



District Economic Facts from Climate Policies

California Assembly Districts
August 2016

Districts 61 - 80



**Good for the Economy.
Good for the Environment.**

Understanding the Numbers:



The top-line investment number comes from public and private funding sources. Many public programs require a private sector cost-share. This number is broken into general categories at the top of Page 2. Projects which span multiple districts are assumed to be divided evenly between them. [Kevala Analytics](#) provided this assessment, with funding support from E2 and NextGen.



Job metrics are the results of the [2016 California Advanced Energy Employment Survey](#) conducted by Advanced Energy Economy (AEE).



Cap and Trade funding to each district is gathered from the [Air Resource Board \(ARB\) Greenhouse Gas Reduction Program and California Climate Investment](#). The final value represented in the document omits duplicate entries and does not account for projects that impact multiple districts or high-speed rail. This creates a conservative disclosure of total investment that does not reflect 100% of funding allocation by ARB. There is an additional \$1.6 Billion available in this fund, awaiting allocation to districts.



The percent of funding which benefits disadvantaged communities is also gathered from the [Air Resource Board \(ARB\) Greenhouse Gas Reduction Program and California Climate Investment](#).

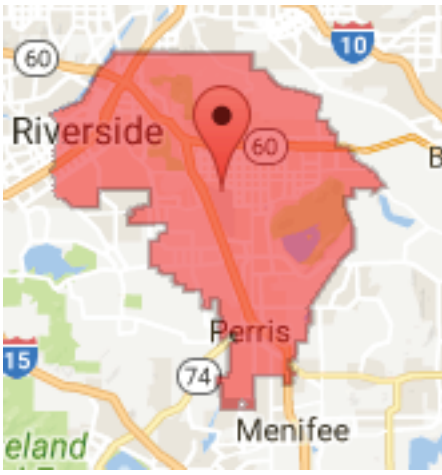


The ARB dataset reports greenhouse gas emission reductions from each project in metric tons of CO2 equivalent. E2 applied an emission equivalent of “number of cars off the road for one year” using the EPA’s [Greenhouse Gas Equivalency Calculator](#).

Metrics on the second page such as Renewable Generation, Transportation, Energy Efficiency, and Other Climate Investment are gathered from datasets compiled by [Kevala Analytics](#). These dollar amounts total the top-line investment number on Page 1.

In cases where some districts did not receive investment within a category, the field was omitted from the fact sheet.

The table on the bottom of Page 2 provides a more detailed report of funding allocation from the Greenhouse Gas Reduction Fund data.



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Assembly District 61

Jose Medina

The economic benefits of California's climate policies in-district to date:



\$262 Million

Documented in-district investment in renewable energy, energy efficiency, transportation, and other climate projects



4,324 Jobs

in the local advanced energy economy



\$9.7 Million

Cap and Trade funds allocated to the district



100% of cap and trade funds

benefit disadvantaged communities



108,693 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$196 Million Invested

3,209 Projects

54 Megawatts

Transportation



\$9.5 Million in Incentives

515 EV Rebates

30 Public EV Stations

Energy Efficiency



\$38 Million Invested

1,202 Projects

Other Climate Investment



\$12 Million Invested

\$5.9 Million

Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 61, Jose Medina					
Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities
Affordable Housing and Sustainable Communities	\$ 6,109,114	21,712	1	1	\$ 6,109,114
Clean Vehicle Rebate Project	\$ 382,400	9,176	190	188	\$ 378,244
Enhanced Fleet Modernization Program Plus-Up	\$ 15,000	50	4	4	\$ 15,000
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project	\$ 56,766	171	3	3	\$ 56,766
Increased Incentives for Public Fleets Pilot Project in	\$ 5,250	9	1	1	\$ 5,250
Low Carbon Transit Operations	\$ 58,822	-	1	1	\$ 58,822
Organics Composting/Digestion	\$ 3,000,000	483,000	1	1	\$ 3,000,000
Single-Family Solar Photovoltaics	\$ 68,898	-	7	7	\$ 68,898
Grand Total	\$ 9,696,250	514,118	208	206	\$ 9,692,094

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics |

GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 62

Autumn Burke

The economic benefits of California's climate policies in-district to date:



\$313 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation, and other climate projects



