

Organizing for Action panel to discuss CCA.
August 31, 2017. Photo by Kyoko Takayama.



Community Power Coalition

4th 2017 meeting
September, 2017

Agenda

Guest speaker - Srinidhi Sampath presenting on MCE's newest pilot, Low-income Families and Tenant (LIFT) program

- Summary of eclipse's impact on solar
- Redwood Landfill Ribbon Cutting
- Local project development update
- MCE naming update
- Deep Green Dream, 2017 update
- Summary of recent legislative hurdles
- New videos to share
- Energize Richmond results
- GRID Alternatives update
- PCIA OIR Scoping Memo

Other member updates or future agenda items?



Low Income Families & Tenants (LIFT) pilot



MCE

Low Income Families and Tenants
(LIFT) Pilot Program

Income Eligibility



Number of persons in household	Total gross annual household income
1-2	\$32,480 or less
3	\$40,840 or less
4	\$49,200 or less
5	\$57,560 or less
6	\$65,920 or less
7	\$74,280 or less
8	\$82,640 or less
9	\$91,000 or less
10	\$99,360 or less
Each additional person, add	\$8,360



LIFT Program

Program Components

- Layered Rebates
- CBO partnerships
- Heat pumps
- SPOC

Target population

- Hidden communities
- Multifamily communities
- Extremely Low Income

\$3.5 million

October
2017 Launch



Layered rebates using the Multifamily program

Available to **Market rate** and **affordable** multifamily properties in **all member communities**

Multifamily

Offerings



Current offerings:

- No cost **energy assessments** (valued at \$3,000-\$5,000; max deposit \$500 reimbursed at completion)
- No cost **technical assistance** to solicit bids and develop scope of work
- Additional rebates through the Multifamily Energy Savings program
- Post-project **quality assurance**
- Minimum 1 year **contractor warranty**

Additional offerings

- **\$1,200 rebates** per unit from LIFT
- No cost **heat pumps** in eligible properties

