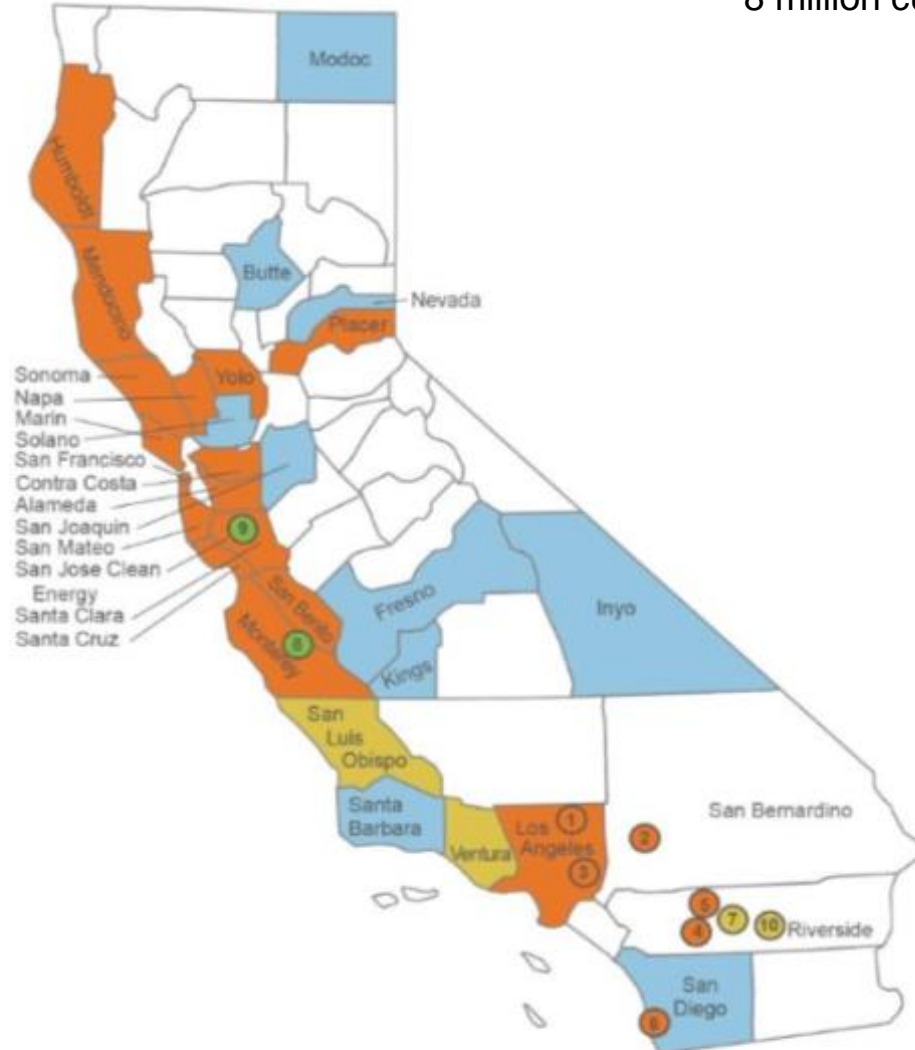
Operational *(as of June 2018)*

MCE Clean Energy
Marin, Napa and Contra Costa Counties, City of Benicia

Sonoma Clean Power
Sonoma and Mendocino Counties

Lancaster Choice Energy (1)

Clean Power San Francisco

Peninsula Clean Energy
San Mateo County

Silicon Valley Clean Energy
Most of Santa Clara County

Redwood Coast Energy Authority
Humboldt County

Apple Valley Choice Energy (2)

Clean Power Alliance of Southern CA
Phase 1 - Municipal LA County

Monterey Bay Clean Power
Santa Cruz, Monterey, San Benito Counties

Pioneer Community Energy
Placer County

Pico Rivera Municipal Energy (PRIME) (3)

San Jacinto Power (4)

Rancho Mirage Energy Authority (5)

East Bay Community Energy
Alameda County

Valley Clean Energy Alliance
Unincorporated Yolo County, Cities of Davis and Woodland

Solana Beach Energy Alliance (6)

2018 Launch *(anticipated)*

Clean Power Alliance of So CA
Phase 2 - Unincorporated LA County, South Pasadena, Rolling Hills

King City (8)

San Jose Clean Energy (9)
Phase 1

2019/2020 Launch *(anticipated)*

Desert Community Energy (7)
Cities of Palm Springs, Cathedral City, Palm Desert

Clean Power Alliance So CA
Ventura County and 28+ additional cities

San Jose Clean Energy
Phase 2

San Luis Obispo/Morro Bay

Unincorporated Riverside County

Western Community Energy / WRCOG (10)

Investigating

Cities of:	Counties of:
Baldwin Park	Butte
Carlsbad	Fresno
Commerce	Kings
Del Mar	Modoc
El Monte	Nevada
Encinitas	San Joaquin
Hanford	Santa Barbara
Oceanside	Solano
Pomona	
San Diego	
Santa Paula	

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Map: http://leanenergyus.org/cca-by-state/california/

California
Requirements of Feasibility Studies

- Achieve nominal electricity cost savings.

