

March 24, 2017

The Honorable Mary Nichols  
Chair, California Air Resources Board  
Members of the California Air Resources Board  
1001 I Street  
Sacramento, CA 95814

**Subject: Health Professional Support for Strong Clean Cars Standards**

Dear Chair Nichols and Members of the Board:

On behalf of the undersigned health professionals in California and across the United States, we write to support strong state and federal advanced clean car regulations to protect public health from motor vehicle pollution. We also write to urge the California Air Resources Board to continue its leadership by strengthening the clean car rules beginning in 2025 to advance the fight against air pollution and climate change. These state and federal rules are critical to keep our patients and our communities healthier and more resilient to the worst impacts of climate change.

Motor vehicles represent a major share of the air and climate pollutants harming communities in California and across the United States. Their contribution to health and climate threats makes adopting and enforcing the strongest possible motor vehicle standards vital. The changing climate threatens the health of Americans alive now and in future generations. Growing evidence over the past few years has demonstrated the multiple, profound, climate change risks that imperil the lives and health of millions. The increasing evidence of climate change health impacts together with the robust research demonstrating harm by pollution from motor vehicle emissions demonstrate the need for the strongest possible technology requirements to protect public health.

We support strong implementation of existing federal U.S. Environmental Protection Agency/National Highway Traffic Safety Administration vehicle emission standards as well as California's 2025 Advanced Clean Cars and Zero Emission Vehicle program authorized under the Clean Air Act. These federal and state standards are most effective when implemented jointly with the benefits of the standards delivered across the country. California's standards set the bar for curbing emissions of ozone-forming pollution, limiting deadly particles, and controlling climate pollution as they lead the nation forward on zero-emission technology.

Therefore, we offer the following recommendations in support of improving and protecting public health against pollution burdens and global climate change health impacts:

- **California and the federal government must implement current advanced clean car standards to protect public health.** Federal EPA/NHTSA and California emission standards will deliver meaningful climate and public health benefits by 2025. We urge

federal and state agencies to ensure the strong implementation of these rules in a coordinated manner in the best interests of public health, clean air and a healthy climate.

- **California should move forward now to develop post-2025 clean car and zero emission technology standards.** California's leadership in developing more advanced clean car and zero emission technology standards is leading the way to cleaner air and a healthy climate. We urge the California Air Resources Board to begin development of the post-2025 standards now to further reduce ozone-forming pollutants, fine particles and climate pollution as well as to strengthen and extend the Zero Emission Vehicle standard. We urge the post-2025 zero emission vehicle program to ensure alignment with a 2050 goal of achieving a robust market with 100% zero emission vehicle sales.
- **California's authority to address motor vehicle pollution standards must be maintained.** Other states should continue to have the opportunity to adopt California standards to maximize pollution reductions now and in the future. California's vehicle program has advanced clean technologies in the United States and around the world. It has brought tremendous benefits, not only to California residents, but to nationwide efforts to drive down pollution.

California's health-protective standards serve as a benchmark for clean air and climate protections needed across the United States. We support strong federal and state programs that follow California's example and ensure that all people are protected to the greatest extent possible from the serious health burdens of vehicle pollution.

Sincerely,

Jennifer Abraham, MD, Bakersfield, CA  
Ruenell Adams Jacobs, MD, Elk Grove, CA  
Meghan Adelman, RN, MPH, Ross, CA  
Felix Aguilar, MD, MPH, MHCM, Los Angeles, CA  
Lorene Alba, AE-C, Oakland, CA  
Ellen Alkon, MD, MPH, Rolling Hills Estates, CA  
Ashley Allen, Health Educator, San Luis Obispo, CA  
Teeb Al-Samarrai, MD, Torrance, CA  
Stacey Anderson, PhD, San Francisco, CA  
Laura Applebaum, MD, CA  
Jill Arnstein, MPH, Los Angeles, CA  
Shelli Ashbeck, RN, BSN, Clovis, CA  
Michelle Baird, RN, CNM, Berkeley, CA  
William Baldyga, DrPH, MA, Long Beach, CA  
Lee Balance, MD, Berkeley, CA  
James Barrett, RN, San Pedro, CA  
Laura Barrett, RN, Sacramento, CA  
Michele Barry, MD, FACP, FASTMH, Los Altos Hills, CA  
Anrey Bartoszynski, RRT-ACCS, Palo Alto, CA

Cory Bartz, RN, Oceanside, CA  
Bruce Bekkar, MD, Del Mar, CA  
Simone Bennett, MD, San Francisco, CA  
Faustino Bernadett, MD, Long Beach, CA  
Robert Blount, MD, San Francisco, CA  
Janyth Bolden, RRT, Martinez, CA  
Coletta Boone, RCP, MA, CNP, Temecula, CA  
Milton Bosch, MD, Napa, CA  
Nancy Boyce, BSN, San Rafael, CA  
Cynthia Bromberg, PhD, Oakland, CA  
John Capitman, PhD, Fresno, CA  
Deborah Carey, RN, Vacaville CA  
Donna Carr, MD, Encinitas, CA  
Viki Chaudrue, RN, MSN, Ed.D, Ukiah, CA  
Mory Chhom, MPH, Berkeley, CA  
Sharon Chinthrajah, MD, Palo Alto, CA  
Marcia Clark, RN, CCM, Pinole, CA  
Clint Collins, MD, Cameron Park, CA  
David T. Cooke, MD, Sacramento, CA  
Robin Cooper. MD, San Francisco, CA  
Brad Coyle, RN, Richmond, CA  
Ingela Dahlgren, RN, ED of SEIU Nurse Alliance of CA, Camarillo, CA  
Janet Darrow, RN, MSN, San Jose, CA  
Mary Lou De Natale, EdD, RN, CNL, San Jose CA  
Anthony DeRiggi, MD, Sacramento, CA  
Kathy Dervin, MPH, Berkeley, CA  
Jesse Dirks, Pharm D, Sacramento, CA  
Reema Dirks, PharmD, Sacramento CA  
Robert Dodge, MD, Ojai, CA  
Annemarie Donjacour, PhD, San Francisco, CA  
Susan Doughty, RN, NP, Fremont, CA  
Catherine Dycaico, MD, DavisCA  
Paul English, PhD MPH, Richmond, CA  
Marsha Epstein, MD, MPH, Los Angeles, CA  
Paul Feigenbaum, MDSan Francisco CA  
Rhodora Fiorello, Patient Care Coordinator, San Francisco CA  
Amber Fitzsimmons, PT, San Francisco, CA  
Stephen Follansbee, MD, San Francisco, CA  
Catherine S. Forest, MD MPH, Santa Cruz, CA  
Mary Frazier, RN, MSN, AE-C, Oakland, CA  
Austin French-Johnson, RRT, Capitola, CA  
Debra Fuller, RN, Rancho Mirage, CA  
Don Gaede, MD, Fresno, CA  
Geoff Gaggero, DO, Roseville,CA

Debbie Gilardi CRTT, Petaluma, CA  
Anita Girard, DNP, RN, NEA-BC, Santa Clara, CA  
Luz Gomez MPH, RD, San Ramon, CA  
Nancy Graff, MD, La Jolla, CA  
Jerena Hammett, RRT, Merced, CA  
Stephen Hansen, MD, San Luis Obispo, CA  
Karen Hansen-Smith, MD, Fresno, CA  
Lisa Hartmayer, RN, MSN, NP, San Francisco, CA  
Tim Haskett, GNP, McKinleyville, CA  
Leslie Hata, DDS, Oakland, CA  
Linda Hinojosa, RN, BSN, Delano, CA  
Marie Hoemke, RN, Napa, CA  
Susan Hooten, MD, Granite Bay, CA  
Mark Horton, MD MSPH, Sacramento, CA  
Jim Howard, MS, Sacramento, CA  
Stanton Ireland, Windsor, CA  
Maria Jaime, MPH, Bakersfield, CA  
Jyoti Jain, MD, Oakland, CA  
Karen Jakpor, MD, MPH, Riverside, CA  
Gemma Jamena, MD, Fremont, CA  
Maynard Johnston, MD, FAAP, Folsom, CA  
Phoebe Jones, RN, BSN, PHN, Tustin CA  
Erika Kimball, RN, BSN, San Francisco, CA  
Dian Kiser, PhD, Sacramento CA  
James Kratzer, MD, MPH, Fresno, CA  
Vicky Ku, RN, MSN, ACNP-BC, Duarte CA  
Donald Larsen MD, Pacific Palisades CA  
Gail Lee, REHS, San Bruno CA  
Victoria Leonard, RN, NP, PHD, Berkeley, CA  
Ellen Levine, PhD, MPH, Castro Valley, CA  
Rita Lewis, RN, PHN, Emeryville, CA  
Andrei Livanu RRT, Ontario CA  
Cynthia Mahoney, MD, Danville, CA  
Shelley Marder, MD, San Francisco, CA  
Michael Martin, MD, Santa Rosa, CA  
Margaret Matsui, RN, CRRN, COHN-S, Gardena, CA  
Nancy Mauter, Physical Therapist, Los Osos, CA  
Ellen McKnight, RN, MSN, WHNP, Glen Ellen, CA  
Robert Meagher, MD, Sacramento, CA  
Robert Midgley, MD, Carmichael, CA  
Jennifer Miller PhD Berkeley, CA  
Anthony Molina, MD, Fresno, CA  
Frances Molina, AE-C, Porterville, CA  
Anthony Molina, MD, Fresno CA

