

Cap-and-Trade Program Vintage 2021 Allowance Allocation Summary

This document provides a summary of vintage 2021 allowance allocation under the Cap-and-Trade Program (Program) aggregated by allocation methodology. Industrial allowance allocation data are disaggregated by general industrial activity. The methodologies for allowance allocation can be found in [Cap-and-Trade Regulation](#) sections 95890 through 95895. Details on allowance allocation to electrical distribution utilities are not included in this document and are instead posted online at <https://www.arb.ca.gov/regact/2016/capandtrade16/attach10.xlsx>.

Because facility-level allowance allocation data 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.

Entities that received no vintage 2021 allocation or that have a negative allocation balance that will carry over to the following year do not appear in this document. Also, pursuant to section 95835(c), an entity with emissions below the Program inclusion threshold for a full compliance period may request to exit the Program. Facilities exiting the Program are not eligible to receive allowance allocation and do not appear in this document.

The “Total Allocation” values in the tables below are the sum of vintage 2021 allowances allocated to eligible entities. “Total Allocation” values do not include any negative allocation balance that will carry over to the following year. “Total Allocation” values include allowances that have true-up value. Vintage 2021 allowances with true-up value are eligible to be used for compliance for covered emissions in 2019 and subsequent years, and the quantity “Total True-Up Value” is a subset of “Total Allocation” in the tables below.

Industrial allowance allocation values reflect the current assistance factors (AFs) in Table 8-1 of the [Cap-and-Trade Regulation](#). AFs were updated as part of the Cap-and-Trade 2018 Regulation amendments, which were adopted by the Board on December 13, 2018 and became effective April 1, 2019. For budget years 2018-2020, the AFs for industrial facilities with *medium* leakage risk changed from 75% to 100%, and AFs for industrial facilities with *low* leakage risk changed from 50% to 100%.

The vintage 2021 allowance allocation summarized in this report is the second distribution of allowances based on these new AFs (vintage 2020 allowance allocation was also based on these new AFs). The increased AFs result in increased total allocation and true-up values for industrial facilities with the medium and low leakage risk. Initial vintage 2019 allowance allocation has been trued up using 100% AFs by the vintage 2021 allowance allocation summarized in this report.

The vintage 2021 allowance allocation to electrical distribution utilities summarized in this report reflects a reduction from the total amount in Table 9-4 of the Cap-and-Trade Regulation to account for 2019 Energy Imbalance Market (EIM) Outstanding Emissions. CARB directly retired these allowances for EIM Outstanding Emissions during April 1, 2019 through December 31, 2019 as required by sections 95852(l)(2) and 95892(a)(3) of the Cap-and-Trade Regulation. These allowances are retired by this process to address emissions leakage related to operation of the EIM.

Detailed information regarding allocation to industrial and other sectors may be found on CARB's Allowance Allocation web page ([Allowance Allocation \[https://ww2.arb.ca.gov/our-work/programs/cap-and-trade-program/allowance-allocation\]](https://ww2.arb.ca.gov/our-work/programs/cap-and-trade-program/allowance-allocation)). Questions regarding allowance allocation may be directed to David Allgood at (916) 445-8238 or David.Allgood@arb.ca.gov.

Industrial Allocation

Category	Total Allocation	NAICS Codes	CARB GHG IDs and Facility Names	Total # Facilities
<p>Petroleum Refining and Hydrogen Production</p>	<p>Total Allocation: 29,944,669 Total True-Up Value: 5,658,542</p>	<ul style="list-style-type: none"> • 324110 – Petroleum Refineries • 324199 – All Other Petroleum and Coal Products Manufacturing • 325120 – Industrial Gas Manufacturing 	<ul style="list-style-type: none"> • 100002 – Tesoro Los Angeles Refinery - Wilmington Calciner • 100127 – Air Products Wilmington Hydrogen Plant • 100138 – Chevron Products Company - El Segundo Refinery, 90245 • 100217 – Torrance Refinery • 100303 – Phillips 66 Company - San Francisco Refinery • 100329 – Phillips 66 Company - Los Angeles Refinery - Wilmington Plant • 100351 – Phillips 66 Company - San Francisco Carbon Plant • 100372 – Valero Refining Company - California, Benicia Refinery and Benicia Asphalt Plant • 100888 – Plains LPG Services/ Lone Star Frac & Isom Facility • 100913 – Phillips 66 Company - Los Angeles Refinery - Carson Plant • 100914 – Martinez Refining Company • 101017 – Air Products & Chemicals, Inc., Martinez • 101053 – Praxair Inc. • 101162 – Lunday-Thagard Company DBA World Oil Refining • 101205 – Ultramar Inc – Valero Wilmington • 101226 – Phillips 66 Company - Santa Maria Refinery 	<p>27</p>

