



City of Carson Report to Mayor and City Council

January 18, 2011
New Business Consent

SUBJECT: CONSIDERATION OF RESOLUTION NO. 11-010 TO SUPPORT THE CALIFORNIA AIR RESOURCES BOARD IN PROMOTING CLEAN AND ENERGY EFFICIENT MOTOR VEHICLES ENERGY INDEPENDENCE, ZERO EMISSION TECHNOLOGIES AND IMPROVED QUALITY OF LIFE


Submitted by Clifford W. Graves
Interim City Manager


Approved by Clifford W. Graves
Interim City Manager

I. SUMMARY

This item is on the agenda at the request of Mayor Dear.

Adoption of Resolution No. 11-010 (Exhibit No.1) will demonstrate the City Council's support for the California Air Resources Board and its effort to reduce automobile emissions in California.

II. RECOMMENDATION

TAKE the following actions:

1. WAIVE further reading and ADOPT Resolution No. 11-010, "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CARSON, CALIFORNIA, TO SUPPORT THE CALIFORNIA AIR RESOURCES BOARD IN PROMOTING CLEAN AND ENERGY EFFICIENT MOTOR VEHICLES, ENERGY INDEPENDENCE, ZERO EMISSION TECHNOLOGIES AND IMPROVED QUALITY OF LIFE."
2. DIRECT staff to transmit an executed copy of the resolution to the American Lung Association and California Air Resources Board.

III. ALTERNATIVES

TAKE another action the City Council deems appropriate.

IV. BACKGROUND

The American Lung Association in California is requesting the City Council to strongly support the California Air Resources Board in their efforts to adopt enhanced motor standards, reduce California's air pollution burden, meet climate change goals and reduce petroleum consumption. The clean car programs include an enhanced clean car regulation that will reduce greenhouse gas emissions further than the federal standards adopted in 2010; stricter tailpipe standards for smog and soot emissions (Low Emission Vehicle III); and, an improved Zero Emission Vehicle regulation to spur a greater market for advanced clean cars.

8.

California is home to some of the worst air pollution in the United States. The American Lung Association’s 2010 State of the Air report found that over 90 percent of Californians live in areas that fail to meet health-protective air quality standards. Motor vehicle emissions are a leading source of harmful emissions in California, contributing significantly to the public health threats of air pollution and climate change. The development of alternative fuels and vehicles to replace the almost 30 million gasoline and diesel-powered cars on California roads today is imperative to improving and protecting the public’s health and meeting the state’s greenhouse gas emission reduction goals.

V. FISCAL IMPACT

None.

VI. EXHIBITS

1. Resolution No. 11-010. (pgs. 3-4)
2. California Clean Cars Campaign Fact Sheet. (pgs. 5-6)

Document4

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TO:Rev010511

Reviewed by:

<u>City Clerk</u>	<u>City Treasurer</u>
<u>Administrative Services</u>	<u>Development Services</u>
<u>Economic Development Services</u>	<u>Public Services</u>

Action taken by City Council	
Date _____	Action _____

RESOLUTION NO. 11-010

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CARSON, CALIFORNIA, SUPPORTING THE CALIFORNIA AIR RESOURCES BOARD'S IN PROMOTING CLEAN AND ENERGY EFFICIENT MOTOR VEHICLES, ENERGY INDEPENDENCE, ZERO EMISSION TECHNOLOGIES AND IMPROVED QUALITY OF LIFE

WHEREAS, California is experiencing a public health crisis due to poor air quality, with over 90% of Californians living in areas that exceed federal health-based ozone standards; and exposure to elevated levels of ozone and other pollutants such as particulate matter annually contributes to hundreds of thousands of asthma attacks and tens of thousands of hospitalizations and premature deaths due to heart and lung disease; and recent research conducted by the RAND Corporation found that hospital care related to elevated pollution levels in California cost nearly \$200 million from 2005 to 2007; and

WHEREAS, the impacts of global climate change are projected to compound this air quality and public health crisis; and