Patrick Moore, RRT, Torrance, CA  
Janice Murota, MD, Berkeley, CA  
Debbie Mytels, Patient advocate, Palo Alto, CA  
Pooneh Navab, MPH, San Bernardino, CA  
Thomas Newman, MD, MPH, San Carlos, CA  
John Oda, RN, San Francisco CA  
Daniel Oh, MD, Fullerton, CA  
Edward Ornelas, RN, Los Angeles, CA  
John Palmerlee, Physicist, Santa Rosa, CA  
Jinha Park, MD, PhD, Buena Park, CA  
Sonal Patel, MD, Los Angeles CA  
Mona Patel, MD, Los Angeles CA  
Lisa Patel, MD, San Francisco, CA  
Mechelle Perea-Ryan, FNP, Oakdale, CA  
Janet Perlman, MD, MPH, Berkeley CA  
Nancy Perrin RCP, CRT, Clearlake, CA  
David Pham, MD, Westmineter, CA  
Darcy Pickens, MPH, CHES, Visalia CA  
Julie Pontarolo, RRT, Stockton, CA  
Larry Posner, MD, Napa CA  
Ann Raish, LVN, Murrieta CA  
Julie Ray, RN, MSN, CCRN, Sacramento, CA  
Dan Raz, MD, Duarte CA  
Herendira Razcon, Long Beach CA  
Suzanne Ridel, MSW MPH, El Cerrito, CA  
Paolo Rinaudo, MD PHD, San Francisco, CA  
Wendy Ring, MD, MPH, Bayside, CA  
Margaret Christine Robinett, DC, MSTCM, San Jose CA  
Yuri Rodriguez, MSN, Duarte CA  
Ruth Rogow, RN, FNP, CNM, MSN, Berkeley CA  
Dorothy Ruggles, RN, San Francisco, CA  
Leslie Sakai, RN, Berkeley, CA  
Timothy Sankary, MD, MPH, Santee CA  
Barbara Sattler RN, MPH, DrPH, Forestville CA  
Ellen Shaffer, PhD MPH, San Francisco CA  
Neha Shah, MD, Oakland, CA  
David Shearn, MD, San Francisco, CA  
Tanya Stevenson, EdD, MPH, San Francisco CA  
Avril Swan, MD, San Francisco , CA  
Tami Tittelfitz, DNP, NP-C, Duarte CA  
Tasha Toliver, MHED, San Francisco, CA  
Karin Urso, RN, MSN, PHN, Bakersfield, CA  
Daya Upadhyay, MD, Fresno CA  
Oralia Vallejo, Health Educator, Hanford, CA

