

**Cap-and-Trade Program  
Vintage 2017 Allowance Allocation**

This document provides a summary of the vintage 2017 free allowance allocation under the Cap-and-Trade Program, aggregated both by allocation methodology and, within the industrial allocation category, by similar North American Industry Classification System (NAICS) sectors. The methodologies for allowance allocation can be found in Cap-and-Trade Regulation sections 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 waste-to-energy facilities, allowance allocation is provided at the facility level. These facilities are allocated allowances equal to each facility's 2015 covered emissions, which are already public data and therefore not confidential.

The "Total Allocation" numbers below reflect the sum of allowances distributed to eligible entities. This value does not include any negative allocation that will carry over into the next allocation distribution. The total allocation includes the allowances that have true-up value. True-up value is a quantity of vintage 2017 allowances eligible to be used for compliance for budget year 2015 and subsequent years, and this quantity is a subset of "Total Allocation."

Detailed information regarding allocation for industrial and other sectors may be found on ARB's Allowance Allocation web page (<http://www.arb.ca.gov/cc/capandtrade/allowanceallocation/allowanceallocation.htm>). Questions regarding allocation may be directed to David Allgood at (916) 445-8238 or [David.Allgood@arb.ca.gov](mailto:David.Allgood@arb.ca.gov).

Industrial Allocation				
Category	Total	NAICS Codes	Facility Names	Total # Facilities
Petroleum Refining and Hydrogen Production	Total Allocation: 25,130,051  Total True-Up Value: 1,235,221	<ul style="list-style-type: none"> <li>• 324110 -- Petroleum Refineries</li> <li>• 324199 -- All Other Petroleum and Coal Products Manufacturing</li> <li>• 325120 -- Industrial Gas Manufacturing</li> </ul>	<ul style="list-style-type: none"> <li>• 100002 – Tesoro Los Angeles Refinery - Wilmington Calciner</li> <li>• 100127 – Air Products Wilmington Hydrogen Plant</li> <li>• 100138 – Chevron Products Company - El Segundo Refinery, 90245</li> <li>• 100303 – Phillips 66 Company - San Francisco Refinery</li> <li>• 100329 – Phillips 66 Company - Los Angeles Refinery - Wilmington Plant</li> <li>• 100351 – Phillips 66 Company - San Francisco Carbon Plant</li> <li>• 100372 – Valero Refining Company - California, Benicia Refinery and Benicia Asphalt Plant</li> <li>• 100888 – Plains LPG Services/ Lone Star Frac &amp; Isom Facility</li> <li>• 100913 – Phillips 66 Company - Los Angeles Refinery - Carson Plant</li> <li>• 100914 – Shell Oil Products US – Martinez</li> <li>• 101017 – Air Products &amp; Chemicals, Inc., Martinez</li> <li>• 101053 – Praxair Inc.</li> <li>• 101162 – Lunday-Thagard Company DBA World Oil Refining</li> <li>• 101205 – Ultramar Inc - Valero</li> <li>• 101226 – Phillips 66 Company - Santa Maria Refinery</li> </ul>	25

<b>Industrial Allocation</b>				
<b>Category</b>	<b>Total</b>	<b>NAICS Codes</b>	<b>Facility Names</b>	<b>Total # Facilities</b>
Petroleum Refining and Hydrogen Production (Continued)	See Above	<ul style="list-style-type: none"> <li>• See Above</li> </ul>	<ul style="list-style-type: none"> <li>• 101239 – San Joaquin Refining Company</li> <li>• 101246 – Tesoro Los Angeles Refinery - Carson</li> <li>• 101248 – Air Products Carson Hydrogen Plant</li> <li>• 101331 – Tesoro Refining and Marketing Co. - Martinez</li> <li>• 101384 – Chevron Products Company - Richmond Refinery, 94802</li> <li>• 101507 – Kern Oil Refinery</li> <li>• 101512 – Air Products Manufacturing Corporation, Sacramento</li> <li>• 101701 – Air Liquide El Segundo Hydrogen Plant</li> <li>• 101709 – DeMenno/Kerdoon</li> <li>• 101749 – Air Liquide Large Industries US L.P. - Rodeo Hydrogen Plant</li> </ul>	See Above