WHEREAS, motor vehicles are significant emitters of ozone precursors, particulates and air toxics, and the single largest anthropogenic source of global warming causing greenhouse gas emissions in California; and

WHEREAS, California's dependence on petroleum for 97 percent of its transportation needs and its reliance on imported oil leaves California susceptible to volatile pricing and supply disruptions; and

WHEREAS, California has been a national leader in advancing cleaner vehicle technologies by developing and implementing motor vehicle regulations under its federal Clean Air Act authority; and

WHEREAS, the California Legislature enacted AB 1493 (Pavley, 2002) directing the California Air Resources Board to adopt regulations to achieve the maximum feasible and cost-effective reduction in greenhouse gases from passenger vehicles; and the California Air Resources Board adopted clean vehicle regulations in 2004; and

WHEREAS, thirteen other states and Washington D.C. have adopted California's regulations; and in coordination with the Obama Administration and America's automobile manufacturers, the United States Environmental Protection Agency and the United States Department of Transportation have based new national standards on California's clean car regulations; and

WHEREAS, in 2010, the California Air Resources Board plans to develop and adopt new regulations to reduce vehicle emissions of criteria air pollutants and greenhouse gases and to promote the development and deployment of clean fuel infrastructure and zero emission vehicle technology options for consumers; and

WHEREAS, strengthening California's motor vehicle programs will improve California's air quality, promote energy independence, support new jobs and investments in clean technology, help California achieve its goal of reducing global warming emissions, and will continue California's long history of national leadership on air quality and environmental policy.



NOW, THEREFORE, BE IT RESOLVED, that the City Council of the city of Carson, California, urges the State of California and the California Air Resources Board to continue its national and international leadership role in reducing greenhouse gases and promoting clean vehicle technologies by quickly moving forward to develop and adopt expanded Low Emission Vehicle (LEV III) standards to reduce criteria air pollutants and greenhouse gases and to strengthen the state's Zero Emission Vehicle (ZEV) and Clean Fuels Outlet (CFO) infrastructure programs to protect the health of California's economy, environment and its people.

PASSED, APPROVED and ADOPTED this 18th day of January, 2011.

ATTEST:

Mayor Jim Dear

City Clerk Helen S. Kawagoe

APPROVED AS TO FORM:

City Attorney



California Clean Cars Campaign

California's Clean Cars Program FACT SHEET

California's Clean Cars Program is set to bring the next generation of clean, low-polluting cars and light trucks into the driveways of California's families. **The California Air Resources Board will vote on important updates to the Clean Cars Program in 2011.**

Advanced Clean Cars Will Dramatically Cut Our Oil Dependence and Leave Us Less Vulnerable to Volatile Oil Prices.

- 97% of California's transportation relies on oil.ⁱ
- Just before the recent financial collapse, oil spiked to \$147 a barrel.ⁱⁱ
 - Huge spikes in oil prices preceded four of the last five global recessions.ⁱⁱⁱ
- A former Shell Oil president predicts Americans will be paying \$5 a gallon for gasoline by 2012.^{iv}
- Every day, Californians spend about \$129 million on gasoline and diesel.^v
- New automotive fuel efficiency standards would save Californians more than \$13 billion in 2030.^{vi}

Advanced Clean Cars Will Reduce Dangerous Air Pollutants, Improving California's Air Quality.

- Largely due to traffic pollution, California is home to some of the worst air pollution in the nation.^{vii}
- Every year, at least 9,200 premature deaths can be attributed to California's air pollution.^{viii}
- Children^{ix} and low-income families^x are especially vulnerable to health problems caused by poor air quality.
- Hospital care costs related to bad air quality cost California nearly \$200 million from 2005 to 2007.^{xi}