Category	Total Allocation	NAICS Codes	CARB GHG IDs and Facility Names	Total # Facilities
Petroleum Refining and Hydrogen Production (Continued)	See Above	<ul style="list-style-type: none"> • See Above 	<ul style="list-style-type: none"> • 101239 – San Joaquin Refining Company • 101246 – Los Angeles Refinery • 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 • 104005 – Tricor Refining LLC 	See Above

Category	Total Allocation	NAICS Codes	CARB GHG IDs and Facility Names	Total # Facilities
<p>Crude Petroleum and Natural Gas Extraction</p>	<p>Total Allocation: 7,325,544</p> <p>Total True-Up Value: 375,712</p>	<ul style="list-style-type: none"> • 211111 – Crude Petroleum and Natural Gas Extraction • 211112 – Natural Gas Liquid Extraction 	<ul style="list-style-type: none"> • 100888 – Plains LPG Services/ Lone Star Frac & Isom Facility • 100895 – Berry Petroleum Company - Placerita • 101231 – Grade 6 Oil, LLC • 101234 – Macpherson Oil Company • 101460 – TRC Cypress Group LLC • 101674 – Pacific Coast Energy Company LP • 101703 – Midstream Energy Partners • 103016 – Sentinel Peak Resources - Arroyo Grande Oil Production Facility • 104011 – Chevron AAPG 740 Coastal Basin • 104012 – Chevron AAPG 745 San Joaquin Basin • 104014 – California Resources Elk Hills, LLC - 35R Gas Plant • 104016 – Aera Energy San Joaquin Basin • 104017 – Aera Energy Ventura Basin • 104018 – Aera Energy Coastal Basins 	<p>29</p>

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

Category	Total Allocation	NAICS Codes	CARB GHG IDs and Facility Names	Total # Facilities
<p>Cement, Lime, Gypsum, and Clay Product Manufacturing</p>	<p>Total Allocation: 8,159,023 Total True-Up Value: 413,620</p>	<ul style="list-style-type: none"> • 327123 – Other Structural Clay Product Manufacturing • 327310 – Cement Manufacturing • 327410 – Lime Manufacturing • 327420 – Gypsum Product Manufacturing 	<ul style="list-style-type: none"> • 100013 – CalPortland Company Oro Grande Plant • 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 • 101715 – LWFP LLC • 104052 – Lhoist North America - Natividad Plant • 104415 – New NGC, Inc – Richmond • 104733 – PABCO Gypsum Newark 	<p>15</p>

Category	Total Allocation	NAICS Codes	CARB GHG IDs and Facility Names	Total # Facilities
Fruit and Vegetable Canning	Total Allocation: 752,138 Total True-Up Value: 193,886	<ul style="list-style-type: none"> • 311421 – Fruit and Vegetable Canning 	<ul style="list-style-type: none"> • 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 – Mizkan America Inc. • 101498 – Morning Star Packing Company – Los Banos • 101499 – Liberty Packing - Los Banos (Morning Star) • 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 	15

Category	Total Allocation	NAICS Codes	CARB GHG IDs and Facility Names	Total # Facilities
Other Food Manufacturing	Total Allocation: 585,008 Total True-Up Value: 129,515	<ul style="list-style-type: none"> • 111419 – Other Food Crops Grown Under Cover • 311313 – Beet Sugar Manufacturing • 311423 – Dried and Dehydrated Food Manufacturing • 311615 – Poultry Processing • 311911 – Roasted Nuts and Peanut Butter Manufacturing • 311919 – Other Snack Food Manufacturing • 311991 – Perishable Prepared Food Manufacturing • 312120 – Breweries • 312130 – Wineries 	<ul style="list-style-type: none"> • 100958 – E & J Gallo Winery - Fresno • 101235 – Frito Lay - Kern Plant • 101241 – Spreckels Sugar Company, Inc.- Brawley • 101284 – Olam West Coast Inc. – Gilroy • 101315 – Sensient Natural Ingredients LLC • 101473 – Anheuser-Busch LLC - Los Angeles Brewery • 101575 – Foster Poultry Farms - Livingston Complex, 95334 • 101693 – Wm. Bolthouse Farms, Inc. • 101736 – WP&A Lost Hills • 104069 – Olam West Coast, Inc. – Firebaugh • 104207 – Frito Lay - Modesto • 104359 – Windset Farms • 104709 – SunSelect Produce (California) Inc. 	13
Dairies	Total Allocation: 406,283 Total True-Up Value: 88,224	<ul style="list-style-type: none"> • 311513 – Cheese Manufacturing • 311514 – Dry, Condensed, and Evaporated Dairy Product Manufacturing 	<ul style="list-style-type: none"> • 100959 – California Dairies, Inc. Fresno • 101186 – Saputo Cheese USA Inc. - Paige • 101190 – California Dairies, Inc. Turlock • 101197 – California Dairies, Inc. Visalia • 101288 – Hilmar Cheese Company • 101465 – Land O' Lakes, Inc. • 101509 – California Dairies, Inc. Tipton • 101716 – Leprino Foods - Lemoore West 	8

Category	Total Allocation	NAICS Codes	CARB GHG IDs and Facility Names	Total # Facilities
Glass Manufacturing	Total Allocation: 533,821 Total True-Up Value: 16,228	<ul style="list-style-type: none"> • 327211 – Flat Glass Manufacturing • 327213 – Glass Container Manufacturing • 327993 – Mineral Wool Manufacturing 	<ul style="list-style-type: none"> • 100917 – CertainTeed Corporation • 101154 – Owens Corning Insulating Systems LLC, Santa Clara • 101183 – Owens-Brockway Glass Container Tracy • 101342 – Ardagh Glass Inc. • 101475 – Owens-Brockway Glass Container Vernon • 101513 – Vitro Flat Glass LLC • 101721 – Guardian Industries LLC • 103018 – Gallo Glass Company • 104122 – Johns Manville 	9
Paper Manufacturing	Total Allocation: 380,200 Total True-Up Value: 1,628	<ul style="list-style-type: none"> • 322121 – Paper (except Newsprint) Mills • 322130 – Paperboard Mills 	<ul style="list-style-type: none"> • 100195 – New-Indy Ontario LLC Linerboard Mill • 101356 – New-Indy Oxnard LLC • 101582 – The P&G Paper Products Co. • 104135 – California Paperboard Corporation • 104136 – Newark Pacific Paperboard 	5
Metal Processing and Manufacturing	Total Allocation: 425,662 Total True-Up Value: 72,799	<ul style="list-style-type: none"> • 331111 – Iron and Steel Mills • 331221 – Rolled Steel Shape Manufacturing • 331314 – Secondary Smelting and Alloying of Aluminum • 331492 – Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum) • 331511 – Iron Foundries • 332112 – Nonferrous Forging 	<ul style="list-style-type: none"> • 100952 – TST Inc. • 100953 – Vista Metals Corp. • 100954 – California Steel Industries • 101068 – USS-POSCO Industries • 101073 – TAMCO • 101469 – United States Pipe & Foundry Co. LLC • 101734 – Carlton Forge Works • 104197 – Quemetco, Inc. • 104329 – Shultz Steel Company • 104358 – Schlosser Forge Company 	10

Category	Total Allocation	NAICS Codes	CARB GHG IDs and Facility Names	Total # Facilities
Chemical, Biological, and Pharmaceutical Manufacturing	Total Allocation: 567,180 Total True-Up Value: 73,569	<ul style="list-style-type: none"> • 325188 – All Other Basic Inorganic Chemical Manufacturing • 325193 – Ethyl Alcohol Manufacturing • 325194 – Cyclic Crude, intermediate, and gum and wood chemical manufacturing • 325199 – All Other Basic Organic Chemical Manufacturing • 325412 – Pharmaceutical Preparation Manufacturing • 325414 – Biological Product (except Diagnostic) Manufacturing 	<ul style="list-style-type: none"> • 100259 – Eco Services - Dominguez • 100389 – Braun Medical Inc • 101451 – Genentech Inc South San Francisco • 101519 – CP Kelco San Diego • 101685 – Pixley Cogeneration Partners / Calgren Renewable Fuels • 101733 – Corteva Agriscience – Pittsburg • 104048 – Pacific Ethanol Stockton, LLC • 104347 – Aemetis Advanced Fuels Keyes, Inc. • 104423 – Procter & Gamble Manufacturing Co. – Sacramento • 104540 – Pacific Ethanol Madera LLC 	10