- Increase renewable energy utilization.

- Obtain control over electric generation costs to provide a higher level of rate stability for local residents and businesses.

- The technical / feasibility study identifies pertinent specifications and requirements associated with the prospective CCA Program.

- Include the projected impacts of various clean energy and GHG reduction scenarios.

- Economic / employment component helps determine the broad effects on economy and labor in the County.

FINAL DRAFT

Inland Choice Power
Community Choice Aggregation Business Plan

lancaster + ca

CITY OF LANCASTER, CALIFORNIA

DALESSI   SONOMA CLEAN WATER   MRW & ASSOCIATES

REPORT ON THE FEASIBILITY OF COMMUNITY CHOICE
AGGREGATION IN SONOMA COUNTY

FOR THE CENTRAL COAST REGION

TECHNICAL FEASIBILITY STUDY ON COMMUNITY CHOICE AGGREGATION

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FINAL REPORT
AUGUST 2017
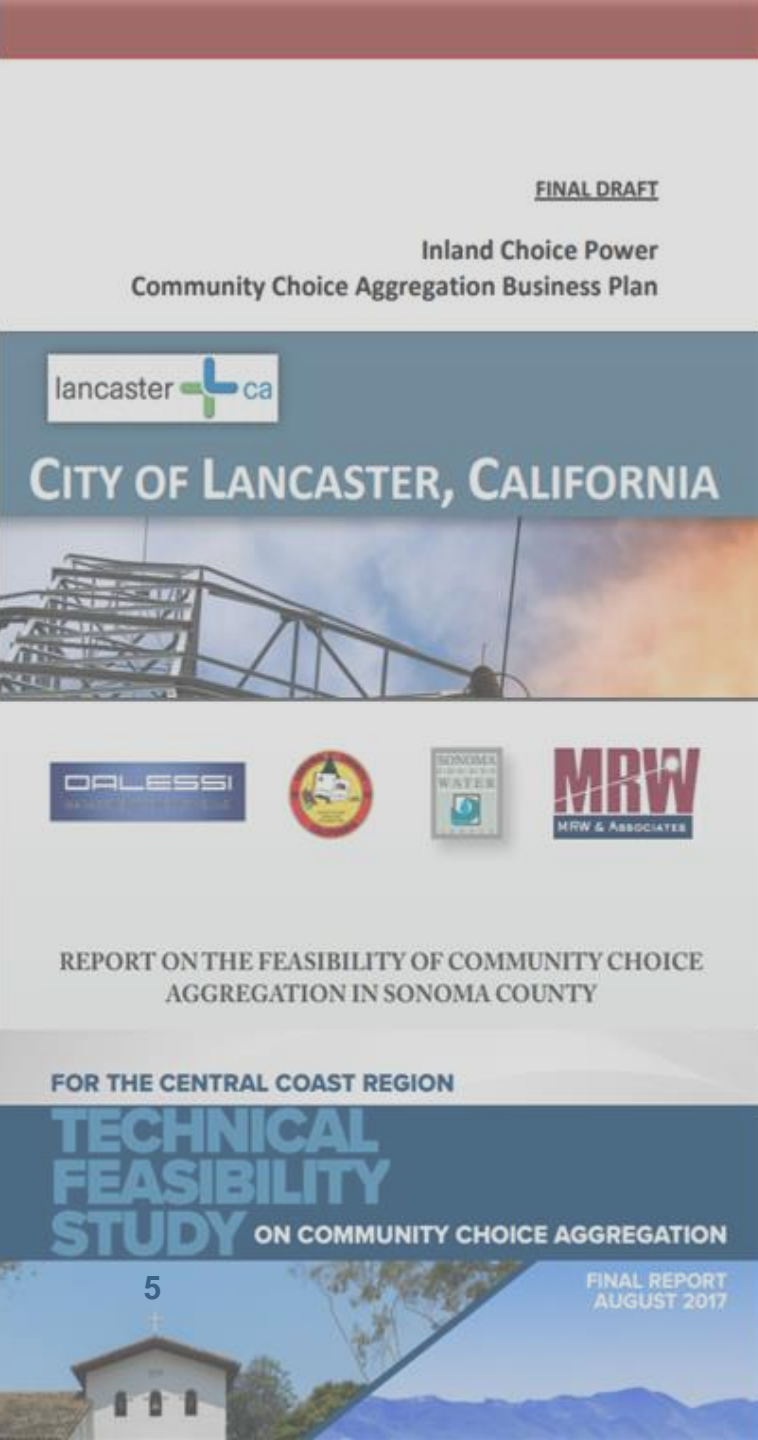
Completion of Feasibility Studies vs. Low Income Assessments

