Vintage 2016 Allowance Allocation

This document provides a summary of the vintage 2016 free allowance allocation under the Cap-and-Trade Program, aggregated both by allocation methodology and, within the industrial allocation category, by North American Industry Classification System (NAICS) sector. The methodologies for allowance allocation can be found in Cap-and-Trade Regulation sections 95852(j), 95852(k), 95870, 95890, 95891, 95893, 95894, and 95895. Details on allocation to electrical distribution utilities are not included in this document and are instead posted online at http://www.arb.ca.gov/cc/capandtrade/allowanceallocation/electricity-allocation-2013-updates.pdf.

Because facility-level allocation could reveal confidential business information, the total allocation for each allocation methodology and allocation to each industrial sector with fewer than five companies are grouped together. For facilities with a limited exemption of emissions from the production of qualified thermal output and waste-to-energy facilities, allowance allocation is provided at the facility level. These facilities are allocated allowances equal to each facility’s 2014 covered emissions, which are already public data and therefore not confidential.

Detailed information regarding allocation for industrial and other sectors may be found at the following links:

1. Allowance allocation web page
2. 2010 Cap-and-Trade Regulation
   a. Initial Statement of Reasons: Appendix J—Allowance Allocation
3. 2013 Cap-and-Trade Regulation
   a. Initial Statement of Reasons (for information on allocation to universities and public services facilities, natural gas suppliers, legacy contract generators, and public wholesale water agencies, as well as for the limited exemption of emissions from qualified thermal output and waste-to-energy facilities) and 45-Day Modifications September 4, 2013: Appendix C: Product-Based Benchmark Development
   b. 15-Day Modifications March 21, 2014: Appendix A: Product-Based Benchmark Development
The “Total Allocation” numbers below reflect the sum of positive allowances distributed to eligible entities. This value does not include any negative allocation that will carry over into the next allocation distribution. For more information on negative allocation, see Cap-and-Trade Regulation section 95870(j). The “Total True-up Value” numbers below reflect the sum of positive true-up values. True-up value is a quantity of vintage 2016 allowances eligible to be used for compliance for budget year 2014 and subsequent years.

Questions regarding allocation may be directed to David Allgood at (916) 445-8238 or David.Allgood@arb.ca.gov.

<table>
<thead>
<tr>
<th>Category</th>
<th>Total Allocation: 28,040,923</th>
<th>Total True-up Value: 658,790</th>
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<tbody>
<tr>
<td>Petroleum Refining and Hydrogen Production</td>
<td>324110 -- Petroleum Refineries</td>
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<td>324199 -- All Other Petroleum and Coal Products Manufacturing</td>
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<td>325120 -- Industrial Gas Manufacturing</td>
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<td>100002 – Tesoro Los Angeles Refinery - Wilmington Calciner</td>
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<td>100127 – Air Products Wilmington Hydrogen Plant</td>
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<td>100138 – Chevron Products Company - El Segundo Refinery, 90245</td>
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<td>100217 – ExxonMobil Oil Corporation - Torrance Refinery</td>
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<td>100303 – Phillips 66 Company - San Francisco Refinery</td>
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<td>100329 – Phillips 66 Company - Los Angeles Refinery - Wilmington Plant</td>
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<td>100351 – Phillips 66 Company - San Francisco Carbon Plant</td>
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<td>100372 – Valero Refining Company - California, Benicia Refinery and Benicia Asphalt Plant</td>
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<td>100888 – Plains LPG Services/ Lone Star Frac &amp; Isom Facility</td>