4,175 Jobs

In the local advanced energy economy



\$1.6 Million

Cap and Trade funds allocated to the district



59%

 of cap and trade funds
benefit disadvantaged communities

7,185

 cars off the road
emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$247 Million Invested

1,923 Projects
43 Megawatts

Transportation



\$10.6 Million in Incentives

2,020 EV Rebates
133 Public EV Stations

Energy Efficiency



\$46 Million Invested

1,965 Projects

Other Climate Investment



\$9.4 Million

Returned to Ratepayers

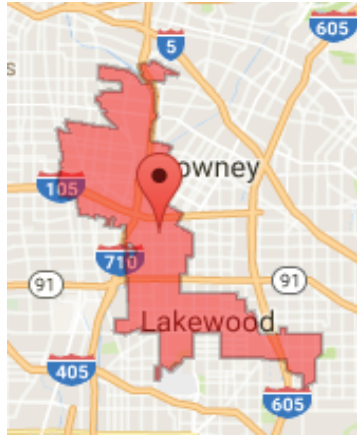
In-district Cap and Trade fund distribution:

District 62, Autumn Burke					
Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities
Clean Vehicle Rebate Project	\$ 1,503,745	33,812	692	384	\$ 824,237
Enhanced Fleet Modernization Program Plus-Up	\$ 18,500	68	7	7	\$ 18,500
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 52,560	106	1	1	\$ 52,560
Single-Family Solar Photovoltaics (PV)	\$ 82,854	-	6	6	\$ 82,854
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 110	-	1	1	\$ 110
Grand Total	\$ 1,657,769	33,986	707	399	\$ 978,262

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics |

GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 63

Anthony Rendon

The economic benefits of California's climate policies in-district to date:



\$155 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation, and other climate projects



3,981 Jobs

in the local advanced energy economy



\$597,000

Cap and Trade funds allocated to the district



100% of cap and trade funds

benefit disadvantaged communities



1,912 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$88 Million Invested

1,589 Projects
26 Megawatts

Transportation



\$10.5 Million in Incentives

418 EV Rebates
7 Public EV Stations

Energy Efficiency



\$45 Million Invested

1,896 Projects

Other Climate Investment



\$10.5 Million

Returned to Ratepayers

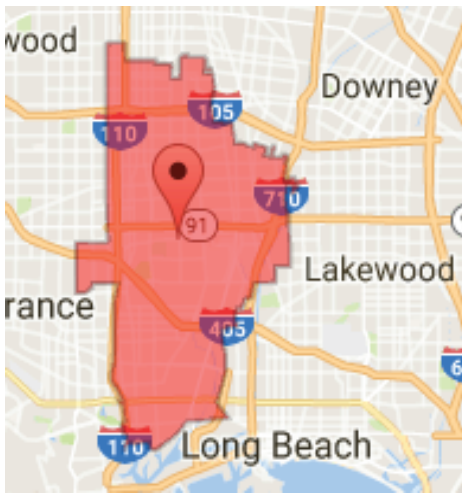
In-district Cap and Trade fund distribution:

District 63, Anthony Rendon					
Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities
Clean Vehicle Rebate Project	\$ 355,435	8,884	185	184	\$ 353,870
Enhanced Fleet Modernization Program	\$ 15,000	47	6	6	\$ 15,000
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 48,235	114	2	2	\$ 48,235
Single-Family Solar Photovoltaics (PV)	\$ 162,391	-	31	31	\$ 162,391
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 16,204	-	41	41	\$ 16,204
Grand Total	\$ 597,265	9,045	265	264	\$ 595,700

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics |

GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 64

Mike Gipson

The economic benefits of California's climate policies in-district to date:



\$166 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation, and other climate projects



4,578 Jobs

in the local advanced energy economy



\$4.3 Million

Cap and Trade funds allocated to the district



100% of cap and trade funds

benefit disadvantaged communities



8,705 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$107 Million Invested

1,976 Projects
48 Megawatts

Transportation



\$3.7 Million in Incentives

442 EV Rebates
15 Public EV Stations

Energy Efficiency



\$46 Million Invested

1,972 Projects

Other Climate Investment



\$3.4 Million Invested

\$6.3 Million
Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 64, Gipson, Mike					
Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities
Affordable Housing and Sustainable Communities	\$ 3,400,000	33,602	2	2	\$ 3,400,000
Clean Vehicle Rebate Project	\$ 279,104	6,831	142	142	\$ 279,097
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 303,560	741	13	13	\$ 303,560
Single-Family Solar Photovoltaics (PV)	\$ 280,004	-	32	32	\$ 280,004
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 13,407	-	29	29	\$ 13,407
Grand Total	\$ 4,276,075	41,174	218	218	\$ 4,276,068