<b>Industrial Allocation</b>				
<b>Category</b>	<b>Total</b>	<b>NAICS Codes</b>	<b>Facility Names</b>	<b>Total # Facilities</b>
Crude Petroleum and Natural Gas Extraction	Total Allocation: 11,356,850  Total True-Up Value: 931,335	<ul style="list-style-type: none"> <li>• 211111 – Crude Petroleum and Natural Gas Extraction</li> <li>• 211112 – Natural Gas Liquid Extraction</li> </ul>	<ul style="list-style-type: none"> <li>• 100888 – Plains LPG Services/ Lone Star Frac &amp; Isom Facility</li> <li>• 100904 – Linn Operating Inc</li> <li>• 100994 – Oxy - Thums Long Beach Company</li> <li>• 101187 – California Resources Elk Hills, LLC - San Joaquin Valley Basin</li> <li>• 101231 – All American Oil and Gas Company</li> <li>• 101234 – Macpherson Oil Company</li> <li>• 101460 – TRC Cypress Group</li> <li>• 101674 – Pacific Coast Energy Company LP</li> <li>• 101703 – Crestwood West Coast, LLC</li> <li>• 103016 – Freeport-McMoRan Oil &amp; Gas LLC - Arroyo Grande Oil Production Facility</li> <li>• 104011 – Chevron AAPG 740 Coastal Basin</li> <li>• 104012 – Chevron AAPG 745 San Joaquin Basin</li> <li>• 104013 – Chevron 17Z Gas Plant</li> <li>• 104014 – California Resources Elk Hills, LLC - 35R Gas Plant</li> <li>• 104016 – Aera Energy San Joaquin Basin</li> <li>• 104017 – Aera Energy Ventura Basin</li> <li>• 104018 – Aera Energy Coastal Basins</li> <li>• 104019 – Aera Energy Belridge Gas Plant</li> </ul>	34

<b>Industrial Allocation</b>				
<b>Category</b>	<b>Total</b>	<b>NAICS Codes</b>	<b>Facility Names</b>	<b>Total # Facilities</b>
Crude Petroleum and Natural Gas Extraction (Continued)	See Above	See Above	<ul style="list-style-type: none"> <li>• 104029 – California Resources Production Corporation - Sacramento Valley Basin 730</li> <li>• 104030 – California Resources Production Corporation - San Joaquin Valley Basin 745</li> <li>• 104033 – California Resources Production Corporation - SCVGP Gas Plant</li> <li>• 104072 –Tidelands Oil Production Company - 760 Los Angeles Basin</li> <li>• 104075 – BreitBurn Operating LP - Los Angeles Basin Facility</li> <li>• 104081 – Freeport-McMoRan Oil &amp; Gas LLC - SJV Basin Facility</li> <li>• 104090 – Signal Hill Petroleum Facilities</li> <li>• 104091 – Seneca San Joaquin Production Facilities</li> <li>• 104094 – Berry Petroleum Company - San Joaquin Basin</li> <li>• 104097 – Naftex Operating Company</li> <li>• 104215 – E&amp;B Natural Resources - San Joaquin Valley</li> <li>• 104426 –Holmes Western Oil Corporation</li> <li>• 104458 – ERG Operating Company, LLC. 750 Santa Maria Basin</li> <li>• 104485 – CMO Inc</li> <li>• 104488 – Crimson Resource Management Corp</li> <li>• 104581 – Eagle Petroleum - Lynch Canyon Field</li> </ul>	See Above