1

• Complete Online Questionnaire and meet Income Eligibility

2

• Submit Intent to Proceed & Good Faith Deposit

3

• Schedule Assessment

4

• Finalize Scope, & Hire Contractors

5

• Complete Construction & Direct Install

6

• Schedule Site Verification

7

• Receive Rebate from MCE within 2 Weeks and fill out LIFT survey

Program Process



Case Study from 2015



Tiburon, Novato & San Rafael



206

Total units served





\$13,200


Total Rebates


EAH

Affordable
Housing

 2,766 Therms
\$ 3,043

 25,111 kWh
\$ 3,767

 404,844 Gal
\$ 810

 \$7,620 Total Savings

=



77,443

Miles driven by an average passenger vehicle*

=

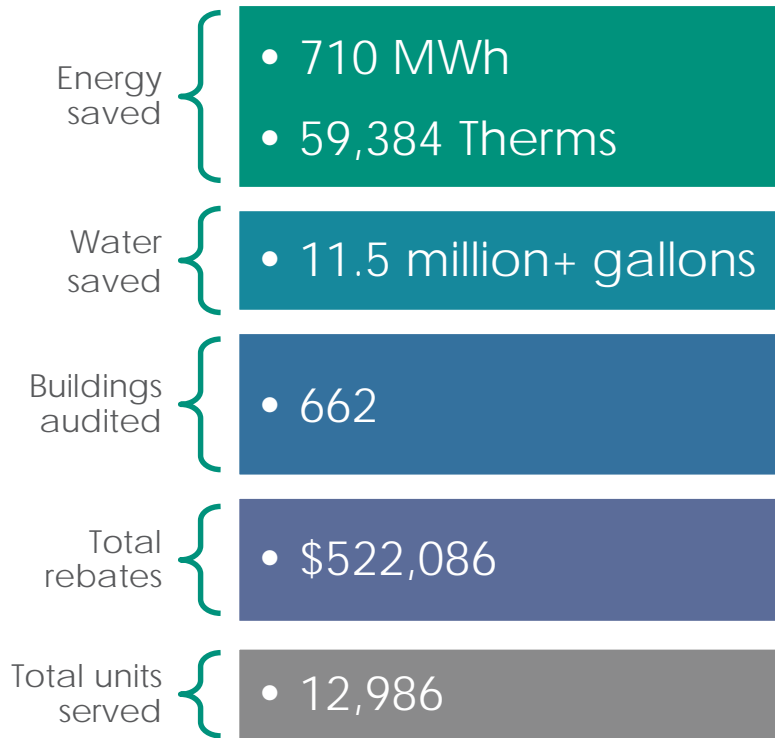


10,121+

Average bathtubs filled with water*

*EPA

EAH Estimated Annual Savings



=

Greenhouse Gas emissions from



91



180



994 ac.

Multifamily Program Accomplishments

January 2013 to July 2017

What you can do?



- Reaching out to communities

- Engaging housing agencies and nonprofits

- Referring properties

- Promoting our SPOC model and knowledge of MCE'S programs

- Supporting our larger goals

Thank You!

Srinidhi Sampath Kumar

Customer Program Specialist

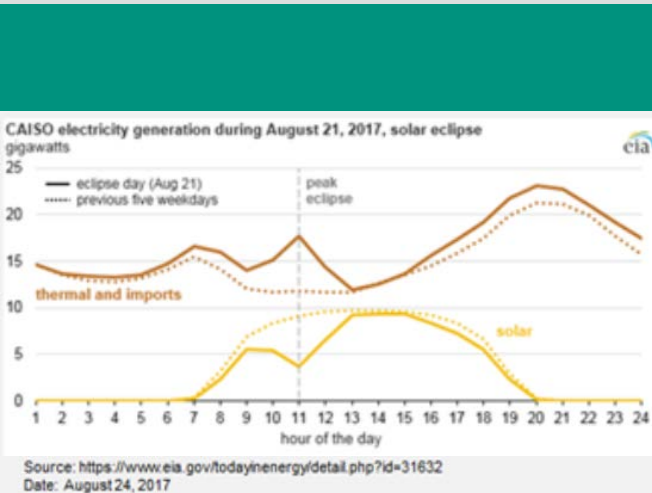
ssampath@mceCleanEnergy.org

(415) 464-6658



MCE Updates

In the dark about what happened during the eclipse?



START: Eclipse started at 9:11 a.m. on August 21. Solar production started at 6,392 MW then dropped to 2,845 MW at maximum darkness (10:24 a.m.); a dip of 3,547 MW. One megawatt typically powers 750 to 1,000 homes.

DURING: Solar output fell roughly 48.4 MW / minute during the 73 minutes it took from start to peak obscuration. From 10:24 to 11:17 a.m., solar generation rose by 4,064 MW to 6,909 MW.

AFTER: At 11:17 a.m., the market started curtailing solar production. Even more impressive was the fast climb of solar output following the end of the eclipse (11:55 a.m. - 12:13 p.m.). There was a ramp rate of 150 MW per minute, on average. This was a result of solar generators coming back online all at once.

To read more about the eclipse:

caiso.com/Documents/CaliforniaISOSuccessfullyWeatheredSolarOutputDropDuringEclipse.pdf

Redwood Landfill, Feed-in Tariff

September 20th
ribbon-cutting at the
Redwood Landfill
and Recycling Center

First local bioenergy
project

Partnership with WM
(Waste Management)



3.9 megawatts.
Baseload.

Landfill gas-to-energy.
Enough for 5,000 homes.

Feed-in Tariff Queue

MCE recently accepted seven new (FIT) applications, six of which came in August.

- 2 in City of Napa
- 3 in American Canyon (possibly 4)
- 1 in Oakley, which just joined MCE in July!

Price Schedule

The current FIT pricing* is determined by the number of confirmed program participants and is therefore subject to change. Allocations in the program are secured on a first come first serve basis.