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics |

GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 65

Young Kim

The economic benefits of California's climate policies in-district to date:



\$148 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation and other climate projects



5,589 Jobs

In the local advanced energy economy



\$1.5 Million

Cap and Trade funds allocated to the district



93% of cap and trade funds benefit disadvantaged communities



6,847 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$93 Million Invested

3,179 Projects
27 Megawatts

Transportation



\$1.4 Million in Incentives

1,547 EV Rebates
27 Public EV Stations

Energy Efficiency



\$43.6 Million Invested

2,157 Projects

Other Climate Investment



\$9.14 Million

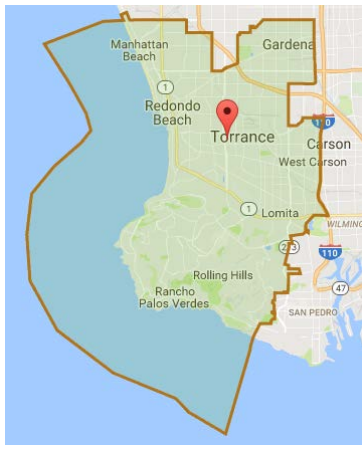
Returned to Ratepayers

In-district Cap and Trade fund distribution:

Project Type	District 65, Young Kim			Sum of # of Projects Benefitting Disadvantaged Communities	Sum of Dollars Benefitting Disadvantaged Communities
	Sum of Total Dollars Implemented	Sum of GHG Reductions Metric Tons CO2e	Sum of Number of Projects		
Clean Vehicle Rebate Project	\$ 1,368,788.00	32,098.00	662	626	1290501
Enhanced Fleet Modernization Program Plus-Up	\$ 12,500.00	32.00	3	3	12500
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 96,591.00	228.00	4	3	72413
Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	\$ 25,250.00	29.00	3	3	25250
Single-Family Solar Photovoltaics (PV)	\$ 21,398.00	-	1	1	21398
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 12,012.00	-	25	25	12012
Grand Total	\$ 1,536,540.00	32,387.00	698	661	\$ 1,434,076.00

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics | GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 66

David Hadley

The economic benefits of California's climate policies in-district to date:



\$231 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation and other climate projects



4,003 Jobs

In the local advanced energy economy



\$3.4 Million

Cap and Trade funds allocated to the district



40%

 of cap and trade funds
benefit disadvantaged communities

16,231

 cars off the road
emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$153 Million Invested

3,563 Projects

35 Megawatts

Transportation



\$6.8 Million Invested

4,114 EV Rebates

58 Public EV Stations

Energy Efficiency



\$57 Million Invested

2,524 Projects

Other Climate Investment



\$14.43 Million

Returned to Ratepayers

In-district Cap and Trade fund distribution:

Project Type	District 66, David Hadley			Sum of # of Projects Benefitting Disadvantaged Communities	Sum of Dollars Benefitting Disadvantaged Communities
	Sum of Total Dollars Implemented	Sum of GHG Reductions Metric Tons CO2e	Sum of Number of Projects		
Clean Vehicle Rebate Project	\$ 3,305,939.00	76,587.00	1577	622	1280825
Enhanced Fleet Modernization Program Plus-Up	\$ 25,000.00	73.00	9	9	25000
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 48,356.00	114.00	2	0	0
Low Carbon Transit Operations Program	\$ 39,556.00	-	1	1	39556
Single-Family Solar Photovoltaics (PV)	\$ 11,328.00	-	1	1	11328
Grand Total	\$ 3,430,179.00	76,774.00	1590	633	\$ 1,356,710.00

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics | GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 67

Melissa Melendez

The economic benefits of California's climate policies in-district to date:



\$473 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation and other climate projects



3,452 Jobs

In the local advanced energy economy



\$0.6 Million

Cap and Trade funds allocated to the district



46% of cap and trade funds

benefit disadvantaged communities



3,368 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$419 Million Invested

15,382 Projects

149 Megawatts

Transportation



\$580,000 Invested

917 EV Rebates

6 Public EV

Energy Efficiency



\$42 Million Invested

2,193 Projects

Other Climate Investment



\$11.7 Million

Returned to Ratepayers

In-district Cap and Trade fund distribution:

		District 67, Melissa Melendez			
Project Type	Sum of Total Dollars Implemented	Sum of GHG Reductions Metric Tons CO2e	Sum of Number of Projects	Sum of # of Projects Benefitting Disadvantaged Communities	Sum of Dollars Benefitting Disadvantaged Communities
Clean Vehicle Rebate Project	\$ 658,195.00	15,917.00	330	152	299,470
Enhanced Fleet Modernization Program Plus-Up	\$ 5,000.00	12.00	1	1	5,000
Grand Total	\$ 663,195.00	15,929.00	331	153	\$ 304,470.00

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics | GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 68

Donald Wagner

The economic benefits of California's climate policies in-district to date:



\$348 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation and other climate projects



12,384 Jobs

In the local advanced energy economy



\$3.4 Million

Cap and Trade funds allocated to the district



58% of cap and trade funds benefit disadvantaged communities



15,943 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$292 Million Invested

6,987 Projects

68 Megawatts

Transportation



\$6.2 Million Invested

3,907 EV Rebates

87 Public EV Stations

Energy Efficiency



\$38 Million Invested

2,534 Projects

Other Climate Investment



\$11 Million

Returned to Ratepayers

In-district Cap and Trade fund distribution:

Project Type	District 68, Donald Wagner			Sum of # of Projects Benefitting Disadvantaged Communities	Sum of Dollars Benefitting Disadvantaged Communities
	Sum of Total Dollars Implemented	Sum of GHG Reductions Metric Tons CO2e	Sum of Number of Projects		
Clean Vehicle Rebate Project	\$ 3,243,053.00	74,958.00	1543	874	1836867
Enhanced Fleet Modernization Program Plus-Up	\$ 13,500.00	44.00	4	4	13500
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 163,869.00	399.00	7	5	115513
Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	\$ 5,250.00	9.00	1	1	5250
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 7,087.00	-	7	7	7087
Grand Total	\$ 3,432,759.00	75,410.00	1562	891	\$ 1,978,217.00

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics | GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 69

Tom Daly

The economic benefits of California's climate policies in-district to date:



\$162 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation and other climate projects



3,615 Jobs

In the local advanced energy economy



\$4.6 Million

Cap and Trade funds allocated to the district



100% of cap and trade funds

benefit disadvantaged communities



8,685 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$110 Million Invested

1,494 Projects

25 Megawatts

Transportation



\$1.8 Million Invested

732 EV Rebates

66 Public EV Stations

Energy Efficiency



\$38 Million Invested

1,592 Projects

Other Climate Investment



\$3.93 Million Invested

7.13 Million

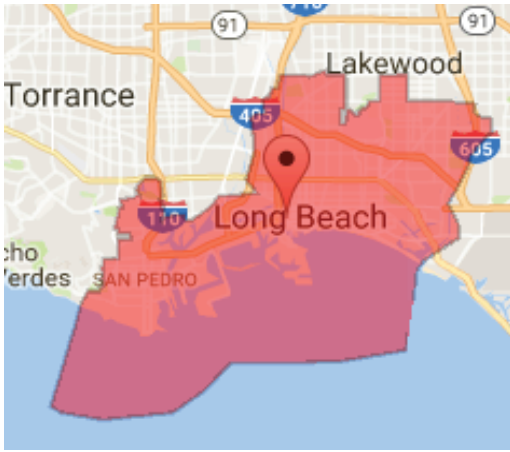
Returned to Ratepayers

In-district Cap and Trade fund distribution:

Project Type	District 69, Tom Daly			Sum of # of Projects Benefitting Disadvantaged Communities	Sum of Dollars Benefitting Disadvantaged Communities
	Sum of Total Dollars Implemented	Sum of GHG Reductions Metric Tons CO2e	Sum of Number of Projects		
Affordable Housing and Sustainable Communities	\$ 3,925,000.00	27,532.00	1	1	3925000
Clean Vehicle Rebate Project	\$ 564,101.00	13,317.00	274	271	557363
Enhanced Fleet Modernization Program Plus-Up	\$ 14,814.00	38.00	3	3	14814
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 72,413.00	171.00	3	3	72413
Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	\$ 20,000.00	20.00	2	2	20000
Single-Family Solar Photovoltaics (PV)	\$ 18,593.00	-	3	3	18593
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 13,531.00	-	23	23	13531
Grand Total	\$ 4,628,453.00	41,078.00	309	306	\$ 4,621,715.00