Four Different Standards Make Up The Clean Cars Program

1. Vehicle Global Warming Standards (LEV III-GHG): This program will make sure new cars and light trucks produce fewer emissions that contribute to global warming. (The updated rules will apply to vehicles starting in 2017.)
2. Low Emission Vehicle Program (LEV III-Criteria Pollutant): This program will make sure new cars and light trucks produce fewer harmful emissions that contribute to smog and hurt public health. (The updated rules will apply to vehicles starting in 2014.)
3. Zero Emission Vehicle Program (ZEV): This program will make sure that the newest, gasoline-free, ultra-clean vehicle technologies – such as electric and hydrogen fuel cell cars – are brought to California. (The updated rules will apply to vehicles starting in 2015.)
4. Clean Fuels Outlet: This program will make sure we have the infrastructure – including hydrogen for fuel cells and public charging for electric vehicles – in place to support clean, alternative fuel cars.



Strong Advanced Clean Car Standards Will Stimulate the Economy and Bring New Jobs to California.

- New data shows that employment in California's green economy grew 36% from 1995 to 2008 while total jobs in California expanded only 13%.^{xii}
 - As the economy slowed between 2007 and 2008, total employment fell 1%, but green jobs continued to grow 5%.^{xiii}
- Many clean, green car companies, such as Tesla, are based in California.
 - Their suppliers of high-tech components, such as Quantum Technologies and Coulomb Technologies, are also based here.

Advanced Clean Cars Will Reduce CO2 Pollution and Help Mitigate the Worst Effects of Climate Change.

- Passenger cars and light trucks represent 40% of California's greenhouse gas pollution.^{xiv}
- Climate change is happening now as evident by sea level rise, reduced Sierra snowpack, increasing wildfires and worsening air quality.^{xv}

California is a Pioneer in Bringing Advanced Clean Car Standards to the Nation.

- Thirteen other states adopted California's previous Clean Cars Program.
- Our standards formed the basis for the national vehicle program that President Obama announced in May 2009 and that became law in April 2010.
- New advanced clean car standards will establish another rung in the ladder for states and the federal government to reach.

California Must Remain Competitive in the Global Economy and Lead the Nation in the Advanced Clean Car Technology Industry.

- China is spending \$12 billion an hour on clean technology investment.^{xvi}
- California has attracted more clean technology venture capital than any other state.^{xvii}

ⁱ The California Energy Commission: <http://energy.ca.gov/petroleum/index.html>.

ⁱⁱ New York Times: <http://www.nytimes.com/info/oil/>.

ⁱⁱⁱ CIMB World Market: http://research.cibcwm.com/economic_public/download/soc108.pdf

^{iv} CNN: http://money.cnn.com/2010/12/27/markets/oil_commodities/

^v California Board of Equalization: http://www.boe.ca.gov/sptaxprog/reports/MVF_10_Year_Report.pdf and Energy Information Administration: http://www.eia.doe.gov/dnav/pet/pet_pri_gnd_dcus_sca_a.htm

^{vi} Go60mpg.org Coalition: http://www.calcleancars.org/docs/FINAL-State-by-State_Consumer_Savings.pdf

^{vii} Los Angeles Times: <http://articles.latimes.com/2010/apr/28/local/la-me-air-pollution-20100428>

^{viii} California Air Resources Board: http://www.arb.ca.gov/research/health/pm-mort/pm-report_2010.pdf.

^{ix} The New England Journal of Medicine: <http://content.nejm.org/cgi/content/short/351/11/1057>.

^x American Lung Association in California. State of the Air 2010: www.stateoftheair.org.

^{xi} Rand Corporation: http://www.rand.org/pubs/technical_reports/TR777/.

^{xii} Next 10: http://www.next10.org/next10/publications/green_jobs.html.

^{xiii} *ibid*

^{xiv} Climate Change FAQ: <http://climatechange.ca.gov/publications/faqs.html>.

^{xv} *ibid*

^{xvi} American Progress: http://www.americanprogress.org/issues/2009/06/pdf/podesta_germany1.pdf.

^{xvii} Cleantech Group LLC: <http://cleantech.com/news/5755/cleantech-thriving-AB32-data>.

