

SB 32: CLIMATE POLLUTION REDUCTION BEYOND 2020 HEALTHIER COMMUNITIES AND A STRONGER ECONOMY

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CONTINUED CLIMATE PROGRESS

California's landmark climate law, AB 32 (Núñez-Pavley, 2006) requires a reduction in statewide greenhouse gas pollution to 1990 levels by 2020. Since 2006, the state has reduced nearly 100 million tons of greenhouse gases, equal to the pollution from burning 11 billion gallons of gasoline. California has reduced about half the pollution required to meet the 2020 goal.

In the process of reducing pollution, California has attracted \$27 billion in private investment in clean energy businesses, which now employ hundreds of thousands of people. The state is on track to cut pollution-related health costs by \$8.3 billion in the next decade. California is also ensuring that energy remains affordable. The average residential electrical bill has dropped \$44 since 2006 when adjusted for inflation, and the average Californian spends \$305 less overall on energy each year than the national average.

On April 29th, Governor Brown continued California's climate leadership by setting a midterm target, through executive order, of reducing climate pollution to 40 percent below 1990 levels by 2030.

BUSINESSES NEED CERTAINTY

The California Air Resources Board (ARB) is authorized under AB 32 to "maintain and continue" greenhouse gas reductions beyond 2020 and recommend implementation strategies to the Legislature. In the Scoping Plan Update issued in May 2014, the ARB identified a number of cost-effective, technologically feasible pathways to emissions reductions required by 2030, 2040 and 2050 to adequately

protect the health, safety and welfare of Californians from the mounting costs of unabated climate change. However, the Legislature has not yet given direction to shape future reduction strategies.

TARGET TO MEET THAT NEED

Setting clear, achievable climate pollution reduction targets in law and identifying priorities to guide implementation will provide critical accountability, as well as certainty to businesses investing for the long term in California. The state also has an opportunity to build on its first mover advantage as a technology and policy innovation leader as the President, international trading partners such as China and Mexico, and neighboring states, prepare to chart their own pathways to climate progress beyond 2020.

SB 32 sets an enforceable greenhouse gas reduction target of 80 percent below 1990 levels by 2050, the level identified by the international scientific community as necessary to stave off the worst effects of climate change. The measure will also incorporate the Governor's midterm target, to ensure that the state achieves our 2050 goals through the most cost-effective pathway available.

These targets are guided by science, but this bill provides flexibility for the Legislature and responsible agencies to adjust the goal along the way based on changing technological and economic conditions. The legislation also identifies goals to ensure that greenhouse gas reductions advance job creation; public health improvement, especially in disadvantaged

communities; innovation; and policy collaboration beyond our borders.

To achieve its climate goals, California will need to ensure that greenhouse gas targets are integrated with existing complementary policies such as energy efficiency requirements for buildings, appliances and cars, clean power standards, and sustainable land use policies, to maximize the effectiveness of pollution reduction overall.

SUPPORT

Public Health and Medical Groups

- American Academy of Pediatrics, California
- American Cancer Society Cancer Action Network, California
- American College of Physicians, California Service Chapter
- American Heart Association, California
- American Lung Association, California
- Asthma Coalition of Los Angeles County
- Bay Area AQMD
- Baz Allergy, Asthma and Sinus Center
- Breathe CA
- Bonnie J. Adario Lung Cancer Foundation
- California Black Health Network
- California Conference of Directors of Environmental Health
- California Nurses Association
- California Pan Ethnic Health Network
- California Public Health Association, North California Service Chapter
- California Thoracic Society
- Center for Climate Change and Health
- Central California Asthma Collaborative
- Center for Food Safety
- Circulate San Diego
- Climate Parents

- Department of Public Health, Los Angeles County
- Dignity Health
- Doctors for Climate Health
- Health Care Without Harm
- Medical Advocates for Healthy Air
- Moms Clean Air Force
- Physicians for Social Responsibility, Los Angeles
- Physicians for Social Responsibility, San Francisco Bay Area Chapter
- Public Health Institute
- Regional Asthma Management and Prevention (RAMP)
- San Francisco Asthma Task Force
- Santa Clara County Medical Society
- Sonoma County Asthma Coalition
- South Coast AQMD

