



PUBLIC POLICY POSITION

POSITION TITLE: **Healthy Air**
DATE APPROVED: **November 6, 2010**

POLICY PRINCIPLE ON HEALTHY AIR

All people are entitled to breathe healthy air and to be free of the adverse health effects of indoor and outdoor air pollution. The American Lung Association strongly supports safe, healthful air for all. Environmental policies must protect the public against acute and chronic adverse health effects. The American Lung Association is especially concerned about the effects of air pollution on the health of vulnerable populations, including people with lung diseases such as asthma, lung cancer, and chronic obstructive pulmonary disease (COPD), the elderly and children. All available strategies, including public education and outreach, research, legislation, regulation and litigation, should be employed as necessary to protect the public health.

Alternative Energy Sources

The American Lung Association strongly supports measures to reduce air pollution caused by fuel combustion in transportation, industry, electricity generation and housing. The American Lung Association recognizes that alternative energy sources can play an important role in the reduction of fossil fuel use and that they can vary significantly in their impact on lung health because of their composition and application. Therefore, the American Lung Association supports the assessment of the impact on lung health of all energy sources to include the full life-cycle of the fuel from production to use and disposal. The American Lung Association supports using alternative energy sources that produce the least harm to lung health to replace or supplement combustion.

Clean Air Act

The Clean Air Act has proven to be one of the nation's premier public health measures, enabling the nation to protect the health of millions of people from dangerous air pollutants. Through the Act, Congress clearly established enforceable deadlines and processes for setting and attaining national air quality standards. The Act has shown its effectiveness by significantly reducing ambient air pollution from 1970 levels. The documented benefits from the lower pollution levels have greatly exceeded the implementation costs. The American Lung Association supports strengthening the Clean Air Act and opposes any measures that weaken the important public health protections it provides.

Climate Change

The American Lung Association recognizes that climate change is a serious threat to human health. Climate change has been predicted to cause changes in regional weather patterns that can alter the distribution of pollutants, impact the formation of ozone and increase emissions from

fires, dust and vegetation, including pollen. Increased temperatures may increase the impact of ozone and particulate matter on human health. Current estimates predict warmer temperatures will lead to significantly higher ozone levels than would otherwise be the case by 2050. Ozone is a potent greenhouse gas and particulate matter, especially black carbon, and other gaseous pollutants contribute to climate change. The American Lung Association supports efforts to reduce all emissions that contribute to climate change, including establishing binding limits on emissions, expanding energy conservation and increasing use of clean, renewable sources. Pollution control strategies, including market-based approaches, must directly reduce local adverse air quality impacts, in addition to addressing any global impacts. The American Lung Association supports targeting those emissions that contribute to ambient air pollution that can directly and immediately harm health. The American Lung Association supports efforts to assist communities and people to adapt, especially those who face higher risk from the impacts of climate change.

Energy Policy

The American Lung Association believes that the goals of a sound energy policy and protection of respiratory health converge toward policies that maximize conservation, energy efficiency and the use of cleaner energy sources. Energy efficiency measures should not be implemented in a manner that results in unhealthful indoor air quality. The American Lung Association favors policies that encourage the transition from coal or oil power plants to cleaner technologies. The American Lung Association recommends that all energy production facilities use state-of-the-art pollution control technologies to protect public health. Furthermore, the American Lung Association recommends requiring all existing energy production facilities to meet the same pollution control standards as new facilities.

Environmental Justice

The American Lung Association supports the protection of all people from the harm from nearby sources of air pollution, especially those who suffer disproportionate exposure. The American Lung Association supports the formulation, execution and enforcement of health and environmental laws and policies to reduce such exposures. The American Lung Association supports regular, thorough assessments of the impacts to nearby communities from sources of dangerous pollutants, including during the planning for highways and other transportation sources; industrial, commercial, and institutional industrial boilers; and other facilities. The American Lung Association will work to reduce the disproportionate share of the nation's environmental health burden borne by economically disadvantaged and politically disenfranchised communities.

Hazardous Air Pollution

The American Lung Association supports the use of the least hazardous materials, chemicals and processes to reduce the potential exposure to hazardous air pollutants whenever possible. The American Lung Association supports policies that emphasize preventing hazardous chemical accidents and fully protecting workers and communities when such accidents occur. The American Lung Association supports continued and expanded reporting to the public of hazardous air pollutants released by public or private sources. The American Lung Association supports maintenance of a scientifically-reviewed listing of pollutants and the strengthening of controls for hazardous air pollutants through use of maximum achievable control technologies. The American Lung Association also supports increased research on the acute and chronic health

effects of hazardous air pollutants and for establishing better models for predicting and monitoring the impact of these releases.