<b>Industrial Allocation</b>				
<b>Category</b>	<b>Total</b>	<b>NAICS Codes</b>	<b>Facility Names</b>	<b>Total # Facilities</b>
Cement, Lime, and Gypsum Product Manufacturing	Total Allocation: 8,201,323  Total True-Up Value: 530,250	<ul style="list-style-type: none"> <li>• 327310 – Cement Manufacturing</li> <li>• 327410 – Lime Manufacturing</li> <li>• 327420 – Gypsum Product Manufacturing</li> </ul>	<ul style="list-style-type: none"> <li>• 100013 – CalPortland Company Oro Grande Plant</li> <li>• 101010 – Mitsubishi Cement 2000</li> <li>• 101029 – CalPortland Company, Mojave Plant</li> <li>• 101265 – Lehigh Southwest Cement Co - Cupertino</li> <li>• 101271 – U.S. Gypsum Co Plaster City Plant</li> <li>• 101314 – National Cement Company - Lebec</li> <li>• 101381 – Lehigh Southwest Cement Co - Redding</li> <li>• 101461 – Lehigh Southwest Cement Co - Tehachapi</li> <li>• 101476 – Cemex Construction Materials Pacific LLC - Victorville Plant</li> <li>• 101697 – New NGC, Inc - Long Beach</li> <li>• 101700 – Georgia-Pacific Gypsum LLC - Antioch</li> <li>• 104052 – Lhoist North America - Natividad Plant</li> </ul>	12

<b>Industrial Allocation</b>				
<b>Category</b>	<b>Total</b>	<b>NAICS Codes</b>	<b>Facility Names</b>	<b>Total # Facilities</b>
Fruit and Vegetable Canning	Total Allocation: 927,852  Total True-Up Value: 135,430	<ul style="list-style-type: none"> <li>• 311421 – Fruit and Vegetable Canning</li> </ul>	<ul style="list-style-type: none"> <li>• 100936 – Campbell Soup Supply Company, L.L.C. - Dixon</li> <li>• 100972 – Los Gatos Tomato Products</li> <li>• 101008 – Ingomar Packing Company</li> <li>• 101025 – Stanislaus Food Products</li> <li>• 101207 – Pacific Coast Producers</li> <li>• 101213 – Olam West Coast Inc- Lemoore</li> <li>• 101214 – Del Monte - Hanford</li> <li>• 101217 – Mizkan America Inc.</li> <li>• 101498 – Morning Star Packing Company - Los Banos</li> <li>• 101499 – Liberty Packing - Los Banos (Morning Star)</li> <li>• 101500 – Olam West Coast Inc - Williams</li> <li>• 101502 – Tomatek / Neil Jones Food Companies</li> <li>• 101503 – ConAgra - Oakdale</li> <li>• 101504 – J.G.Boswell Tomato Company Kings</li> <li>• 101536 – Morning Star Packing Company - Williams</li> <li>• 101705 – J. G. Boswell Tomato Company Kern</li> <li>• 101729 – ConAgra Foods - Helm Facility</li> </ul>	17