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<td></td>
<td>26 # Facilities</td>
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Industrial Allocation
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<tr>
<th>Category</th>
<th>Total</th>
<th>NAICS Codes</th>
<th>Facility Names</th>
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| Petroleum Refining               | See Above | See Above   | 100913 – Phillips 66 Company - Los Angeles Refinery - Carson Plant  
100914 – Shell Oil Products US – Martinez  
101017 – Air Products & Chemicals, Inc., Martinez  
101053 – Praxair Inc.  
101162 – Lunday-Thagard Company  
101205 – Ultramar Inc - Valero  
101226 – Phillips 66 Company - Santa Maria Refinery  
101239 – San Joaquin Refining Company  
101246 – Tesoro Los Angeles Refinery - Carson  
101248 – Air Products Carson Hydrogen Plant  
101331 – Tesoro Refining and Marketing Co. - Martinez  
101384 – Chevron Products Company - Richmond Refinery, 94802  
101507 – Kern Oil Refinery  
101512 – Air Products Manufacturing Corporation, Sacramento  
101701 – Air Liquide El Segundo Hydrogen Plant  
101709 – DeMenno/Kerdoon  
101749 – Air Liquide Large Industries US L.P. - Rodeo Hydrogen Plant |
<p>| and Hydrogen Production          | (Continued)|            |                                                                                                                                               |
|                                  |           |             | See Above                                                                                                                                 |
|                                  |           |             |                                                                                                                                               |</p>
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<td>Crude Petroleum and Natural Gas Extraction</td>
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<td>- 104018 – Aera Energy Coastal Basins</td>
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<td>- 104019 – Aera Energy Belridge Gas Plant 32</td>
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<td>- 104029 – California Resources Production Corporation - Sacramento Valley</td>
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<td>Basin 730</td>
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<td>- 104030 – California Resources Production Corporation - San Joaquin Valley</td>
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<td>- 104033 – California Resources Production Corporation - SCVGP Gas Plant</td>
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<td>- 104072 – Oxy - Tidelands Oil Production Company - 760 Los Angeles Basin</td>
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<td>- 104075 – BreitBurn Operating LP - Los Angeles Basin Facility</td>
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<td>- 104081 – Freeport-McMoRan Oil &amp; Gas LLC - SJV Basin Facility</td>
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<td>- 104090 – Signal Hill Petroleum Facilities</td>
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<td>- 104091 – Seneca San Joaquin Production Facilities</td>
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<td>- 104094 – Berry Petroleum Company - San Joaquin Basin</td>
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<td>- 104097 – Naftex Operating Company</td>
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<td>- 104215 – E&amp;B Natural Resources - San Joaquin Valley</td>
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<td>- 104426 – Holmes Western Oil Corporation</td>
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<td>- 104458 – ERG Operating Company, LLC. 750 Santa Maria Basin</td>
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<td>- 104459 – ExxonMobil POPCO Facility</td>
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<td>- 104460 – ExxonMobil LFC Facility</td>
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<td>- 104485 – CMO Inc</td>
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<td>- 104581 – Eagle Petroleum - Lynch Canyon Field</td>
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See Above
## Industrial Allocation

