



District Economic Facts from Climate Policies

California Assembly Districts
August 2016

Districts 21 - 40



**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](#).

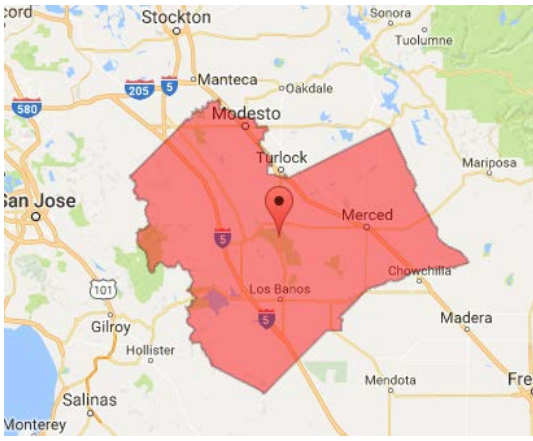


The ARB dataset reports greenhouse gas emission reductions from each project in metric tons of CO2 equivalent. E2 applied an emission equivalent of “number of cars off the road for one year” using the EPA’s [Greenhouse Gas Equivalency Calculator](#).

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 21

Adam Gray

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



\$660 Million

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



3,150 Jobs

In the local advanced energy economy



\$3.2 Million

Cap and Trade funds allocated to the district



73% of cap and trade funds benefit disadvantaged communities



5,726 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$433 Million Invested

3,177 Projects
660 Megawatts

Transportation



\$3.4 Million Incentives

223 EV Rebates 12
Public EV stations

Energy Efficiency



\$45 Million Invested

1,940 Projects

Other Climate Investment



\$173 Million Invested

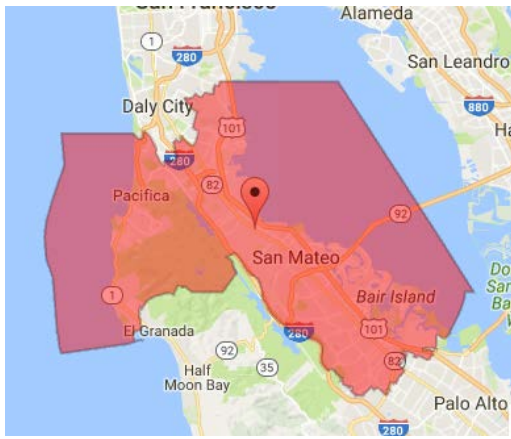
5.01 Million
Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 21, Adam Gray					
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	\$ 169,061	3,891	80	80	\$ 169,059
Enhanced Fleet Modernization Program Plus-Up	\$ 72,500	206	22	22	\$ 72,500
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 169,246	399	7	7	\$ 169,246
Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	\$ 5,250	9	1	1	\$ 5,250
Low Carbon Transit Operations Program	\$ 90,933	-	1	1	\$ 90,933
Single-Family Solar Photovoltaics (PV)	\$ 1,046,596	-	62	62	\$ 1,046,596
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 191,924	-	227	227	\$ 191,924
Statewide Water Efficiency Enhancement Program	\$ 1,433,593	22,579	15	8	\$ 589,220
Grand Total	\$ 3,179,103	27,084	415	408	\$ 2,334,728

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 22

Kevin Mullin

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



\$381 Million

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



8,081 Jobs

in the local advanced energy economy



\$4.5 Million

Cap and Trade funds allocated to the district



0% of cap and trade funds benefit disadvantaged communities



19,707 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$268 Million Invested

4,665 Projects

54 Megawatts

Transportation



\$18.5 Million Incentives

4,153 EV Rebates

360 Public EV Stations

Energy Efficiency



\$83 Million Invested

2,086 Projects

Other Climate Investment



\$12.04 Million

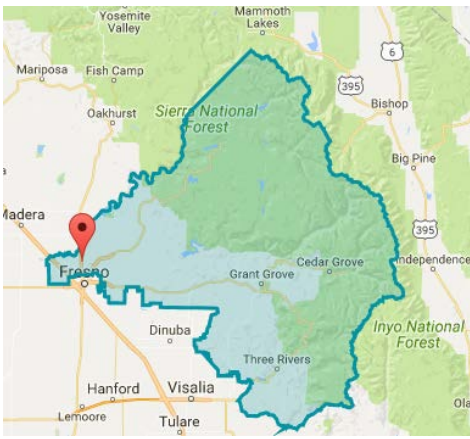
Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 22, Kevin Mullin					
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	\$ 4,341,340.00	92,831.00	1880	0	0
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 226,434.00	383.00	5	0	0
Grand Total	\$ 4,567,774.00	93,214.00	1885	0	\$ -

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 23

Jim Patterson

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



\$546 Million

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



6,561 Jobs

In the local advanced energy economy



\$2.6 Million

Cap and Trade funds allocated to the district



84% of cap and trade funds

benefit disadvantaged communities



6,269 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$498 Million Invested
13,323 Projects
2,779 Megawatts

Transportation



\$1.6 Million Incentives
878 EV Rebates
16 Public EV Stations

Energy Efficiency



\$34 Million Invested
2,790 Projects

Other Climate Investment



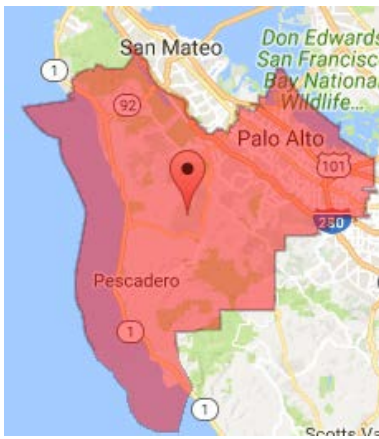
\$230,000 Invested
11.88 Million
Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 23, Jim Patterson					
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	\$ 1,378,507.00	28,089.00	563	466	1139900.859
Enhanced Fleet Modernization Program Plus-Up	\$ 52,500.00	146.00	13	13	52500
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 395,258.00	969.00	17	17	395258
Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	\$ 10,000.00	10.00	1	1	10000
Low Carbon Transit Operations Program	\$ 36,902.00	-	1	1	36902
Single-Family Solar Photovoltaics (PV)	\$ 347,274.00	-	13	13	347274
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 32,353.00	-	30	30	32353
Statewide Water Efficiency Enhancement Program	\$ 320,295.00	437.00	4	1	140140
Grand Total	\$ 2,573,089.00	29,651.00	642	542	\$ 2,154,328.00

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 24

Rich Gordon

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



\$462 Million

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



12,664 Jobs

in the local advanced energy economy



\$7.8 Million

Cap and Trade funds allocated to the district



23% of cap and trade funds

benefit disadvantaged communities



30,125 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$373 Million Invested

7,157 Projects
88.5 Megawatts

Transportation



\$10.9 Million Incentives

7,875 EV Rebates
690 Public EV

Energy Efficiency



\$68.6 Million Invested

1,891 Projects

Other Climate Investment



\$10.06 Million

Returned to Ratepayers

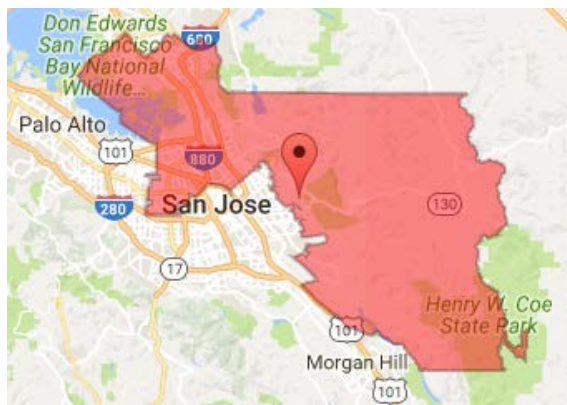
Stations

In-district Cap and Trade fund distribution:

District 24, Rich Gordon					
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	\$ 6,672,861.00	141,152.00	2852	760	1787520.606
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 1,197,208.00	1,337.00	14	0	0
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 981.00	-	2	2	981
Grand Total	\$ 7,871,050.00	142,489.00	2868	762	\$ 1,788,502.00

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 25

Kansen Chu

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



\$466 Million

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



15,137 Jobs

In the local advanced energy economy



\$8.4 Million

Cap and Trade funds allocated to the district



40%

 of cap and trade funds
benefit disadvantaged communities

31,414

 cars off the road
emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$465 Million Invested

6,313 Projects
90.5 Megawatts

Transportation



\$25 Million Incentives

7,298 EV Rebates
475 Public EV stations

Energy Efficiency



\$61 Million Invested

2,067 Projects

Other Climate Investment



\$8.02 Million

Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 25, Kansen Chu					
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	\$ 6,957,636.00	147,985.00	2994	860	1971380
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 288,143.00	603.00	8	7	263965
Low Carbon Transit Operations Program	\$ 1,161,960.00	-	3	3	1161960
Grand Total	\$ 8,407,739.00	148,588.00	3005	870	\$ 3,397,305.00

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 26

Devon Mathis

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



\$1,214 Million

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



5,555 Jobs

In the local advanced energy economy



\$10.9 Million

Cap and Trade funds allocated to the district



83% of cap and trade funds benefit disadvantaged communities



202,533 cars off the road emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$1,081 Million Invested

10,990 Projects
832 Megawatts

Transportation



\$24.7 Million Invested

243 EV Rebates
7 EV Stations

Energy Efficiency



\$88 Million Invested

3,184 Projects

Other Climate Investment



\$9.6 Million Invested

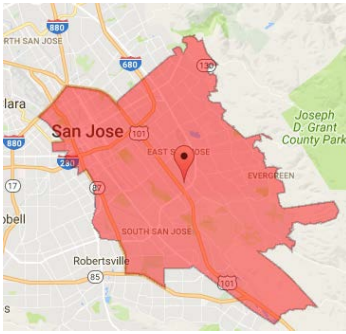
\$11.1 Million
Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 26, Devon Mathis					
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	\$144,902.00	3,205.00	65	61	136612
Dairy Digester Research and Development	\$3,000,000.00	183,700.00	1	1	3000000
Enhanced Fleet Modernization Program Plus-Up	\$45,000.00	127.00	13	13	45000
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$177,535.00	456.00	8	8	177535
Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	\$15,750.00	27.00	3	3	15750
Mountain Meadow Ecosystems	\$921,766.00	2,019.00	1	0	0
Organics and Recycling Project Loans	\$890,000.00	101,430.00	1	0	0
Organics Composting/Digestion Grants	\$2,925,920.00	651,451.00	1	1	2925920
Single-Family Solar Photovoltaics (PV)	\$946,413.00	-	133	133	946413
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$192,746.00	-	143	143	192746
Statewide Water Efficiency Enhancement Program	\$1,644,294.00	15,565.00	20	19	1594294
Grand Total	\$10,904,327.00	957,980.00	389	382	\$9,034,272.00

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 27

Nora Campos

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



\$324 Million

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



2,612 Jobs

In the local advanced energy economy



\$6.8 Million

Cap and Trade funds allocated to the district



11% of cap and trade funds

benefit disadvantaged communities



15,185 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$217 Million Invested

3,597 Projects

47 Megawatts

Transportation



\$2.06 Million Incentives

2,258 EV Rebates

100 Public EV Stations

Energy Efficiency



\$92 Million Invested

1,280 Projects

Other Climate Investment



\$4.1 Million Invested

8.68 Million
Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 27, Nora Campos					
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
Affordable Housing and Sustainable Communities	\$ 4,000,000.00	12,070.00	1	0	0
Clean Vehicle Rebate Project	\$ 2,703,452.00	59,756.00	1218	346	765988
Sustainable Agricultural Lands Conservation	\$ 100,000.00	-	1	0	0
Grand Total	\$ 6,803,452.00	71,826.00	1220	346	\$ 765,988.00

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 28

Evan Low

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



\$265 Million

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



4,577 Jobs

In the local advanced energy economy



\$8.1 Million

Cap and Trade funds allocated to the district



12% of cap and trade funds

benefit disadvantaged communities



36,945 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$264 Million Invested

7,235 Projects

59 Megawatts

Transportation



\$8.6 Million Incentives

7,328 EV Rebates

143 Public EV Stations

Energy Efficiency



\$46 Million Invested

1,688 Projects

Other Climate Investment



\$11.71 Million

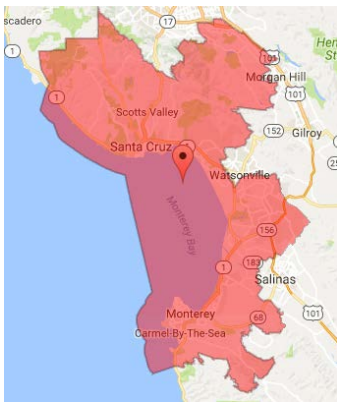
Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 28, Evan Low					
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	\$ 7,971,885	174,463	3,550	429	\$ 936,289
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 120,890	285	5	-	\$ -
Grand Total	\$ 8,092,775	174,748	3,555	429	\$ 936,289

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 29

Mark Stone

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



\$362 Million

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



5,371 Jobs

In the local advanced energy economy



\$7.4 Million

Cap and Trade funds allocated to the district



45% of cap and trade funds

benefit disadvantaged communities



21,767 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$362 Million Invested

10,183 Projects

88 Megawatts

Transportation



\$3.9 Million Invested

4,191 EV Rebates

63 Public EV Stations

Energy Efficiency



\$52 Million Invested

2,560 Projects

Other Climate Investment



\$3.68 Million Invested

12.13 Million

Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 29, Mark Stone					
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	\$ 3,418,760.00	77,022.00	1575	148	302948
Forest Health Program	\$ 518,797.00	12,213.00	1	0	0
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 303,798.00	456.00	8	0	0
Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	\$ 10,000.00	10.00	1	1	10000
Sacramento-San Joaquin Delta and Coastal Wetlands	\$ 2,996,768.00	13,056.00	1	1	2996768
Single-Family Solar Photovoltaics (PV)	\$ 9,528.00	-	2	2	9528
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 1,403.00	-	5	5	1403
Statewide Water Efficiency Enhancement Program	\$ 71,444.00	200.00	4	3	31278
Sustainable Agricultural Lands Conservation	\$ 99,095.00	-	1	0	0
Grand Total	\$ 7,429,593.00	102,957.00	1598	160	\$ 3,351,926.00

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 30

Luis Alejo

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



\$382 Million

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



1,870 Jobs

in the local advanced energy economy



\$4.2 Million

Cap and Trade funds allocated to the district



50% of cap and trade funds

benefit disadvantaged communities



100,967 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$302 Million Invested

6,875 Projects

79 Megawatts

Transportation



\$1 Million Incentives

880 EV Rebates

24 EV Stations

Energy Efficiency



\$68 Million Invested

1,774 Projects

Other Climate Investment



\$1.76 Million Invested

\$9 Million

Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 30, Luis Alejo					
	Total Dollars Implemented	GHG Reductions Metric Tons CO2e	Number of Projects	# of Projects Benefitting Disadvantaged Communities	Dollars Benefitting Disadvantaged Communities
Clean Vehicle Rebate Project	\$1,090,201	26,795	557	522	\$1,011,924
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$72,534	171	3	3	\$72,534
Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	\$40,558	70	7	7	\$40,558
Low Carbon Transit Operations Program	\$383,045	-	3	3	\$383,045
Single-Family Solar Photovoltaics (PV)	\$14,788	-	2	2	\$14,788
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$6,567	-	12	12	\$6,567
Statewide Water Efficiency Enhancement Program	\$2,221,360	449,224	23	2	\$185,613
Sustainable Agricultural Lands Conservation	\$392,000	1,316	1	1	\$392,000
Grand Total	\$4,221,052	477,576	608	552	\$2,107,028

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 31

Joaquin Arambula

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



\$1.2 Billion

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



2,335 Jobs

In the local advanced energy economy



\$15.7 Million

Cap and Trade funds allocated to the district



99% of cap and trade funds benefit disadvantaged communities



92,528 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$1.06 Billion Invested

4,907 Projects
396 Megawatts

Transportation



\$14.5 Million in Incentives

199 EV Rebates
5 EV Stations

Energy Efficiency



\$101 Million Invested

2,957 Projects

Other Climate Investment



\$16 Million Invested

\$9.5 Million
Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 31, Joaquin Arambula						
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	\$ 7,800,000	27,569	2	2	\$	7,800,000
Clean Vehicle Rebate Project	\$ 317,310	6,394	128	128	\$	317,312
Dairy Digester Research and Development	\$ 973,430	258,911	1	1	\$	973,430
Enhanced Fleet Modernization Program Plus-Up	\$ 45,000	131	14	14	\$	45,000
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 550,596	1,417	24	24	\$	550,596
Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	\$ 41,000	58	6	6	\$	41,000
Low Carbon Transit Operations Program	\$ 319,071	-	2	2	\$	319,071
Organics Composting/Digestion Grants	\$ 3,000,000	137,200	1	1	\$	3,000,000
Single-Family Solar Photovoltaics (PV)	\$ 444,630	-	32	32	\$	444,630
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 60,478	-	74	74	\$	60,478
Statewide Water Efficiency Enhancement Program	\$ 2,197,457	5,977	24	23	\$	2,047,457
Grand Total	\$ 15,748,972	437,657	308	307	\$	15,598,974

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 32

Rudy Salas

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



\$1.49 Billion

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



3,871 Jobs

In the local advanced energy economy



\$7.1 Million

Cap and Trade funds allocated to the district



99% of cap and trade funds

benefit disadvantaged communities



149,537

cars off the road
emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$1.4 Billion Invested

6,494 Projects

605 Megawatts

Transportation



\$2.2 Million in Incentives

151 EV Rebates

3 EV Stations

Energy Efficiency



\$83 Million Invested

2,252 Projects

Other Climate Investment



\$5.62 Million Invested

\$8.51 Million

Returned to Ratepayers

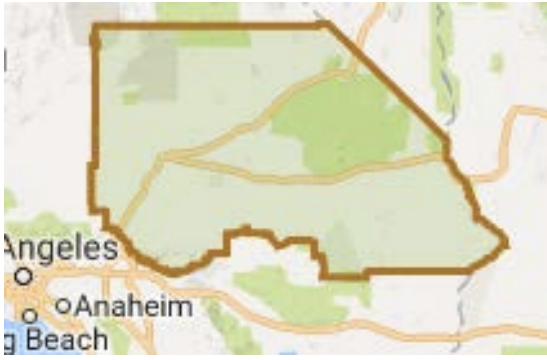
In-district Cap and Trade fund distribution:

District 32, Salas Rudy					
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	\$ 126,003	2,791	57	57	\$ 125,998
Dairy Digester Research and Development	\$ 4,837,005	694,500	2	2	\$ 4,837,005
Enhanced Fleet Modernization Program Plus-Up	\$ 45,000	121	12	12	\$ 45,000
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 96,712	228	4	4	\$ 96,712
Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	\$ 15,750	28	3	3	\$ 15,750
Low Carbon Transit Operations Program	\$ 84,561	-	4	4	\$ 84,561
Single-Family Solar Photovoltaics (PV)	\$ 96,268	-	14	14	\$ 96,268
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 74,576	-	115	115	\$ 74,576
Statewide Water Efficiency Enhancement Program	\$ 1,750,547	9,640	20	19	\$ 1,703,264
Grand Total	\$ 7,126,421	707,308	231	230	\$ 7,079,133

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 33

Jay Obernolte

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



\$2.3 Billion

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



6,028 Jobs

in the local advanced energy economy



\$3.7 Million

Cap and Trade funds allocated to the district



76% of cap and trade funds benefit disadvantaged communities



117,814 cars off the road emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$2 Billion Invested

8,315 Projects

1,459 Megawatts

Transportation



\$300,000 Invested

202 EV Rebates

6 Public EV Stations

Energy Efficiency



\$52 Million Invested

2,015 Projects

Other Climate Investment



\$176 Million Invested

\$11.55 Million

Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 33, Jay Obernolte					
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	\$185,454.00	4409	91	73	\$146,112.84
Low Carbon Transit Operations Program	\$7,478.00	-	1	1	\$7,478.00
Organics and Recycling Project Loans	\$850,000.00	368550	1	0	\$-
Organics Composting/Digestion Grants	\$2,595,080.00	184300	1	1	\$2,595,080.00
Single-Family Solar Photovoltaics (PV)	\$69,343.75	-	10	10	\$69,343.75
Grand Total	\$3,707,355.75	557259	104	85	\$2,818,014.59

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 34

Shannon Grove

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



\$3.8 Billion

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



3,219 Jobs

In the local advanced energy economy



\$3.3 Million

Cap and Trade funds allocated to the district



96% of cap and trade funds

benefit disadvantaged communities



6,253 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$3.7 Billion Invested

9,596 Projects

2,266 Megawatts

Transportation



\$14,815,496 Invested

370 EV Rebates

10 Public EV Stations

Energy Efficiency



\$91 Million Invested

2,166 Projects

Other Climate Investment



\$2.6 Million Invested

\$11.78 Million

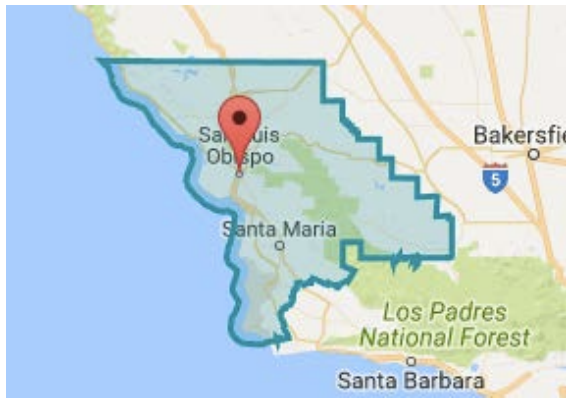
Returned to Ratepayers

In-district Cap and Trade fund distribution:

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	\$ 2,559,394.00	17058	1	1	\$ 2,559,394.00
Clean Vehicle Rebate Project	\$ 483,930.00	10692	218	210	\$ 468,360.48
Enhanced Fleet Modernization Program Plus-Up	\$ 27,500.00	74	6	6	\$ 27,500.00
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 145,068.00	342	6	6	\$ 145,068.00
Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities	\$ 10,000.00	10	1	1	\$ 10,000.00
Low Carbon Transit Operations Program	\$ 4,913.00	-	1	0	\$ -
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 27,139.85	-	47	47	\$ 27,139.85
Statewide Water Efficiency Enhancement Program	\$ 129,816.00	1402	3	0	\$ -
Grand Total	\$ 3,387,760.85	29578	283	271	\$ 3,237,462.33

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 35

Katcho Achadjian

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



\$1.9 Billion

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



7,423 Jobs

in the local advanced energy economy



\$3.8 Million

Cap and Trade funds allocated to the district



7% of cap and trade funds

benefit disadvantaged communities



5,673 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$2 Billion Invested
8,855 Projects
908.35 Megawatts

Transportation



\$2.4 Million in Incentives
661 EV Rebates

Energy Efficiency



\$100 Million Invested
2,656 Projects

Other Climate Investment



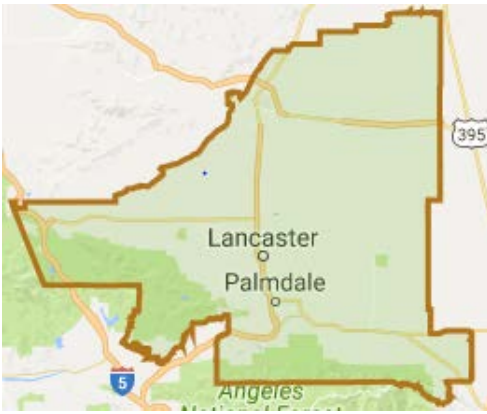
\$1.89 Million
\$10.78 Million
Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 35, Katcho Achadjian					
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	\$ 636,782	14,304	292	25	\$ 52,345
Forest Health Program	\$ 498,736	5,235	1	-	\$ -
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 48,356	114	2	-	\$ -
Low Carbon Transit Operations Program	\$ 177,104	-	2	1	\$ 79,756
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 148	-	1	1	\$ 148
Statewide Water Efficiency Enhancement Program	\$ 2,431,594	7,181	32	1	\$ 150,000
Grand Total	\$ 3,792,720	26,834	330	28	\$ 282,249

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 36

Tom Lackey

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



\$5.2 Billion

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



4,969 Jobs

In the local advanced energy economy



\$1.1 Million

Cap and Trade funds allocated to the district



18% of cap and trade funds

benefit disadvantaged communities



5,335 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$5.1 Billion Invested

9,596 Projects

2,872 Megawatts

Transportation



\$1.9 Million Invested

724 EV Rebates

22 EV Stations

Energy Efficiency



\$49 Million Invested

1,970 Projects

Other Climate Investment



\$50,000 Invested

\$12.3 million

returned to ratepayers

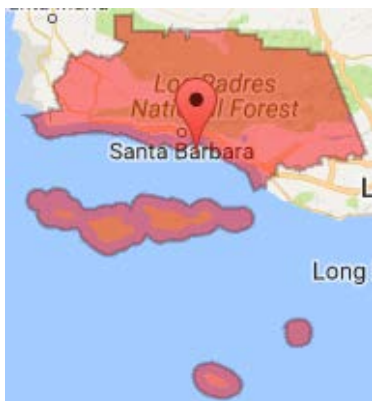
In-district Cap and Trade fund distribution:

36, Tom Lackey					
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	\$ 601,297	14,732	306	97	\$ 195,328
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 115,632	212	2	0	\$ -
Low Carbon Transit Operations Program	\$ 45,127	-	2	0	\$ -
Statewide Water Efficiency Enhancement Program	\$ 350,000	10,292	3	0	\$ -
Grand Total	\$ 1,112,056	25,236	313	97	\$ 195,328

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 37

Das Williams

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



\$377 Million

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



11,394 Jobs

in the local advanced energy economy



\$2.9 Million

Cap and Trade funds allocated to the district



10% of cap and trade funds

benefit disadvantaged communities



7,165 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of climate projects to date:

Renewable Generation



\$297 Million Invested

7,381 Projects
68.97 Megawatts

Transportation



\$3.7 Million Incentives

1,742 EV Rebates
83 EV Stations

Energy Efficiency



\$61 Million Invested

3,400 Projects

Other Climate Investment



\$1.1 Million Invested

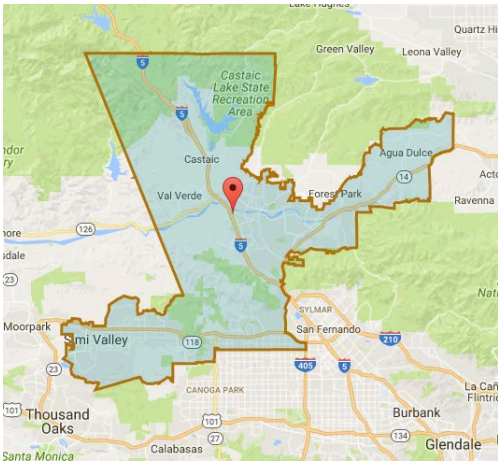
\$14 million
returned to ratepayers

In-district Cap and Trade fund distribution:

37, Das Williams					
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	\$ 1,388,491	31,322.00	641	138	\$ 291,453
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 216,483	513.00	9	0	\$ -
Low Carbon Transit Operations Program	\$ 111,679	-	2	0	\$ -
Sacramento-San Joaquin Delta and Coastal Wetlands	\$ 999,989	2,015.00	1	0	\$ -
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 146	-	1	1	\$ 146
Statewide Water Efficiency Enhancement Program	\$ 158,612	41.00	2	0	\$ -
Grand Total	\$ 2,875,400	33,891.00	656	139	\$ 291,598

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 38

Scott Wilk

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



\$294 Million

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



8,216 Jobs

in the local advanced energy economy



\$2.4 Million

Cap and Trade funds allocated to the district



44%

 of cap and trade funds
benefit disadvantaged communities

11,931

 cars off the road
emission reduction equivalent

As of August 2016

Breakdown of benefits from all climate policies to date:

Renewable Generation



\$236 Million Invested

9,816 Projects

1,746 Megawatts

Transportation



\$700,000 Invested

2,805 EV Rebates

10 EV Stations

Energy Efficiency



\$48 Million Invested

1,476 Projects

Other Climate Investment



\$10 Million

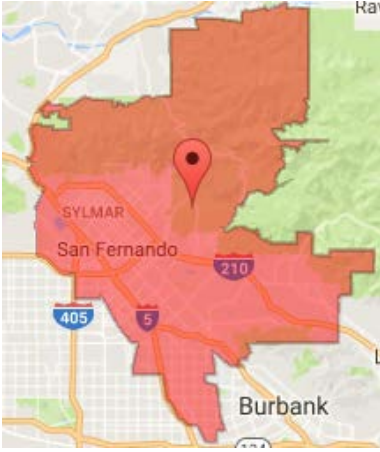
Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 38, Scott Wilk					
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	\$2,285,466	56,238	1,170	533	1,039,332
Enhanced Fleet Modernization Program					
Plus-Up	\$10,000	26	2	2	10,000
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$72,534	171	3	-	-
Grand Total	\$2,368,000	56,435	1,175	535	\$1,049,332

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 39

Patty Lopez

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



\$63 Million

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



5,265 Jobs

in the local advanced energy economy



\$3.5 Million

Cap and Trade funds allocated to the district



97% of cap and trade funds benefit disadvantaged communities



8,617 cars off the road

emission reduction equivalent

As of August 2016

Benefits from all climate policies to date:

Renewable Generation



\$37.4 Million Invested

3,970 Projects
72.7 Megawatts

Transportation



\$12 Million in Incentives

961 EV Rebates
14 EV Stations

Energy Efficiency



\$10.5 Million Invested

490 Projects

Other Climate Investment



\$2.5 Million Invested

\$610,000
returned to ratepayers

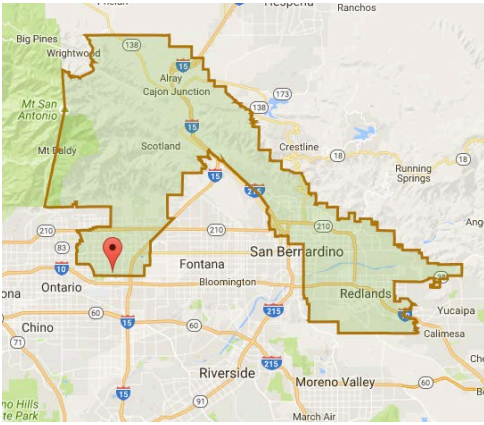
In-district Cap and Trade fund distribution:

39, Patty Lopez					
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
Affordable Housing and Sustainable Communities	\$ 2,500,000	23,000	1	1	\$ 2,500,000
Clean Vehicle Rebate Project	\$ 733,540	17,512	362	315	\$ 635,211
Enhanced Fleet Modernization Program Plus-Up	\$ 5,500	19	2	2	\$ 5,500
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$ 96,712	228	4	4	\$ 96,712
Single-Family Solar Photovoltaics (PV)	\$ 195,961	-	10	10	\$ 195,961
Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating	\$ 486	-	6	6	\$ 486
Grand Total	\$ 3,532,200	40,759	385	338	\$ 3,433,871

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 40

Marc Steinorth

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



\$456 Million

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



5,184 Jobs

in the local advanced energy economy



\$824,500

Cap and Trade funds allocated to the district



91% of cap and trade funds benefit disadvantaged communities



3,432 cars off the road

emission reduction equivalent

As of August 2016

Breakdown of all climate projects to date:

Renewable Generation



\$385 Million Invested
6,133 Projects
380 Megawatts

Transportation



\$2.6 Million in Incentives
699 EV Rebates
12 EV Stations

Energy Efficiency



\$56 Million Invested
2,296 Projects

Other Climate Investment



\$12.9 Million
Returned to Ratepayers

In-district Cap and Trade fund distribution:

District 40, Marc Steinorth					
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	\$666,105	16,113	334	293	\$592,977
Enhanced Fleet Modernization Program Plus-Up	\$2,500	8	1	1	\$2,500
Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	\$48,356	114	2	2	\$48,356
Single-Family Solar Photovoltaics (PV)	\$81,944	-	14	14	\$81,944
Single-Family/Small Multi- Family Energy Efficiency and Solar Water Heating	\$25,678	-	12	12	\$25,678
Grand Total	\$824,583	16,235	363	322	\$751,455

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>