



DRAFT 2016 AIR QUALITY MANAGEMENT PLAN



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ACTING EXECUTIVE OFFICER:

WAYNE NASTRI

CONTRIBUTORS

South Coast Air Quality Management District (SCAQMD)

Wayne Nastri
Acting Executive Officer

Philip M. Fine, Ph.D.
Deputy Executive Officer
Planning, Rule Development & Area Sources

Jill Whynot
Assistant Deputy Executive Officer
Planning, Rule Development & Area Sources

Henry Hogo
Assistant Deputy Executive Officer
Science and Technology Advancement

Tracy Goss, P.E.
Planning and Rules Manager
Planning, Rule Development & Area Sources

Susan Nakamura
Director of Strategic Initiatives
Planning, Rule Development & Area Sources

Authors

Wayne Barcikowski - Air Quality Specialist
Marc Carreras Sospedra – Air Quality Specialist
Kalam Cheung, Ph.D. – Air Quality Specialist
Shoreh Cohanin – Air Quality Specialist
Kevin Durkee – Senior Meteorologist
Ed Eckerle – Program Supervisor
Scott Epstein, Ph.D. – Air Quality Specialist
Salvatore Farina – Temporary Air Quality Specialist
Kelly Trainor Gamino - Air Quality Specialist
Ali Ghasemi, P.E. – Program Supervisor

Jo Kay Ghosh – Health Effects Officer
Eugene Kang – Program Supervisor
Aaron Katzenstein, Ph.D. – Program Supervisor
Michael Krause – Program Supervisor
Michael Laybourn – Air Quality Specialist
Jong Hoon Lee, Ph.D. – Air Quality Specialist
Sang-Mi Lee, Ph.D. – Program Supervisor
Kevin Orellana – Air Quality Specialist
Payam Pakbin, Ph.D. – Air Quality Specialist
Xinqi Zhang – Air Quality Specialist

Contributors

Jillian Baker, Ph.D. – Program Supervisor
Mark Bassett, Ph.D – Air Quality Specialist
Richard Carlson – Air Quality Specialist
Joe Cassmassi – Director of Planning & Rules (Retired)
Salvatore Farina – Temporary Air Quality Specialist
Heather Farr – Program Supervisor
Krista Kline – Temporary Air Quality Specialist
Rongsheng Luo – SCAG Program Manager
Michael Morris – Program Supervisor

Roxanne Ngo – Student Intern
Anthony Oliver, Ph.D. – Air Quality Specialist
Lisa Tanaka O’Malley – Community Relations
David Ono – Program Supervisor
Olga Pikelnaya– Air Quality Specialist
Andrea Polidori, Ph.D. – Quality Assurance Manager
Dean Saito – Fleet Implementation Manager
Susan Yan – Air Quality Specialist
Patti Whiting – Staff Specialist

Reviewers

Barbara Baird, J.D. – Chief Deputy Counsel
Megan Lorenz, J.D. – Senior Deputy District Counsel

William Wong, J.D. – Principal Deputy District Counsel

Production

Leah Alfaro – Senior Office Assistant
Celia Diamond – Secretary
Arlene Farol – Senior Administrative Secretary
Cristina Lopez – Senior Administrative Secretary

Jacob Steins – Summer Intern
SCAQMD Graphics Department
SCAQMD Print Shop

PREFACE

Southern California's historic battles with poor air quality are well documented. Since the mid-20th century, the greater Los Angeles region has been at the forefront of air pollution science, low-emissions technology development, and innovative air quality regulation. As long-time residents of the South Coast Air Basin can attest, these efforts have led to substantial and noticeable improvements in air quality and public health, all during a period of dramatic increases in economic activity, population, and vehicle miles traveled. Technological advances in pollution controls, pollution prevention, clean fuels, alternative energy, and combustion processes have been and will be the key to past and future progress. Less than two decades ago, newly established PM_{2.5} standards seemed unattainable. However, through strong emission reduction efforts at the local, state and federal levels, the Basin has met the original standards and is on track to meet the revised, more stringent standards by their statutory deadlines.

Despite these successes, significant health impacts from poor air quality still confront the region. Our unique topography and meteorology, along with emissions from millions of vehicles and a thriving goods movement industry, continue to produce the worst ozone pollution in the nation. New scientific information on the health impacts of air pollution has led to progressively more stringent air quality standards to better protect public health. Limited local authority to control certain sectors of mobile sources that account for the majority of emissions poses policy challenges. Future climate variation and the effect of drought conditions add further uncertainties. Finally, as the most cost-effective emissions controls are implemented, it becomes harder to identify and implement new cost-effective control measures while minimizing impacts to the local economy and businesses.

Existing rules, regulations and programs are not sufficient to fulfill the South Coast Air Quality Management District's public health mandate. In the next seven to fifteen years, the region must achieve substantial additional reductions in nitrogen oxide emissions in order to attain the ozone standards by the approaching deadlines. Previous Air Quality Management Plans have relied heavily on unspecified future technological developments to get us there. But given the short time horizons and the emission reduction needs, there is now a need to develop specific pathways to attainment in order to clarify and accelerate the necessary actions to achieve our air quality goals.

More stringent mobile source emission standards are desperately needed to spur further development and production of zero- and near-zero emission technologies. But even with more stringent standards, natural turnover of existing vehicles and equipment will not be fast enough to achieve the requisite technology penetration. Therefore, incentives to accelerate fleet turnover in the Basin are a major element of this Plan. While previous incentive programs have been very successful in achieving real emission reductions, the incentive funding levels needed for attainment are significantly more than what has been allocated to date. Securing the necessary funding will not be easy, but through coordinated advocacy and outreach, integrated planning, coalition building, key partnerships, and political will, it is within reach.

Fortunately, there is reason to be optimistic. For the first time, specific technologies needed to achieve the ozone standards are well-defined. Many are or will be commercially available within the next few years. New technology costs have dropped and will continue to do so with refinements and higher-volume production. We can now envision future technology deployment scenarios that are consistent with attainment.

When the public, business stakeholders, and policy makers come together and express that the national poster-child of poor air quality can actually achieve what was once thought impossible, when we articulate the benefits to public health, the local economy, and the attractiveness of the region, and when we demonstrate how disparate interests can unite in a common cause to solve environmental problems, the investments in our future should follow. This 2016 Air Quality Management Plan provides the basis to continue and strengthen the region's campaign for clean air and a healthful future for our residents.