MCE FIT is currently in Condition 6, which offers the following prices:

\$95

Peak Energy Price per MWh

\$95

Baseload Energy Price per MWh

\$90

Intermittent Energy Price per MWh

Condition	Remaining Capacity (MW)	Peak Energy Prices (20-year term, \$/MWh)	Baseload Energy Prices (20-year term, \$/MWh)	Intermittent Energy Prices (20-year term, \$/MWh)
Condition 1	0	\$137.66	\$116.49	\$ 100.57
Condition 2	0	\$120.00	\$105.00	\$ 95.00
Condition 3	0	\$115.00	\$100.00	\$ 90.00
Condition 4	0	\$110.00	\$95.00	\$ 90.00
Condition 5	0	\$105.00	\$95.00	\$ 90.00
Condition 6	1.97	\$95.00	\$95.00	\$ 90.00
Condition 7	3	\$90.00	\$90.00	\$ 90.00

New California Renewables

Related to FIT, updated California development numbers (as of 9/21/17):

*Missing: 5-6 new FIT applications

Phase	Expected production (GWhs)	Project Capacity (MWs)
Online	632.64	188.67
Construction (steel in the ground)	23.5	10.5
Development (interconnection agreement executed; PPA in process of being signed)	1,486.94	613.08
Totals	2,143.08 (~79% of 2017 load)	812.245 (~149% of 2017 peak)

Marin & Contra Costa Projects:
19.95 MWs; 64.1GWhs

What's in a name?

Thank you for the all time and feedback you've generously provided for MCE's naming exploration. As you may be aware, the timing of a naming decision is largely influenced by the upcoming Contra Costa enrollment activities, which will quickly begin ramping up in October/November.

In order to provide our Board with adequate time to deliberate our name, and to afford our newest Contra Costa Board members, who are still joining this fall, the opportunity to provide substantive input, we will be continuing our naming discussions to a future meeting in 2018.

All of the valuable insights and feedback that you and others have provided have been collected and will be reviewed when the discussion resumes. Thank you for all of your time and input!

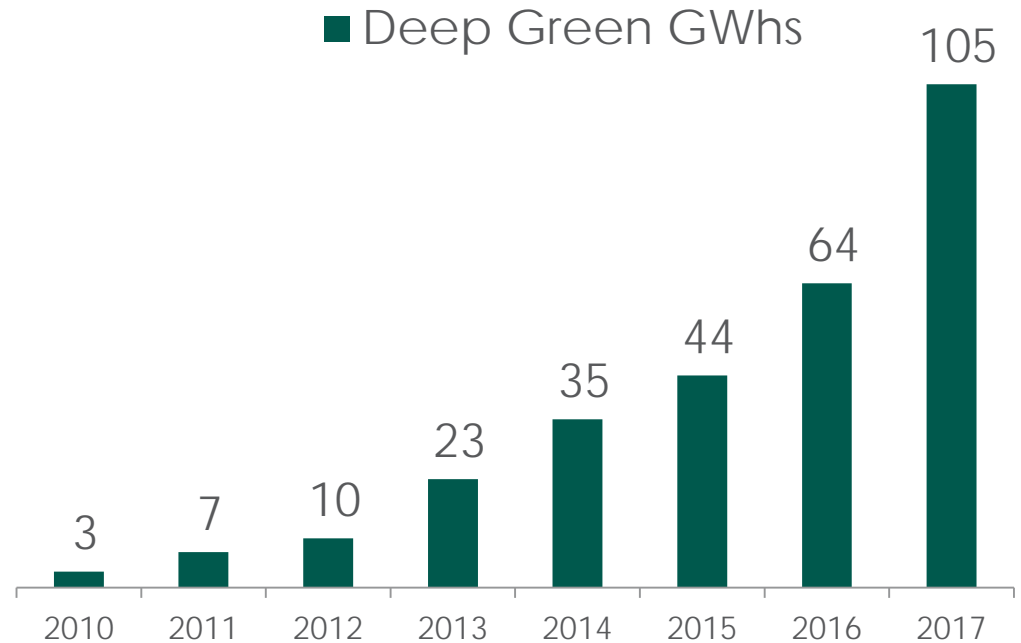
-- MCE's Marketing Team



We'll still smell as sweet!

