

# CCA Economic Development Review

September 14, 2017

# Executive Summary

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Community Choice Aggregation (CCA) offers various economic development opportunities that depend on program design:

- Consumer Savings
- Energy Procurement
- Jobs and Employment
- Electric Vehicles

# Consumer Savings

CCA programs offer competitive rates that are typically lower than the incumbent utility. The feasibility study estimates that average rates under a program with 50% renewable content would be 10.85% lower than SDG&E’s rates by 2026 and contribute to annual savings of \$59.2 million.

Table 28: Projected Rate Savings Effects on Local Economy

Impact Type	Jobs (FTE)	Labor Income	Total Value Added	Output
<b>Direct</b>	435.2	\$12,838,821	\$20,069,498	\$31,116,656
<b>Indirect</b>	42.8	\$2,687,672	\$4,633,454	\$7,772,725
<b>Induced</b>	66.6	\$3,379,934	\$6,047,777	\$9,932,081
<b>Total</b>	<b>544.7</b>	<b>\$18,906,427</b>	<b>\$30,750,730</b>	<b>\$48,821,462</b>

## Consumer Savings (Continued)

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Net Energy Metering (NEM) rates are structured differently at CCA programs and provide benefits that exceed what is offered by the utility.

- Marin Clean Energy (MCE) has about 9,600 NEM customers and offers .09/kWh for excess energy that they generate, while Pacific Gas & Electric offers \$.03-.04/kWh.
- Cash rebates are available. MCE recently completed its sixth annual cash out process for rooftop solar customers, paying \$1.35 million to buy electricity from approximately 1,500 customers.

# Energy Procurement

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MCE has a goal of 80% renewable content by 2025 and has committed \$1.6 billion to build 813 MW of new renewable energy projects in California.

- Long-term PPAs ranging from 10 to 25 years
- \$903 million in solar projects
- Contracting parties –
  - EDF Renewables
  - Terra-Gen
  - Recurrent Technology
  - Dominion Energy
  - sPower

## Energy Procurement (Continued)

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Recurrent Energy – Mustang Solar Power Project (30 MW)  
(Lemoore, Kings County)

# Jobs and Employment

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MCE's commitment to new renewable projects is anticipated to generate substantial job and employment benefits.

- 2,800 jobs created
- Projects built with union labor resulting in 1.2 million union labor hours
- Local projects receive preference
- Sustainable workforce policy governs

## Jobs and Employment (Continued)

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RichmondBuild is a workforce training partnership between MCE and the City of Richmond that provides specific training in the construction and energy industries and general support to participants.



Freethy Industrial Park, Unit 1 (1 MW)

(Richmond, Contra Costa County)

# Electric Vehicles

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Sonoma Clean Power (SCP) has been a first mover in promoting electric vehicles use and last month approved its EV Incentive Program.

- Discounts for customers on nine models of electric vehicles at seven local dealerships
- Free home chargers
- Bonus incentive for low income-qualified customers
- Additional incentives available to shared vehicle drivers (such as Uber and Lyft) who use electric vehicles for “fare miles” meaning miles driven for a customer

## Electric Vehicles (Continued)

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City of Lancaster has also moved into the electric vehicle space, but in a different way.

- Recruited BYD to locate an electric bus and battery manufacturing plant in Lancaster
- Partnered with BYD on various projects, including the “Home of the Future” and transportation projects
- LCE is partnering with the Antelope Valley Transit Authority to fully electrify its public bus fleet by 2018

## Electric Vehicles (Continued)

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LA Metro Bus Manufactured by BYD

(Los Angeles County)

# Questions

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