Miscellaneous Industrial, Legacy Contract Generator, and Waste-to-Energy Facility Allocation

Category	Total Allocation	NAICS Codes (for Industrial Allocation Recipients Only)	Facility Names	Total # Facilities
Miscellaneous Industrial Facilities, Legacy Contract Generators, and Waste-to-Energy Facilities	Total Allocation: 1,709,252 Total True-Up Value: 24,282	<ul style="list-style-type: none"> • 221112 – Fossil Fuel Electric Power Generation • 212391 – Potash, Soda, and Borate Mineral Mining • 212399 – All Other Nonmetallic Mineral Mining • 313310 – Textile and Fabric Finishing Mills • 333611 – Turbine and Turbine Generator Set Units Manufacturing • 336111 – Automobile Manufacturing • 562213 – Solid Waste Combustors and incinerators 	<ul style="list-style-type: none"> • 100011 – Searles Valley Minerals Inc. • 100063 – Southeast Resource Recovery Facility (SERRF) • 100130 – Sacramento Municipal Utility District (SMUD) Carson Ice CG • 100300 – U.S. Borax • 101118 – Solar Turbines Incorporated - Kearny Mesa • 101243 – Dicalite Minerals Corp. • 101264 – Covanta – Stanislaus Inc. • 101318 – Imerys Minerals California, Inc. • 101740 – Panoche Energy Center LLC • 104516 – Tesla Motors • 104633 – Matchmaster Dyeing & Finishing 	11

Natural Gas Supplier Allocation

Total Allocation	Total True-Up Value	Facility Names	Total # Entities
39,254,946	0	<ul style="list-style-type: none"> • 5002 – Southern California Gas Company • 5003 – Long Beach Gas & Oil Dept (LBGO) • 5008 – City of Vernon, Gas Municipal Utility Department • 5011 – City of Palo Alto - Gas Utility • 5013 – Southwest Gas Distribution Facilities • 104024 – Pacific Gas and Electric Company (PG&E) - Supplier of Natural Gas • 104085 – San Diego Gas and Electric (SDG&E) - Local Distribution 	7

University and Public Service Facility Allocation

Total Allocation	Total True-Up Value	Facility Names	Total # Facilities
867,228	0	<ul style="list-style-type: none"> • 100207 – Loma Linda University • 100235 – California State University Channel Islands • 100273 – University of California, Santa Cruz, UCSC EH&S Office • 100305 – University of California, Davis • 100327 – California Institute of Technology (CalTech) • 100328 – Civic Center Cogen, LA County • 100997 – University of California, Los Angeles, UCLA • 101296 – University of California, Irvine • 101305 – University of California, San Diego, UCSD • 101399 – California State University, San Diego • 101416 – University of California, San Francisco • 104068 – UC Davis Medical Center • 104372 – University of California, Santa Barbara • 104514 – University of California, Berkeley 	14

Public Wholesale Water Agency Allocation

Total Allocation	Total True-Up Value	Facility Names	Total # Facilities
39,096	0	2046 – Metropolitan Water District of Southern California (MWD)	1

Total Allowance Allocation

Total Allocation	Total True-Up Value	Category	Total # Entities ¹
50,788,780	7,048,005	Total industrial, legacy contract generator, and waste-to-energy facility allowance allocation	151
90,950,050	7,048,005	Total allowance allocation in this summary document	173
73,106,879	0	Total electrical distribution utility allowance allocation ²	54
164,056,929	7,048,005	TOTAL ALLOWANCE ALLOCATION	225

¹ Total number of facilities/entities from each category does not sum to the “Total # Entities” under “Total Allowance Allocation” since an entity may receive allowance allocation under multiple allocation categories.

² The total vintage 2021 allowance allocation to electrical distribution utilities reflects the deduction of 375,843 allowances from the total amount in Table 9-4 of the Cap-and-Trade Regulation to account for 2019 EIM Outstanding Emissions. For more information on allocation to the electrical distribution utilities, please see <https://www.arb.ca.gov/regact/2016/capandtrade16/attachc.pdf>. Vintage 2021 through vintage 2030 allowance allocation to electrical distribution utilities can be found here, <https://www.arb.ca.gov/regact/2016/capandtrade16/attach10.xlsx>.