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2

3 **Chapter 1.0 Introduction**

4 CARB (California Air Resources Board). 2021. California Greenhouse Gas
5 Emissions for 2000 to 2019: Trends of Emissions and Other Indicators.
6 [https://ww2.arb.ca.gov/sites/default/files/classic/cc/inventory/2000_2019_ghg_in-](https://ww2.arb.ca.gov/sites/default/files/classic/cc/inventory/2000_2019_ghg_inventory_trends_04-01.pdf)
7 [ventory_trends_04-01.pdf](https://ww2.arb.ca.gov/sites/default/files/classic/cc/inventory/2000_2019_ghg_inventory_trends_04-01.pdf).

8 Ellis, L.D., A.F. Badel, M.L. Chiang, R. J-Y Park, and Y-M. Chiang. 2020.
9 Toward electrochemical synthesis of cement – An electrolyzer-based process for
10 decarbonizing CaCO3 while producing useful gas streams. PNAS 117(23): 12584-
11 12591.

12 LAHD (Los Angeles Harbor Department). 2022. Facts and Figures.
13 <https://www.portoflosangeles.org/business/statistics/facts-and-figures>.

14 USGS (United States Geological Survey). 2022. Mineral Industry Surveys.
15 Cement in December 2021. [https://www.usgs.gov/centers/national-minerals-](https://www.usgs.gov/centers/national-minerals-information-center/cement-statistics-and-information)
16 [information-center/cement-statistics-and-information](https://www.usgs.gov/centers/national-minerals-information-center/cement-statistics-and-information).

17 **Chapter 2.0 Project Description**

18 AWS Consulting. 2014. Work order: 3J02078 Certificate of Analysis Weck
19 Laboratories, Inc.

20 Caltrans (California Department of Transportation). 2021. Supplementary
21 Cementitious Material Supply Look-Ahead. Concrete Task Group: Work Product
22 Final Report. July. [https://dot.ca.gov/programs/maintenance/pavement/pavement-](https://dot.ca.gov/programs/maintenance/pavement/pavement-materials-partnering-committee/concrete-task-group)
23 [materials-partnering-committee/concrete-task-group](https://dot.ca.gov/programs/maintenance/pavement/pavement-materials-partnering-committee/concrete-task-group).

24 CARB (California Air Resources Board). 2021. California Greenhouse Gas
25 Emissions for 2000 to 2019: Trends of Emissions and Other Indicators.
26 [https://ww2.arb.ca.gov/sites/default/files/classic/cc/inventory/2000_2019_ghg_in-](https://ww2.arb.ca.gov/sites/default/files/classic/cc/inventory/2000_2019_ghg_inventory_trends_04-01.pdf)
27 [ventory_trends_04-01.pdf](https://ww2.arb.ca.gov/sites/default/files/classic/cc/inventory/2000_2019_ghg_inventory_trends_04-01.pdf)

28 City of Los Angeles. 2022. Department of City Planning. ZIMAS (Zone
29 Information and Map Access System). [https://planning.lacity.org/zoning/zoning-](https://planning.lacity.org/zoning/zoning-search)
30 [search](https://planning.lacity.org/zoning/zoning-search).

31 Code of Federal Regulations Title 29, 2023. 29CFR part 1910 (Z) Hazardous
32 waste operations and emergency response. Accessible
33 [https://www.ecfr.gov/current/title-29/subtitle-B/chapter-XVII/part-1910/subpart-](https://www.ecfr.gov/current/title-29/subtitle-B/chapter-XVII/part-1910/subpart-H/section-1910.120)
34 [H/section-1910.120](https://www.ecfr.gov/current/title-29/subtitle-B/chapter-XVII/part-1910/subpart-H/section-1910.120).

35 Ecocem. 2022. Email communication from Clive Moutray to Ramboll. 8/5/2022.

- 1 _____ . 2023. Email communication from Clive Moutray to Ramboll. 1/19/2023.
- 2 Ellis, L.D., A.F. Badel, M.L. Chiang, R. J-Y Park, and Y-M. Chiang. 2020.
- 3 Toward electrochemical synthesis of cement – An electrolyzer-based process for
- 4 decarbonizing CaCO₃ while producing useful gas streams. PNAS 117(23): 12584-
- 5 12591.
- 6 Enviro-Tox Services, Inc. 2018. Human health risk assessment, Berths 191-193,
- 7 Wilmington, California. Prepared for Leighton Consulting. June.
- 8 LAHD (Los Angeles Harbor Department). 2018. Port Master Plan. September.
- 9 [https://kentico.portoflosangeles.org/getmedia/adf788d8-74e3-4fc3-b774-](https://kentico.portoflosangeles.org/getmedia/adf788d8-74e3-4fc3-b774-c6090264f8b9/port-master-plan-update-with-no-29_9-20-2018)
- 10 [c6090264f8b9/port-master-plan-update-with-no-29_9-20-2018.](https://kentico.portoflosangeles.org/getmedia/adf788d8-74e3-4fc3-b774-c6090264f8b9/port-master-plan-update-with-no-29_9-20-2018)
- 11 Leighton Consulting Inc. 2018. Baseline Environmental Site Characterization
- 12 Report. Port of Los Angeles. Berths 191 to 193. Wilmington, California. Leighton
- 13 Project 11618.05. April.
- 14 Phenix Enterprise. 2023. GBFS/GGBFS.
- 15 [https://www.phenixenterprise.com/product/gbfs-ggbfs/.](https://www.phenixenterprise.com/product/gbfs-ggbfs/)
- 16 Pixabay, 2023. Cement Truck Construction. Open access photo database.
- 17 Available at: [https://pixabay.com/photos/cement-truck-concrete-construction-](https://pixabay.com/photos/cement-truck-concrete-construction-5240567/)
- 18 [5240567/.](https://pixabay.com/photos/cement-truck-concrete-construction-5240567/)
- 19 POLA (Port of Los Angeles). 2013. Leasing Policy.
- 20 [https://kentico.portoflosangeles.org/getmedia/aa9f4c08-7d5e-47bf-8858-](https://kentico.portoflosangeles.org/getmedia/aa9f4c08-7d5e-47bf-8858-2b2c3523f91d/072513_item_11_transmittal_1)
- 21 [2b2c3523f91d/072513_item_11_transmittal_1.](https://kentico.portoflosangeles.org/getmedia/aa9f4c08-7d5e-47bf-8858-2b2c3523f91d/072513_item_11_transmittal_1)
- 22 USEPA (U.S. Environmental Protection Agency). 2021. Table II. EPCRA Section
- 23 313 Chemical List For Reporting Year 2021.
- 24 [https://www.epa.gov/system/files/documents/2022-03/ry-2021-tri-chemical-list-](https://www.epa.gov/system/files/documents/2022-03/ry-2021-tri-chemical-list-03-07-2022_0.pdf)
- 25 [03-07-2022_0.pdf.](https://www.epa.gov/system/files/documents/2022-03/ry-2021-tri-chemical-list-03-07-2022_0.pdf)
- 26 USGS (United States Geological Survey). 2022. Mineral Industry Surveys.
- 27 Cement in December 2021. [https://www.usgs.gov/centers/national-minerals-](https://www.usgs.gov/centers/national-minerals-information-center/cement-statistics-and-information)
- 28 [information-center/cement-statistics-and-information.](https://www.usgs.gov/centers/national-minerals-information-center/cement-statistics-and-information)

29 Chapter 3.0 Environmental Analysis

30 Section 3.1 Air Quality

- 31 CARB (California Air Resources Board). 2021. Emission Factor (EMFAC)
- 32 Model. <https://arb.ca.gov/emfac/>
- 33 _____ . 2022. Maps of State and Federal Area Designations.
- 34 [https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-](https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations)
- 35 [designations.](https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations)
- 36 City of Los Angeles. 2006. L.A. CEQA Thresholds Guide: Your Resource for
- 37 Preparing CEQA Analyses in Los Angeles.
- 38 [http://ibecproject.com/PREDEIR_0013306.pdf.](http://ibecproject.com/PREDEIR_0013306.pdf)
- 39 Heavy Equipment Guide. 2012. Caterpillar goes ‘all-in’ on natural gas.
- 40 [https://www.heavyequipmentguide.ca/article/2610/caterpillar-goes-all-in-on-](https://www.heavyequipmentguide.ca/article/2610/caterpillar-goes-all-in-on-natural-gas)
- 41 [natural-gas.](https://www.heavyequipmentguide.ca/article/2610/caterpillar-goes-all-in-on-natural-gas)
- 42 International Vehicle Technology. 2019. Biomethane is the future, says Case as it
- 43 unveils concept wheel loader. <https://www.ivtinternational.com/ivt->

- 1 concept/exclusive-biomethane-is-the-future-says-case-as-it-unveils-concept-
2 wheel-loader.html.
- 3 LAHD (Los Angeles Harbor Department). 2009. Sustainable Construction
4 Guidelines for Reducing Air Emissions.
- 5 _____. 2010. 2010 CAAP Update. Attachment I to Appendix B, Sphere of
6 Influence Bay-Wide Sphere of Influence Analysis for Surface Meteorological
7 Stations Near the Ports. November.
- 8 _____. 2022. Vessel Speed Reduction Program compliance data – 2021.
9 [https://kentico.portoflosangeles.org/getmedia/d8071793-c952-4faf-8234-
10 a7a789424e00/2021_VSR_Counts_POLA](https://kentico.portoflosangeles.org/getmedia/d8071793-c952-4faf-8234-a7a789424e00/2021_VSR_Counts_POLA).
- 11 OEHHA (Office of Environmental Health Hazard Assessment). 2009. The
12 Technical Support Document for Cancer Potency Factors.
13 [https://oehha.ca.gov/air/cnr/technical-support-document-cancer-potency-factors-
14 2009](https://oehha.ca.gov/air/cnr/technical-support-document-cancer-potency-factors-2009).
- 15 _____. 2015. Risk Assessment Guidelines: Guidance Manual for Preparation of
16 Health Risk Assessments.
17 <https://oehha.ca.gov/media/downloads/cnr/2015guidancemanual.pdf>.
- 18 POLA (Port of Los Angeles). 2015. Port of Los Angeles Inventory of Air
19 Emissions – 2015. [https://kentico.portoflosangeles.org/getmedia/dfa9ca66-0f23-
20 40ce-9430-6e95440f8de2/2015_Air_Emissions_Inventory](https://kentico.portoflosangeles.org/getmedia/dfa9ca66-0f23-40ce-9430-6e95440f8de2/2015_Air_Emissions_Inventory).
- 21 _____. 2021. Port of Los Angeles Inventory of Air Emissions – 2020.
22 [https://kentico.portoflosangeles.org/getmedia/7cb78c76-3c7b-4b8f-8040-
23 b662f4a992b1/2020_Air_Emissions_Inventory](https://kentico.portoflosangeles.org/getmedia/7cb78c76-3c7b-4b8f-8040-b662f4a992b1/2020_Air_Emissions_Inventory).
- 24 _____. 2022. Port of Los Angeles Inventory of Air Emissions – 2021. Available
25 at [https://kentico.portoflosangeles.org/getmedia/f26839cd-54cd-4da9-92b7-
26 a34094ee75a8/2021_Air_Emissions_Inventory](https://kentico.portoflosangeles.org/getmedia/f26839cd-54cd-4da9-92b7-a34094ee75a8/2021_Air_Emissions_Inventory).
- 27 SPBP (San Pedro Bay Ports). 2016. Clean Air Action Plan 2017: Discussion
28 Document. [https://kentico.portoflosangeles.org/getmedia/f614a4ad-8c3d-4044-
29 ac3b-807b6dca27db/2017-CAAP-Draft-Discussion-Document](https://kentico.portoflosangeles.org/getmedia/f614a4ad-8c3d-4044-ac3b-807b6dca27db/2017-CAAP-Draft-Discussion-Document).
- 30 _____. 2017. San Pedro Bay Ports Clean Air Action Plan 2017 Final. November.
31 [https://kentico.portoflosangeles.org/getmedia/a2820d01-54f6-4f38-a3c5-
32 81c228288b87/2017-final-caap-update](https://kentico.portoflosangeles.org/getmedia/a2820d01-54f6-4f38-a3c5-81c228288b87/2017-final-caap-update).
- 33 _____. 2022. San Pedro Bay Ports Emissions Inventory Methodology Report.
34 Version 2 – 2021. [https://www.portoflosangeles.org/environment/air-quality/air-
35 emissions-inventory](https://www.portoflosangeles.org/environment/air-quality/air-emissions-inventory).
- 36 SCAQMD (South Coast Air Quality Management District). 1993. CEQA Air
37 Quality Handbook. [http://www.aqmd.gov/home/rules-compliance/ceqa/air-
38 quality-analysis-handbook/ceqa-air-quality-handbook-\(1993\)](http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993)).
- 39 _____. 2000. Multiple Air Toxics Exposure Studies (MATES-II). Final Report.
40 <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-ii>.
- 41 _____. 2005a. Carbon Monoxide Redesignation Request and Maintenance Plan.
42 February.
43 http://www.arb.ca.gov/planning/sip/sccosip05/sccosip_redesig_mplan.pdf.
- 44 _____. 2005b. Guidance Document for Addressing Air Quality Issues in General
45 Plans and Local Planning. Chapter 2. Air Quality Issues Regarding Land Use.

- 1 May. [http://www.aqmd.gov/docs/default-source/planning/air-quality-](http://www.aqmd.gov/docs/default-source/planning/air-quality-guidance/chapter-2---air-quality-issues-regarding-land-use.pdf?sfvrsn=2)
2 [guidance/chapter-2---air-quality-issues-regarding-land-use.pdf?sfvrsn=2](http://www.aqmd.gov/docs/default-source/planning/air-quality-guidance/chapter-2---air-quality-issues-regarding-land-use.pdf?sfvrsn=2).
- 3 _____ . 2008. Localized Significance Threshold Methodology. July.
4 [http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-](http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/localized-significance-thresholds)
5 [handbook/localized-significance-thresholds](http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/localized-significance-thresholds).
- 6 _____ . 2009. South Coast AQMD Modeling Guidance for AERMOD.
7 [http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-](http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance#)
8 [guidance#](http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance#).
- 9 _____ . 2015a. MATES IV: Multiple Air Toxics Exposure Studies.
10 [http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-](http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-iv)
11 [iv](http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-iv).
- 12 _____ . 2015b. Supplemental Guidelines for Preparing Risk Assessments for the
13 Air Toxics “Hot Spots” Information and Assessment Act.
14 [http://www.aqmd.gov/docs/default-source/rule-book/Proposed-Rules/212-1401-](http://www.aqmd.gov/docs/default-source/rule-book/Proposed-Rules/212-1401-1401.1-and-1402-ab2588-supplemental-hra-guidelines-draft-3-31-2015.pdf?sfvrsn=2)
15 [1401.1-and-1402-ab2588-supplemental-hra-guidelines-draft-3-31-](http://www.aqmd.gov/docs/default-source/rule-book/Proposed-Rules/212-1401-1401.1-and-1402-ab2588-supplemental-hra-guidelines-draft-3-31-2015.pdf?sfvrsn=2)
16 [2015.pdf?sfvrsn=2](http://www.aqmd.gov/docs/default-source/rule-book/Proposed-Rules/212-1401-1401.1-and-1402-ab2588-supplemental-hra-guidelines-draft-3-31-2015.pdf?sfvrsn=2).
- 17 _____ . 2017. Final 2016 Air Quality Management Plan.
18 March. [http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-](http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/final2016aqmp.pdf?sfvrsn=15)
19 [management-plans/2016-air-quality-management-plan/final-2016-](http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/final2016aqmp.pdf?sfvrsn=15)
20 [aqmp/final2016aqmp.pdf?sfvrsn=15](http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/final2016aqmp.pdf?sfvrsn=15).
- 21 _____ . 2019. Community Emission Reduction Program, Wilmington, Carson,
22 West Long Beach. Prepared pursuant to AB 617.
23 September. [https://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-](https://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/cecp/final-ecrp-wcwlb.pdf?sfvrsn=8)
24 [committees/wilmington/cecp/final-ecrp-wcwlb.pdf?sfvrsn=8](https://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/cecp/final-ecrp-wcwlb.pdf?sfvrsn=8).
- 25 _____ . 2020. Supplemental Guidelines for Preparing Risk Assessments for the
26 Air Toxics “Hot Spots” Information and Assessment Act.
27 [http://www.aqmd.gov/docs/default-source/planning/risk-assessment/ab-2588-](http://www.aqmd.gov/docs/default-source/planning/risk-assessment/ab-2588-supplemental-guidelines.pdf)
28 [supplemental-guidelines.pdf](http://www.aqmd.gov/docs/default-source/planning/risk-assessment/ab-2588-supplemental-guidelines.pdf)
- 29 _____ . 2021. MATES V: Multiple Air Toxics Exposure Studies.
30 [http://www.aqmd.gov/docs/default-source/planning/mates-v/mates-v-final-report-](http://www.aqmd.gov/docs/default-source/planning/mates-v/mates-v-final-report-9-24-21.pdf?sfvrsn=6)
31 [9-24-21.pdf?sfvrsn=6](http://www.aqmd.gov/docs/default-source/planning/mates-v/mates-v-final-report-9-24-21.pdf?sfvrsn=6).
- 32 _____ . 2022. SCAQMD 2022 Air Quality Management Plan. December.
33 [http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-](http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2022-air-quality-management-plan/final-2022-aqmp/final-2022-aqmp.pdf?sfvrsn=16)
34 [management-plans/2022-air-quality-management-plan/final-2022-aqmp/final-](http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2022-air-quality-management-plan/final-2022-aqmp/final-2022-aqmp.pdf?sfvrsn=16)
35 [2022-aqmp.pdf?sfvrsn=16](http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2022-air-quality-management-plan/final-2022-aqmp/final-2022-aqmp.pdf?sfvrsn=16).
- 36 _____ . 2023a. South Coast AQMD Modeling Guidance for AERMOD.
37 [http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-](http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance#)
38 [guidance#](http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance#).
- 39 _____ . 2023b. South Coast AQMD Air Quality Significance Thresholds. March.
40 [south-coast-aqmd-air-quality-significance-thresholds.pdf](http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/cecp/final-ecrp-wcwlb.pdf?sfvrsn=8).
- 41 Thyssenkrupp. 2022. Personal communication between Orcem and Manufacturer.
42 October 4, 2022.
- 43 USEPA (U.S. Environmental Protection Agency). 2006. AP-42 Unpaved Roads.
44 [https://www.epa.gov/sites/default/files/2020-](https://www.epa.gov/sites/default/files/2020-10/documents/13.2.2_unpaved_roads.pdf)
45 [10/documents/13.2.2_unpaved_roads.pdf](https://www.epa.gov/sites/default/files/2020-10/documents/13.2.2_unpaved_roads.pdf)

- 1 _____ . 2009. Integrated Science Assessment (ISA) for Particulate Matter (Final
2 Report, Dec 2019). EPA/600/R-19/188, 2019.
3 <https://cfpub.epa.gov/ncea/isa/recordisplay.cfm?deid=347534>.
- 4 _____ . 2010. Median Life, Annual Activity, And Load Factor Values for
5 Nonroad Engine Emissions Modeling. July.
6 <https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockkey=P10081RV.pdf>.
- 7 _____ . 2011. AP-42: Compilation of Air Emissions Factors.
8 [https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-](https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emissions-factors)
9 [air-emissions-factors](https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emissions-factors).
- 10 _____ . 2017. Revisions to the Guideline on Air Quality Models: Enhancements
11 to the AERMOD Dispersion Modeling System and Incorporation of Approaches
12 to Address Ozone and Fine Particulate Matter. 40 CFR Part 51. January 17.
- 13 _____ . 2022a. AERMOD Modeling System version 22112.
14 [https://www.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-](https://www.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-recommended-models#aermod)
15 [recommended-models#aermod](https://www.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-recommended-models#aermod).
- 16 _____ . 2022b. NAAQS Table. [https://www.epa.gov/criteria-air-pollutants/naaqs-](https://www.epa.gov/criteria-air-pollutants/naaqs-table)
17 [table](https://www.epa.gov/criteria-air-pollutants/naaqs-table). Website accessed June 13, 2022.

18 Section 3.2 Biology

- 19 Abramson, L., S Plevka, S Hastings, and K. Bor. 2011. Reducing the threat of
20 ship strikes on large cetaceans in the Santa Barbara Channel Region and Channel
21 Islands National Marine Sanctuary: Recommendations and Case Studies. A
22 Report by the Channel Islands National Marine Sanctuary. Marine Sanctuaries
23 Conservation Series ONMS-11-1.
24 https://sanctuaries.noaa.gov/science/conservation/ship_strikes.html.
- 25 Allen, L.G. and D.J. Pondella, II. 2006. Surf Zone, Coastal Pelagic Zone, and
26 Harbors. Ch. 6 in: Allen, L.G., D.J. Pondella, II, and M.H. Horn (eds.). The
27 Ecology of Marine Fishes: California and Adjacent Waters. Univ. Calif. Press,
28 Berkeley, CA. 660 p.
- 29 Blackwell, S.B., J.W. Lawson, and M.T. Williams. 2004. Tolerance by Ringed
30 Seals (*Phoca hispida*) to Impact Pipe-Driving and Construction Sounds at an Oil
31 Production Island. The Journal of the Acoustical Society of America. Vol. 115,
32 No. 5. pp. 2346- 2357.
- 33 Calambokidis, J., G.H. Steiger, C. Curtice, J. Harrison, M.C. Ferguson, E. Becker,
34 M. DeAngelis, and S.M. VanParijs. 2015. Biologically important areas for
35 selected cetaceans within U.S. waters – West Coast region. Aquatic Mammals
36 2015 41(1): 39-53.
- 37 Caltrans (California Department of Transportation). 2020. Technical Guidance for
38 the Assessment of Hydroacoustic Effects of Pile Driving on Fish. 2020 Update.
39 Caltrans Report CTHWANP-RT-20-365.01.04. October.
- 40 Carretta, J.V., K.A. Forney, M. S. Lowry, J. Barlow, J. Baker, D. Johnston, B.
41 Hanson, R. L. Brownell Jr., J. Robbins, D. K. Mattila, K. Ralls, M. M. Muto, D.
42 Lynch, and L. Carswell. 2009. U.S. Pacific Marine Mammal Stock Assessments:
43 2008. NMFS. Southwest Fisheries Science Center. NOAA Technical
44 Memorandum NOAA-TM-NMFS-SWFCS-434.

- 1 Carretta, J.V., E.M. Oleson, K.A. Forney, M.M. Muto, D.W. Weller, A.R. Lang, J.
2 Baker, B. Hanson, A.J. Orr, J. Barlow, J.E. Moore, and R.L. Brownell. 2021. U.S.
3 Pacific Marine Mammal Stock Assessments: 2020. NOAA Technical
4 Memorandum NMFS NOAA-TM-NMFS-SWFSC-646.
- 5 CDFW (California Department of Fish and Wildlife). 2021. State & Federally
6 Listed Endangered & Threatened Animals of California. October. 31 p.
- 7 CDFW-OSPR (California Department of Fish and Wildlife, Office of Spill
8 Prevention and Response). 2021. Common Invasive Species Pathways.
9 [https://wildlife.ca.gov/OSPR/Science/Marine-Invasive-Species-](https://wildlife.ca.gov/OSPR/Science/Marine-Invasive-Species-Program/Definition)
10 [Program/Definition](https://wildlife.ca.gov/OSPR/Science/Marine-Invasive-Species-Program/Definition).
- 11 Conn, P.B. and G.K. Silber. 2013. Vessel speed restrictions reduce risk of
12 collision-related mortality for North Atlantic right whales. *Ecosphere* 4(4):43. 16
13 p.
- 14 County of Los Angeles. 2015. Los Angeles County General Plan – Chapter 9:
15 Conservation and Natural Resources Element. 2015.
16 https://planning.lacounty.gov/assets/upl/project/gp_final-general-plan-ch9.pdf.
- 17 Crear, D.P., D. Lawson, J.A. Seminoff, T. Eguchi, R.A. LaRoux, and C.G. Lowe.
18 2017. Habitat use and behavior of the east Pacific green turtle, *Chelonia mydas*, in
19 an urbanized system. *Bull. So. Calif. Acad. Sci.* 116(1).
- 20 CSLC (California State Lands Commission). 2015. Letter to Stakeholders and
21 Interested Parties. File Ref: W9777.234.
22 http://www.slc.ca.gov/Programs/MISP/AB1312Letter_15Oct15.pdf.
- 23 Dawson, E.Y., and M.S. Foster. 1982. *Seashore Plants of California*. Berkeley,
24 Los Angeles, London: University of California Press.
- 25 eGIS (Environmental & GIS Services, LLC). 2015. 2014 California Least Tern
26 Foraging Study Within The Port Of Los Angeles. Final Report. March 2015.
- 27 Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation
28 Manual. U.S. Army Corps of Engineers Wetlands Research Program Technical
29 Report Y-87-1 (on-line edition).
30 <https://usace.contentdm.oclc.org/digital/collection/p266001coll1/id/4532/>.
- 31 Erbe, C, S.A. Marley, R.P. Schoeman, J.N. Smith, L.E. Trigg, and C.B. Embling.
32 2019. The effects of ship noise on marine mammals – a review. *Front. Mar. Sci.*
33 6:606. 21 p.
- 34 Forney, K.A., J. Barlow, and J.V. Carretta. 1995. The Abundance of Cetaceans in
35 California Waters. Part II: Aerial Surveys in Winter and Spring of 1991 and 1992.
36 *Fish. Bull.* 93:15-26.
- 37 Greenman, J. 2022. WCR Vessel Collisions 2011 – 2020. Excel file. Personal
38 communication (e-mail) to T. Johnson 1/11/2022.
- 39 HEP (Harbors Environmental Projects). 1980. The Marine Environment In Los
40 Angeles and Long Beach Harbors During 1978, Marine Studies Of San Pedro
41 Bay, California Part 17. Report for City of Los Angeles Department of Public
42 Works, Port of Long Beach Division of Environmental Management, and Port of
43 Los Angeles Environmental Analysis Office. University of Southern California.
44 Office of Sea Grant and Allan Hancock Foundation, University of Southern

- 1 California. D. F. Soule and M. Oguri (Eds.).
2 <https://repository.library.noaa.gov/view/noaa/35621>.
- 3 ICF and Illingworth and Rodkin (ICF Jones & Stokes, and Illingworth & Rodkin,
4 Inc.). 2009. Technical Guidance for Assessment and Mitigation of the
5 Hydroacoustic Effects of Pile Driving on Fish. Prepared for Caltrans. Feb. 5 2009.
- 6 Jacox, M.G., Tommasi, D., Alexander, M.A., Hervieux, G. and Stock, C.A. 2019.
7 Predicting the evolution of the 2014-2016 California Current system marine
8 heatwave from an ensemble of coupled global climate forecasts. *Frontiers in*
9 *Marine Science* 6:497.
- 10 Jensen, A.S. and G.K. Silber. 2004. Large Whale Ship Strike Database. US
11 Department of Commerce, NOAA Technical Memorandum NMFS-OPR-25. 37
12 pp. <https://media.fisheries.noaa.gov/dam-migration/lwssdata.pdf>.
- 13 KBC (Keane Biological Consulting). 1997. Foraging Study of the California Least
14 Tern in the Los Angeles Harbor, 1996 Breeding Season. Final Report. Prepared
15 for Port of Los Angeles, Environmental Division.
- 16 _____. 2003. Foraging Patterns of the California Least Tern in Los Angeles.
17 Harbor, 1994-2002 Seasons. Prepared for MEC Analytical Systems, Inc. and the
18 U.S. Army Corps of Engineers, Los Angeles District. August.
- 19 _____. 2005a. Breeding Biology of the California Least Tern in Los Angeles
20 Harbor, 2004 Season. Prepared for Los Angeles Harbor Department,
21 Environmental Management Division.
- 22 _____. 2005b. Breeding Biology of the California Least Tern in Los Angeles
23 Harbor, 2005 Season. Prepared for Los Angeles Harbor Department,
24 Environmental Management Division.
- 25 _____. 2013. Breeding biology of the California least tern in the Los Angeles
26 Harbor, 2012 Season. Prepared for the Port of Los Angeles, Environmental
27 Management Division. Final Report. April 2013. 22 p. plus appendices.
- 28 Keane, K and L.J. Smith. 2016. California Least Tern Foraging Ecology in
29 Southern California: A Review of Foraging Behavior Relative to Proposed
30 Dredging Locations. U.S. Army Corps of Engineers Engineer Research and
31 Development Center Publication ERDC/EL CR-16-3. May.
- 32 Langdon Biological Consulting. 2021a. 2019 California Least Tern Foraging
33 Study Within The Port of Los Angeles. Prepared for the Los Angeles Harbor
34 Department Environmental Management Division and Wood E&IS. April.
- 35 _____. 2021b. Monitoring Report for the California Least Tern 2021 Nesting
36 Season. Prepared for the Los Angeles Harbor Department Environmental
37 Management Division. October.
- 38 LAHD (Los Angeles Harbor Department). 1997. West Basin Transportation
39 Improvement Project. Draft Environmental Report. September 1997.
- 40 _____. 2012. City Dock No. 1 Marine Research Center Project Draft
41 Environmental Impact Report, Volume I. ADP No. 100114-199. SCH No.
42 2010121013. Prepared for Los Angeles Harbor Department, Environmental
43 Management Division. Prepared by ICF Jones & Stokes. May 2012.
44 <https://www.portoflosangeles.org/environment/environmental-documents>.

- 1 _____ . 2017a. Acoustic Threshold Calculation For Marine Mammal Hearing
2 Groups Pertaining To Pile Driving Activities. Prepared for the Port of Los
3 Angeles Environmental Management Division by Pi Environmental LLC.
- 4 _____ . 2017b. Port of Los Angeles Harbor Habitat Mitigation Bank: Bank
5 Enabling Instrument and Exhibits. LAHD Environmental Management Division.
6 December.
- 7 Love, M.S., M. Yoklavich, and L. Thorsteinson. 2002. The Rockfishes of the
8 Northeast Pacific. Univ. Calif. Press, Berkeley, CA. 404 p.
- 9 MBC (MBC Applied Environmental Sciences). 2016. 2013-2014 Biological
10 Surveys of Long Beach and Los Angeles Harbors. In association with: Merkel &
11 Associates. Prepared for the Ports of Long Beach and Los Angeles. 1 June 2016.
12 305 p. plus appendices.
- 13 MEC (MEC Analytical Systems, Inc.). 1988. Biological Baseline and Ecological
14 Evaluation of Existing Habitats in Los Angeles Harbor and Adjacent Waters.
15 Final Report. Prepared for Port of Los Angeles.
- 16 MEC and Associates. 2002. Ports of Long Beach and Los Angeles Year 2000
17 Biological Baseline Study of San Pedro Bay. Prepared for Port of Long Beach and
18 Port of Los Angeles.
- 19 Miller, D. J. and R. N. Lea. 1972. Guide to the coastal marine fishes of California.
20 Calif. Dept. Fish and Game Fish Bull. 157. 249 p.
- 21 NOAA Fisheries (National Oceanic and Atmospheric Administration National
22 Marine Fisheries. 2012. Endangered and Threatened Species: Final Rule To
23 Revise the Critical Habitat Designation for the Endangered Leatherback Sea
24 Turtle. Federal Register / Vol. 77, No. 17 / Thursday, January 26, 2012 / Rules
25 and Regulations.
- 26 _____ . 2018. 2018 Revision to: Technical Guidance for Assessing the Effects of
27 Anthropogenic Sound on Marine Mammal Hearing (Version 2.0). NOAA
28 Technical Memorandum NMFS-OPR-59 April.
29 [https://media.fisheries.noaa.gov/dam-](https://media.fisheries.noaa.gov/dam-migration/tech_memo_acoustic_guidance_%2820%29_%28pdf%29_508.pdf)
30 [migration/tech_memo_acoustic_guidance_%2820%29_%28pdf%29_508.pdf](https://media.fisheries.noaa.gov/dam-migration/tech_memo_acoustic_guidance_%2820%29_%28pdf%29_508.pdf).
- 31 _____ . 2021a. Green Sea Turtle. [https://www.fisheries.noaa.gov/species/green-](https://www.fisheries.noaa.gov/species/green-turtle)
32 [turtle](https://www.fisheries.noaa.gov/species/green-turtle).
- 33 _____ . 2021b. Marine Mammals on the West Coast – Species Information.
34 [https://www.fisheries.noaa.gov/west-coast/marine-mammal-protection/marine-](https://www.fisheries.noaa.gov/west-coast/marine-mammal-protection/marine-mammals-west-coast#species-information)
35 [mammals-west-coast#species-information](https://www.fisheries.noaa.gov/west-coast/marine-mammal-protection/marine-mammals-west-coast#species-information).
- 36 NOAA Fisheries and CDFW (National Oceanic and Atmospheric Administration
37 National Marine Fisheries Service and California Department of Fish and
38 Wildlife). 2021. Caulerpa Control Protocol. Version 5. October 20.
39 <https://media.fisheries.noaa.gov/2021-12/caulerpa-control-protocol-v5.pdf>.
- 40 NOAA Fisheries and USFWS (National Oceanic and Atmospheric Administration
41 National Marine Fisheries Service and U.S. Fish and Wildlife Service). 1998a.
42 Recovery Plan for U.S. Pacific Populations of the Loggerhead Turtle (*Caretta*
43 *caretta*). Silver Spring, Maryland, NOAA Fisheries.
- 44 _____ . 1998b. Recovery Plan for U.S. Pacific Populations of the Olive Ridley
45 Turtle (*Lepidochelys olivacea*). Silver Spring, Maryland, NOAA Fisheries.

- 1 _____ . 1998c. Recovery Plan for U.S. Pacific Populations of the Leatherback
2 Turtle (*Dermochelys coriacea*). Silver Spring, Maryland, NOAA Fisheries.
- 3 _____ 1998d. Recovery Plan for U.S. Pacific Populations of the East Pacific
4 Green Turtle (*Chelonia mydas*). Silver Spring, Maryland, NOAA Fisheries.
- 5 NOAA Marine Sanctuaries (National Oceanic and Atmospheric Administration
6 National Marine Sanctuaries). 2021. Whale Conservation. Website, Office of
7 National Marine Sanctuaries, NOAA. <https://farallones.noaa.gov/eco/whales/>.
- 8 PFMC (Pacific Fishery Management Council). 2016. Coastal Pelagic Species
9 Fishery Management Plan as Amended through Amendment 15. February. 49 p.
10 plus appendices.
- 11 _____ . 2020. Pacific Coast Groundfish Fishery Management Plan: For the
12 California, Oregon, and Washington Groundfish Fishery. August. 145 p. plus
13 appendices.
- 14 Port of Long Beach and Caltrans (Port of Long Beach and California Department
15 of Transportation). 2010. Final Gerald Desmond Bridge Replacement Project.
16 Environmental Impact Assessment and Application Summary Report. Section 2.3
17 Biological Environment. July.
- 18 Redfern, J.V., T.J. Moore, E.A. Becker, J. Calambokidis, S.P. Hastings, L.M.
19 Irvine, B.R. Mate, and D.J. Palacios. 2019. Evaluating stakeholder-derived
20 strategies to reduce the risk of ships striking whales. *Diversity and Distributions*
21 25:1575-1585.
- 22 Rockwood, R.C., J. Calambokidis, and J. Jahnke. 2017. High mortality of blue,
23 humpback, and fin whales from modeling of vessel collisions on the U.S. West
24 Coast suggests population impacts and insufficient protection. *PLOS ONE* 12(8).
25 24 p.
- 26 SAIC (Science Applications International Corporation). 2010. Final 2008
27 Biological Surveys of Los Angeles and Long Beach Harbors. In Association with
28 Seaventures, Keane Biological Consulting, Tenera Environmental, ECORP
29 Consulting Inc., and Tierra Data Inc. April.
- 30 Schoeman, R.P., C. Patterson-Abrolat, and S. Plon. 2020. A global review of
31 vessel collisions with marine mammals. *Frontiers in Marine Science* 7(292), 25
32 pp.
- 33 Tetra Tech, Inc. 2011. Final Baseline Hydroacoustic Survey Report, Commodore
34 Schuyler F. Heim Bridge Demolition and Replacement Project. Prepared for the
35 Alameda Corridor Transportation Authority. May 5.
- 36 USEPA and USACE (U.S. Environmental Protection Agency and U.S. Army
37 Corps of Engineers). 2011. Site Management & Monitoring Plan for Three
38 Southern California Ocean Dredged Material Disposal Sites: LA-2, LA-3, and
39 LA-5. Prepared by USEPA Region IX and US Army Corps of Engineers, Los
40 Angeles District. Updated January 2011.
- 41 USACE and LAHD (U.S. Army Corps of Engineers and Los Angeles Harbor
42 Department). 1992. Deep Draft Navigation Improvements, Los Angeles and Long
43 Beach Harbors, San Pedro Bay, California - Final Environmental Impact
44 Statement/Report.

- 1 _____ . 1999. Pier 400 Container Terminal and Transportation Corridor Project.
2 Final Environmental Impact Statement/Report.
- 3 USFWS (U.S. Fish and Wildlife Service). 1992. Biological Opinion on Los
4 Angeles Harbor Development Project (1-6-92-F-25).
- 5 _____ . 2021. Birds of Conservation Concern 2021. Migratory Bird Program.
6 [https://www.fws.gov/migratorybirds/pdf/management/birds-of-conservation-](https://www.fws.gov/migratorybirds/pdf/management/birds-of-conservation-concern-2021.pdf)
7 [concern-2021.pdf](https://www.fws.gov/migratorybirds/pdf/management/birds-of-conservation-concern-2021.pdf).
- 8 Vanderlaan, A. and C.T. Taggart. 2007. Vessel Collisions With Whales: The
9 Probability Of Lethal Injury Based On Vessel Speed. *Marine Mammal Science*
10 23(1): 144-156.
- 11 WSDOT (Washington State Department of Transportation). 2015. Compendium
12 of Background Sound Levels for Ferry Terminals in Puget Sound. WSF
13 Underwater Background Monitoring Project. Prepared by J. Laughlin. May.
14 [https://wsdot.wa.gov/sites/default/files/2021-10/Env-Noise-MonRpt-](https://wsdot.wa.gov/sites/default/files/2021-10/Env-Noise-MonRpt-WSFBackgroundSoundLevels.pdf)
15 [WSFBackgroundSoundLevels.pdf](https://wsdot.wa.gov/sites/default/files/2021-10/Env-Noise-MonRpt-WSFBackgroundSoundLevels.pdf).
- 16 Weston Solutions. 2013. Anchorage Road Wetland Habitat Mitigation: Interim
17 Report. Prepared for Port of Los Angeles Environmental Management Division.
18 April 2013. 19 p. plus appendices.
- 19 Wolf, P., P.E. Smith, and D.R. Bergen. 2001. Pacific Sardine. In: California's
20 Living Marine Resources: A Status Report. W.S. Leet, C.M. DeWees, R.
21 Klingbeil, and E.J. Larson, eds. Calif. Dept. of Fish and Game, Univ. Calif.
22 *Agricul. Nat. Res. Pub. SG01-11*.
- 23 Wood E&IS (Wood Environment & Infrastructure Solutions, Inc.). 2021. 2018
24 Biological Surveys of the Los Angeles and Long Beach Harbors. Prepared for Port
25 of Los Angeles (Agreement #: 17-3509), Port of Long Beach (Contract #: HD-
26 8803). April.

27 **Section 3.3 Energy**

- 28 California Gas and Electric Utilities. 2021. 2021 Supplemental California Gas
29 Report.
30 [https://www.socalgas.com/sites/default/files/2021_California_Gas_Report_Supple-](https://www.socalgas.com/sites/default/files/2021_California_Gas_Report_Supplement.pdf)
31 [ment.pdf](https://www.socalgas.com/sites/default/files/2021_California_Gas_Report_Supplement.pdf).
- 32 CARB (California Air Resources Board). 2020. Mobile Source Strategy. 2020
33 Mobile Source Strategy (ca.gov)
- 34 CBE (California State Board of Equalization). 2022a. Fuel Taxes Statistics &
35 Reports. January 2022 – Motor Vehicle Fuel 10 Year Reports.
36 [https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.ca.gov%2Ftaxes-and-fees%2FMVF-10-Year-Report.xlsx&wdOrigin=BROWSELINK)
37 [ca.gov%2Ftaxes-and-fees%2FMVF-10-Year-](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.ca.gov%2Ftaxes-and-fees%2FMVF-10-Year-Report.xlsx&wdOrigin=BROWSELINK)
38 [Report.xlsx&wdOrigin=BROWSELINK](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.ca.gov%2Ftaxes-and-fees%2FMVF-10-Year-Report.xlsx&wdOrigin=BROWSELINK).
- 39 _____ . 2022b. Fuel Taxes Statistics & Reports. Taxable Diesel Gallons 10-Year
40 Report
41 [https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.ca.gov%2Ftaxes-and-fees%2FDiesel-10-Year-Report.xlsx&wdOrigin=BROWSELINK)
42 [ca.gov%2Ftaxes-and-fees%2FDiesel-10-Year-](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.ca.gov%2Ftaxes-and-fees%2FDiesel-10-Year-Report.xlsx&wdOrigin=BROWSELINK)
43 [Report.xlsx&wdOrigin=BROWSELINK](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.ca.gov%2Ftaxes-and-fees%2FDiesel-10-Year-Report.xlsx&wdOrigin=BROWSELINK).