Healthy Air Infrastructure

The American Lung Association supports the state and local agencies responsible for specific strategies to reduce air pollution and protect the health of their communities, including the responsibility to monitor emissions; issue permits; inspect sources of pollution; and oversee and enforce codes and laws. The American Lung Association supports adequate funding for these agencies to protect the health of everyone in their communities. The American Lung Association supports the strengthening and expansion of the nation's network of air pollution monitors. The American Lung Association supports strengthening the fundamental, historical public health tools to reduce indoor and outdoor air pollution, including building and housing codes, as well as nuisance laws. The American Lung Association opposes the federal pre-emption of states' ability to require stronger protections for clean, healthy air.

Indoor Air Quality—Public spaces and work places

Everyone is entitled to a safe and healthy indoor and workplace environment. Workplaces include outdoor workplaces, such as agricultural, transportation, mining, and emergency services. The American Lung Association supports measures to improve indoor and workplace air quality through the use of regulations, standards, guidelines and management practices to protect the public health in indoor public spaces and workplaces. The American Lung Association supports measures to require totally smokefree environments. Effective indoor air quality measures protect primarily through the control and elimination of sources of pollution and the provision and maintenance of adequate, healthy ventilation. The American Lung Association urges specific planning for the prevention and cleanup of indoor and workplace air problems, including planning for emergency response.

Indoor Air Quality—Residential

Everyone is entitled to a safe and healthy indoor environment. Effective indoor air quality measures protect primarily through the control and elimination of sources of pollution and the provision and maintenance of adequate, healthy ventilation. The American Lung Association supports construction standards, building and housing codes, disclosure and mitigation requirements, and enforcement measures that will protect public health in residential spaces. The American Lung Association supports measures to require totally smokefree environments in multi-unit housing and to encourage smokefree single family housing, recognizing that no ventilation system or other alternative provides adequate protection. The American Lung Association supports efforts to decrease the risk to lung health from household products and materials in the home, including building materials.

Indoor Air Quality – Schools and Childcare Facilities

Everyone is entitled to a safe and healthy indoor environment, especially children. The American Lung Association recognizes that childcare facilities and schools, attendance at which is mandated by statute, merit special concern. Children's growing lungs are highly vulnerable to harm from unhealthy air and the typical classroom has many more occupants than the same floor space in an office building. The American Lung Association supports measures to improve indoor air quality through the use of regulations, standards, guidelines and management practices to protect the health of children and workers in schools and child care facilities, such as the U.S.

EPA's Indoor Air Quality Tools for Schools. Effective indoor air quality measures protect primarily through the control and elimination of sources of pollution and the provision and maintenance of adequate, healthy ventilation. The American Lung Association supports measures to require totally smokefree environments. The American Lung Association urges specific planning for the prevention and cleanup of indoor air problems, including planning for emergency response.

International Environments

The American Lung Association strongly supports a healthful environment worldwide. Pollution sources should be required to maintain state-of-the-art pollution controls to protect public health. International goods movement, including ocean-going vessels, marine vessels, trucks, and locomotives, should reduce emissions by incorporating clean fuels including ultra low-sulfur diesel fuel and the best available pollution control technology. International air travel should use systems, fuels and pollution control technology that will reduce emissions worldwide. The American Lung Association supports efforts to improve both indoor and outdoor air quality worldwide.

Land Use and Transportation

The American Lung Association believes that land use and transportation affect the health and welfare of the American people. The American Lung Association supports policies that encourage appropriate mixed-use development, mass transit and alternative transportation options such as walking and bicycling. The American Lung Association recommends land use development that is organized and coordinated to protect the environment and public health. The American Lung Association supports a strong nationwide monitoring network for near-roadway exposures to air pollutants, particularly where people live, work and attend school near busy roadways.

Mobile Sources

The American Lung Association strongly supports measures to reduce pollution caused by motor vehicles and other mobile sources. The American Lung Association urges U.S. Environmental Protection Agency to issue strong emissions standards for mobile sources that reduce emissions in accordance with the requirements of the Clean Air Act. The American Lung Association supports stringent, technology-forcing measures to reduce emissions from mobile sources including the use of advanced low or zero emission technology; the use of the cleanest fuels available for all mobile sources, including low polluting alternative fuels; and the use of equipment to further reduce emissions in existing vehicles. The American Lung Association supports strict enforcement and compliance, such as test-only vehicle inspection and maintenance programs, including those for heavy duty diesel vehicles. The American Lung Association supports measures to reduce or eliminate vehicle idling and to accelerate the cleanup of legacy diesel engines, including onroad, marine, locomotive and non-road engines. The American Lung Association supports controls on emissions of toxic air pollutants from mobile sources. The American Lung Association supports emissions requirements for aircraft that are comparable in stringency to other mobile source emissions standards and supports measures, including regulation, to reduce aviation emissions.