Growth of Deep Green

- 4,800 customers in Jan 2017 grows to 6,700 customers in Sept 2017
- Over 23,500 metric tons of carbon reduced
- 4% of current load



New 2017 Deep Green Customers

12 Local Govs Opted Up

- Joining Belvedere, Fairfax, San Anselmo, San Pablo (city hall), Sausalito
- Direct email marketing to residents
- Lafayette also opted up, but did so after this graphic was created



~6,000 Metric Tons of GHG Reduced

Deep Green Dream!

Prior to launch in the new communities, we will hit our 2025 goal of 5% of our current load in Deep Green.

Current DG enrollment is about 2.62% of MCE accounts.

Six of MCE's Deep Green local governments are partnering on an email outreach campaign to increase opt ups.

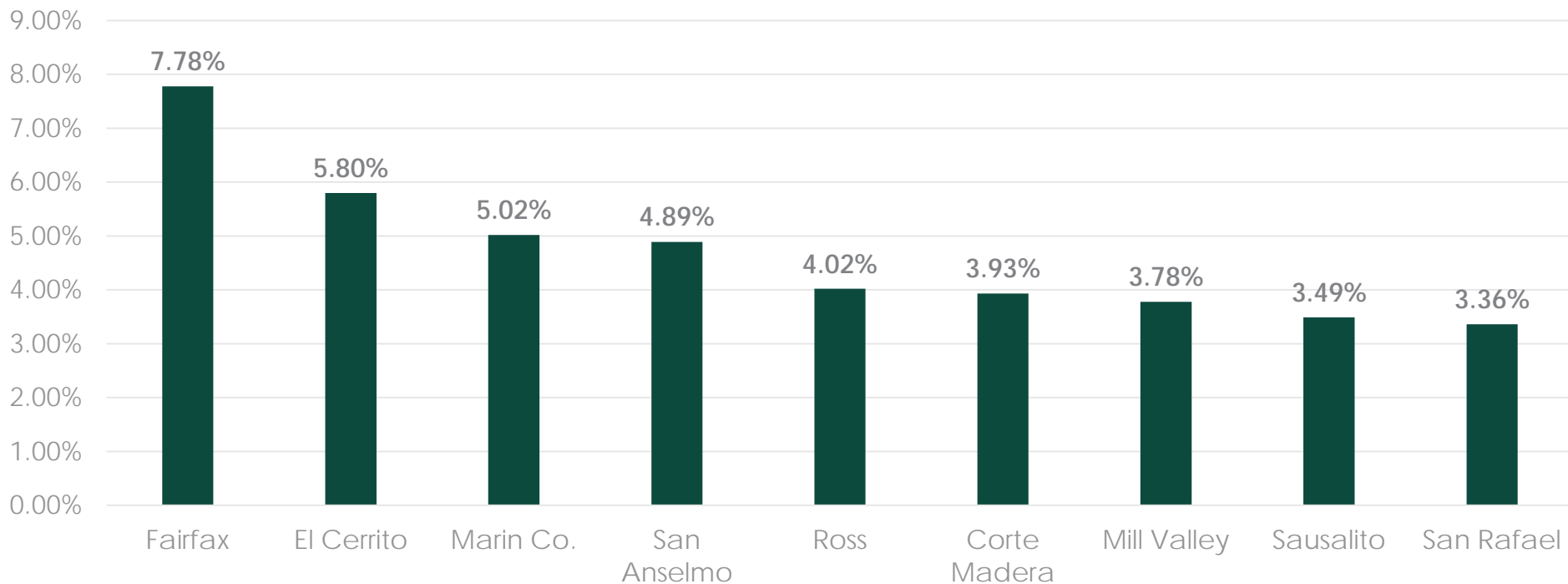
Preliminary results:
~9,000 emails sent & more to go
86 opt ups! (~1%)



Jan 2017: ~4,800 accounts, Sept 2017: ~6,700 accounts.
That's a **37%** increase in 9 months!

Adoption of Deep Green

Highest % of accounts enrolled in Deep Green by community



New 2017 Deep Green Customers

19 New
Deep Green
Champion
Businesses



~6,000 Metric Tons of GHG Reduced

#OptUP Easily on Your Mobile Device

- 1 Go to mceoptup.org
- 2 Fill in your name, email, address, and phone number
- 3 Tap the authorization box
- 4 Hit submit!