- 1 CEC (California Energy Commission). 2018. Revised Transportation Energy
2 Demand Forecast, 2018-2030. Publication Number: CEC-200-2018-003.
3 <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=17-IEPR-05>.
- 4 CEC. 2019. Supply and Demand of Natural Gas in California.
5 [https://www.energy.ca.gov/data-reports/energy-almanac/californias-natural-gas-](https://www.energy.ca.gov/data-reports/energy-almanac/californias-natural-gas-market/supply-and-demand-natural-gas-california)
6 [market/supply-and-demand-natural-gas-california](https://www.energy.ca.gov/data-reports/energy-almanac/californias-natural-gas-market/supply-and-demand-natural-gas-california).
- 7 _____ . 2020. Final 2019 Integrated Energy Policy Report. CEC-100-2019-001-
8 CMF. [https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-](https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2019-integrated-energy-policy-report)
9 [report/2019-integrated-energy-policy-report](https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2019-integrated-energy-policy-report).
- 10 _____ . 2021. 2019 Total System Electric Generation .
11 [https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-](https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/2020-total-system-electric-generation/2019)
12 [data/2020-total-system-electric-generation/2019](https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/2020-total-system-electric-generation/2019).
- 13 _____ . 2022a. Energy Reports: Electricity Consumption by Entity.
14 <http://www.ecdms.energy.ca.gov/elecbyutil.aspx>.
- 15 _____ . 2022b. What Drives California’s Gasoline Prices?
16 [https://www.energy.ca.gov/data-reports/energy-insights/what-drives-californias-](https://www.energy.ca.gov/data-reports/energy-insights/what-drives-californias-gasoline-prices#:~:text=California%20Consumption,38%20million%20gallons%20per%20day)
17 [gasoline-](https://www.energy.ca.gov/data-reports/energy-insights/what-drives-californias-gasoline-prices#:~:text=California%20Consumption,38%20million%20gallons%20per%20day)
18 [prices#:~:text=California%20Consumption,38%20million%20gallons%20per%20](https://www.energy.ca.gov/data-reports/energy-insights/what-drives-californias-gasoline-prices#:~:text=California%20Consumption,38%20million%20gallons%20per%20day)
19 [day](https://www.energy.ca.gov/data-reports/energy-insights/what-drives-californias-gasoline-prices#:~:text=California%20Consumption,38%20million%20gallons%20per%20day).
- 20 _____ . 2022c. California Retail Fuel Outlet Annual Reporting (CEC-A15)
21 Results. [https://www.energy.ca.gov/data-reports/energy-almanac/transportation-](https://www.energy.ca.gov/data-reports/energy-almanac/transportation-energy/california-retail-fuel-outlet-annual-reporting)
22 [energy/california-retail-fuel-outlet-annual-reporting](https://www.energy.ca.gov/data-reports/energy-almanac/transportation-energy/california-retail-fuel-outlet-annual-reporting).
- 23 _____ . 2023. Supply and Demand of Natural Gas in California.
24 [https://www.energy.ca.gov/data-reports/energy-almanac/californias-natural-gas-](https://www.energy.ca.gov/data-reports/energy-almanac/californias-natural-gas-market/supply-and-demand-natural-gas-california)
25 [market/supply-and-demand-natural-gas-california](https://www.energy.ca.gov/data-reports/energy-almanac/californias-natural-gas-market/supply-and-demand-natural-gas-california).
- 26 City of Los Angeles. 2019. LA’s Green New Deal Sustainable City pLAN.
27 <https://plan.lamayor.org/>.
- 28 Ecocem. 2023a. Energy Calculation – Cement vs GGBFS. Email communication
29 with Clive Moutray. January 19, 2023.
- 30 _____ . 2023b. Ecocem GGBFS Technical Data Sheet. Accessed online June
31 2023. Available at [https://www.ecocemglobal.com/en-ie/products-](https://www.ecocemglobal.com/en-ie/products-projects/ecocem-ggbs/?download=MTMxOTg=)
32 [projects/ecocem-ggbs/?download=MTMxOTg=](https://www.ecocemglobal.com/en-ie/products-projects/ecocem-ggbs/?download=MTMxOTg=).
- 33 LADWP (Los Angeles Department of Water and Power). 2022a. Strategic Long-
34 Term Resource Plan. [https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-](https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-integratedresourceplanning?_afLoop=1967828139057441&_afWindowMode=0&_afWindowId=null#%40%3F_afWindowId%3Dnull%26_afLoop%3D1967828139057441%26_afWindowMode%3D0%26_adf.ctrl-state%3D74ipm9hj2_30)
35 [power/a-p-](https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-integratedresourceplanning?_afLoop=1967828139057441&_afWindowMode=0&_afWindowId=null#%40%3F_afWindowId%3Dnull%26_afLoop%3D1967828139057441%26_afWindowMode%3D0%26_adf.ctrl-state%3D74ipm9hj2_30)
36 [integratedresourceplanning?_afLoop=1967828139057441&_afWindowMode=0](https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-integratedresourceplanning?_afLoop=1967828139057441&_afWindowMode=0&_afWindowId=null#%40%3F_afWindowId%3Dnull%26_afLoop%3D1967828139057441%26_afWindowMode%3D0%26_adf.ctrl-state%3D74ipm9hj2_30)
37 [&_afWindowId=null#%40%3F_afWindowId%3Dnull%26_afLoop%3D196782](https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-integratedresourceplanning?_afLoop=1967828139057441&_afWindowMode=0&_afWindowId=null#%40%3F_afWindowId%3Dnull%26_afLoop%3D1967828139057441%26_afWindowMode%3D0%26_adf.ctrl-state%3D74ipm9hj2_30)
38 [8139057441%26_afWindowMode%3D0%26_adf.ctrl-state%3D74ipm9hj2_30](https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-integratedresourceplanning?_afLoop=1967828139057441&_afWindowMode=0&_afWindowId=null#%40%3F_afWindowId%3Dnull%26_afLoop%3D1967828139057441%26_afWindowMode%3D0%26_adf.ctrl-state%3D74ipm9hj2_30).
- 39 _____ . 2022b. Power Facts and Figures.
40 [https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-](https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-factandfigures?_adf.ctrl-state=an9w7bv2c_4&_afLoop=648476746240207)
41 [factandfigures?_adf.ctrl-state=an9w7bv2c_4&_afLoop=648476746240207](https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-factandfigures?_adf.ctrl-state=an9w7bv2c_4&_afLoop=648476746240207).
- 42 LAHD (Los Angeles Harbor Department). 2009. Sustainable Construction
43 Guidelines for Reducing Air Emissions.
- 44 _____ . 2022. Port of Los Angeles Inventory of Air Emissions. Technical Report.
45 Prepared by Starcrest Consulting Group. September.

1 [https://kentico.portoflosangeles.org/getmedia/f26839cd-54cd-4da9-92b7-](https://kentico.portoflosangeles.org/getmedia/f26839cd-54cd-4da9-92b7-a34094ee75a8/2021_Air_Emissions_Inventory)
2 [a34094ee75a8/2021_Air_Emissions_Inventory](https://kentico.portoflosangeles.org/getmedia/f26839cd-54cd-4da9-92b7-a34094ee75a8/2021_Air_Emissions_Inventory).

3 **Section 3.4 Geology & Soils**

4 CDMG (California Department of Conservation, Division of Mines and Geology).
5 1998. Seismic Hazard Zone Report for the Torrance 7.5-Minute Quadrangle, Los
6 Angeles County, California: Seismic Hazard Zone Report 035.

7 CGS (California Geological Survey). 2015. Fault Activity Map of California.
8 Department of Conservation website. <https://maps.conservation.ca.gov/cgs/fam/>.

9 Field, E.H., et al. (2013) Uniform California Earthquake Rupture Forecast,
10 Version 3 (UCERF3): The Time-Independent Model. U.S. Geol. Survey Open
11 File Report 2013-1165, 97 p. <https://doi.org/10.3133/ofr20131165>.

12 Geosyntec. 2022. Geotechnical Report. Bulk Handling and Processing Facility at
13 the Port of Los Angeles Wilmington, California. Geosyntec Consultants. Draft.
14 October.

15 Hart and Bryant. 1997. Fault-Rupture Hazard zones in California, Alquist-Priolo
16 Earthquake Fault Zoning Act with Index to Earthquake Fault Zone Maps,
17 Publication 49.

18 ICBO (International Conference of Building Officials). 1994. Uniform Building
19 Code. Volume I. Administrative, Fire- and Life-Safety, and Field Inspection
20 Provisions. <https://archive.org/details/uniformbuildingc00inte>.

21 Yerkes, R. F., T. H. McCulloh, J. E. Schoellhamer, and J. G. Vedder. 1965.
22 Geology of the Los Angeles Basin California -- An Introduction. Geological
23 Survey Professional Paper 420-A. United States Government Printing Office,
24 Washington. <https://pubs.usgs.gov/pp/0420a/report.pdf>.

25 WGCEP (Working Group on California Earthquake Probabilities). 2015.
26 UCERF3: A New Earthquake Forecast for California's Complex Fault System.
27 <https://pubs.usgs.gov/fs/2015/3009/pdf/fs2015-3009.pdf>.

28 **Section 3.5 Greenhouse Gas Emissions**

29 California Legislative Information. 2021. SB-596 Greenhouse gases: Cement
30 sector: net-zero emissions strategy.
31 [https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=20210220SB](https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=20210220SB596)
32 [596](https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=20210220SB596).

33 CAPCOA (California Air Pollution Control Officers Association). 2008.
34 Evaluating and Addressing Greenhouse Gas Emissions from Projects Subject to
35 the California Environmental Quality Act. January.
36 [https://files.ceqanet.opr.ca.gov/123569-](https://files.ceqanet.opr.ca.gov/123569-2/attachment/Dc_XNpc6BioI9y9det7vnwYYflp48EkdOXGXjh0rsuMLhAoIIItI1OQ55_az23JpgFJv4UIcah2Fuf0m0)
37 [2/attachment/Dc_XNpc6BioI9y9det7vnwYYflp48EkdOXGXjh0rsuMLhAoIIItI1](https://files.ceqanet.opr.ca.gov/123569-2/attachment/Dc_XNpc6BioI9y9det7vnwYYflp48EkdOXGXjh0rsuMLhAoIIItI1OQ55_az23JpgFJv4UIcah2Fuf0m0)
38 [OQ55_az23JpgFJv4UIcah2Fuf0m0](https://files.ceqanet.opr.ca.gov/123569-2/attachment/Dc_XNpc6BioI9y9det7vnwYYflp48EkdOXGXjh0rsuMLhAoIIItI1OQ55_az23JpgFJv4UIcah2Fuf0m0).

39 CARB (California Air Resources Board). 2009a. Climate Change Scoping Plan: A
40 Framework for Change, published December 2008, amended version included
41 errata and Board requested modifications posted May 11, 2009.
42 [https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/document/adopte](https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/document/adopted_scoping_plan.pdf)
43 [d_scoping_plan.pdf](https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/document/adopted_scoping_plan.pdf).

- 1 _____ . 2009b. Climate Change Scoping Plan Appendices. Volume I: Supporting
2 Documents and Measure Detail, published December 2008, amended version
3 included errata and Board requested modifications posted May 11, 2009.
4 https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/document/appendices_volume1.pdf.
5
- 6 _____ . 2017. California’s 2017 Climate Change Scoping Plan. November.
7 <https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2017-scoping-plan-documents>.
8
- 9 _____ . 2021a. California Greenhouse Gas Emissions for 2000 to 2019: Trends of
10 Emissions and Other Indicators.
11 https://ww2.arb.ca.gov/sites/default/files/classic/cc/inventory/2000_2019_ghg_inventory_trends_04-01.pdf.
12
- 13 _____ . 2021b. EMFAC2021. Mobile Source Emission Inventory. Available at
14 [https://arb.ca.gov/emfac/emissions-](https://arb.ca.gov/emfac/emissions-inventory/2b238129718aa8f82ce1c9fe9ad1984b86be258d)
15 [inventory/2b238129718aa8f82ce1c9fe9ad1984b86be258d](https://arb.ca.gov/emfac/emissions-inventory/2b238129718aa8f82ce1c9fe9ad1984b86be258d).
- 16 _____ . 2022. Final 2022 Scoping Plan Update and Appendices. December.
17 Available at: <https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2022-scoping-plan-documents>.
18
- 19 _____ . 2023a. Final Regulation Order: Advanced Clean Trucks Regulation.
20 <https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2019/act2019/fro2.pdf>.
- 21 _____ . 2023b. Advanced Clean Trucks Fact Sheet.
22 <https://ww2.arb.ca.gov/resources/fact-sheets/advanced-clean-trucks-fact-sheet>.
- 23 CEC (California Energy Commission). 2023. Cal-Adapt. Local Climate Change
24 Snapshot. Data for census tract 6037980031. [https://cal-adapt.org/tools/local-](https://cal-adapt.org/tools/local-climate-change-snapshot/)
25 [climate-change-snapshot/](https://cal-adapt.org/tools/local-climate-change-snapshot/).
- 26 City of Los Angeles. 2007. Green LA: An Action Plan to Lead the Nation in
27 Fighting Global Warming. May. [https://www.dtsc-](https://www.dtsc-ssfl.com/files/lib_ceqa/ref_draft_peir/Chap4_6-GrnhouseGas/68342_LA_2007_-_greenla_cap_2007.pdf)
28 [ssfl.com/files/lib_ceqa/ref_draft_peir/Chap4_6-GrnhouseGas/68342_LA_2007_](https://www.dtsc-ssfl.com/files/lib_ceqa/ref_draft_peir/Chap4_6-GrnhouseGas/68342_LA_2007_-_greenla_cap_2007.pdf)
29 [_greenla_cap_2007.pdf](https://www.dtsc-ssfl.com/files/lib_ceqa/ref_draft_peir/Chap4_6-GrnhouseGas/68342_LA_2007_-_greenla_cap_2007.pdf).
- 30 _____ . 2015. The Sustainable City pLAn. April.
31 https://plan.lamayor.org/background/background_plan.html.
- 32 _____ . 2016. Mobility Plan 2035. An Element of the General Plan. Los Angeles
33 Department of City Planning. Council File No. 15-0719-S15.
- 34 Ellis, L.D., A.F. Badel, M.L. Chiang, R. J-Y Park, and Y-M. Chiang. 2020.
35 Toward electrochemical synthesis of cement – An electrolyzer-based process for
36 decarbonizing CaCO₃ while producing useful gas streams. PNAS 117(23): 12584-
37 12591.
- 38 Gagnon, Pieter, Maxwell Brown, Dan Steinberg, Patrick Brown, Sarah Awara,
39 Vincent Carag, Stuart Cohen, Wesley Cole, Jonathan Ho, Sarah Inskeep, Nate
40 Lee, Trieu Mai, Matthew Mowers, Caitlin Murphy, Brian Sergi (2022). 2022
41 Standard Scenarios Report: A U.S. Electricity Sector Outlook. National
42 Renewable Energy Laboratory. NREL/TP-6A40-84327.
43 <https://www.nrel.gov/docs/fy23osti/84327.pdf>.
- 44 Garcetti (Mayor Eric Garcetti) . 2019. Sustainable City pLAn: LA’s Green New
45 Deal Sustainable City pLAn. <https://plan.lamayor.org/>.