<b>Industrial Allocation</b>				
<b>Category</b>	<b>Total</b>	<b>NAICS Codes</b>	<b>Facility Names</b>	<b>Total # Facilities</b>
Other Food Manufacturing	Total Allocation: 525,461 Total True-Up Value: 27,250	<ul style="list-style-type: none"> <li>• 311221 – Wet Corn Milling</li> <li>• 311313 – Beet Sugar Manufacturing</li> <li>• 311423 – Dried and Dehydrated Food Manufacturing</li> <li>• 311611 – Animal (except Poultry) Slaughtering</li> <li>• 311615 – Poultry Processing</li> <li>• 311911 – Roasted Nuts and Peanut Butter Manufacturing</li> <li>• 311919 – Other Snack Food Manufacturing</li> <li>• 311991 – Perishable Prepared Food Manufacturing</li> <li>• 311999 – All Other Miscellaneous Food Manufacturing</li> <li>• 312120 – Breweries</li> <li>• 312130 – Wineries</li> </ul>	<ul style="list-style-type: none"> <li>• 100323 – Ingredion Incorporated Stockton Plant</li> <li>• 100943 – Anheuser-Busch LLC - Fairfield</li> <li>• 100958 – E &amp; J Gallo Winery - Fresno</li> <li>• 101235 – Frito Lay - Kern Plant</li> <li>• 101241 – Spreckels Sugar Company, Inc.- Brawley</li> <li>• 101297 – MillerCoors</li> <li>• 101315 – Sensient Natural Ingredients LLC</li> <li>• 101473 – Anheuser-Busch LLC - Los Angeles Brewery</li> <li>• 101519 – CP Kelco San Diego</li> <li>• 101575 – Foster Poultry Farms - Livingston Complex, 95334</li> <li>• 101693 – Wm. Bolthouse Farms, Inc.</li> <li>• 104069 – Olam West Coast, Inc. - Firebaugh</li> </ul>	12
Dairies	Total Allocation: 342,845 Total True-Up Value: 9,679	<ul style="list-style-type: none"> <li>• 311513 – Cheese Manufacturing</li> <li>• 311514 – Dry, Condensed, and Evaporated Dairy Product Manufacturing</li> </ul>	<ul style="list-style-type: none"> <li>• 100959 – California Dairies, Inc. Fresno</li> <li>• 101186 – Saputo Cheese USA Inc. - Paige</li> <li>• 101190 – California Dairies, Inc. Turlock</li> <li>• 101197 – California Dairies, Inc. Visalia</li> <li>• 101288 – Hilmar Cheese Company</li> <li>• 101465 – Land O' Lakes, Inc.</li> <li>• 101509 – California Dairies, Inc. Tipton</li> <li>• 101716 – Leprino Foods - Lemoore West</li> </ul>	8



<b>Industrial Allocation</b>				
<b>Category</b>	<b>Total</b>	<b>NAICS Codes</b>	<b>Facility Names</b>	<b>Total # Facilities</b>
Glass Manufacturing	Total Allocation: 582,847 Total True-Up Value: 19,980	<ul style="list-style-type: none"> <li>• 327211 – Flat Glass Manufacturing</li> <li>• 327213 – Glass Container Manufacturing</li> <li>• 327993 – Mineral Wool Manufacturing</li> </ul>	<ul style="list-style-type: none"> <li>• 100917 – CertainTeed Corporation</li> <li>• 101183 – Owens-Brockway Glass Container, Tracy</li> <li>• 101342 – Ardagh Glass Inc.</li> <li>• 101475 – Owens-Brockway Glass Container, Vernon</li> <li>• 101513 – PPG Industries Inc.</li> <li>• 101721 – Guardian Industries Corp.</li> <li>• 103018 – Gallo Glass Company</li> <li>• 104122 – Johns Manville</li> </ul>	8
Paper Manufacturing	Total Allocation: 510,583 Total True-Up Value: 4,670	<ul style="list-style-type: none"> <li>• 322121 – Paper (except Newsprint) Mills</li> <li>• 322130 – Paperboard Mills</li> </ul>	<ul style="list-style-type: none"> <li>• 100147 – Graphic Packaging International, Inc</li> <li>• 100195 – New-Indy Ontario, LLC Linerboard Mill</li> <li>• 100962 – Kimberly Clark Worldwide Inc.</li> <li>• 101356 – New-Indy Oxnard LLC</li> <li>• 101582 – The P&amp;G Paper Products Co.</li> <li>• 104135 – California Paperboard Corporation</li> <li>• 104136 – Newark Pacific Paperboard</li> </ul>	7