2017 Legislation

- SB 618 (Bradford)
- Potential CCA Freeze
- AB 726/AB 813 (Holden)
- SB 100 (De León)
- And six others



Visual Story Telling

Feel free to
share with your
networks!

New English videos:

Local Project – [Cooley Quarry](#)

Local Project – [Buck Institute](#)

Local Project – Solar One [update 1](#); [update 2](#)

Local Project – [Redwood Landfill](#)

Local Projects – [Compilation of many sites](#)

Deep Green Champion – [The New Wheel, Larkspur](#)

Deep Green Promotion – What will you #OptUp for? ([15 secs](#); [30 secs](#))

Net Energy Metering, [English](#)

MCE Local Workforce Development Partners, stay tuned!

New Spanish videos:

Deep Green Champion – [Rising Loafer Café and Bakery, Lafayette](#)

Net Energy Metering, [Spanish](#)

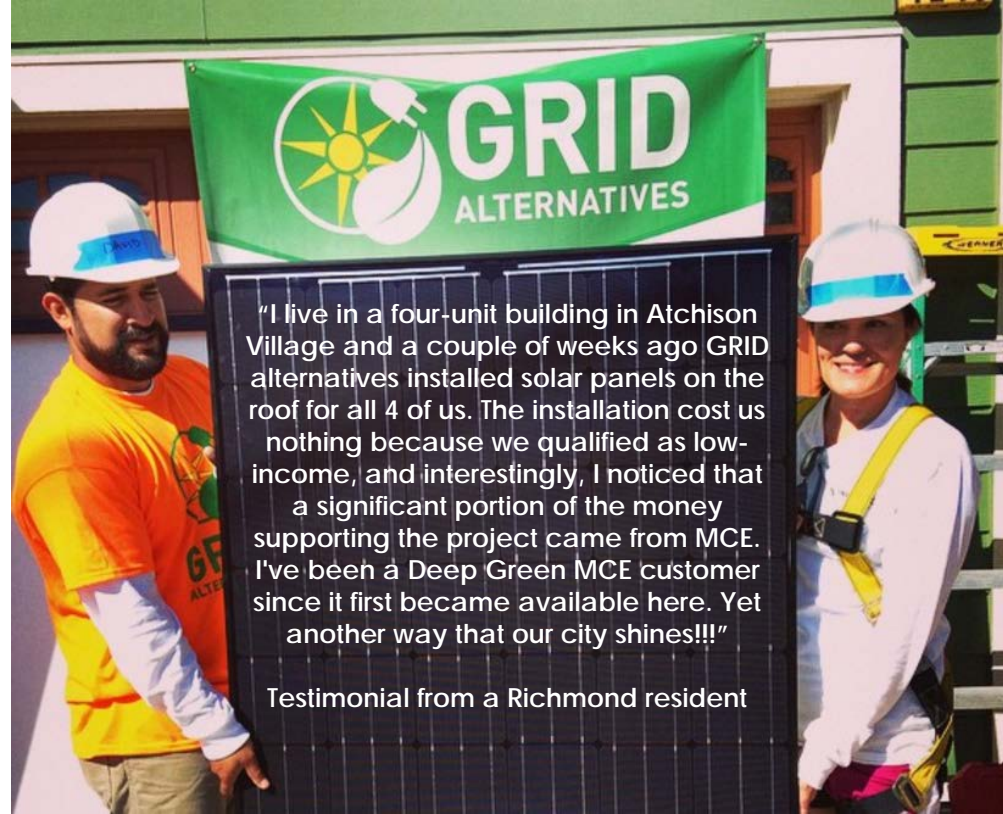
Energize Richmond results

- 73 businesses enrolled after contact with MCE and/or our partners
- 58% spoke English as a second language (primarily Spanish)
- 394,688 kWh projected energy savings
- \$122,000 incentives invested by the City of Richmond
- \$87,134 incentives invested by EBEW and MCE