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<tr>
<th>Category</th>
<th>Total</th>
<th>NAICS Codes</th>
<th>Facility Names</th>
<th>Total # Facilities</th>
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</table>
| Cement, Lime, and Gypsum Product Manufacturing | Total Allocation: 9,148,241 | 327310 – Cement Manufacturing  
327410 – Lime Manufacturing  
327420 – Gypsum Product Manufacturing | 100013 – Riverside Cement Company  
101010 – Mitsubishi Cement 2000  
101029 – CalPortland Company, Mojave Plant  
101265 – Lehigh Southwest Cement Co - Cupertino  
101271 – U.S. Gypsum Co Plaster City Plant  
101314 – National Cement Company - Lebec  
101381 – Lehigh Southwest Cement Co - Redding  
101461 – Lehigh Southwest Cement Co - Tehachapi  
101476 – Cemex Construction Materials Pacific LLC - Victorville Plant  
101697 – New NGC, Inc - Long Beach  
101700 – Georgia-Pacific Gypsum LLC - Antioch  
104052 – Lhoist North America - Natividad Plant | 12 |
| Metal Ore and Mineral Mining | Total Allocation: 2,057,719 | 212299 – All Other Metal Ore Mining  
212391 – Potash, Soda, and Borate Mineral Mining  
212399 – All Other Nonmetallic Mineral Mining | 100011 – Searles Valley Minerals Inc.  
100300 – U.S. Borax, 93516  
101243 – Dicalite Minerals Corp.  
101318 – Imerys Minerals California, Inc.  
104322 – Molycorp Minerals, LLC | 5 |
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<thead>
<tr>
<th>Category</th>
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| Fruit and Vegetable Canning | Total True-up Value: 150,949 | 311421 -- Fruit and Vegetable Canning | • 100936 – Campbell Soup Supply Company, L.L.C. - Dixon  
• 100972 – Los Gatos Tomato Products  
• 101008 – Ingomar Packing Company  
• 101025 – Stanislaus Food Products  
• 101207 – Pacific Coast Producers  
• 101213 – Olam West Coast Inc- Lemoore  
• 101214 – Del Monte - Hanford  
• 101217 – R&B Foods, Inc.  
• 101498 – Morning Star Packing Company - Los Banos  
• 101499 – Liberty Packing - Los Banos (Morning Star)  
• 101500 – Olam West Coast Inc - Williams  
• 101502 – Tomatek / Neil Jones Food Companies  
• 101503 – ConAgra - Oakdale  
• 101504 – J.G.Boswell Tomato Company Kings  
• 101536 – Morning Star Packing Company - Williams  
• 101705 – J. G. Boswell Tomato Company Kern  
• 101729 – ConAgra Foods - Helm Facility | 17 |
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<th>Category</th>
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<th>Total True-up Value: 95,956</th>
<th>NAICS Codes</th>
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<tbody>
<tr>
<td>Other Food Manufacturing</td>
<td></td>
<td></td>
<td>• 311221 – Wet Corn Milling</td>
<td>• 100323 – Ingredion Incorporated Stockton Plant</td>
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<td>• 311313 – Beet Sugar Manufacturing</td>
<td>• 100943 – Anheuser-Busch LLC - Fairfield</td>
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<td>• 311423 – Dried and Dehydrated Food Manufacturing</td>
<td>• 100958 – E &amp; J Gallo Winery - Fresno</td>
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<td>• 311611 – Animal (except Poultry) Slaughtering</td>
<td>• 101235 – Frito Lay - Kern Plant</td>
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<td>• 311615 – Poultry Processing</td>
<td>• 101241 – Spreckels Sugar Company, Inc.- Brawley</td>
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<td>• 311911 – Roasted Nuts and Peanut Butter Manufacturing</td>
<td>• 101297 – MillerCoors</td>
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<td>• 311919 – Other Snack Food Manufacturing</td>
<td>• 101315 – Sensient Natural Ingredients LLC</td>
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<td>• 311991 -- Perishable Prepared Food Manufacturing</td>
<td>• 101473 – Anheuser-Busch LLC - Los Angeles Brewery</td>
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<td>• 311999 – All Other Miscellaneous Food Manufacturing</td>
<td>• 101519 – CP Kelco San Diego</td>
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<td>• 312120 – Breweries</td>
<td>• 101575 – Foster Poultry Farms - Livingston Complex, 95334</td>
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<td>• 312130 -- Wineries</td>
<td>• 101693 – Wm. Bolthouse Farms, Inc.</td>
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<td>• 101736 – Paramount Farms International LLC</td>
<td>• 104069 – Olam West Coast, Inc. - Firebaugh</td>
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<td></td>
<td>• 101716 – Leprino Foods - Lemoore West</td>
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<td>Dairies</td>
<td>Total Allocation: 440,244</td>
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<td>• 311513 -- Cheese Manufacturing</td>
<td>• 100959 – California Dairies, Inc. Fresno</td>
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<td>Total True-up Value: 76,202</td>
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<td>• 311514 -- Dry, Condensed, and Evaporated Dairy Product Manufacturing</td>
<td>• 101186 – Saputo Cheese USA Inc. - Paige</td>
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<td>• 101190 – California Dairies, Inc. Turlock</td>
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<td>• 101197 – California Dairies, Inc. Visalia</td>
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<td>• 101288 – Hilmar Cheese Company</td>
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<td>• 101465 – Land O’ Lakes, Inc.</td>
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<td>• 101509 – California Dairies, Inc. Tipton</td>
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<td>• 101716 – Leprino Foods - Lemoore West</td>
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## Industrial Allocation