	FEASIBILITY & IMPLEMENTATION STUDY?	LOW INCOME ASSESSMENT?
1. Marin Clean Energy	∨	**No**
2. Sonoma Clean Power	∨	**No**
3. Lancaster Choice Energy	∨	**No**
4. CleanPowerSF	∨	**No**
5. Peninsula Clean Energy	∨	**No**
6. Silicon Valley Clean Energy	∨	**No**
7. Clean Power Alliance (LA County)	∨	**No**
8. Desert Community Energy	∨	**No**
9. Apple Valley Clean Energy	∨	**No**
10. Monterey Bay Community Power	∨	**No**
11. Pico Rivera Innovative Municipal Energy	∨	**No**
12. Redwood Coast Clean Energy	∨	**No**
13. San Jacinto Power		

Comparison between the number of CCAs that developed a feasibility study and included an Low Income Assessment.

Workforce Development

RichmondBUILD

RichmondBUILD students complete a solar installation project.
http://www.ci.richmond.ca.us/1243/RichmondBUILD

➢ A public private partnership focused on developing talent and skill in the high growth, high wage construction and renewable energy fields.

➢ RichmondBUILD participants complete the core Carpentry Pre-Apprenticeship track, and then choose from the following electives:

- Extended Carpentry

- Hazardous Waste Removal

- Solar Energy

- Energy Efficiency

- Electrical Wiring & Theory

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Workforce Development

American Canyon
Solar Project

➢ Renewable Properties developed the small scale solar project in NAPA and will supply power to MCE

➢ Provides 3 MW

➢ Partners with the Workforce Alliance of the North Bay to provide green collar jobs in Napa

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Workforce Development

Antelope Expansion 2

- ➢ SPower and MCE Project
- ➢ Largest Solar Project Completed to Date with Community Choice Aggregator
- ➢ Provides 120 MW
- ➢ Worked with Southern CA Trade Unions

RPS & CCA Retail Sellers

The Renewables Portfolio Standard (RPS) Program requires all retail energy sellers to procure 100% renewable energy by 2050.

Retail Seller	Compliant	Non-compliant*
3 Phases Renewables, Inc.	✓	
Bear Valley Electric Service	✓	
Calpine Energy Solutions, LLC.	✓	
Commerce Energy (Just Energy Solutions, Inc.)		✓
Commercial Energy of California		✓
Constellation New Energy	✓	
Direct Energy Business		✓
EDF Industrial Power Services, LLC.	✓	
Gexa Energy California, LLC.		✓
Liberty Power Holdings, LLC.		✓
Liberty Utilities (CalPeco)	✓	
Noble Solutions	✓	
PacifiCorp	✓	
Pacific Gas and Electric Company	✓	
Pilot Power Group, Inc.	✓	
San Diego Gas & Electric Company	✓	
Southern California Edison Company	✓	
Shell Energy North America, LP	✓	
Tiger Natural Gas		✓

Consumer Protection: Barriers to Sharing of Information

CODE OF CONDUCT

- *Define basic concepts relevant to electric utility actions with respect to CCAs, including "marketing," "lobbying," "promotional or political advertising," and "competitively sensitive information."*
- *Require preparation and distribution of a neutral comparison of the tariffs of the utility and any CCA within that utility's service territory.*
- *Require a separation between a utility's marketing division and its other functional divisions, such as billing and customer service, for any utility that intends to market against actual or potential CCAs within its territory.*
- *Require utilities to provide access to information to CCAs on the same terms as it does for its independent marketing division.*
- *Prohibit utilities from speaking on behalf of a CCA or making any untrue or misleading statement about a CCA's service. Require modified draft rules to apply tariff provisions in the same manner to similarly situated entities.*
- *Institute reporting and other documentation requirements for utilities related to their interactions with CCAs and with their independent marketing divisions.*
- *Require periodic audits of utilities to assess their compliance with the Code of Conduct.*
- *Establish a complaint procedure for use by CCAs in the event that they believe a utility is not meeting its obligations under Code.*

Most Pertinent:

7) An electric corporation shall provide access to utility information, rates and services to community choice aggregators on the same terms as it does for its independent marketing division.