National Air Quality Standards

The primary National Ambient Air Quality Standards (NAAQS) must be set solely on the basis of the protection of public health, as required by the Clean Air Act. The American Lung Association supports the NAAQS development and revision process as delineated in the Clean Air Act of 1970 and amended through the 1990 Amendments, and opposes the use of cost/benefit analysis or technological feasibility in the standard-setting process. The American Lung Association recognizes and supports the Clean Air Act delegation of the nation's standard-setting responsibility to the U.S. Environmental Protection Agency.

Pesticides and Herbicides

The American Lung Association supports the use of integrated pest management as a primary approach to reducing exposure to pests, including animals, insects and plants, in residences, public spaces and workplaces. Integrated pest management is a recognized and tested comprehensive approach that prevents and eliminates pests by reducing their habitats and food sources. The Lung Association urges the adoption of policies that require schools and child care facilities to practice integrated pest management, and adopt strategies to minimize or eliminate the exposure to pesticides and herbicides.

Radon

The American Lung Association supports measures to reduce exposure to indoor radon to protect public health. The American Lung Association supports setting the action level or standard for radon solely based on the protection of public health with an adequate margin of safety, and a regular review of the scientific research recurring no more than every five years to determine that level. The American Lung Association strongly supports public education programs regarding the health risks of elevated indoor radon levels and the need for radon testing and mitigation. The American Lung Association supports the adoption of building codes that require new construction to meet guidelines for radon resistance. The American Lung Association supports requirements in real estate transactions that require disclosure of radon testing results to purchasers. The American Lung Association recommends that all federally-funded housing, including public housing, and all schools be tested for radon and mitigated as needed.

Research: Healthy Air

The American Lung Association strongly supports research to discover, understand, and reduce the impact of indoor and outdoor air pollutants on lung health and lung disease. Research should investigate measures to identify and eliminate disparities in exposure to indoor and outdoor pollutants, particularly for low socioeconomic and minority populations. Research should be conducted in a legal, ethical and humane manner. The American Lung Association supports increased federal funding levels for environmental and intervention research and research training programs. The American Lung Association supports improved surveillance and tracking of risk factors and exposure to environmental health risks, especially indoor and outdoor air pollutants.

Residential Wood Combustion

The American Lung Association recognizes that pollution from wood burning poses a significant health threat. The American Lung Association calls for effective enforcement of existing regulations and ordinances governing wood burning, as well as the addition and expansion of regulations to reduce emissions. The American Lung Association encourages the U.S.

Environmental Protection Agency to strengthen its woodstove certification standard. Individuals should avoid burning wood in houses where less polluting heating alternatives are available. The American Lung Association supports increased funding or financial incentives to encourage changing out polluting devices, particularly for low-income persons. The American Lung Association recommends against the use of outdoor wood boilers for residential heating or other purposes. The American Lung Association supports measures to eliminate or regulate outdoor wood boilers. The American Lung Association recommends that more resources be devoted to research on health effects of burning wood and “wood substitute” products.

Right-To-Know

The American Lung Association supports the public’s right-to-know about air quality, pollution emissions and environmental hazards in their community, school, childcare facility, housing and workplace. The American Lung Association supports right-to-know laws, public education and awareness efforts and other measures to accomplish this objective.

Stationary and Area Sources

The American Lung Association supports measures to ensure the reduction or elimination of air pollution emissions from stationary sources, especially from power plants; biomass plants; and industrial, commercial and institutional boilers. The American Lung Association also supports measures to ensure the reduction or elimination of air pollution emissions from area sources, especially from industrial and architectural coatings and solvents. U.S. Environmental Protection Agency should adopt stringent emissions control regulations for these sources.

Victims’ Rights

The American Lung Association supports preserving all available avenues for citizens, governments and others to bring actions to seek compensation for and protection from injury and/or disease attributable to environmental exposure, especially injuries related to lung health. The civil justice system's ability to address misconduct and protect public health must not be preempted. The American Lung Association supports alternative systems, using sound scientific and medical criteria to determine injury, which allow full and fair compensation for victims, so long as those systems are completely voluntary and do not diminish legal rights.

Waste Disposal

The American Lung Association supports reducing the lung health and environmental impact of refuse by: first, reducing the use of materials in production, packaging and purchasing; second, reusing materials whenever possible; and third, recycling or composting as much of the remainder as possible. The American Lung Association urges the use of safe non-combustion alternatives to dispose of all remaining waste. The American Lung Association recommends that any combustion of waste must employ maximum achievable control technology on all facilities, continuous emission monitoring or modeling of emissions, stack testing, annual inspections and testing, and specific monitoring of air quality within the general plume fall zone. The American Lung Association supports the safe control of emissions from landfills and composts. The American Lung Association opposes residential leaf burning and other unregulated burning, including the use of outdoor wood boilers for waste disposal. The American Lung Association recommends that only clean vehicles, equipment and vessels should be used collecting and moving solid waste and removing ash.