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<th>Category</th>
<th>Total Allocation</th>
<th>Total True-up Value</th>
<th>NAICS Codes</th>
<th>Facility Names</th>
<th>Total # Facilities</th>
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<td>Glass Manufacturing</td>
<td>639,316</td>
<td>36,579</td>
<td>327211 -- Flat Glass Manufacturing</td>
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<td>327213 -- Glass Container Manufacturing</td>
<td>101042 – Owens-Brockway Glass Container, Oakland</td>
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<td>327993 -- Mineral Wool Manufacturing</td>
<td>101183 – Owens-Brockway Glass Container, Tracy</td>
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<td>101342 – Ardagh Glass Inc.</td>
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<td>322130 -- Paperboard Mills</td>
<td>100195 – New-Indy Ontario, LLC Linerboard Mill</td>
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<td>101356 – New-Indy Oxnard LLC</td>
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<td>101582 – The P&amp;G Paper Products Co.</td>
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<td>104135 – California Paperboard Corporation</td>
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<td>104136 – Newark Pacific Paperboard</td>
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# Industrial Allocation

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<td>• 100953 – Vista Metals Corp.</td>
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<td>• 331221 – Rolled Steel Shape Manufacturing</td>
<td>• 100954 – California Steel Industries</td>
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<td>• 331314 – Secondary Smelting and Alloying of Aluminum</td>
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<td>• 331492 – Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)</td>
<td>• 101469 – United States Pipe &amp; Foundry Co. LLC</td>
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<td>• 331511 – Iron Foundries</td>
<td>• 101734 – Carlton Forge Works</td>
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<td>• 332112 – Nonferrous Forging</td>
<td>• 10329 – Shultz Steel Company</td>
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<td>135,371</td>
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<td>• 10358 – Schlosser Forge Company</td>
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<td>Chemical, Biological, and Pharmaceutical Manufacturing</td>
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<td>• 325188 -- All Other Basic Inorganic Chemical Manufacturing</td>
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<td>• 325193 -- Ethyl Alcohol Manufacturing</td>
<td>• 100389 – Braun Medical Inc</td>
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<td>• 325199 -- All Other Basic Organic Chemical Manufacturing</td>
<td>• 101451 – Genentech Inc South San Francisco</td>
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<td>• 325311 -- Nitrogenous Fertilizer Manufacturing</td>
<td>• 101685 – Pixley Cogeneration Partners / Calgren Renewable Fuels</td>
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<td>2,116</td>
<td>• 325412 -- Pharmaceutical Preparation Manufacturing</td>
<td>• 101733 – Dow Chemical Company - Pittsburg</td>
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<td>• 325414 -- Biological Product (except Diagnostic) Manufacturing</td>
<td>• 104006 – Agrium US Inc</td>
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<td>• 104048 – Pacific Ethanol Stockton, LLC</td>
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<td>Miscellaneous Industrial Facilities</td>
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<td>• 324121 – Asphalt Paving Mixture and Block Manufacturing</td>
<td>• 101118 – Solar Turbines Incorporated - Kearny Mesa</td>
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<td>• 332510 – Hardware Manufacturing</td>
<td>• 101124 – United Airlines San Francisco Maintenance Center</td>
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<td>• 333611 – Turbine and Turbine Generator Set Units Manufacturing</td>
<td>• 101323 – Los Angeles International Airport (LAX)</td>
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<td>• 336111 – Automobile Manufacturing</td>
<td>• 101623 – Lockheed Martin Corporation - Sunnyvale</td>
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<td>• 336411 – Aircraft Manufacturing</td>
<td>• 104206 – Prime Wheel Corporation</td>
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<tr>
<td></td>
<td></td>
<td>• 336414 – Guided Missile and Space Vehicle Manufacturing</td>
<td>• 104516 – Tesla Motors</td>
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<tr>
<td></td>
<td></td>
<td>• 488119 – Other Airport Operations</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>• 488190 – Other Support Activities for Air Transportation</td>
<td></td>
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</tr>
<tr>
<td>Universities and Public Service Facilities</td>
<td>Facility Names</td>
<td>Total # Facilities</td>
<td></td>
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<tr>
<td>------------------------------------------</td>
<td>------------------------------------------------------------------</td>
<td>-------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Allocation</td>
<td>Total True-up Value</td>
<td>100207 – Loma Linda University</td>
<td>14</td>
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<tr>
<td>931,855</td>
<td>0</td>
<td>100235 – California State University, Channel Islands</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>100273 – University of California, Santa Cruz, UCSC EH&amp;S Office</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>100305 – University of California, Davis</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>100327 – California Institute of Technology (CalTech)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>100328 – Civic Center Cogen, LA County</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>100997 – University of California, Los Angeles, UCLA</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>101296 – University of California, Irvine</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>101305 – University of California, San Diego, UCSD</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>101399 – California State University, San Diego</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>101416 – University of California, San Francisco</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>104068 – UC Davis Medical Center</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>104372 – University of California, Santa Barbara</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>104514 – University of California, Berkeley</td>
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</table>

<table>
<thead>
<tr>
<th>Natural Gas Allocation</th>
<th>Facility Names</th>
<th>Total # Entities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Allocation</td>
<td>Total True-up Value</td>
<td>5002 – Southern California Gas Company</td>
</tr>
<tr>
<td>44,444,093</td>
<td>0</td>
<td>5003 – Long Beach Gas &amp; Oil Dept (LBGO)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5008 – City of Vernon, Gas Municipal Utility Department</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5011 – City of Palo Alto - Gas Utility</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5013 – Southwest Gas Distribution Facilities</td>
</tr>
<tr>
<td></td>
<td></td>
<td>104024 – Pacific Gas and Electric Company (PG&amp;E) - Supplier of Natural Gas</td>
</tr>
<tr>
<td></td>
<td></td>
<td>104085 – San Diego Gas and Electric (SDG&amp;E) - Local Distribution</td>
</tr>
</tbody>
</table>
### Legacy Contract Generators