MCE's Alexandra McGee
with EBEW's Rianto Lie

- Allocated \$155,000 in solar rebates, administered by GRID Alternatives
- Helped fund 68 solar installations for low-income families → 167 kW of new, local solar
- \$1.5M in expected energy savings for avoided electricity costs
- Estimated 3,000 metric tons of GHG emissions eliminated
- Soon available for main service panel upgrades



MCE low-income solar rebates (2012-2018)

OIR Scoping Memo

OIR – 2 tracks

1st: CARE & Medical Baseline Exemption (briefing in Dec 2017; proposed decision in April 2018)

2nd: PCIA Data Access, Transparency, Reform (briefing in March/April 2018; proposed decision in July 2018)

Degrees of involvement: from informal public comment to the CPUC to formal regulatory engagement

Extremely aggressive timeline

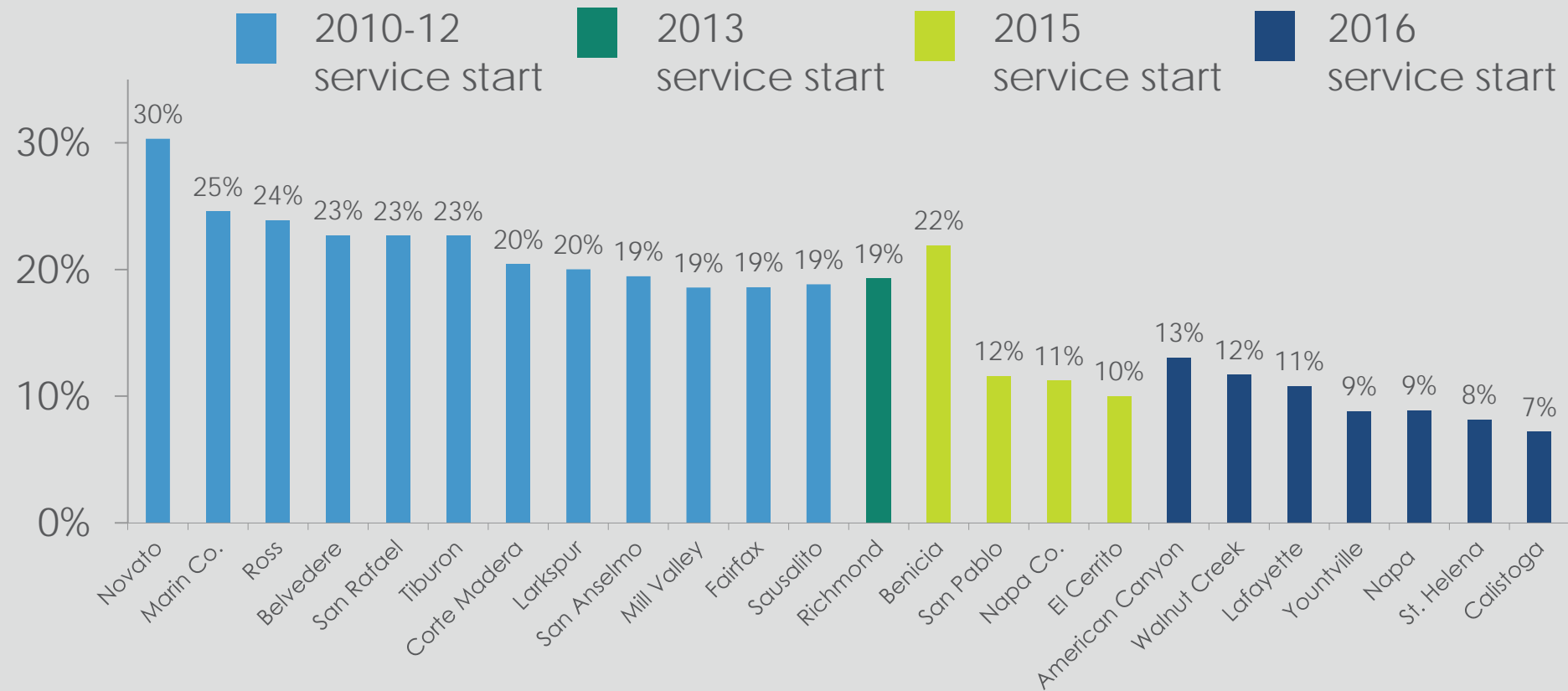
	PG&E	SCE	SDG&E
CCA Customers (not CARE or Medical Baseline)	Yes	Yes	Yes (other than residential)
CCA CARE Customers	Yes	No	No
CCA Medical Baseline Customers	No	No	No