9) An electrical corporation shall refrain from: 1) speaking on behalf of CCA a program; 2) giving any appearance of speaking on behalf of any CCA program; or 3) making any statement relating to the community choice aggregator's rates or terms and conditions of service that is untrue or misleading, and that is known, or that, by the exercise of reasonable care, should be known, to be untrue or misleading.

California

The California Public Utilities Commission expects that by 2025, 85% of all retail households could be served by CCAs

CCA's at a National Level

Authorized in 8 States:
- California
- Illinois
- Massachusetts
- New Jersey
- New York
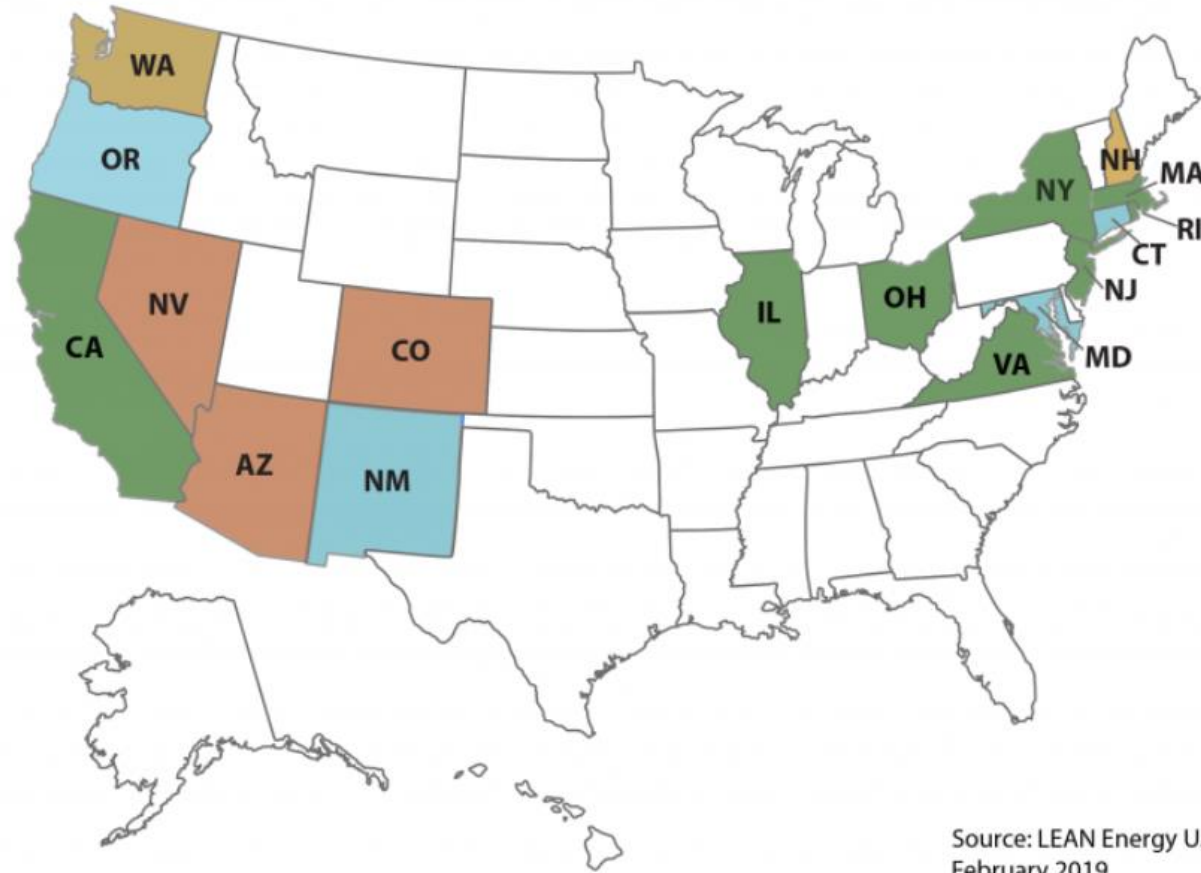- Ohio
- Rhode island
- Virginia