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics/ | GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



Good for the Economy
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Assembly District 70

Patrick O'Donnell

**The economic benefits of California's climate policies
in-district to date:**



\$207 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation, and other climate projects



5,624 Jobs

in the local advanced energy economy



\$4.2 Million

Cap and Trade funds allocated to the district



83% of cap and trade funds benefit disadvantaged communities



13,773 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$147.6 Million Invested

3,310 Projects
108 Megawatts

Transportation



\$4.4 Million in Incentives

1,820 EV Rebates
73 Public EV Stations

Energy Efficiency



\$40 Million Invested

1,768 Projects

Other Climate Investment



\$2.4 Million Invested

\$12.8 Million
Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 70, O'Donnell, Patrick						
Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities	
Affordable Housing and Sustainable Communities	\$ 2,441,616	28,369	1	1	\$	2,441,616
Clean Vehicle Rebate Project	\$ 1,546,442	36,531	755	426	\$	869,872
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 91,456	228	4	3	\$	67,278
Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	\$ 10,500	19	2	2	\$	10,500
Single-Family Solar Photovoltaics (PV)	\$ 104,589	-	17	17	\$	104,589
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 7,432	-	15	15	\$	7,432
Grand Total	\$ 4,202,035	65,147	794	464	\$	3,501,286

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics |

GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



Good for the Economy
Good for the Environment
Good for Communities



Assembly District 71

Brian Jones

The economic benefits of California's climate policies in-district to date:



\$162 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation and other climate projects



10,687 Jobs

In the local advanced energy economy



\$1.62 Million

Cap and Trade funds allocated to the district



51% of cap and trade funds

benefit disadvantaged communities



4,263 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$686 Million Invested

17,710 Projects

219.78 Megawatts

Transportation



\$606,235 Invested

1,082 EV Rebates

15 Public EV Stations

Energy Efficiency



\$49 Million Invested

3,187 Projects

Other Climate Investment



\$13.9 Million

Returned to Ratepayers

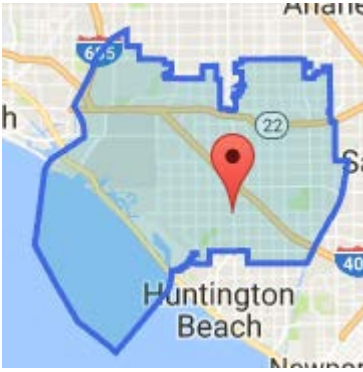
191,024 Projects

In-district Cap and Trade fund distribution:

District 71, Brian Jones					
Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities
Clean Vehicle Rebate Project	\$870,745.00	19,881.00	408	40	\$94,397.59
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$115,634.00	285.00	5	4	\$91,456.00
Low Carbon Transit Operations Program	\$630,000.00	-	1	1	\$630,000.00
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$3,710.25	-	6	6	\$3,710.25
Grand Total	\$1,620,089.25	20,166.00	420	51	\$819,563.83

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics | GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



Good for the Economy
Good for the
Environment *Good for*
Communities



Assembly District 72

Travis Allen

**The economic benefits of California's climate policies
in-district to date:**



\$204 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation and other climate projects



4,024 Jobs

In the local advanced energy economy



\$2.9 Million

Cap and Trade funds allocated to the district



42% of cap and trade funds benefit disadvantaged communities



9,173 cars off the road emission reduction equivalent

As of August 2016

Benefits from all climate policies to date:

Renewable Generation



\$140 Million Invested

4,026 Projects

38 Megawatts

Transportation



\$560,000 in Incentives

1,971 EV Rebates

42 EV Stations

Energy Efficiency



\$48.6 Million Invested

2,567 Projects

Other Climate Investment



\$1.06 Million Invested

\$14 million

returned to ratepayers

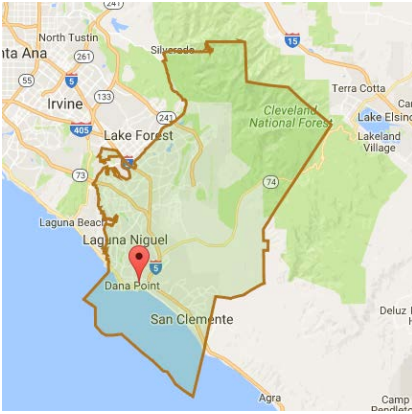
In-district Cap and Trade fund distribution:

72, Travis Allen					
Project Type	Sum of Total Dollars Implemented	Sum of GHG Reductions Metric Tons CO2e	Sum of Number of Projects	Sum of # of Projects Benefitting Disadvantaged Communities	Sum of Dollars Benefitting Disadvantaged Communities
Clean Vehicle Rebate Project	1,669,912	39,297	812	510	\$ 1,055,736
Enhanced Fleet Modernization Program Plus-Up	12,500	34	3	3	\$ 12,500
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	145,068	342	6	6	\$ 145,068
Sacramento-San Joaquin Delta and Coastal Wetlands	1,055,827	3,713	1	0	\$ -
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	11,996	-	28	28	\$ 11,996
Grand Total	2,895,303	43,386	850	547	\$ 1,225,300

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics | GGRF data:

<http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 73

William Brough

The economic benefits of California's climate policies in-district to date:



\$270 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation and other climate projects



5,621 Jobs

in the local advanced energy economy



\$3.9 Million

Cap and Trade funds allocated to the district



0% of cap and trade funds

benefit disadvantaged communities



18,631 cars off the road

emission reduction equivalent

As of August 2016

Benefits from all climate policies to date:

Renewable Generation



\$217 Million Invested

7,754 Projects

60 Megawatts

Transportation



\$5 Million of Incentives

4,124 EV Rebates

11 EV Stations

Energy Efficiency



\$34 Million Invested

1,944 Projects

Other Climate Investment



\$14.7 Million

returned to ratepayers

In-district Cap and Trade fund distribution:

District 73, William Brough					
Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefiting Disadvantaged Communities
Clean Vehicle Rebate Project	\$3,783,449	87,952	1,812	1	\$2,595
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$72,534	171	3	0	\$-
Grand Total	\$3,855,983	88,123	1,815	1	\$2,595

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics | GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 74

Matthew Harper

**The economic benefits of California's climate policies
in-district to date:**



\$354 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation and other climate projects



6,182 Jobs

in the local advanced energy economy



\$3.9 Million

Cap and Trade funds allocated to the district



20% of cap and trade funds benefit disadvantaged communities



18,130 cars off the road emission reduction equivalent

As of August 2016

Benefits from all climate policies to date:

Renewable Generation



\$228 Million Invested

3,649 Projects
83.5 Megawatts

Transportation



\$5.5 Million in Incentives

4,301 EV Rebates
225 EV Stations

Energy Efficiency



\$104 Million Invested

3,055 Projects

Other Climate Investment



\$17.4 Million

returned to ratepayers

In-district Cap and Trade fund distribution:

District 74, Matthew Harper					
Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities
Clean Vehicle Rebate Project	\$3,774,295	85,431	1,752	342	\$714,037
Enhanced Fleet Modernization Program Plus-Up	\$2,500	8	1	1	\$2,500
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$120,890	285	5	1	\$24,178
Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	\$30,000	30	3	3	\$30,000
Grand Total	\$3,927,685	85,754	1,761	347	\$770,715

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics | GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 75

Marie Waldron

The economic benefits of California's climate policies in-district to date:



\$520 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation and other climate projects



9,040 Jobs

in the local advanced energy economy



\$1.7 Million

Cap and Trade funds allocated to the district



28%

 of cap and trade funds
benefit disadvantaged communities

6,662

 cars off the road
emission reduction equivalent

As of August 2016

Benefits from all climate policies to date:

Renewable Generation



**\$446 Million
Invested**

13,957 Projects
120 Megawatts

Transportation



\$3.5 Million in Incentives

1,282 EV Rebates
27 EV Stations

Energy Efficiency



\$57 Million Invested

2,495 Projects

Other Climate Investment



**\$180,000 Invested
\$13.3 Million**

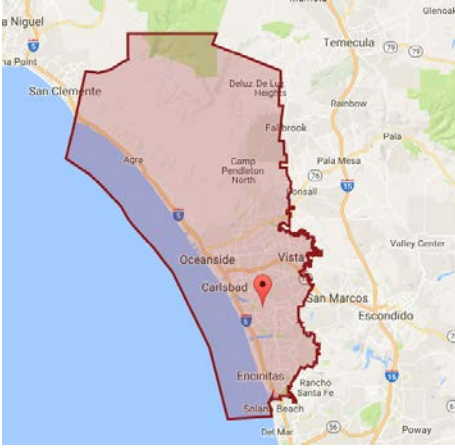
returned to ratepayers

In-district Cap and Trade fund distribution:

District 75, Marie Waldron					
Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities
Clean Vehicle Rebate Project	\$1,338,725	30,275	620	196	\$416,976
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$144,947	342	6	2	\$48,356
Statewide Water Efficiency Enhancement Program	\$184,009	895	3	0	\$-
Grand Total	\$1,667,681	31,512	629	198	\$465,332

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics | GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 76

Rocky Chavez

The economic benefits of California's climate policies in-district to date:



\$303 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation and other climate projects



7,423 Jobs

in the local advanced energy economy



\$2 Million

Cap and Trade funds allocated to the district



11% of cap and trade funds

benefit disadvantaged communities



8,391 cars off the road

emission reduction equivalent

As of August 2016

Benefits from all climate policies to date:

Renewable Generation



\$252 Million Invested

8,352 Projects

65 Megawatts

Transportation



\$2.7 Million in Incentives

1,973 EV Rebates

40 EV Stations

Energy Efficiency



\$34 Million Invested

2,222 Projects

Other Climate Investment



\$14.4 Million

returned to ratepayers

In-district Cap and Trade fund distribution:

District 76, Rocky Chavez					
Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities
Clean Vehicle Rebate Project	\$1,716,647	38,751	793	73	\$166,430
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$144,947	342	6	2	\$48,356
Statewide Water Efficiency Enhancement Program	\$147,844	597	1	0	\$-
Grand Total	\$2,009,438	39,690	800	75	\$214,786

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics | GGRF data:

<http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 77

Brian Maienschein

**The economic benefits of California's climate policies
in-district to date:**



\$640 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation and other climate projects



17,674 Jobs

in the local advanced energy economy



\$3.3 Million

Cap and Trade funds allocated to the district



0% of cap and trade funds benefit disadvantaged communities



14,055 cars off the road

emission reduction equivalent

As of August 2016

Benefits from all climate policies to date:

Renewable Generation



\$582 Million Invested

18,526 Projects
203 Megawatts

Transportation



\$16.6 Million in Incentives

3,880 EV Rebates
64 EV Stations

Energy Efficiency



\$26 Million Invested

3,049 Projects

Other Climate Investment



\$15.3 Million

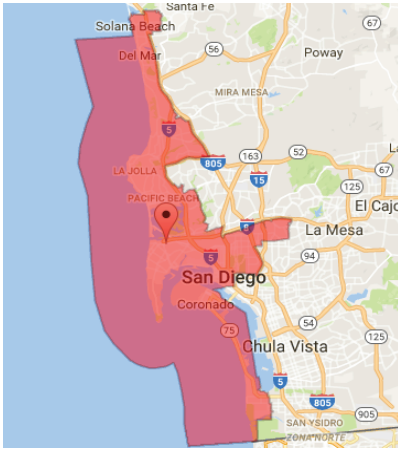
returned to ratepayers

In-district Cap and Trade fund distribution:

District 77, Brian Maienschein					
Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities
Clean Vehicle Rebate Project	\$3,072,436	65,967	1,337	2	\$3,529
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$206,969	513	9	0	\$-
Grand Total	\$3,279,405	66,480	1,346	2	\$3,529

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics | GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 78

Toni Atkins

The economic benefits of California's climate policies in-district to date:



\$390 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation, and other climate projects