400% increase since 2012

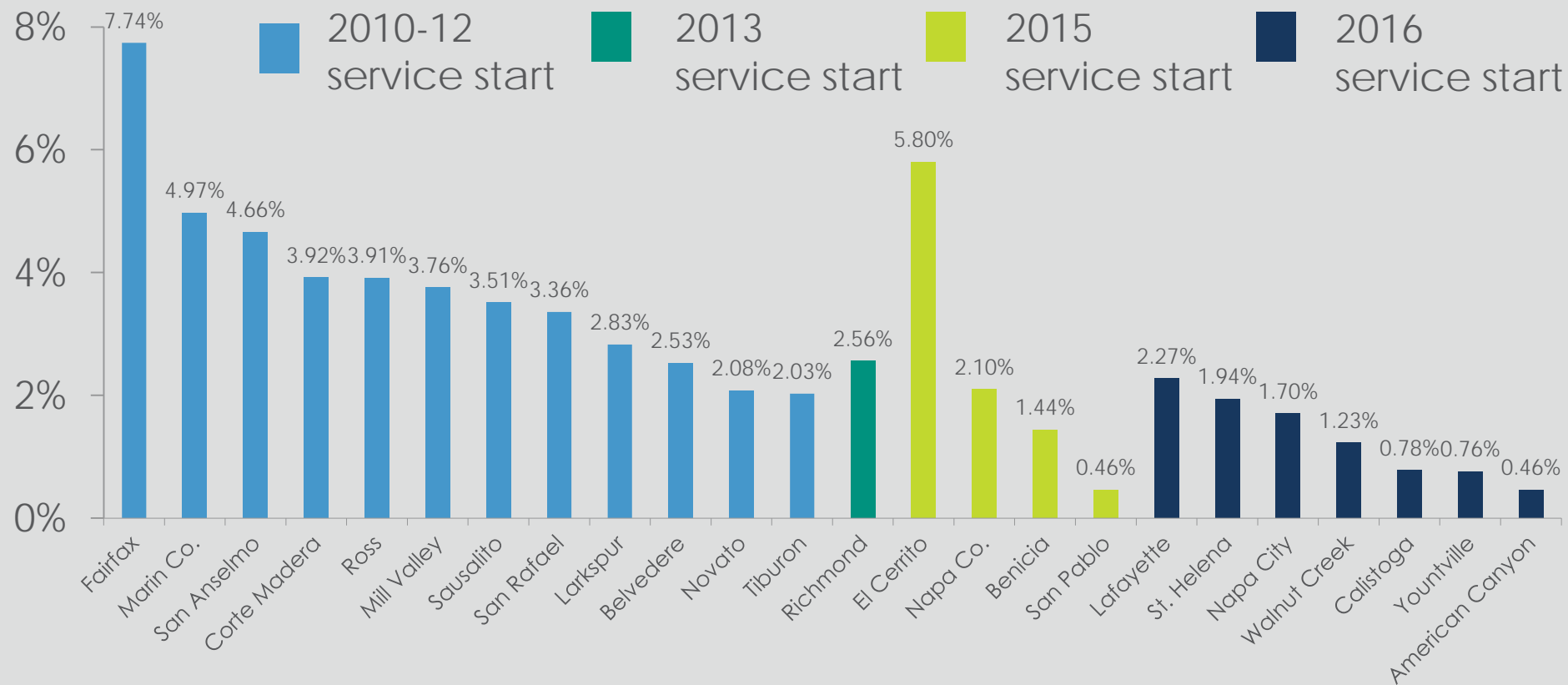
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Additional Slides