<table>
<thead>
<tr>
<th>Total Allocation</th>
<th>Total True-up Value</th>
<th>Facility Names</th>
<th>Total # Facilities</th>
</tr>
</thead>
</table>
| 761,895          | 77,230              | • 100001 – ACE Cogeneration  
• 100130 – Sacramento Municipal Utility District (SMUD), Carson Ice CG  
• 100150 – Corona Energy Partners, Ltd.  
• 100178 – Calpine - Gilroy Cogen, L.P., Gilroy Cogen_Peaker  
• 100236 – OLS Energy Chino  
• 100252 – Sacramento Municipal Utility District (SMUD), SCA  
• 100338 – Calpine - Los Medanos Energy Center, LLC  
• 100878 – Wheelabrator Norwalk Energy Company, Inc.  
• 101263 – Crockett Cogeneration Project, LP  
• 101300 – Calpine - King City Cogen, LLC, King City Cogen_Peaker  
• 101701 – Air Liquide El Segundo Hydrogen Plant  
• 101740 – Panoche Energy Center, LLC | 12 |

### Waste-to-Energy Facilities

<table>
<thead>
<tr>
<th>Total Allocation</th>
<th>Facility Allocation (all allowances have true-up value)</th>
<th>Facility Names</th>
<th>Total # Facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>262,352</td>
<td>104,554</td>
<td>100063 – Southeast Resource Recovery Facility (SERRF)</td>
<td>3</td>
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<tr>
<td></td>
<td>56,669</td>
<td>100064 – LACSD - Commerce Refuse To Energy</td>
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<tr>
<td></td>
<td>101,129</td>
<td>101264 – Covanta - Stanislaus, Inc</td>
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</tbody>
</table>
Facilities with Limited Exemption of Emissions from the Production of Qualified Thermal Output

<table>
<thead>
<tr>
<th>Total Allocation</th>
<th>Facility Allocation (all allowances have true-up value)</th>
<th>Facility Names</th>
<th>Total # Facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>225,523</td>
<td>30,316</td>
<td>100131 – California State University, San Jose</td>
<td>8</td>
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<tr>
<td></td>
<td>25,171</td>
<td>100263 – SRI International Cogen Project</td>
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<tr>
<td></td>
<td>13,155</td>
<td>101054 – Freeport-McMoRan Oil &amp; Gas LLC - Gaviota Oil Heating Facility</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18,651</td>
<td>101400 – Qualcomm, Inc. - Morehouse Facility</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9,946</td>
<td>101487 – LACSD - Joint Water Pollution Control Plant</td>
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<tr>
<td></td>
<td>57,685</td>
<td>101607 – NRG Energy - San Francisco Thermal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>35,123</td>
<td>101745 – Orange County Central Utility Facility</td>
<td></td>
</tr>
<tr>
<td></td>
<td>35,476</td>
<td>104364 – Houweling Nurseries</td>
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Public Wholesale Water Agencies

<table>
<thead>
<tr>
<th>Total Allocation</th>
<th>Total True-up Value</th>
<th>Facility Names</th>
<th>Total # Facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>133,065</td>
<td>0</td>
<td>2046 – Metropolitan Water District of Southern California (MWD)</td>
<td>1</td>
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Total Allowance Allocation

<table>
<thead>
<tr>
<th>Total Allocation</th>
<th>Total True-up Value</th>
<th>Total # Entities¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>55,751,545</td>
<td>4,216,528</td>
<td>155</td>
</tr>
<tr>
<td>102,510,328</td>
<td>4,781,633</td>
<td>200</td>
</tr>
<tr>
<td>90,450,339</td>
<td>0</td>
<td>54</td>
</tr>
<tr>
<td><strong>192,960,667</strong></td>
<td><strong>4,781,633</strong></td>
<td><strong>254</strong></td>
</tr>
</tbody>
</table>

¹ Total number of facilities/entities from each of the above categories will not add up to the “Total # Entities” under “Total Allowance Allocation” since an entity may receive allocation under multiple allocation categories.

² For more information on allocation to the electrical distribution utilities, please see http://www.arb.ca.gov/cc/capandtrade/allowanceallocation/electricity-allocation-2013-updates.pdf