12,052 Jobs

in the local advanced energy economy



\$2.8 Million

Cap and Trade funds allocated to the district



23% of cap and trade funds

benefit disadvantaged communities



9,986 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$269 Million Invested

6,960 Projects
74 Megawatts

Transportation



\$2.7 Million in Incentives

2,622 EV Rebates
206 Public EV Stations

Energy Efficiency



\$98 Million Invested

3,262 Projects

Other Climate Investment



\$19.6 Million

Returned to Ratepayers

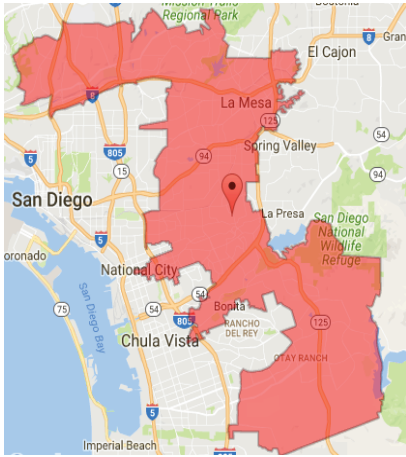
In-district Cap and Trade fund distribution:

District 78, Toni Atkins					
Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities
Clean Vehicle Rebate Project	\$ 2,169,939	46,842	949	68	\$ 163,869
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 178,706	391	6	0	\$ -
Low Carbon Transit Operations Program	\$ 473,141	-	1	1	\$ 473,141
Grand Total	\$ 2,821,786	47,233	956	69	\$ 637,010

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics |

GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 79

Shirley Weber

The economic benefits of California's climate policies in-district to date:



\$320 Million

Documented in-district investment in renewable energy, energy efficiency, transportation, and other climate projects



3,302 Jobs

in the local advanced energy economy



\$903,000

Cap and Trade funds allocated to the district



9%

of cap and trade funds
benefit disadvantaged communities



4,094

cars off the road
emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$287 Million Invested

10,133 Projects
86 Megawatts

Transportation



\$810,000 in Incentives

1,020 EV Rebates
62 Public EV Stations

Energy Efficiency



\$18 Million Invested

2,555 Projects

Other Climate Investment



\$13.8 Million

Returned to Ratepayers

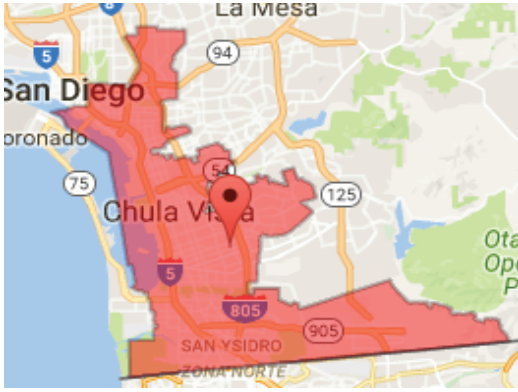
In-district Cap and Trade fund distribution:

District 79, Shirley Weber					
Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities
Clean Vehicle Rebate Project	\$ 868,735	19,307	394	33	\$ 72,004
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 24,178	57	1	0	\$ -
Single-Family Solar Photovoltaics (PV)	\$ 7,586	-	1	1	\$ 7,586
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 2,589	-	3	3	\$ 2,589
Grand Total	\$ 903,088	19,364	399	37	\$ 82,179

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics |

GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>



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Assembly District 80

Lorena Gonzalez

The economic benefits of California's climate policies in-district to date:



\$208 Million

Documented in-district investment in renewable energy,
energy efficiency, transportation, and other climate projects



140 Jobs

in the local advanced energy economy



\$18.6 Million

Cap and Trade funds allocated to the district



100% of cap and trade funds

benefit disadvantaged communities



43,814 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$151 Million Invested

3,889 Projects
39 Megawatts

Transportation



\$2.8 Million in Incentives

397 EV Rebates
35 Public EV Stations

Energy Efficiency



\$26 Million Invested

2,075 Projects

Other Climate Investment



\$16 Million Invested

\$11.5 Million
Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 80, Lorena Gonzalez

Project Type	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities
Affordable Housing and Sustainable Communities	\$ 16,240,888	198,532	2	2	\$ 16,240,888
Car Sharing and Mobility Options Pilot Project	\$ 1,669,343	-	1	1	\$ 1,669,343
Clean Vehicle Rebate Project	\$ 365,960	8,193	167	140	\$ 308,371
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 188,246	513	9	8	\$ 164,068
Single-Family Solar Photovoltaics (PV)	\$ 69,475	-	14	14	\$ 69,475
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 54,192	-	64	64	\$ 54,192
Grand Total	\$ 18,588,104	207,238	257	229	\$ 18,506,337

Sources:

Job data: AEE Advanced Energy jobs in California, 2016 | CO2 Equivalents: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator> | Total Investments: Kevala Analytics |

GGRF data: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm>