District Economic Facts
from Climate Policies

California Assembly Districts
August 2016

Districts 1 - 20

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](http://www.caee.org) 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](http://www.epa.gov/energy/ggecalc).

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

- **$541 Million**: Documented in-district investment in renewable energy, energy efficiency, transportation, and other climate projects.
- **13,137 Jobs**: In the local advanced energy economy.
- **$16.7 Million**: Cap and Trade funds allocated to the district.
- **0%**: of cap and trade funds benefit disadvantaged communities.
- **266,879 cars off the road**: Emission reduction equivalent.

As of August 2016.
Breakdown of benefits from all climate policies to date:

### Renewable Generation
- $429 Million Invested
- 4,701 Installations
- 4,699 Megawatts

### Transportation
- $5 Million Incentives
- 291 EV Rebates
- 27 EV Stations

### Energy Efficiency
- $66.1 Million Invested
- 1,399 Installations

### Other Climate Investment
- $21 Million Invested
- $19.2 million returned to ratepayers

In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Sum of Total Dollars Implemented</th>
<th>Sum of GHG Reductions Metric Tons CO2e</th>
<th>Sum of Number of Projects</th>
<th>Benefitting Disadvantaged Communities</th>
<th>Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affordable Housing and Sustainable Communities</td>
<td>$8,000,000</td>
<td>20,079</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$328,301</td>
<td>7,680</td>
<td>158</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Forest Health Program</td>
<td>$1,485,714</td>
<td>1,060,478</td>
<td>15</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Forest Legacy Program</td>
<td>$225,000</td>
<td>72,566</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$52,560</td>
<td>57</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$171,281</td>
<td>-</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Mountain Meadow Ecosystems</td>
<td>$3,904,253</td>
<td>61,348</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Sustainable Agricultural Lands Conservation</td>
<td>$2,552,500</td>
<td>40,129</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$16,719,609</strong></td>
<td><strong>1,262,337</strong></td>
<td><strong>189</strong></td>
<td><strong>0</strong></td>
<td><strong>0</strong></td>
</tr>
</tbody>
</table>

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

$420.2 Million
Documented in-district investment in renewable energy, energy efficiency, transportation, and other climate projects

9,429 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

59,804 cars off the road
emission reduction equivalent

As of August 2016
### Breakdown of benefits from all climate policies to date:

**Renewable Generation**
- **$354 Million Invested**
- 6,912 Projects
- 1,224 Megawatts

**Transportation**
- **$3.7 Million incentives**
- 1,551 EV Rebates
- 41 EV Stations

**Energy Efficiency**
- **$45 Million Invested**
- 2,818 Projects

**Other Climate Investment**
- **$1.7 Million Invested**
- $15.53 million returned to ratepayers

### In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Sum of Total Dollars Implemented</th>
<th>Sum of GHG Reductions Metric Tons CO2e</th>
<th>Sum of # of Projects Benefitting Disadvantaged Communities</th>
<th>Sum of Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$1,433,345.00</td>
<td>33,259.00</td>
<td>684</td>
<td>0</td>
</tr>
<tr>
<td>Forest Health Program</td>
<td>$695,131.00</td>
<td>10,379.00</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Forest Legacy Program</td>
<td>$950,000.00</td>
<td>239,122.00</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$48,356.00</td>
<td>114.00</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$35,760.00</td>
<td>-</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Sustainable Agricultural Lands Conservation</td>
<td>$93,400.00</td>
<td>-</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Grand Total</td>
<td>$3,255,992.00</td>
<td>282,874.00</td>
<td>693</td>
<td>0</td>
</tr>
</tbody>
</table>

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 3
James Gallagher

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

$601.7 Million
Documented in-district investment in renewable energy, energy efficiency, transportation, and other climate projects

4,991 Jobs
In the local advanced energy economy

$7.5 Million
Cap and Trade funds allocated to the district

6% of cap and trade funds benefit disadvantaged communities

5,951 cars off the road
emission reduction equivalent

As of August 2016
Breakdown of benefits from all climate policies to date:

**Renewable Generation**

- **$475 Million Invested**
  - 8,438 Projects
  - 659 Megawatts

**Transportation**

- **$7.4 Million Incentives**
  - 178 EV Rebates
  - 9 EV Stations

**Energy Efficiency**

- **$100.6 Million Invested**
  - 447 Projects

**Other Climate Investment**

- **$2.53 Million Invested**
  - $12.35 million returned to ratepayers

In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Sum of Total Dollars Implemented</th>
<th>Sum of GHG Reductions Metric Tons CO2e</th>
<th>Sum of Number of Projects</th>
<th>Sum of # of Projects Benefitting Disadvantaged Communities</th>
<th>Sum of Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$ 169,487</td>
<td>4,018</td>
<td>83</td>
<td>19 $</td>
<td>37,834.40</td>
</tr>
<tr>
<td>Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities</td>
<td>$ 20,000</td>
<td>20</td>
<td>2</td>
<td>2 $</td>
<td>20,000.00</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$ 81,067</td>
<td>-</td>
<td>2</td>
<td>2 $</td>
<td>81,067.00</td>
</tr>
<tr>
<td>Mountain Meadow Ecosystems</td>
<td>$ 539,672</td>
<td>194</td>
<td>1</td>
<td>0 $</td>
<td>-</td>
</tr>
<tr>
<td>Single-Family Solar Photovoltaics (PV)</td>
<td>$ 43,516</td>
<td>-</td>
<td>4</td>
<td>4 $</td>
<td>43,516.25</td>
</tr>
<tr>
<td>Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating</td>
<td>$ 53</td>
<td>-</td>
<td>1</td>
<td>1 $</td>
<td>53.29</td>
</tr>
<tr>
<td>Statewide Water Efficiency Enhancement Program</td>
<td>$ 3,060,659</td>
<td>23,915</td>
<td>54</td>
<td>4 $</td>
<td>267,496.00</td>
</tr>
<tr>
<td>Sustainable Agricultural Lands Conservation</td>
<td>$ 100,000</td>
<td>-</td>
<td>1</td>
<td>0 $</td>
<td>-</td>
</tr>
<tr>
<td>Water Energy - Turbines</td>
<td>$ 3,500,000</td>
<td>-</td>
<td>2</td>
<td>0 $</td>
<td>-</td>
</tr>
<tr>
<td>Grand Total</td>
<td>$ 7,514,455</td>
<td>28,147</td>
<td>150</td>
<td>32 $</td>
<td>449,966.94</td>
</tr>
</tbody>
</table>

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

$885 Million
Documented in-district investment in renewable energy, energy efficiency, transportation, and other climate projects

10,247 Jobs
in the local advanced energy economy

$5.5 Million
Cap and Trade funds allocated to the district

5% of cap and trade funds benefit disadvantaged communities

23,151 cars off the road
emission reduction equivalent
Breakdown of all climate projects to date:

- **Renewable**
  - $767 Million Invested
  - 12,482 Projects

- **Transportation**
  - $8.6 Million Incentives
  - 1,409 EV Rebates
  - 54 Public EV

- **Energy Efficiency**
  - $93.8 Million Invested
  - 3,575 Projects

- **Other Climate**
  - $12.5 Million Returned to Ratepayers
  - 239,561 Projects

In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Total Dollars Implemented</th>
<th>GHG Reductions Metric Tons CO2e</th>
<th>Number of Projects</th>
<th># of Projects Benefiting Disadvantaged Communities</th>
<th>Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$1,332,255</td>
<td>29,981</td>
<td>615</td>
<td>115</td>
<td>$259,704</td>
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<tr>
<td>Forest Legacy Program</td>
<td>$2,850,000</td>
<td>75,805</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$24,178</td>
<td>57</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities</td>
<td>$5,250</td>
<td>9</td>
<td>1</td>
<td>1</td>
<td>$5,250</td>
</tr>
<tr>
<td>Low Carbon Transit Operations</td>
<td>$30,977</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Single-Family Solar Photovoltaics (PV)</td>
<td>$5,145</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>$5,145</td>
</tr>
<tr>
<td>Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating</td>
<td>$537</td>
<td>-</td>
<td>3</td>
<td>3</td>
<td>$537</td>
</tr>
<tr>
<td>Statewide Water Efficiency Enhancement Program</td>
<td>$803,050</td>
<td>1,692</td>
<td>15</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sustainable Agricultural Lands Conservation</td>
<td>$504,000</td>
<td>1,965</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Grand Total</td>
<td>$5,555,392</td>
<td>109,505</td>
<td>635</td>
<td>120</td>
<td>$270,636</td>
</tr>
</tbody>
</table>

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

- **$624 Million**
  - Documented in-district investment in renewable energy, energy efficiency, transportation, and other climate projects

- **8,554 Jobs**
  - In the local advanced energy economy

- **$9.3 Million**
  - Cap and Trade funds allocated to the district

- **33%**
  - Of cap and trade funds benefit disadvantaged communities

- **127,212 cars**
  - Off the road (emission reduction equivalent)
### Breakdown of benefits from all climate policies to date:

**Renewable Generation**
- **$344 Million Invested**
- 7,714 Projects
- 3,120 Megawatts

**Transportation**
- **$3.8 Million Incentives**
- 452 EV Rebates
- 4 EV Stations

**Energy Efficiency**
- **$78.3 Million Invested**
- 3,223 Projects

**Other Climate Investment**
- **$183.39 Million Invested**
- $14.62 Million returned to ratepayers

### In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Sum of Total Dollars Implemented</th>
<th>Sum of GHG Reductions Metric Tons CO2e</th>
<th>Sum of Number of Projects</th>
<th>Sum of # of Projects Benefitting Disadvantaged Communities</th>
<th>Sum of Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$473,651</td>
<td>10,659</td>
<td>218</td>
<td>58</td>
<td>$138,998</td>
</tr>
<tr>
<td>Dairy Digester Research and Development</td>
<td>$2,281,091</td>
<td>240,000</td>
<td>1</td>
<td>1</td>
<td>$2,281,091</td>
</tr>
<tr>
<td>Enhanced Fleet Modernization Program Plus-Up</td>
<td>$17,500</td>
<td>53</td>
<td>6</td>
<td>6</td>
<td>$17,500</td>
</tr>
<tr>
<td>Forest Health Program</td>
<td>$3,713,645</td>
<td>301,468</td>
<td>8</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$72,534</td>
<td>171</td>
<td>3</td>
<td>3</td>
<td>$72,534</td>
</tr>
<tr>
<td>Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities</td>
<td>$10,000</td>
<td>10</td>
<td>1</td>
<td>1</td>
<td>$10,000</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$64,695</td>
<td>-</td>
<td>2</td>
<td>1</td>
<td>$50,146</td>
</tr>
<tr>
<td>Mountain Meadow Ecosystems</td>
<td>$1,081,539</td>
<td>3,682</td>
<td>2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating</td>
<td>$16,852</td>
<td>-</td>
<td>34</td>
<td>34</td>
<td>$16,852</td>
</tr>
<tr>
<td>Statewide Water Efficiency Enhancement Program</td>
<td>$83,988</td>
<td>33</td>
<td>1</td>
<td>1</td>
<td>$83,988</td>
</tr>
<tr>
<td>Sustainable Agricultural Lands Conservation</td>
<td>$1,017,500</td>
<td>45,637</td>
<td>2</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$9,258,312</strong></td>
<td><strong>601,713</strong></td>
<td><strong>308</strong></td>
<td><strong>135</strong></td>
<td><strong>$3,096,426</strong></td>
</tr>
</tbody>
</table>

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

- **$461 Million**: Documented in-district investment in renewable energy, energy efficiency, transportation and other climate projects.
- **9,891 Jobs**: In the local advanced energy economy.
- **$1.98 Million**: Cap and Trade funds allocated to the district.
- **0%** of cap and trade funds benefit disadvantaged communities.
- **8,989 cars off the road**: Emission reduction equivalent.

As of August 2016
Breakdown of benefits from all climate policies to date:

### Renewable Generation
- **$427 Million Invested**
- 13,143 Projects
- 375.7 Megawatts

### Transportation
- **2,012 EV Rebates**
- 61 EV Stations

### Energy Efficiency
- **$28.6 Million Invested**
- 1,199 Projects

### Other Climate Investment
- **$50,000 Invested**
- $5.19 million returned to ratepayers

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Sum of Total Dollars Implemented</th>
<th>Sum of GHG Reductions Metric Tons CO2e</th>
<th>Sum of Number of Projects</th>
<th>Sum of # of Projects Benefitting Disadvantaged Communities</th>
<th>Sum of Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$1,912,136</td>
<td>42,518</td>
<td>868</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$67,699</td>
<td>-</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Grand Total</td>
<td>$1,979,835</td>
<td>42,518</td>
<td>871</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Sources:
- Job data: AEE Advanced Energy jobs in California, 2016
- CO2 Equivalents: [EPA Greenhouse Gas Equivalencies Calculator](https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator)
- Total Investments: Kevala Analytics
- GGRF data: [ARB auction proceeds](http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm)
The economic benefits of California’s climate policies in-district to date:

- **$143 Million**: Documented in-district investment in renewable energy, energy efficiency, transportation and other climate projects.
- **14,532 Jobs**: in the local advanced energy economy.
- **$8.3 Million**: Cap and Trade funds allocated to the district.
- **98%**: of cap and trade funds benefit disadvantaged communities.
- **10,182 cars off the road**: emission reduction equivalent.
Breakdown of benefits from all climate policies to date:

<table>
<thead>
<tr>
<th>Renewable Generation</th>
<th>Transportation</th>
<th>Energy Efficiency</th>
<th>Other Climate Investment</th>
</tr>
</thead>
<tbody>
<tr>
<td>$88.6 Million Invested</td>
<td>$20.6 Million Incentives</td>
<td>$26.3 Million Invested</td>
<td>$6.73 Million Invested</td>
</tr>
<tr>
<td>1,058 Installations</td>
<td>827 EV Rebates</td>
<td>654 Projects</td>
<td>$1.3 million returned to ratepayers</td>
</tr>
<tr>
<td>20.1 Megawatts</td>
<td>146 EV Stations</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**In-district Cap and Trade fund distribution:**

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Sum of Total Dollars Implemented</th>
<th>Sum of GHG Reductions</th>
<th>Sum of Number of Projects</th>
<th>Sum of # of Projects Benefiting Disadvantaged Communities</th>
<th>Sum of Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affordable Housing and Sustainable Communities</td>
<td>$6,730,888</td>
<td>29,374</td>
<td>1</td>
<td>1</td>
<td>$6,730,888</td>
</tr>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$837,776</td>
<td>18,584</td>
<td>379</td>
<td>1</td>
<td>$668,251</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$24,178</td>
<td>57</td>
<td>15</td>
<td>1</td>
<td>$24,178</td>
</tr>
<tr>
<td>Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities</td>
<td>$121,500</td>
<td>146</td>
<td>15</td>
<td>15</td>
<td>$121,500</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$58,883</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>$58,883</td>
</tr>
<tr>
<td>Single-Family Solar Photovoltaics (PV)</td>
<td>$443,652</td>
<td>-</td>
<td>26</td>
<td>26</td>
<td>$443,652</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$8,320,151</strong></td>
<td><strong>48,161</strong></td>
<td><strong>510</strong></td>
<td><strong>433</strong></td>
<td><strong>$8,150,626</strong></td>
</tr>
</tbody>
</table>

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

- **$151.2 Million**: Documented in-district investment in renewable energy, energy efficiency, transportation, and other climate projects.
- **2,782 Jobs**: in the local advanced energy economy.
- **$970,000**: Cap and Trade funds allocated to the district.
- **79%**: of cap and trade funds benefit disadvantaged communities.
- **3,289 cars off the road**: emission reduction equivalent.

As of August 2016
Breakdown of benefits from all climate policies to date:

- **Renewable Generation**
  - Clean Vehicle Rebate Project: $701,093, 15,452 Metric Tons CO2e, 315 Projects, 494,920 Dollars Benefiting Disadvantaged Communities
  - Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP): $24,178, 57 Metric Tons, 1 Project, 24,178 Dollars
  - Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities: $26,250, 47 Metric Tons, 5 Projects, 26,250 Dollars
  - Low Carbon Transit Operations Program: $45,292, - Metric Tons, 1 Project, 45,292 Dollars
  - Grand Total: $969,152, 15,556 Metric Tons, 334 Projects, 762,980 Dollars Benefiting Disadvantaged Communities

- **Transportation**
  - 710 Projects, 30.3 Megawatts

- **Energy Efficiency**
  - Single-Family Solar Photovoltaics (PV): $168,549, 15,556 Metric Tons, 334 Projects, 762,980 Dollars Benefiting Disadvantaged Communities

- **Other Climate Investment**
  - 792 EV Rebates, 22 EV Stations

-$120 Million Invested
-$4.9 Million Incentives
-$26.3 Million Invested
-$0 Million Invested

In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Sum of Total Dollars Implemented</th>
<th>Sum of GHG Reductions Metric Tons CO2e</th>
<th>Sum of Number of Projects</th>
<th>Sum of # of Projects Benefitting Disadvantaged Communities</th>
<th>Sum of Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$701,093</td>
<td>15,452</td>
<td>315</td>
<td>219</td>
<td>$494,920</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$24,178</td>
<td>57</td>
<td>1</td>
<td>1</td>
<td>$24,178</td>
</tr>
<tr>
<td>Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities</td>
<td>$26,250</td>
<td>47</td>
<td>5</td>
<td>5</td>
<td>$26,250</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$45,292</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>$45,292</td>
</tr>
<tr>
<td>Single-Family Solar Photovoltaics (PV)</td>
<td>$168,549</td>
<td>-</td>
<td>8</td>
<td>8</td>
<td>$168,549</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td>$969,152</td>
<td>15,556</td>
<td>334</td>
<td>238</td>
<td>$762,980</td>
</tr>
</tbody>
</table>

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

- **$443 Million**
  - Documented in-district investment in renewable energy, energy efficiency, transportation, and other climate projects

- **2,128 Jobs**
  - In the local advanced energy economy

- **$1.44 Million**
  - Cap and Trade funds allocated to the district

- **96%**
  - of cap and trade funds benefit disadvantaged communities

- **3,058 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**
- 551 Projects
- 94 Megawatts

### Transportation
- **$2.5 Million in Incentives**
- 509 EV Rebates
- 13 Public EV Stations

### Energy Efficiency
- **$7.07 Million Invested**
- 227 Projects

### Other Climate Investment
- **$50,000 Invested**
- $250,000 Returned to Ratepayers

### In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Total Dollars Implemented</th>
<th>GHG Reductions Metric Tons CO2e</th>
<th>Number of Projects</th>
<th># of Projects Benefitting Disadvantaged Communities</th>
<th>Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$630,610</td>
<td>14,257</td>
<td>292</td>
<td>291</td>
<td>$628,010</td>
</tr>
<tr>
<td>Enhanced Fleet Modernization Program Plus-Up</td>
<td>$7,500</td>
<td>20</td>
<td>2</td>
<td>2 $</td>
<td>7,500</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$24,178</td>
<td>57</td>
<td>1</td>
<td>1 $</td>
<td>24,178</td>
</tr>
<tr>
<td>Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities</td>
<td>$50,500</td>
<td>59</td>
<td>6</td>
<td>6 $</td>
<td>50,500</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$437,677</td>
<td>-</td>
<td>3</td>
<td>3 $</td>
<td>437,677</td>
</tr>
<tr>
<td>Single-Family Solar Photovoltaics (PV)</td>
<td>$231,344</td>
<td>-</td>
<td>12</td>
<td>12 $</td>
<td>231,344</td>
</tr>
<tr>
<td>Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating</td>
<td>$9,582</td>
<td>-</td>
<td>5</td>
<td>5 $</td>
<td>9,582</td>
</tr>
<tr>
<td>Statewide Water Efficiency Enhancement Program</td>
<td>$54,983</td>
<td>70</td>
<td>1</td>
<td>- $</td>
<td>-</td>
</tr>
<tr>
<td>Grand Total</td>
<td>$1,446,173</td>
<td>14,465</td>
<td>322</td>
<td>320</td>
<td>1,388,590</td>
</tr>
</tbody>
</table>

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

- **$449 Million**: Documented in-district investment in renewable energy, energy efficiency, transportation and other climate projects.
- **6,851 Jobs**: in the local advanced energy economy.
- **$4.3 Million**: Cap and Trade funds allocated to the district.
- **0%** of cap and trade funds benefit disadvantaged communities.
- **15,400 cars** off the road, emission reduction equivalent.

As of August 2016.
Breakdown of benefits from all climate policies to date:

**Renewable Generation**
- $366 Million Invested
- 8,466 Projects
- 87.3 Megawatts

**Transportation**
- $5.5 Million Incentives
- 3,360 EV Rebates
- 135 EV Stations

**Energy Efficiency**
- $64.3 Million Invested
- 2,681 Installations

**Other Climate Investment**
- $490,000 Invested
- $12.6 million returned to ratepayers

In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Sum of Total Dollars Implemented</th>
<th>Sum of GHG Reductions Metric Tons CO2e</th>
<th>Sum of Number of Projects</th>
<th>Sum of # of Projects Benefitting Disadvantaged Communities</th>
<th>Sum of Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$3,298,680</td>
<td>71,539</td>
<td>1453</td>
<td>1 $</td>
<td>2,595</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$173,450</td>
<td>342</td>
<td>6</td>
<td>0 $</td>
<td>-</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$308,429</td>
<td>-</td>
<td>3</td>
<td>0 $</td>
<td>-</td>
</tr>
<tr>
<td>Sustainable Agricultural Lands Conservation</td>
<td>$490,050</td>
<td>963</td>
<td>1</td>
<td>0 $</td>
<td>-</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$4,270,609</strong></td>
<td><strong>72,844</strong></td>
<td><strong>1463</strong></td>
<td><strong>1 $</strong></td>
<td><strong>2,595</strong></td>
</tr>
</tbody>
</table>

Sources:
- Job data: AEE Advanced Energy jobs in California, 2016
- CO2 Equivalents: [https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator](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](http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm)
The economic benefits of California’s climate policies in-district to date:

- **$2.36 Billion**: Documented in-district investment in renewable energy, energy efficiency, transportation, and other climate projects.
- **3,110 Jobs**: In the local advanced energy economy.
- **$11.3 Million**: Cap and Trade funds allocated to the district.
- **96%**: Of cap and trade funds benefit disadvantaged communities.
- **109,597 cars** off the road, emission reduction equivalent.

As of August 2016
**Breakdown of benefits from all climate policies to date:**

### Renewable Generation

- **$2.3 Billion Invested**
- 9,455 Projects
- 1,116 Megawatts

### Transportation

- **$30,000 in Incentives**
- 551 EV Rebates
- 36 Public EV Stations

### Energy Efficiency

- **$49 Million Invested**
- 1,396 Projects

### Other Climate Investment

- **$10.5 Million Invested**
- $10.7 Million Returned to Ratepayers

### In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Total Dollars Implemented</th>
<th>GHG Reductions Metric Tons CO2e</th>
<th>Number of Projects</th>
<th># of Projects Benefitting Disadvantaged Communities</th>
<th>Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$</td>
<td>687,911</td>
<td>16,884</td>
<td>351</td>
<td>206</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$</td>
<td>98,890</td>
<td>-</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Sacramento-San Joaquin Delta and Coastal Wetlands</td>
<td>$</td>
<td>10,586,159</td>
<td>500,000</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Single-Family Solar Photovoltaics (PV)</td>
<td>$</td>
<td>27,578</td>
<td>-</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating</td>
<td>$</td>
<td>19,625</td>
<td>-</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td>Statewide Water Efficiency Enhancement Program</td>
<td>$</td>
<td>115,526</td>
<td>1,509</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$11,335,668</strong></td>
<td><strong>518,393</strong></td>
<td><strong>389</strong></td>
<td><strong>242</strong></td>
<td><strong>$10,901,421</strong></td>
</tr>
</tbody>
</table>

**Sources:**
- Job data: AEE Advanced Energy jobs in California, 2016
- CO2 Equivalents: [https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator](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](http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm)
The economic benefits of California’s climate policies in-district to date:

- **$373 Million**
  Documented in-district investment in renewable energy, energy efficiency, transportation, and other climate projects

- **5,716 Jobs**
  In the local advanced energy economy

- **$2 Million**
  Cap and Trade funds allocated to the district

- **34%**
  of cap and trade funds benefit disadvantaged communities

- **11,225 cars off the road**
  Emission reduction equivalent

As of August 2016
### Breakdown of benefits from all climate policies to date:

**Renewable Generation**
- $314 Million Invested
- 5,317 Projects
- 134 Megawatts

**Transportation**
- $5.8 Million in Incentives
- 535 EV Rebates
- 10 Public EV Stations

**Energy Efficiency**
- $46.8 Million Invested
- 1,777 Projects

**Other Climate Investment**
- $2 Million Invested
- $4.5 Million Returned to Ratepayers

### In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Total Dollars Implemented</th>
<th>GHG Reductions Metric Tons CO2e</th>
<th>Number of Projects</th>
<th># of Projects Benefiting Disadvantaged Communities</th>
<th>Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$472,728</td>
<td>10,329</td>
<td>210</td>
<td>206</td>
<td>$465,460</td>
</tr>
<tr>
<td>Enhanced Fleet Modernization Program</td>
<td>$50,000</td>
<td>145</td>
<td>16</td>
<td>16</td>
<td>$50,000</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$114,582</td>
<td>277</td>
<td>4</td>
<td>4</td>
<td>$114,582</td>
</tr>
<tr>
<td>Recycling Manufacturing</td>
<td>$1,000,000</td>
<td>41,900</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Statewide Water Efficiency Enhancement</td>
<td>$308,916</td>
<td>443</td>
<td>4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$1,995,772</strong></td>
<td><strong>53,094</strong></td>
<td><strong>317</strong></td>
<td><strong>308</strong></td>
<td><strong>$679,588</strong></td>
</tr>
</tbody>
</table>

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
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

**2,707 Jobs**
In the local advanced energy economy

**$13.9 Million**
Cap and Trade funds allocated to the district

**100%** of cap and trade funds benefit disadvantaged communities

**50,082** cars off the road
emission reduction equivalent

As of August 2016
## Breakdown of benefits of climate investment to date:

<table>
<thead>
<tr>
<th>Renewable Generation</th>
<th>Transportation</th>
<th>Energy Efficiency</th>
<th>Other Climate Investment</th>
</tr>
</thead>
<tbody>
<tr>
<td>$263 Million Invested</td>
<td>$21 Million Incentives</td>
<td>$55 Million Invested</td>
<td>$5.9 Million Invested</td>
</tr>
<tr>
<td>5,823 Projects</td>
<td>528 EV Rebates</td>
<td>2,453 Projects</td>
<td>$9.6 Million Returned to</td>
</tr>
</tbody>
</table>

## In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Total Dollars Implemented</th>
<th>GHG Reductions Metric Tons CO2e</th>
<th>Number of Projects</th>
<th># of Projects Benefitting Disadvantaged Communities</th>
<th>$ Benefitting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affordable Housing and Sustainable Communities</td>
<td>$5,857,096</td>
<td>14,404</td>
<td>1</td>
<td>1</td>
<td>$5,857,096</td>
</tr>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$545,836</td>
<td>12,349</td>
<td>253</td>
<td>252</td>
<td>$544,278</td>
</tr>
<tr>
<td>Enhanced Fleet Modernization Program Plus-Up</td>
<td>$122,500</td>
<td>342</td>
<td>33</td>
<td>33</td>
<td>$122,500</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$221,773</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>$221,773</td>
</tr>
<tr>
<td>Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating</td>
<td>$9,176</td>
<td>-</td>
<td>21</td>
<td>21</td>
<td>$9,176</td>
</tr>
<tr>
<td>Statewide Water Efficiency Enhancement Program</td>
<td>$167,760</td>
<td>539</td>
<td>2</td>
<td>2</td>
<td>$167,760</td>
</tr>
<tr>
<td>Transit and Intercity Rail Capital Program</td>
<td>$7,041,000</td>
<td>209,254</td>
<td>2</td>
<td>2</td>
<td>$7,041,000</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$13,965,140.83</strong></td>
<td><strong>236,888.00</strong></td>
<td><strong>313</strong></td>
<td><strong>312</strong></td>
<td><strong>$13,963,582.40</strong></td>
</tr>
</tbody>
</table>

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

$706 Million
Documented in-district investment in renewable energy, energy efficiency, transportation and other climate projects

9,168 Jobs
In the local advanced energy economy

$2.5 Million
Cap and Trade funds allocated to the district

55% of cap and trade funds benefit disadvantaged communities

8,599 cars off the road emission reduction equivalent

As of August 2016
### In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Total Dollars Implemented</th>
<th>GHG Reductions Metric Tons CO2e</th>
<th>Number of Projects</th>
<th># of Projects Benefitting Disadvantaged Communities</th>
<th>Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$1,746,870.00</td>
<td>40,498</td>
<td>833</td>
<td>317</td>
<td>$639,525</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$77,790.00</td>
<td>114</td>
<td>2</td>
<td>2</td>
<td>$77,790</td>
</tr>
<tr>
<td>Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities</td>
<td>$60,000.00</td>
<td>60</td>
<td>6</td>
<td>6</td>
<td>$60,000</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$533,971.00</td>
<td>-</td>
<td>3</td>
<td>3</td>
<td>$533,971</td>
</tr>
<tr>
<td>Single-Family Solar Photovoltaics (PV)</td>
<td>$27,223.75</td>
<td>-</td>
<td>3</td>
<td>3</td>
<td>$27,224</td>
</tr>
<tr>
<td>Grand Total</td>
<td>$2,453,548.46</td>
<td>40,672</td>
<td>872</td>
<td>356</td>
<td>$1,346,204</td>
</tr>
</tbody>
</table>

**Sources:**
- Job data: AEE Advanced Energy jobs in California, 2016
- CO2 Equivalents: [https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator](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](http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/auctionproceeds.htm)
The economic benefits of California’s climate policies in-district to date:

- **$305 Million**
  Documented in-district investment in renewable energy, energy efficiency, transportation and other climate projects

- **7,433 Jobs**
  In the local advanced energy economy

- **$20 Million**
  Cap and Trade funds allocated to the district

- **62%** of cap and trade funds benefit disadvantaged communities

- **27,293 cars off the road**
  Emission reduction equivalent

As of August 2016
## Breakdown of climate projects to date:

### Renewable Generation

- **$217 Million Invested**
  - 6,376 Projects
  - 46 Megawatts

### Transportation

- **$2.5 Million Incentives**
  - 3,354 EV Rebates

### Energy Efficiency

- **$58 Million Invested**
  - 2,301 Projects

### Other Climate Investment

- **$16.3 Million Invested**
  - $12.5 Returned to Ratepayers

## In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Sum of Total Dollars Implemented</th>
<th>Sum of GHG Reductions Metric Tons CO2e</th>
<th>Sum of Number of Projects</th>
<th>Sum of # of Projects Benefiting Disadvantaged Communities</th>
<th>Sum of Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affordable Housing and Sustainable Communities</td>
<td>$16,267,830.00</td>
<td>60411</td>
<td>3</td>
<td>2</td>
<td>$10,609,958.00</td>
</tr>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$3,076,048.00</td>
<td>68553</td>
<td>1399</td>
<td>494</td>
<td>$1,057,191.89</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP) Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities</td>
<td>$48,235.00</td>
<td>114</td>
<td>2</td>
<td>2</td>
<td>$48,235.00</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$15,250.00</td>
<td>19</td>
<td>2</td>
<td>2</td>
<td>$15,250.00</td>
</tr>
<tr>
<td>Single-Family Solar Photovoltaics (PV) Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating</td>
<td>$573,226.00</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>$573,226.00</td>
</tr>
<tr>
<td></td>
<td>$82,654.25</td>
<td>-</td>
<td>18</td>
<td>18</td>
<td>$82,654.25</td>
</tr>
<tr>
<td></td>
<td>$9,689.83</td>
<td>-</td>
<td>35</td>
<td>35</td>
<td>$9,689.83</td>
</tr>
<tr>
<td>Grand Total</td>
<td><strong>$20,072,933.08</strong></td>
<td>129097</td>
<td>1460</td>
<td>554</td>
<td><strong>$12,396,204.97</strong></td>
</tr>
</tbody>
</table>

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 16
Catharine Baker

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

**3,548 Jobs**
In the local advanced energy economy

**$10 Million**
Cap and Trade funds allocated to the district

**3%** of cap and trade funds benefit disadvantaged communities

**25,430 cars** off the road
emission reduction equivalent

As of August 2016
## Breakdown of climate projects to date:

<table>
<thead>
<tr>
<th>Category</th>
<th>Total Investment</th>
<th>Projects</th>
<th>kwatts</th>
<th>EV Stations</th>
<th>Rebates</th>
<th>Return to Ratepayers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewable Generation</td>
<td>$397 Million</td>
<td>9,904</td>
<td>462.24</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transportation</td>
<td>$2.4 Million</td>
<td>4,264</td>
<td></td>
<td>113</td>
<td>EVS</td>
<td>$12.1 Million</td>
</tr>
<tr>
<td>Energy Efficiency</td>
<td>$45 Million</td>
<td>1,645</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Climate Investment</td>
<td>$5 Million</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$12.1 Million</td>
</tr>
</tbody>
</table>

## In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Total Dollars Implemented</th>
<th>GHG Reductions Metric Tons CO2e</th>
<th>Total Projects</th>
<th># Projects Benefitting Disadvantaged Communities</th>
<th>Dollars Benefitting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affordable Housing and Sustainable Communities</td>
<td>$4,956,610.00</td>
<td>8110</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$5,034,664.00</td>
<td>112117</td>
<td>2289</td>
<td>132</td>
<td>$ 275,735.45</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$24,178.00</td>
<td>57</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$107,192.00</td>
<td>-</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$10,122,644.00</strong></td>
<td><strong>120284</strong></td>
<td><strong>2292</strong></td>
<td><strong>132</strong></td>
<td><strong>$275,735.45</strong></td>
</tr>
</tbody>
</table>

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

**$260 Million**
Documented in-district investment in renewable energy, energy efficiency, transportation and other climate projects

**16,446 Jobs**
In the local advanced energy economy

**$26 Million**
Cap and Trade funds allocated to the district

**51%** of cap and trade funds benefit disadvantaged communities

**33,404 cars off the road**
Emission reduction equivalent

As of August 2016
### In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Total Dollars Implemented</th>
<th>GHG Reductions</th>
<th>Number of Projects</th>
<th># of Projects Benefitting Disadvantaged Communities</th>
<th>Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affordable Housing and Sustainable Communities</td>
<td>$23,784,965.00</td>
<td>118848</td>
<td>3</td>
<td>1</td>
<td>$12,284,976.00</td>
</tr>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$1,787,597.00</td>
<td>38610</td>
<td>783</td>
<td>247</td>
<td>564775.3204</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$120,769.00</td>
<td>285</td>
<td>5</td>
<td>4</td>
<td>96712</td>
</tr>
<tr>
<td>Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities</td>
<td>$231,500.00</td>
<td>257</td>
<td>26</td>
<td>26</td>
<td>231500</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$25,924,831.00</strong></td>
<td><strong>158000</strong></td>
<td><strong>817</strong></td>
<td><strong>278</strong></td>
<td><strong>$13,177,963.32</strong></td>
</tr>
</tbody>
</table>

### Breakdown of climate projects to date:

- **$155 Million Invested**
  - 3,847 Projects
  - 35.75 Megawatts

- **$1.6 Million Incentives**
  - 1,959 EV Rebates
  - 225 Public EV Stations

- **$65 Million Invested**
  - 2,136 Projects

- **$23.8 Million Invested**
  - $15.1 Million Returned to Ratepayers

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

- **$257 Million**
  Documented in-district investment in renewable energy, energy efficiency, transportation and other climate projects

- **6,412 Jobs**
  In the local advanced energy economy

- **$17.6 Million**
  Cap and Trade funds allocated to the district

- **94%**
  of cap and trade funds benefit disadvantaged communities

- **57,557 cars off the road**
  emission reduction equivalent

As of August 2016
Breakdown of climate projects to date:

- **Renewable Generation**
  - $173 Million Invested
  - 2,823 Projects
  - 43.8 Megawatts