Aaron Venable, MD, San Diego, CA  
Sandra Viera, MPA, Oakland CA  
Andrew Wallach, MD, El Cerrito, CA  
Angela Wan, BSN, MHSA, MS Fresno CA  
Li-hsia Wang, MD (FAAP), Berkeley CA  
David Warburton, MD, Los Angeles CA  
Kinari Webb MD, San Francisco CA  
Tess Webster-Henry, MS, San Bernardino, CA  
Angelo Wiliams, EdD, Sacramento, CA  
Dan Woo, MPH, Sacramento CA  
Hacah Boros, RN, MSN, Plantsville, CT  
Amy Chadwell, RRT, New Haven, CT  
Connie Dills, RRT, RPFT, West Hartford, CT  
Robert Dubrow, MD, PhD, New Haven, CT  
Kristina Dzwonchyk, RRT CPFT, New Britain, CT  
David Hill, MD, Middlebury, CT  
Anne Hulick RN, MS, JD, Cromwell CT  
Leticia Lopez RRT, New Britain, CT  
Kerry McNiven, MS, RRT, Simsbury, CT  
Maureen Parmelee, MS, RRT Bridgeport, CT  
Jane Reardon, MSN, APRN, Hartford, CT  
Anna St. John, MSN RN, Waterbury CT  
Jill Strawn, EdD, RN, New Haven, CT  
Helen Young, RRT, Wallingford, CT  
Rani Gereige, MD, MPH, Miami, FL  
Anne Mellinger-Birdsong, MD, MPH, Atlanta, GA  
Yolanda Whyte, MD, Atlanta, GA  
Steven Herwig, DO, RPh, MBA, West Des Moines, IA  
Nahiris Bahamon, MD, Chicago, IL  
Ted Shieh, MD, Lisle, IL  
Marijane Barrett, RN, MSN, Weymouth, MA  
Amy Collins, MD, Wellesley, MA  
Diane Ferguson, MSN, RN, Melrose MA  
Marissa Hauptman, MD, MPH, Boston MA  
Catherine Horwitz, MD, MPH, Wayland, MA  
Cindy Ku, MD, Boston, MA  
Lucy Marcil MD, MPH, Boston MA  
Veronica Morais, RRT, East Greenwich MA  
Gloria Oppen, MS, BS, RN, NP-C, Waban, MA  
Ann Ottalagana, PTA, Southwick, MA  
Krupa Patel, MD, Boston, MA  
Jim Recht, MD, Boston, MA  
Beth Zeeman, MD, Newton, MA  
Maria Brown, MD, Baltimore MD

Cara Cook, RN, MS, AHN-BC, Baltimore, MD  
Kelli DePriest, RN, BSN, CCRN, Baltimore, MD  
Barbara Friend, MSN, Oakland, MD  
Robyn Gilden PhD, RN, Baltimore, MD  
Katie Huffling, MS, RN, CNM Mount Rainier MD  
Lisa Jordan, PhD, RN, CNE, Bethesda MD  
Karen Kuehl, MD, MPH, Silver Spring, MD  
Gibran Mancus, MSN-Ed, RN, Baltimore, MD  
Pat McLaine, DrPH, MPH, RN, Baltimore, MD  
Karin Russ, MS, RN, Ellicott City, MD  
Mona Sarfaty, MD MPH, Chevy Chase, MD  
Lise Van Susteren, MD, Bethesda, MD  
Kay Vandenberg, MD, Ellicott City, MD  
Charlotte Wallace, RN, MS, Arnold, MD  
Julie Osgood, DrPH, Portland, ME  
Marguerite Pennoyer, MD, Scarborough, ME  
Elizabeth Del Buono, MD, Traverse City, MI  
Erica Basile-Gimpel, RRT, Southgate, MI  
Teena Culhane, RRT, Royal Oak, MI  
Anne Hamilton, BS, RRT, Bay City, MI  
Joyce Stein, RN, BSN, Brooklyn, MI  
Kindra Weid, RN, BSN, MPH, Manchester, MI  
Carissa White RTT-ACCS, Ann Arbor, MI  
Maggie Mathison, RN, BSN, PHN, Minneapolis, MN  
Mike Menzel, MD, Edina, MN  
Robert Byron MD, MPH, Hardin, MT  
Lori Byron, MD, Hardin, MT  
Paul Smith, DO, Missoula, MT  
Julie Jacobson Vann, PhD, MS, RN, Chapel Hill, NC  
Karin Yeatts, PhD, Chapel Hill, NC  
Anabela Santos, BSN, RN, HNB-BC, Parlin, NJ  
Valory Wangler, MD, Zuni, NM  
Cappy Collins, MD, MPH, New York, NY  
Elizabeth Garland, MD, MS, New York, NY  
Steven Goldstein, MD, Albertson, NY  
Elizabeth Haase, MD, Carson City, NV  
Kevin Hu, Medical Student, New York, NY  
Ilana Kulman, MD, New York, NY  
Maria Linden MD, New York, NY  
Barbara Milrod, MD, New York, NY  
Barton Schoenfeld, MD, FACC, Valatie, NY  
Emily Senay, MD, MPH, New York, NY  
Perry Sheffield, MD, MPH, New York NY  
Peggy Berry, PhD, RN, COHN-S, Dayton, OH

Alice Frazier, MD, Delaware, OH  
Beatrice Hodovanic, MSN, RN, CCRN, Cincinnati, OH  
Sumita Khatri, MD, Cleveland OH  
Ben Kopp, MD, Columbus, OH  
Susan Tullai-McGuinness, MPA, PhD, Painsville, OH  
Abby Villarroya, PhDc, MSN, RN, Cincinnati, OH  
Rebecca Geary, RN, Fairview, OR  
Andy Harris, MD, Portland, OR  
Jessica Schemm, MD, Tualatin, OR  
Susan Benay Berger, RN, Bethlehem, PA  
Ewa Dworakowski, Camp Hill, PA  
Walter Tsou, MD, MPH, Philadelphia, PA  
Grace Fortuna, RN, EdD, CHES, FAAOHN, Newtown, PA  
Kristin Brennan, MD, Hershey, PA  
Melissa Coleman, Dr., Hershey, PA  
Devin Cunningham, SN, West Chester, PA  
Donna Novak, RN, DNP, CRNP, Bethlehem, PA  
Alan Peterson, MA, Lancaster, PA  
Walter Tsou, MD, MPH, Philadelphia, PA  
Jorge L. Nina Espinosa, MS, San Juan, PR  
Angela Butler RRT-NPS, CPFT, Providence, RI  
Linda Mendonca, MSN, APHN-BC, Providence, RI  
Karen Barrett, RN, COHN-S, CHSP, FAAOHN, Corinth, TX  
Adelita Cantu, PhD, RN, San Antonio, TX  
Lauren Mangini, RD, Austin, TX  
William Perkison, MD, MPH, Houston, TX  
Samantha Ahdoot, MD, Alexandria, VA  
Janet Eddy, MD, Richmond, VA  
Matthew Burke, MD, Arlington, VA  
Rebecca Coviello, RN, Richmond, VA  
Linda Hudgens, RN, Midlothian, VA  
Paul Jerome, MD, Alexandria, VA  
Rebecca Meyers, RN, Richmond, VA  
Kathleen Mitchell, RN, BSN, CPNP, Petersburg, VA  
James Nataro, MD, PhD, Charlottesville, VA  
Lois Rowland, RRT, Midlothian, VA  
Ina Stephens, MD, Charlottesville, VA  
Stephen Brittain, MD, Rutland, VT  
Ingrid Camelo, MD, Shelburne, VT  
Dave Charnock, MD, Rutland VT  
Margaret Daly MD, Rutland VT  
Kira Fiset, MD, Rutland, VT  
Ginger Gillette-Kent, NP, MSN, Rutland, VT  
John Gottung, RRT, Bennington, VT

Mark Jacob, MD, FCCP, Rutland, VT  
David Kaminsky, MD, Burlington, VT  
Michael Kenosh, MD, Rutland, VT  
Philip Lapp, MD, Rutland, VT  
Kenneth Mar, MD, Rutland, VT  
Linda McKenna, RPAC, Rutland, VT  
Julie Poulin, MD, South Chittenden, VT  
Harvey Reich, MD, Rutland, VT  
Diane Tabachnick, PA-C, Rutland, VT  
Richard Valentinetti, MPH, Moretown, VT  
Thomas Donnelly MD, Friday Harbor WA  
Steven Gilbert PhD, WA  
Deborah Merrill, MD, Seattle WA  
Michael Soman, MD, MPH, Bainbridge Island, WA  
Sandra Chacko, PhD, Washington DC  
Duncan Davidson, MD, Washington DC  
Tee Guidotti, MD MPH, Washington DC  
Kristie Trousdale, MPH, Washington DC  
Caroline Wellbery, MD, Washington DC