

Third Notice of Public Availability of Additional Documents and Information

Proposed Amendments to the Small Off-Road Engine Regulations: Transition to Zero Emissions

Public Hearing Date: December 9, 2021
Public Availability Date: May 27, 2022
Deadline for Public Comment: June 13, 2022

At its December 9, 2021, public hearing, the California Air Resources Board (CARB or Board) approved for adoption the proposed amendments to sections 2400, 2401, 2402, 2403, 2404, 2405, 2405.1, 2405.2, 2405.3, 2406, 2407, 2408, 2408.1, 2750, 2752, 2753, 2754, 2754.1, 2754.2, 2755, 2756, 2757, 2758, 2759, 2761, 2762, 2763, 2764, 2765, 2766, 2767, 2767.1, and 2771, the adoption of sections 2408.2 and 2754.3, and the repeal of section 2768, Title 13 California Code of Regulations, together the Proposed Amendments to the Small Off-Road Engine Regulations. The Proposed Amendments seek to accelerate the transition from equipment using small off-road engines (SORE) to zero-emission equipment (ZEE). All regulatory documents for this rulemaking are available online at the following CARB website: <https://ww2.arb.ca.gov/rulemaking/2021/sore2021>.

In the interest of completeness and in accordance with Government Code section 11347.1, subdivision (a), staff has added to the rulemaking record and invites comments on the following additional documents. Staff is not proposing any modifications to the regulatory text as part of this notice. In the Final Statement of Reasons, staff will respond to all written comments received on the record during the public comment period for this Notice, as required by Government Code section 11347.1.

Additional Documents Added to the Record

In the interest of completeness and in accordance with Government Code section 11347.1, subdivision (a), staff has added to the rulemaking record and invites comments on the following additional documents:

1. AACOG. 2013. Commercial Lawn and Garden Emission Inventory. Technical Report. Alamo Area Council of Governments; Natural Resources/Transportation Department (AACOG). December 31, 2013. Available at: https://www.aacog.com/DocumentCenter/View/36123/Commerical_Lawn_and_Garden_Report_123113---PDF?bidId=. Last accessed: May 2, 2022.

2. Allen. 2017. The SAGE Encyclopedia of Communication Research Methods. Volume 1. Mike Allen, Editor; SAGE Publications. "Geometric Mean," Melissa Ann Tafoya, pages 935-937. April 2017.
3. American Honda Motor Co, Inc. 2022. American Honda Motor Co, Inc. (Honda) Owner's Manual: Generator EU2200i / EU22001 Companion. Available at: <https://cdn.powerequipment.honda.com/pe/pdf/manuals/00X31Z446130.pdf>. Last accessed: April 29, 2022.
4. ATB. 2017. Challenges of Inventory Preparation: Activity Data, Emission Factors and Models. Leibniz Institute for Agricultural Engineering and Bioeconomy (ATB). Presented by Professor Dr. Barbara Amon at the International Symposium on Emissions of Gas and Dust from Livestock, EmiLi 2017. May 22, 2017. Available at: https://colloque.inrae.fr/emili2017_eng/content/download/4097/44257/version/1/file/B_Amon_inventories_EMILI2017.pdf. Last accessed: May 2, 2022.
5. CARB. 2020. Executive Order U-U-008-0316. Executed December 8, 2020.
6. CARB. 2021a. Executive Order U-U-008-0312-1. Executed May 11, 2021.
7. CARB. 2021b. Executive Order U-U-008-0314-1. Executed May 11, 2021.
8. Champion Power Equipment. 2022. Champion Global Power Equipment Owner's Manual & Operating Instructions: 3400 Starting watts / 3100 Running watts Portable Inverter Generator, model Number 100233. Available at <https://www.championpowerequipment.com/wp-content/uploads/2017/08/100233-om-english.pdf>. Last accessed: April 29, 2022.
9. Costa. 2022. Calculating Geometric Means. Joe Costa. Buzzards Bay National Estuary Program. Available on the State Water Resource Control Board, SWAMP Program website at: https://www.waterboards.ca.gov/water_issues/programs/swamp/docs/cwt/guidance/3413.pdf. Last accessed: May 2, 2022.
10. EHP&A, Inc. 1997. Guidance for Estimating Lawn and Garden Equipment Activity Levels; Volume IV, Chapter 3. Prepared by E. H. Pechan & Assoc., Inc. (EHP&A) for U.S. Environmental Protection Agency, Mobile Source Committee Emission Inventory Improvement Program. September 1997. Available at: <https://www.epa.gov/sites/default/files/2015-08/documents/iv03.pdf>. Last accessed: May 2, 2022.
11. ERV. 2022. ERV – The World's 1st Fully Electric Caravan. Available at: <https://www.e-rv.com>. Last accessed May 13, 2022.
12. Ford Motor Company. 2022. Ford Intelligent Backup Power. Available at: <https://www.ford.com/trucks/f150/f150-lightning/features/intelligent-backup-power/>. Last accessed: May 13, 2022.
13. Generac. 2022. Owner's Manual: GP Series Portable Generator. Models: 005625-0, 005626-0, 005680-0, 005681-0. Available at: <https://prod-generacsoa.azurefd.net/manualsweb/manuals/5644258/0G8751>. Last accessed: April 29, 2022.

14. Hazra and Gogtay. 2016. "Biostatistics Series Module 5: Determining Sample Size." *Indian Journal of Dermatology* 61(5). DOI: 10.4103/0019-5154.190119.
15. Home Depot. 2022. Search Results for Top Handle Chainsaw. Available at: <https://www.homedepot.com/b/Top-Handle-Chainsaw/Battery/N-5yc1vZ1z0l4p8Z1z0ylm1/Ntk-google/Ntt-top%2Bhandle%2Bchainsaw?NCNI-5&sortby=bestmatch&sortorder=none>. Last accessed: April 22, 2022.
16. Husqvarna. 2022. Best Top Handle Chainsaw for Arborist and Tree Care Pros. Available at: https://www.husqvarna.com/us/chainsaws/top-handle-chainsaws/?web_powersource_sm=Battery. Last accessed: April 22, 2022.
17. National Business Research Institute. 2022. Sample Size Calculator. Available at: <https://www.nbrii.com/sample-size-calculator/>. Last accessed: May 17, 2022.
18. PG&E. 2022. PG&E and General Motors Collaborate on Pilot to Reimagine Use of Electric Vehicles as Backup Power Sources for Customers. Pacific Gas and Electric Company (PG&E) March 8, 2022, news release available at: https://www.pge.com/en_US/about-pge/media-newsroom/news-details.page?pageID=c77a4e23-f8fc-4774-9786-0dba87a203db&ts=1646754047003. Last accessed: May 13, 2022.
19. Rea and Parker. 2014. *Designing and Conducting Survey Research: A Comprehensive Guide, Fourth Edition*. Louis M. Rea and Richard A. Parker; Wiley. "Determinants of Sampling Accuracy", pages 163-166. September 2014.
20. Stihl. 2022. MSA 161 T Top Handle Battery Chainsaw. Available at: <https://www.stihlusa.com/products/chain-saws/battery-saws/msa161t/>. Last accessed: April 22, 2022.
21. TERI. 2022. Catalogue of Indian Emission Inventory Reports. The Energy and Resources Institute (TERI) and Environmental Defense Fund. January 2022. Available at: https://www.globalcleanair.org/files/2022/01/Indian-Emission-Inventory-Report_DIGITAL-FILE.pdf. Last accessed: May 2, 2022.
22. Winnebago Industries. 2022. Electric Concept Motorhome. Available at: <https://www.winnebagoind.com/electric>. Last accessed: May 13, 2022.
23. Howell, David C. 2010. *Statistical Methods for Psychology, Seventh Edition*. Belmont, California: Cengage Wadsworth.

These documents are available for inspection at the California Air Resources Board, 1001 I Street, Sacramento, California, 95814, between the hours of 9:00am to 4:00pm, Monday through Friday (excluding holidays). To inspect these documents please contact Bradley Bechtold, Regulations Coordinator, at Bradley.Bechtold@arb.ca.gov or (279) 208-7266.

Agency Contacts

Inquiries concerning the substance of the Proposed Amendments may be directed to Dorothy Fibiger, Air Resources Engineer, Testing and Certification Section, at (279) 208-7448 or (designated back-up contact) Chris Burford, Air Resources Engineer, Testing and Certification Section, at (279) 208-7341.

Public Comments

Written comments will only be accepted on the additional documents added to the record as described in this Notice. Comments may be submitted by postal mail or by electronic submittal no later than the due date to the following:

Postal mail: Clerks' Office, California Air Resources Board
1001 I Street, Sacramento, California 95814

Electronic submittal: <https://www.arb.ca.gov/lispub/comm/bclist.php>

Please note that under the California Public Records Act (Gov. Code § 6250 et seq.), your written and verbal comments, attachments, and associated contact information (e.g., your address, phone, email, etc.) become part of the public record and can be released to the public upon request.

In order to be considered by the Executive Officer, comments must be directed to CARB in one of the two forms described above and received by CARB no later than the deadline date for public comment listed at the beginning of this notice. Only comments relating to the additional documents added to the record as described herein shall be considered by the Executive Officer.

If you need this document in an alternate format or another language, please contact the Clerks' Office at (916) 322-5594 or by facsimile at (916) 322-3928 no later than five (5) business days from the release date of this notice. TTY/TDD/Speech to Speech users may dial 711 for the California Relay Service.

Si necesita este documento en un formato alternativo u otro idioma, por favor llame a la oficina del Secretario del Consejo de Recursos Atmosféricos al (916) 322-5594 o envíe un fax al (916) 322-3928 no menos de cinco (5) días laborales a partir de la fecha del lanzamiento de este aviso. Para el Servicio Telefónico de California para Personas con Problemas Auditivos, ó de teléfonos TDD pueden marcar al 711.

California Air Resources Board



Edie Chang
Deputy Executive Officer

Date: May 27, 2022

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see [CARB's website](http://www.arb.ca.gov) (www.arb.ca.gov).