<b>Industrial Allocation</b>				
<b>Category</b>	<b>Total</b>	<b>NAICS Codes</b>	<b>Facility Names</b>	<b>Total # Facilities</b>
Metal Processing and Manufacturing	Total Allocation: 399,747 Total True-Up Value: 32,051	<ul style="list-style-type: none"> <li>• 331111 – Iron and Steel Mills</li> <li>• 331221 – Rolled Steel Shape Manufacturing</li> <li>• 331314 – Secondary Smelting and Alloying of Aluminum</li> <li>• 331492 – Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)</li> <li>• 331511 – Iron Foundries</li> <li>• 332112 – Nonferrous Forging</li> </ul>	<ul style="list-style-type: none"> <li>• 100953 – Vista Metals Corp.</li> <li>• 100954 – California Steel Industries</li> <li>• 101068 – USS-POSCO Industries</li> <li>• 101073 – TAMCO</li> <li>• 101469 – United States Pipe &amp; Foundry Co. LLC</li> <li>• 101734 – Carlton Forge Works</li> <li>• 104197 – Quemetco, Inc.</li> <li>• 104329 – Shultz Steel Company</li> <li>• 104358 – Schlosser Forge Company</li> </ul>	9
Chemical, Biological, and Pharmaceutical Manufacturing	Total Allocation: 463,844 Total True-Up Value: 32,723	<ul style="list-style-type: none"> <li>• 325188 – All Other Basic Inorganic Chemical Manufacturing</li> <li>• 325193 – Ethyl Alcohol Manufacturing</li> <li>• 325199 – All Other Basic Organic Chemical Manufacturing</li> <li>• 325311 – Nitrogenous Fertilizer Manufacturing</li> <li>• 325412 – Pharmaceutical Preparation Manufacturing</li> <li>• 325414 – Biological Product (except Diagnostic) Manufacturing</li> </ul>	<ul style="list-style-type: none"> <li>• 100259 – Eco Services - Dominguez</li> <li>• 100389 – Braun Medical Inc</li> <li>• 101451 – Genentech Inc South San Francisco</li> <li>• 101685 – Pixley Cogeneration Partners / Calgren Renewable Fuels</li> <li>• 101733 – Dow Chemical Company – Pittsburg</li> <li>• 104004 JR Simplot Company</li> <li>• 104048 – Pacific Ethanol Stockton, LLC</li> <li>• 104347 – Aemetis Advanced Fuels Keyes, Inc.</li> <li>• 104423 – Procter &amp; Gamble Manufacturing CO. – Sacramento</li> <li>• 104540 – Pacific Ethanol Madera LLC</li> </ul>	10

<b>Industrial Allocation</b>				
<b>Category</b>	<b>Total</b>	<b>NAICS Codes</b>	<b>Facility Names</b>	<b>Total # Facilities</b>
Miscellaneous Industrial Facilities	Total Allocation: 2,027,378 Total True-Up Value: 38,776	<ul style="list-style-type: none"> <li>• 212391 – Potash, Soda, and Borate Mineral Mining</li> <li>• 212399 All Other Nonmetallic Mineral Mining</li> <li>• 336390 – Other Motor Vehicle Parts Manufacturing</li> <li>• 333611 – Turbine and Turbine Generator Set Units Manufacturing</li> <li>• 336111 – Automobile Manufacturing</li> <li>• 336414 – Guided Missile and Space Vehicle Manufacturing</li> <li>• 488119 – Other Airport Operations</li> <li>• 488190 – Other Support Activities for Air Transportation</li> </ul>	<ul style="list-style-type: none"> <li>• 100011 – Searles Valley Minerals Inc.</li> <li>• 100300 – U.S. Borax</li> <li>• 101118 – Solar Turbines Incorporated - Kearny Mesa</li> <li>• 101124 – United Airlines San Francisco Maintenance Center</li> <li>• 101243 Dicalite Minerals Corp.</li> <li>• 101318 Imerys Minerals California, Inc.</li> <li>• 101323 – Los Angeles International Airport (LAX)</li> <li>• 101623 – Lockheed Martin Corporation - Sunnyvale</li> <li>• 104206 – Prime Wheel Corporation</li> <li>• 104516 – Tesla Motors</li> </ul>	10