- **Transportation**
  - $10.7 Million Incentives
  - 2,137 EV Rebates

- **Energy Efficiency**
  - $47 Million Invested
  - 1,851 Projects

- **Other Climate Investment**
  - $15.56 Million Invested
  - $10.4 Returned to

In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Sum of Total Dollars Implemented</th>
<th>Sum of GHG Reductions Metric Tons CO2e</th>
<th>Sum of Number of Projects</th>
<th>Sum of # of Projects Benefitting Disadvantaged Communities</th>
<th>Sum of Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affordable Housing and Sustainable Communities</td>
<td>$12,560,538.00</td>
<td>27,629</td>
<td>3</td>
<td>3</td>
<td>$12,560,538.00</td>
</tr>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$1,891,470.00</td>
<td>42,688</td>
<td>873</td>
<td>428</td>
<td>903,880.71</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$24,178.00</td>
<td>57</td>
<td>1</td>
<td>1</td>
<td>24,178.00</td>
</tr>
<tr>
<td>Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities</td>
<td>$65,250.00</td>
<td>69</td>
<td>7</td>
<td>7</td>
<td>65,250.00</td>
</tr>
<tr>
<td>Organics Composting/Digesting Grants</td>
<td>$3,000,000.00</td>
<td>20,180</td>
<td>1</td>
<td>1</td>
<td>3,000,000.00</td>
</tr>
<tr>
<td>Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating</td>
<td>$8,806.93</td>
<td>8,806.93</td>
<td>15</td>
<td>15</td>
<td>8,806.93</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td>$17,592,694.43</td>
<td>27,2243</td>
<td>909</td>
<td>464</td>
<td>16,605,105.14</td>
</tr>
</tbody>
</table>

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

- **$142 Million**: Documented in-district investment in renewable energy, energy efficiency, transportation and other climate projects.
- **3,278 Jobs**: In the local advanced energy economy.
- **$1.7 Million**: Cap and Trade funds allocated to the district.
- **16%**: of cap and trade funds benefit disadvantaged communities.
- **7,946 cars**: off the road, emission reduction equivalent.

As of August 2016
In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Sum of Total Dollars Implemented</th>
<th>Sum of GHG Reductions Metric Tons CO2e</th>
<th>Sum of Number of Projects</th>
<th>Sum of # of Projects Benefiting Disadvantaged Communities</th>
<th>Sum of Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$1,715,856.00</td>
<td>37529</td>
<td>763</td>
<td>121</td>
<td>$258,716.07</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$24,057.00</td>
<td>57</td>
<td>1</td>
<td>1</td>
<td>$24,057.00</td>
</tr>
<tr>
<td>Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating</td>
<td>$460.20</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>$460.20</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td>$1,740,373.20</td>
<td>37586</td>
<td>765</td>
<td>123</td>
<td>$283,233.27</td>
</tr>
</tbody>
</table>

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

- $304 Million documented in-district investment in renewable energy, energy efficiency, transportation and other climate projects.
- 6,373 Jobs in the local advanced energy economy.
- $8.9 Million Cap and Trade funds allocated to the district.
- 43% of cap and trade funds benefit disadvantaged communities.
- 21,164 cars off the road, emission reduction equivalent.

As of August 2016.
Breakdown of benefits from all climate policies to date:

- **Renewable Generation**
  - $233 Million Invested
  - 4,482 Projects
  - 48.92 Megawatts

- **Transportation**
  - $6.2 Million Incentives
  - 4,442 EV Rebates
  - 48 Public EV

- **Energy Efficiency**
  - $51.6 Million Invested
  - 1,836 Projects

- **Other Climate Investment**
  - $3.18 Million Invested
  - 10.23 Million Returned to Ratepayers

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### In-district Cap and Trade fund distribution:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Total Dollars Implemented</th>
<th>GHG Reductions Metric Tons CO2e</th>
<th>Number of Projects</th>
<th># of Projects Benefitting Disadvantaged Communities</th>
<th>Dollars Benefiting Disadvantaged Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affordable Housing and Sustainable Communities</td>
<td>$3,183,000</td>
<td>14,411</td>
<td>2</td>
<td>-</td>
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</tr>
<tr>
<td>Clean Vehicle Rebate Project</td>
<td>$3,965,571</td>
<td>85,392</td>
<td>1,732</td>
<td>890</td>
<td>$2,055,035</td>
</tr>
<tr>
<td>Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)</td>
<td>$120,890</td>
<td>285</td>
<td>5</td>
<td>5</td>
<td>$120,890</td>
</tr>
<tr>
<td>Increased Incentives for Public Fleets Pilot Project in Disadvantaged Communities</td>
<td>$10,500</td>
<td>19</td>
<td>2</td>
<td>2</td>
<td>$10,500</td>
</tr>
<tr>
<td>Low Carbon Transit Operations Program</td>
<td>$1,630,316</td>
<td>-</td>
<td>2</td>
<td>2</td>
<td>$1,630,316</td>
</tr>
<tr>
<td>Single-Family Solar Photovoltaics (PV)</td>
<td>$15,105</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>$15,105</td>
</tr>
<tr>
<td>Single-Family/Small Multi-Family Energy Efficiency and Solar Water Heating</td>
<td>$1,583</td>
<td>-</td>
<td>2</td>
<td>2</td>
<td>$1,583</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td>$8,926,965</td>
<td>100,107</td>
<td>1,746</td>
<td>902</td>
<td>$3,833,429</td>
</tr>
</tbody>
</table>

---

**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