- 1 Governor Jerry Brown. 2016. California Sustainable Freight Action Plan 2016.
2 July. [https://ww2.arb.ca.gov/sites/default/files/2019-](https://ww2.arb.ca.gov/sites/default/files/2019-10/CSFAP_FINAL_07272016.pdf)
3 [10/CSFAP_FINAL_07272016.pdf](https://ww2.arb.ca.gov/sites/default/files/2019-10/CSFAP_FINAL_07272016.pdf).
- 4 IPCC (Intergovernmental Panel on Climate Change). 2013. Summary for
5 Policymakers. In: Climate Change 2013: The Physical Science Basis. Contribution
6 of Working Group I to the Fifth Assessment Report of the Intergovernmental
7 Panel on Climate Change [Stocker, T.F., D. Qin, G.-K. Plattner, M. Tignor, S.K.
8 Allen, J. Boschung, A.Nauels, Y. Xia, V. Bex and P.M. Midgley (eds.)].
9 Cambridge University Press, Cambridge, United Kingdom and New York, NY,
10 USA. [https://www.ipcc.ch/pdf/assessment-](https://www.ipcc.ch/pdf/assessment-report/ar5/wg1/WG1AR5_SPM_FINAL.pdf)
11 [report/ar5/wg1/WG1AR5_SPM_FINAL.pdf](https://www.ipcc.ch/pdf/assessment-report/ar5/wg1/WG1AR5_SPM_FINAL.pdf).
- 12 _____ . 2014. Summary for Policymakers. In: Climate Change 2014: Synthesis
13 Report. Contribution of Working Groups I, II, and III to the Fifth Assessment
14 Report of the Intergovernmental Panel on Climate Change [Core Writing Team,
15 R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland, 151 pp.
16 https://www.ipcc.ch/pdf/assessment-report/ar5/syr/AR5_SYR_FINAL_SPM.pdf.
- 17 _____ . 2021. Climate Change 2021: The Physical Science Basis. Contribution of
18 Working Group I to the Sixth Assessment Report of the Intergovernmental Panel
19 on Climate Change [Masson-Delmotte, V., P. Zhai, A. Pirani, S.L. Connors, C.
20 Péan, S. Berger, N. Caud, Y. Chen, L. Goldfarb, M.I. Gomis, M. Huang, K.
21 Leitzell, E. Lonnoy, J.B.R. Matthews, T.K. Maycock, T. Waterfield, O. Yelekçi,
22 R. Yu, and B. Zhou (eds.)]. Cambridge University Press, Cambridge, United
23 Kingdom and New York, NY, USA, 2391 pp.
24 https://report.ipcc.ch/ar6/wg1/IPCC_AR6_WGI_FullReport.pdf.
- 25 _____ . 2023. Synthesis Report of the IPCC Sixth Assessment Report
26 (AR6):Longer Report [Core Writing Team, H. Lee, K. Calvin (eds.)]. IPCC,
27 Geneva, Switzerland, 85 pp.
28 https://report.ipcc.ch/ar6syr/pdf/IPCC_AR6_SYR_LongerReport.pdf.
- 29 LADWP (Los Angeles Department of Water and Power). 2022. Power Facts and
30 Figures. [https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-](https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-factandfigures?_adf.ctrl-state=an9w7bv2c_4&_afzLoop=648476746240207)
31 [factandfigures?_adf.ctrl-state=an9w7bv2c_4&_afzLoop=648476746240207](https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-factandfigures?_adf.ctrl-state=an9w7bv2c_4&_afzLoop=648476746240207).
- 32 LAHD (Los Angeles Harbor Department). 2009. Port of Los Angeles Sustainable
33 Construction Guidelines. November.
- 34 _____ . 2014. Actions to Reduce Greenhouse Gas Emissions by 2050.
35 Environmental Management Division. September.
36 [https://kentico.portoflosangeles.org/getmedia/e8a18593-9e64-40fc-b13c-](https://kentico.portoflosangeles.org/getmedia/e8a18593-9e64-40fc-b13c-2203899b02bb/pv_final_pola_ghg_assessment_sept_2014)
37 [2203899b02bb/pv_final_pola_ghg_assessment_sept_2014](https://kentico.portoflosangeles.org/getmedia/e8a18593-9e64-40fc-b13c-2203899b02bb/pv_final_pola_ghg_assessment_sept_2014).
- 38 _____ . 2018. Port of Los Angeles Sea Level Rise Adaptation Study. Final Draft.
39 September. [https://kentico.portoflosangeles.org/getmedia/29acdb3a-c9a1-4e9c-](https://kentico.portoflosangeles.org/getmedia/29acdb3a-c9a1-4e9c-a233-0a4e74438a3c/2018_Sea_Level_Rise_Adaptation_Study)
40 [a233-0a4e74438a3c/2018_Sea_Level_Rise_Adaptation_Study](https://kentico.portoflosangeles.org/getmedia/29acdb3a-c9a1-4e9c-a233-0a4e74438a3c/2018_Sea_Level_Rise_Adaptation_Study).
- 41 _____ . 2022. Port of Los Angeles, Studies and Reports:
42 http://www.portoflosangeles.org/environment/studies_reports.asp.
- 43 NOAA (National Atmospheric & Oceanographic Administration). 2022a. Increase
44 in atmospheric methane set another record during 2021.
45 [https://www.noaa.gov/news-release/increase-in-atmospheric-methane-set-another-](https://www.noaa.gov/news-release/increase-in-atmospheric-methane-set-another-record-during-)
46 [record-during-](https://www.noaa.gov/news-release/increase-in-atmospheric-methane-set-another-record-during-)

- 1 Attachment E. October. [http://www.aqmd.gov/docs/default-](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgattachmente.pdf?sfvrsn=2)
2 [source/ceqa/handbook/greenhouse-gases-\(ghg\)-ceqa-significance-](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgattachmente.pdf?sfvrsn=2)
3 [thresholds/ghgattachmente.pdf?sfvrsn=2](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgattachmente.pdf?sfvrsn=2).
- 4 _____ . 2017a. SCAQMD 400-CEQA Greenhouse Gas Estimator.
5 [https://www.aqmd.gov/docs/default-source/permitting/ceqa-2017/ghg-estimator-](https://www.aqmd.gov/docs/default-source/permitting/ceqa-2017/ghg-estimator-(2017-11).xlsx?sfvrsn=8)
6 [\(2017-11\).xlsx?sfvrsn=8](https://www.aqmd.gov/docs/default-source/permitting/ceqa-2017/ghg-estimator-(2017-11).xlsx?sfvrsn=8).
- 7 _____ . 2017b. Tesoro Los Angeles Refinery Integration and Compliance. Project
8 Final Environmental Impact Report. [http://www.aqmd.gov/docs/default-](http://www.aqmd.gov/docs/default-source/ceqa/documents/permit-projects/2017/tesorolaric/tesoro_feir.pdf)
9 [source/ceqa/documents/permit-projects/2017/tesorolaric/tesoro_feir.pdf](http://www.aqmd.gov/docs/default-source/ceqa/documents/permit-projects/2017/tesorolaric/tesoro_feir.pdf).
- 10 SPBP (San Pedro Bay Port). 2022. San Pedro Bay Ports Emissions Inventory
11 Methodology Report. [https://kentico.portoflosangeles.org/getmedia/ad5ec383-](https://kentico.portoflosangeles.org/getmedia/ad5ec383-8dc6-4652-ae0d-81b6ea4c7819/SPBP_Emissions_Inventory_Methodology_v3a)
12 [8dc6-4652-ae0d-81b6ea4c7819/SPBP_Emissions_Inventory_Methodology_v3a](https://kentico.portoflosangeles.org/getmedia/ad5ec383-8dc6-4652-ae0d-81b6ea4c7819/SPBP_Emissions_Inventory_Methodology_v3a).
- 13 Sweet, W.V., B.D. Hamlington, R.E. Kopp, C.P. Weaver, P.L. Barnard, D.
14 Bekaert, W. Brooks, M. Craghan, G. Dusek, T. Frederikse, G. Garner, A.S. Genz,
15 J.P. Krasting, E. Larour, D. Marcy, J.J. Marra, J. Obeysekera, M. Osler, M.
16 Pendleton, D. Roman, L. Schmied, W. Veatch, K.D. White, and C. Zuzak. 2022.
17 Global and Regional Sea Level Rise Scenarios for the United States: Updated
18 Mean Projections and Extreme Water Level Probabilities Along U.S. Coastlines.
19 NOAA Technical Report NOS 01. National Oceanic and Atmospheric
20 Administration, National Ocean Service, Silver Spring, MD, 111 pp.
21 [https://oceanservice.noaa.gov/hazards/sealevelrise/noaa-nos-techrpt01-global-](https://oceanservice.noaa.gov/hazards/sealevelrise/noaa-nos-techrpt01-global-regional-SLR-scenarios-US.pdf)
22 [regional-SLR-scenarios-US.pdf](https://oceanservice.noaa.gov/hazards/sealevelrise/noaa-nos-techrpt01-global-regional-SLR-scenarios-US.pdf).
- 23 The Climate Registry. 2016 Climate Registry Default Emission Factors. April.
24 [https://docslib.org/doc/12502355/is-pleased-to-present-the-updated-default-](https://docslib.org/doc/12502355/is-pleased-to-present-the-updated-default-emission-factors-for-2016)
25 [emission-factors-for-2016](https://docslib.org/doc/12502355/is-pleased-to-present-the-updated-default-emission-factors-for-2016).
- 26 United Nations, 1998. Kyoto Protocol To The United Nations Framework
27 Convention On Climate Change.
28 <http://unfccc.int/resource/docs/convkp/kpeng.pdf>.
- 29 USEPA (United States Environmental Protection Agency). 2009. U.S.
30 Environmental Protection Agency. Endangerment and Cause or Contribute
31 Findings for Greenhouse Gases under Section 202(a) of the Clean Air Act.
- 32 _____ . 2012. United States Environmental Protection Agency and NHTSA
33 Standards to Reduce Greenhouse Gases and Improve Fuel Economy for Model
34 Years 2017-2025 Cars and Light Trucks. EPA-420-F-12-051. August.
35 <https://nepis.epa.gov/Exe/ZyPDF.cgi/P100EZ7C.PDF?Dockey=P100EZ7C.PDF>.
- 36 _____ . 2022. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-
37 2020. U.S. Environmental Protection Agency, EPA 430-R-22-003.
38 [https://www.epa.gov/system/files/documents/2022-04/us-ghg-inventory-2022-](https://www.epa.gov/system/files/documents/2022-04/us-ghg-inventory-2022-main-text.pdf)
39 [main-text.pdf](https://www.epa.gov/system/files/documents/2022-04/us-ghg-inventory-2022-main-text.pdf).
- 40 _____ . 2023. eGrid Power Profiler. Electricity emission factors data for 2021.
41 Available at <https://www.epa.gov/egrid/power-profiler#/CAMX>.
- 42 USGS (United States Geological Survey). 2022. Mineral Industry Surveys.
43 Cement in December 2021. [https://www.usgs.gov/centers/national-minerals-](https://www.usgs.gov/centers/national-minerals-information-center/cement-statistics-and-information)
44 [information-center/cement-statistics-and-information](https://www.usgs.gov/centers/national-minerals-information-center/cement-statistics-and-information).
- 45 Personal Communication

- 1 SCAQMD (South Coast Air Quality Management District). 2015. Meeting
2 between Port of Los Angeles staff and consultants and SCAQMD staff regarding
3 the China Shipping supplemental EIR project. December 9, 2015
4 _____ . 2016. Personal communication between L. Granovsky/iLanco
5 Environmental and Mike Krause/SCAQMD regarding the SCAQMD GHG
6 significance threshold for industrial projects. July 29, 2016.

7 **Section 3.6 Land Use and Planning**

- 8 City of Los Angeles. 2022. Department of City Planning. ZIMAS (Zone
9 Information and Map Access System). [https://planning.lacity.org/zoning/zoning-
10 search](https://planning.lacity.org/zoning/zoning-search).
11 LAHD (Los Angeles Harbor Department). 2018a. Port Master Plan. September.
12 [https://kentico.portoflosangeles.org/getmedia/adf788d8-74e3-4fc3-b774-
13 c6090264f8b9/port-master-plan-update-with-no-29_9-20-2018](https://kentico.portoflosangeles.org/getmedia/adf788d8-74e3-4fc3-b774-c6090264f8b9/port-master-plan-update-with-no-29_9-20-2018).
14 _____ . 2018b. 2018-2022 Strategic Plan.
15 [https://kentico.portoflosangeles.org/getmedia/6ac20c8e-f574-44a8-b28e-
16 da8683b41cf6/Strategic-Plan-2018-2022](https://kentico.portoflosangeles.org/getmedia/6ac20c8e-f574-44a8-b28e-da8683b41cf6/Strategic-Plan-2018-2022).

17 **Section 3.7 Noise**

- 18 Babisch W. Transportation noise and cardiovascular risk: updated review and
19 synthesis of epidemiological studies indicate that the evidence has increased.
20 Noise Health. 2006 Jan-Mar;8(30):1-29. doi: 10.4103/1463-1741.32464. PMID:
21 17513892.
22 Berglund, B., T. Lindvall, and D. Schwela. 2000. New WHO Guidelines for
23 Community Noise. Noise and Vibration Worldwide 31(4): 24-29.
24 Caltrans (California Department of Transportation). 2013. Technical Noise
25 Supplement to the Traffic Noise Analysis Protocol. September 2013.
26 [https://dot.ca.gov/-/media/dot-media/programs/environmental-
27 analysis/documents/env/tens-sep2013-a11y.pdf](https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tens-sep2013-a11y.pdf).
28 City of Los Angeles. 1999. Noise Element of the Los Angeles City General Plan,
29 Los Angeles Department of City Planning. February.
30 [https://planning.lacity.org/odocument/b49a8631-19b2-4477-8c7f-
31 08b48093cddd/Noise_Element.pdf](https://planning.lacity.org/odocument/b49a8631-19b2-4477-8c7f-08b48093cddd/Noise_Element.pdf).
32 _____ . 2006. L.A. CEQA Thresholds Guide: Your Resource for Preparing
33 CEQA Analyses in Los Angeles. http://ibecproject.com/PREDEIR_0013306.pdf.
34 _____ . 2022. Municipal Code. September 30, 2022.
35 City of Vallejo. 2015. Draft Environmental Impact Report for the Vallejo Marine
36 Terminal and Orcem Project. Appendix K. SCH # 2014052057.
37 [https://vallejoca.hosted.civiclive.com/our_city/departments_divisions/planning_de
38 velopment_services/planning_division/vallejo_marine_terminal_orcem_eir](https://vallejoca.hosted.civiclive.com/our_city/departments_divisions/planning_development_services/planning_division/vallejo_marine_terminal_orcem_eir).
39 Datakustik, 2022. CadnaA version 2022 (Build 189.5221) Noise Prediction
40 Software. <https://www.datakustik.com/products/cadnaa/cadnaa/>.

- 1 FHWA (Federal Highway Administration). 2006. FHWA Roadway Construction
2 Noise Model (RCNM), U.S. Department of Transportation.
3 https://www.fhwa.dot.gov/environment/noise/construction_noise/rcnm/rcnm.pdf.
- 4 FTA (Federal Transit Administration). 2018. Transit Noise and Vibration Impact
5 Assessment, Federal Transit Administration, September 2018.
6 [https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-](https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf)
7 [innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-](https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf)
8 [report-no-0123_0.pdf](https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf)
- 9 Illingworth & Rodkin, Inc., 2022. Port of Los Angeles Vopak Terminal Long
10 Term Noise Measurement Results, Draft Technical Memo. December 1, 2022.
- 11 Los Angeles County. 2015. General Plan 2035, Los Angeles County Department
12 of Regional Planning. October 6, 2015.
13 https://planning.lacounty.gov/assets/upl/project/gp_final-general-plan.pdf.
- 14 USEPA (U.S. Environmental Protection Agency). 1974. Information on Levels of
15 Environmental Noise Requisite to Protect Public Health and Welfare with an
16 Adequate Margin of Safety, Prepared by Office of Noise Abatement Control.
17 <https://nepis.epa.gov/Exe/ZyPDF.cgi/2000L3LN.PDF?Dockey=2000L3LN.PDF>.

18 **Section 3.8 Ground Transportation**

- 19 Caltrans (California Department of Transportation). 2023. Year 2023 Traffic
20 Operating Conditions. Unpublished data communicated to LAHD. April.
- 21 LADOT (Los Angeles Department of Transportation). 2020. Transportation
22 Assessment Guidelines. [https://ladot.lacity.org/sites/default/files/documents/2020-](https://ladot.lacity.org/sites/default/files/documents/2020-transportation-assessment-guidelines_final_2020.07.27_0.pdf)
23 [transportation-assessment-guidelines_final_2020.07.27_0.pdf](https://ladot.lacity.org/sites/default/files/documents/2020-transportation-assessment-guidelines_final_2020.07.27_0.pdf).
- 24 Port of Los Angeles. 2023. Current Projects.
25 <https://www.lawaterfront.org/invest/current-port-projects>.
- 26 SCAG (Southern California Association of Governments). 2020. The 2020-2045
27 Regional Transportation Plan/Sustainable Communities Strategy of the Southern
28 California Association of Governments. [https://scag.ca.gov/sites/main/files/file-](https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial-plan_0.pdf?1606001176)
29 [attachments/0903fconnectsocial-plan_0.pdf?1606001176](https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial-plan_0.pdf?1606001176).
- 30 Transportation Research Board. 2022. Highway Capacity Manual 7th Edition.

31 **Section 3.9 Tribal Cultural Resources**

- 32 Duke CRM. 2022. Cultural and Paleontological Resources Assessment Berth 191-
33 194, Los Angeles Port Project. October
- 34 Gabrielino (Gabrielino-Tongva Indian Tribe). 2022. Gabrielino-Tongva Indian
35 Tribe. History.
36 [https://gabrielinotribe.org/history/#:~:text=The%20Tribe%20has%20been%20indi-](https://gabrielinotribe.org/history/#:~:text=The%20Tribe%20has%20been%20indigenous,Mission%20and%20San%20Fernando%20Mission)
37 [genous,Mission%20and%20San%20Fernando%20Mission](https://gabrielinotribe.org/history/#:~:text=The%20Tribe%20has%20been%20indigenous,Mission%20and%20San%20Fernando%20Mission).
- 38 LAHD (Los Angeles Harbor Department). 2007. Berths 137-147 Terminal Draft
39 EIS/EIR. [https://www.portoflosangeles.org/environment/environmental-](https://www.portoflosangeles.org/environment/environmental-documents)
40 [documents](https://www.portoflosangeles.org/environment/environmental-documents).

1 _____ . 2013. Port of Los Angeles Master Plan Update Draft Program
 2 Environmental Impact Report.
 3 <https://www.portoflosangeles.org/environment/environmental-documents>.

4 Chapter 4 Cumulative Analysis

5 California Gas and Electric Utilities. 2021. 2021 Supplemental California Gas
 6 Report.
 7 [https://www.socalgas.com/sites/default/files/2021_California_Gas_Report_Supple](https://www.socalgas.com/sites/default/files/2021_California_Gas_Report_Supplement.pdf)
 8 [ment.pdf](https://www.socalgas.com/sites/default/files/2021_California_Gas_Report_Supplement.pdf).

9 CARB (California Air Resources Board). 2022. Maps of State and Federal Area
 10 Designations. [https://ww2.arb.ca.gov/resources/documents/maps-state-and-](https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations)
 11 [federal-area-designations](https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations).

12 _____ . 2006. Diesel Particulate Matter Exposure Assessment Study for the Ports
 13 of Los Angeles and Long Beach.
 14 [https://ww2.arb.ca.gov/sites/default/files/barcu/regact/marine2005/portstudy0406.](https://ww2.arb.ca.gov/sites/default/files/barcu/regact/marine2005/portstudy0406.pdf)
 15 [pdf](https://ww2.arb.ca.gov/sites/default/files/barcu/regact/marine2005/portstudy0406.pdf).

16 _____ . 2022. Maps of Current State and Federal Area Designations. November.
 17 Accessed online May 2023, at [https://ww2.arb.ca.gov/resources/documents/maps-](https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations)
 18 [state-and-federal-area-designations](https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations).

19 CBE (California State Board of Equalization). 2022a. Fuel Taxes Statistics &
 20 Reports. January 2022 – Motor Vehicle Fuel 10 Year Reports.
 21 [https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.ca.gov%2Ftaxes-and-fees%2FMVF-10-Year-Report.xlsx&wdOrigin=BROWSELINK)
 22 [ca.gov%2Ftaxes-and-fees%2FMVF-10-Year-](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.ca.gov%2Ftaxes-and-fees%2FMVF-10-Year-Report.xlsx&wdOrigin=BROWSELINK)
 23 [Report.xlsx&wdOrigin=BROWSELINK](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.ca.gov%2Ftaxes-and-fees%2FMVF-10-Year-Report.xlsx&wdOrigin=BROWSELINK).

24 _____ . 2022b. Fuel Taxes Statistics & Reports. Taxable Diesel Gallons 10-Year
 25 Report
 26 [https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.ca.gov%2Ftaxes-and-fees%2FDiesel-10-Year-Report.xlsx&wdOrigin=BROWSELINK)
 27 [ca.gov%2Ftaxes-and-fees%2FDiesel-10-Year-](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.ca.gov%2Ftaxes-and-fees%2FDiesel-10-Year-Report.xlsx&wdOrigin=BROWSELINK)
 28 [Report.xlsx&wdOrigin=BROWSELINK](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.cdtfa.ca.gov%2Ftaxes-and-fees%2FDiesel-10-Year-Report.xlsx&wdOrigin=BROWSELINK).

29 LADOT (Los Angeles Department of Transportation). 2020. Transportation
 30 Assessment Guidelines. [https://ladot.lacity.org/sites/default/files/documents/2020-](https://ladot.lacity.org/sites/default/files/documents/2020-transportation-assessment-guidelines_final_2020.07.27_0.pdf)
 31 [transportation-assessment-guidelines_final_2020.07.27_0.pdf](https://ladot.lacity.org/sites/default/files/documents/2020-transportation-assessment-guidelines_final_2020.07.27_0.pdf).

32 LADWP (Los Angeles Department of Water and Power). 2017. Power Strategic
 33 Long-Term Resource Plan. December.
 34 [https://www.ladwp.com/ladwp/faces/wcnav_externalId/a-p-doc?_adf.ctrl-](https://www.ladwp.com/ladwp/faces/wcnav_externalId/a-p-doc?_adf.ctrl-state=an9w7bv2c_4&_afzLoop=647926306635354)
 35 [state=an9w7bv2c_4&_afzLoop=647926306635354](https://www.ladwp.com/ladwp/faces/wcnav_externalId/a-p-doc?_adf.ctrl-state=an9w7bv2c_4&_afzLoop=647926306635354).

36 _____ . 2022. Power Facts and Figures.
 37 [https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-](https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-factandfigures?_adf.ctrl-state=an9w7bv2c_4&_afzLoop=648476746240207)
 38 [factandfigures?_adf.ctrl-state=an9w7bv2c_4&_afzLoop=648476746240207](https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-factandfigures?_adf.ctrl-state=an9w7bv2c_4&_afzLoop=648476746240207).

39 LAHD (Los Angeles Harbor Department). 2009. Sustainable Construction
 40 Guidelines for Reducing Air Emissions.

41 _____ . 2018. Port Master Plan. September.
 42 [https://kentico.portoflosangeles.org/getmedia/adf788d8-74e3-4fc3-b774-](https://kentico.portoflosangeles.org/getmedia/adf788d8-74e3-4fc3-b774-c6090264f8b9/port-master-plan-update-with-no-29_9-20-2018)
 43 [c6090264f8b9/port-master-plan-update-with-no-29_9-20-2018](https://kentico.portoflosangeles.org/getmedia/adf788d8-74e3-4fc3-b774-c6090264f8b9/port-master-plan-update-with-no-29_9-20-2018).

- 1 _____ . 2020. 2020 Air Quality Report Card.
 2 <https://kentico.portoflosangeles.org/getmedia/a593a605-9d29-4dd4-a7d9->
 3 [f58c658f5339/2020_Air_Quality_Report_Card](https://kentico.portoflosangeles.org/getmedia/a593a605-9d29-4dd4-a7d9-f58c658f5339/2020_Air_Quality_Report_Card).
- 4 POLA and POLB (Port of Los Angeles and Port of Long Beach). 2010. San Pedro
 5 Bay Ports Clean Air Action Plan (CAAP) 2010 Update.
 6 <https://kentico.portoflosangeles.org/getmedia/68ad1b1f-2241-4edb-8bf2->
 7 [d9621af288b2/2010_caap_update_final](https://kentico.portoflosangeles.org/getmedia/68ad1b1f-2241-4edb-8bf2-d9621af288b2/2010_caap_update_final).
- 8 _____ . 2017. San Pedro Bay Ports Clean Air Action Plan (CAAP) 2017 Update.
 9 <https://kentico.portoflosangeles.org/getmedia/9d371f7b-9812-4c75-bcfd->
 10 [23e83a191435/CAAP_2017_Draft_Document-Final](https://kentico.portoflosangeles.org/getmedia/9d371f7b-9812-4c75-bcfd-23e83a191435/CAAP_2017_Draft_Document-Final).
- 11 SCAQMD (South Coast Air Quality Management District). 2000. Multiple Air
 12 Toxics Exposure Studies (MATES-II). Final Report.
 13 <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-ii>.
- 14 _____ .2003. Appendix D. Cumulative Impact Requirements Pursuant to the
 15 California Environmental Quality Act. [http://www.aqmd.gov/docs/default-](http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper-appendix.pdf)
 16 [source/Agendas/Environmental-Justice/cumulative-impacts-working-](http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper-appendix.pdf)
 17 [group/cumulative-impacts-white-paper-appendix.pdf](http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper-appendix.pdf).
- 18 _____ . 2015. MATES IV: Multiple Air Toxics Exposure Studies.
 19 <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-iv>.
- 20 _____ . 2021. MATES V: Multiple Air Toxics Exposure Studies.
 21 [http://www.aqmd.gov/docs/default-source/planning/mates-v/mates-v-final-report-](http://www.aqmd.gov/docs/default-source/planning/mates-v/mates-v-final-report-9-24-21.pdf?sfvrsn=6)
 22 [9-24-21.pdf?sfvrsn=6](http://www.aqmd.gov/docs/default-source/planning/mates-v/mates-v-final-report-9-24-21.pdf?sfvrsn=6).
- 23 _____ . 2022. 2022 Air Quality Management Plan. December.
 24 <http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality->
 25 [management-plans/2022-air-quality-management-plan/final-2022-aqmp/final-](http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2022-air-quality-management-plan/final-2022-aqmp/final-2022-aqmp.pdf?sfvrsn=16)
 26 [2022-aqmp.pdf?sfvrsn=16](http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2022-air-quality-management-plan/final-2022-aqmp/final-2022-aqmp.pdf?sfvrsn=16).

27 **Chapter 5 Comparison of Alternatives**

28 No references were cited in Chapter 5.

29 **Chapter 6 Significant Irreversible**

30 **No references were cited in Chapter 6.**

31 **Chapter 7 Growth Inducing**

32 SCAG (Southern California Association of Governments). 2020. Connect SoCal.
 33 Demographics and Growth Forecast Technical Report.
 34 <https://scag.ca.gov/sites/main/files/file->
 35 [attachments/0903fconnectsocial_demographics-and-growth-](https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial_demographics-and-growth-forecast.pdf?1606001579)
 36 [forecast.pdf?1606001579](https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial_demographics-and-growth-forecast.pdf?1606001579).

37 **Chapter 8 Socioeconomics**

38 AFF (American Fact Finder). 2019. 2014-2018 Median Household Income in the
 39 United States by County.
 40 <https://www.census.gov/library/visualizations/interactive/2014-2018-median->
 41 [household-income-by-county.html](https://www.census.gov/library/visualizations/interactive/2014-2018-median-household-income-by-county.html).

- 1 _____ . 2023a. Annual Estimates of the Resident Population for Counties: April 1,
2 2020 to July 1, 2022 (CO-EST2022-POP).
3 [https://www.census.gov/data/datasets/time-series/demo/popest/2020s-counties-](https://www.census.gov/data/datasets/time-series/demo/popest/2020s-counties-total.html)
4 [total.html](https://www.census.gov/data/datasets/time-series/demo/popest/2020s-counties-total.html).
- 5 _____ . 2023b. Annual Estimates of the Resident Population for Incorporated
6 Places in the United States: April 1, 2020 to July 1, 2022 (SUB-IP-EST2022-
7 POP).
- 8 Beacon Economics, 2023. ORCEM Port of Los Angeles Project: Economic
9 Impact Analysis.
- 10 BLS (Bureau of Labor Statistics). 2023. Local Area Unemployment Statistics –
11 Los Angeles-Long Beach-Glendale Metropolitan Division.
12 [https://data.bls.gov/timeseries/LAUDV063108400000006?amp%253bdata_tool=](https://data.bls.gov/timeseries/LAUDV063108400000006?amp%253bdata_tool=XGtable&output_view=data&include_graphs=true)
13 [XGtable&output_view=data&include_graphs=true](https://data.bls.gov/timeseries/LAUDV063108400000006?amp%253bdata_tool=XGtable&output_view=data&include_graphs=true).
- 14 CA EDD (California Employment Development Department). 2023a. California
15 Labor Market Top Statistics. Unemployment Rate Graph.
16 <https://labormarketinfo.edd.ca.gov/data/Top-Statistics.html#UR>.
- 17 _____ . 2023b. Report 400 C Monthly Labor Force Data for Counties. Annual
18 Average 2021 – Revised.
19 <https://labormarketinfo.edd.ca.gov/file/lfhist/21aacou.pdf>.
- 20 DOF (California Department of Finance). 2021. Report P-2A: Total Population
21 Projections, 2010-2060. California and Counties, 2019 Baseline.
22 <https://dof.ca.gov/forecasting/demographics/projections/>.
- 23 Federal Reserve St. Louis. 2023. New Private Housing Units Authorized by
24 Building Permits for California. FRED Economic Data.
25 <https://fred.stlouisfed.org/series/CABPPRIVSA>.
- 26 Harbor Community Benefit Foundation. 2022. <http://hcbf.org/about/>.
- 27 LAEDC (Los Angeles County Economic Development Corporation). 2015. L.A.
28 Stats. June. [https://laedc.org/wp-content/uploads/2015/08/2015-LA-](https://laedc.org/wp-content/uploads/2015/08/2015-LA-Stats_Final.pdf)
29 [Stats_Final.pdf](https://laedc.org/wp-content/uploads/2015/08/2015-LA-Stats_Final.pdf).
- 30 _____ . 2021. 2021 Economic Forecast: A Tale of Two Recoveries. Executive
31 Summary. LAEDC Institute of Applied Economics. [https://laedc.org/wp-](https://laedc.org/wp-content/uploads/2021/02/LAEDC-2021-Economic-Forecast_Final-1.pdf)
32 [content/uploads/2021/02/LAEDC-2021-Economic-Forecast_Final-1.pdf](https://laedc.org/wp-content/uploads/2021/02/LAEDC-2021-Economic-Forecast_Final-1.pdf).
- 33 Martin Associates. 2007. The Local and Regional Economic Impacts of the Port
34 of Los Angeles. Prepared for the Port of Los Angeles.
- 35 MIG. 2011. Impact Analysis for Planning (IMPLAN) Input-Output Model, MIG,
36 Inc., Hudson, Wisconsin, 2011 Regional Data. www.implan.com. Port of Los
37 Angeles. 2015.
- 38 SCAG (Southern California Association of Governments). 2020. Demographics
39 and Growth Forecast. Technical Report for the Connect SoCal Regional
40 Transportation Plan/Sustainable Communities Strategy.
41 [https://scag.ca.gov/sites/main/files/file-](https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial_demographics-and-growth-forecast.pdf?1606001579)
42 [attachments/0903fconnectsocial_demographics-and-growth-](https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial_demographics-and-growth-forecast.pdf?1606001579)
43 [forecast.pdf?1606001579](https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial_demographics-and-growth-forecast.pdf?1606001579).

- 1 U.S. Census Bureau. 2022. New Privately Owned Housing Units Authorized by
- 2 County: California 2021. Data Visualizations BPS State/County Map. November.
- 3 <https://www.census.gov/construction/bps/visualizations/statemap/index.html>.
- 4 _____. 2023. QuickFacts United States Statistics. www.census.gov/quickfacts.