Legislation Introduced:
- Connecticut
- Maryland
- New Mexico
- Oregon

Watch List/Potential:
- Arizona
- Colorado
- Nevada

Inquiries Received:
- New Hampshire
- Washington

Source: LEAN Energy U.S.
February 2019

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Map: http://leanenergyus.org/cca-by-state/

CCA National Legislation

California

AB 117
- Customers can aggregate
- Community Opt-out
- Public agency can aggregate
- Automatic enrollment (opt-out within 60 days)
- Develop implementation plan
- Cost-recovery mechanism
- DWR Charge
- Energy Efficiency administrator
- CCA register with commission

AB 790
- Code of Conduct Rulemaking

New Mexico

SB 374
- Local Government Jurisdiction or Tribal
- Automatic enrollment (4 opportunities to opt-out)
- Develop implementation plan
- Exit fee for procurement costs
- Procurement policy (workforce criteria)
- 10 year limit on exit fee
- Limit on chargers to individual customer benefit

Oregon

HB 2852
- Local Government Jurisdiction
- Automatic enrollment (4 opportunities to opt-out)
- No CCA formed until 3 years after cost recovery plan is implemented by CPUC
- Develop Implementation plan
- Cost-recovery plan (exit fee)
- 5 year limit on exit fee
- Preclude electric company from marketing or lobbying against CCA
- Meet RPS standards

Policy Advocacy: Sierra Club

CALIFORNIA NEVADA REGIONAL CONSERVATION COMMITTEE

Goal by 2030: Over 50% of state electricity demand in CCAs or municipal energy programs.

Actions for 2018: Work with national Club staff, chapters, activists, labor and other organizations to:

- Ensure CCAs incorporate community input and are designed to achieve Sierra Club goals.

- Reduce or eliminate exit fees and other unfair burdens on Community Choice Energy;

- Encourage local municipal officials to form and join CCAs in their locality and region;

- Push existing and new CCAs to prioritize and implement best CCA practices in energy efficiency, local, distributed renewable energy, and workforce development programs

https://www.sierraclub.org/california/cnrcc/ecc-support-community-choice-energy

Issues To Watch- CCA Expansion

- Generating living wage jobs- local jobs/local generation

- Meeting renewable goals- compliance of retail sellers

- Serving all customers- impact on low income

- Maintaining resource adequacy rules- oversight of procurement

- Meeting supplier diversity goals- parody

- Promoting consumer protections- parody

- Access to capital- lack of credit history

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- Cost shifting to customers- increased costs

Thank You

✓ **Jose Atilio Hernandez**
213.434.0824

jhernandez@ideatecal.com

www.ideatecal.com

Research & Resources

Marin Clean Energy:

Light Green – Default service program

Deep Green – Optional 100% renewable energy program

Deep Green Champion Program – Local businesses, non-profits, and public agencies that choose 100% renewable energy.

Local Sol Program – Community Solar, 100% Local Solar Energy

Net Energy Metering (NEM) Program – – Bill credit for clean power fed to the grid

Smart Charge Electric Vehicle Pilot Program – An EV pilot program that adapts the times when your car is charging in order to help relieve grid congestion and maximize renewable energy capacity in California.

Energy Efficiency Program – Rebates, technical assistance and financing for energy efficiency

Feed-in Tariff Program – Standard payment and terms for mid-scale projects (up to one megawatt capacity)

Sonoma Clean Power:

CleanStart – Basic default service

EverGreen – Optional 100% renewable energy

NetGreen – Bill credit for clean power fed to the grid

ProFIT – Standard payment and terms for mid-scale projects (up to one megawatt capacity)

Drive EverGreen – A program aimed at fostering electric vehicle adoption

Energize – Demand response

Lancaster Choice Energy:

Clear Choice – Basic, default service

Smart Choice – Optional 100% renewable energy

Personal Choice Program – Bill credit for clean power fed to the grid

Smart Choice Champions – Local businesses, non-profits, and government agencies that choose to buy 100% renewable energy

Research & Resources

CleanPowerSF:
Green – Basic, default service
SuperGreen – Optional 100% renewable energy
Solar Net Energy Metering – Bill credit for clean power fed to the grid
Peninsula Clean Energy:
EcoPlus – Basic, default service
Eco100 – Optional 100% renewable energy
Solar Net-metering – Bill credit for clean power fed to the grid
Silicon Valley Clean Energy:
GreenStart – Basic, default service
GreenPrime – 100% carbon free, 100% renewable
Solar Rooftop – net metering program
Clean Power Alliance
Desert Community Energy