<b>Natural Gas Allocation</b>			
<b>Total Allocation</b>	<b>Total True-Up Value</b>	<b>Facility Names</b>	<b>Total # Entities</b>
43,579,237	0	<ul style="list-style-type: none"> <li>• 5002 – Southern California Gas Company</li> <li>• 5003 – Long Beach Gas &amp; Oil Dept (LBGO)</li> <li>• 5008 – City of Vernon, Gas Municipal Utility Department</li> <li>• 5011 – City of Palo Alto - Gas Utility</li> <li>• 5013 – Southwest Gas Distribution Facilities</li> <li>• 104024 – Pacific Gas and Electric Company (PG&amp;E) - Supplier of Natural Gas</li> <li>• 104085 – San Diego Gas and Electric (SDG&amp;E) - Local Distribution</li> </ul>	7

<b>Universities and Public Service Facilities</b>			
<b>Total Allocation</b>	<b>Total True-Up Value</b>	<b>Facility Names</b>	<b>Total # Facilities</b>
904,179	0	<ul style="list-style-type: none"> <li>• 100207 – Loma Linda University</li> <li>• 100273 – University of California, Santa Cruz, UCSC EH&amp;S Office</li> <li>• 100305 – University of California, Davis</li> <li>• 100327 – California Institute of Technology (CalTech)</li> <li>• 100328 – Civic Center Cogen, LA County</li> <li>• 100997 – University of California, Los Angeles, UCLA</li> <li>• 101296 – University of California, Irvine</li> <li>• 101305 – University of California, San Diego, UCSD</li> <li>• 101399 – California State University, San Diego</li> <li>• 101416 – University of California, San Francisco</li> <li>• 104068 – UC Davis Medical Center</li> <li>• 104372 – University of California, Santa Barbara</li> <li>• 104514 – University of California, Berkeley</li> </ul>	13

<b>Legacy Contract Generators</b>			
<b>Total Allocation</b>	<b>Total True-Up Value</b>	<b>Facility Names</b>	<b>Total # Facilities</b>
373,148	24,654	<ul style="list-style-type: none"> <li>• 100130 – Sacramento Municipal Utility District (SMUD) , Carson Ice CG</li> <li>• 100178 – Calpine - Gilroy Cogen, L.P., Gilroy Cogen_Peaker</li> <li>• 100235 – California State University, Channel Islands</li> <li>• 100236 – OLS Energy Chino</li> <li>• 100252 – Sacramento Municipal Utility District (SMUD) , SCA</li> <li>• 100878 – Wheelabrator Norwalk Energy Company, Inc.</li> <li>• 101300 – Calpine - King City Cogen, LLC, King City Cogen_Peaker</li> <li>• 101740 – Panoche Energy Center, LLC</li> </ul>	8

<b>Waste-to-Energy Facilities</b>			
<b>Total Allocation</b>	<b>Facility Allocation (all allowances have true-up value)</b>	<b>Facility Names</b>	<b>Total # Facilities</b>
264,661	101,734	100063 – Southeast Resource Recovery Facility (SERRF)	3
	59,840	100064 – LACSD - Commerce Refuse To Energy	
	103,087	101264 – Covanta - Stanislaus, Inc	

<b>Public Wholesale Water Agencies</b>			
<b>Total Allocation</b>	<b>Total True-Up Value</b>	<b>Facility Names</b>	<b>Total # Facilities</b>
57,180	0	2046 – Metropolitan Water District of Southern California (MWD)	1

<b>Total Allowance Allocation</b>			
<b>Total Allocation</b>	<b>Total True-Up Value</b>		<b>Total # Entities<sup>1</sup></b>
50,468,781	2,997,365	Total industrial allocation	151
95,647,186	3,286,680	Total allocation on this spreadsheet	183
88,633,743	0	Total electrical distribution utility allocation <sup>2</sup>	54
<b>184,280,929</b>	<b>3,286,680</b>	<b>TOTAL ALLOCATION</b>	<b>237</b>

<sup>1</sup> 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.

<sup>2</sup> 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>