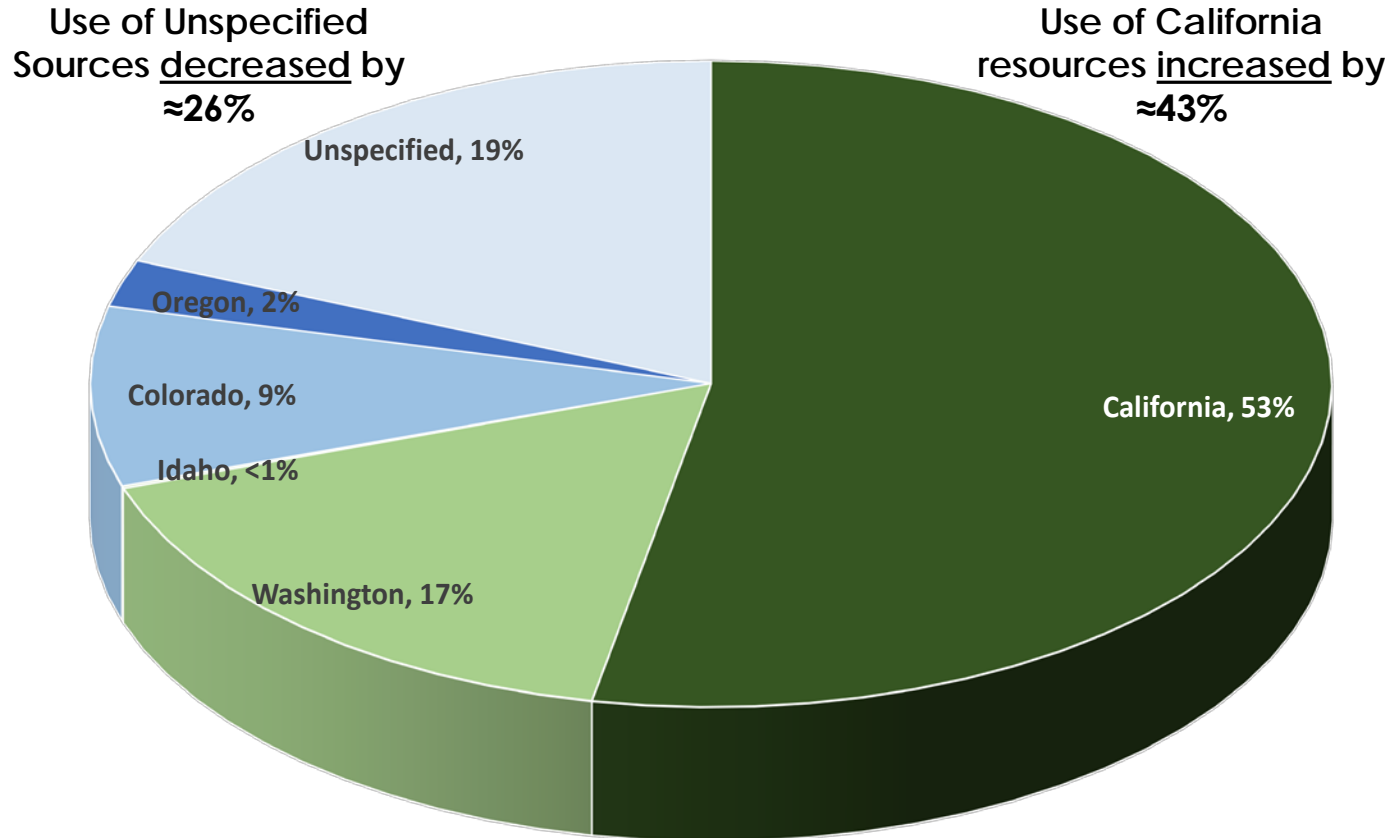
Opt Outs (8/1/17)



Deep Green (Opt Ups, 8/1/2017)



MCE Resource Locations (All, 2016)



MCE Resource Locations (RE Only, 2016)

Use of Out-of-State
resources decreased
by **≈46%**

Use of California
resources increased by
≈54%