Business Groups

- Autodesk
- Bagito
- Biosynthetic Technologies
- Business for Innovative Climate and Energy Policy (BICEP)
- Building Doctors
- California Ski Industry Association
- CERES
- Clean Power Finance
- Climate Ready Solutions LLC
- Communitas Financial Planning
- Distance Learning Consulting
- Eagle Creek
- eBay, Inc
- Ecogate, Inc
- Environmental Entrepreneurs (E2)
- Gap, Inc.
- House Kombucha
- Klean Kanteen

- Levi Strauss & Co
- Los Angeles Business Council
- Mercury Press International
- The North Face
- Patagonia Works
- Power2Sustain
- Progressive Asset Management, Inc.
- Purple Wine & Spirits
- Quest
- RC Cubed, Inc
- Sidel Systems USA
- Silicon Valley Leadership Group
- SmartWool
- Sustainable North Bay
- Symantec Corporation
- Tamalpais NatureWorks
- Waterplanet Alliance

Labor, Industry, and Transportation Groups

- Bioenergy Association of California
- Carbon Cycle Institute
- California Energy Efficiency Industry Council
- California Solar Energy Industry Association (CalSEIA)
- California Transit Association
- California Wind Energy Association
- CalSTART
- Communications Workers of America – District 9 (AFL-CIO)
- Coalition for Renewable Natural Gas
- EtaGen
- Large Scale Solar
- NextGen Climate
- Solar Energy Industry Association (SEIA)
- TransForm
- US Green Buildings Council

Local Governments

- City of Oxnard

- City of West Hollywood
- County of Ventura, Board of Supervisors

Agriculture groups

- American Farmland Trust
- California Climate & Agriculture Network (CalCAN)

Faith Groups

- California Interfaith Power & Light
- Catholic Charities, Diocese of Stockton

Environmental and Public Interest Advocates, and Conservation Groups

- Audobon
- Azul
- California League of Conservation Voters (CLCV)
- Californians Against Waste
- CalTrout
- Climate Resolve
- Center for Biological Diversity
- Cleveland National Forest Foundation
- Clean Water Action
- Coastal Environmental Rights Foundation
- Endangered Habitats League (EHL)
- Environment California
- Environmental Action Defense Fund (EDF)
- Environmental Action Committee of West Marin
- Friends of the River
- Greenbelt Alliance
- Humane Society
- Land Trust of Santa Cruz County
- League of Women Voters of California
- National Parks Conservation Association
- Natural Resources Defense Council (NRDC)
- ReLeaf

- Sequoia Riverlands Trust
- Sierra Club
- Southwest Wetlands Interpretive Association
- The Nature Conservancy
- Trust for Public Lands
- Union of Concerned Scientists (UCS)

Elected Officials

- Tom Bates, Berkeley Mayor
- Carmen Ramirez, Mayor pro Tem, Oxnard City
- Linda Parks, Ventura County Supervisor
- Ronald Loveridge, Former Mayor, City of Riverside
- Jared Huffman, US Representative, 2nd District
- Mark DeSaulnier, US Representative, 11th District
- Judy Chu, US Representative, 32nd District
- Ted Lieu, US Representative, 33rd District
- Alan Lowenthal, US Representative, 47th District

Scientific Community

- Ray Anderson, Ph.D.
- Kenneth Arrow, Ph.D.
- Bevin Ashenmiller, Ph.D.
- Roger C. Bales, Ph.D.
- Asmeret Asefaw Berhe, Ph.D.
- Hilda Blanco, Ph.D.
- Lewis Branscomb, Ph.D.
- Monika Calef, Ph.D.
- Juliet Christian-Smith, Ph.D.
- Eugene Cordero, Ph.D.
- Helen Cox, Ph.D.
- David DeSante, Ph.D.
- Michael Dettinger, Ph.D.

- Tim Duane, Ph.D.
- Ann Ehrlich, Ph.D.
- Henry Forman, Ph.D.
- Jed Fuhrman, Ph.D.
- Catherine Gautier, Ph.D.
- Alexander Gershenson, Ph.D.
- Gary Griggs, Ph.D.
- Andrew Gunther, Ph.D.
- Andrew Gutierrez, Ph.D.
- Barbara Haya, Ph.D.
- Elizabeth Herbert, Ph.D.
- Karen Holl, Ph.D.
- Edward Huang, Ph.D.
- Louise Jackson, Ph.D.
- Kathleen Johnson, Ph.D.
- Janet Kubler, Ph.D.
- Emilio Laca, Ph.D.
- Sherman Lewis, Ph.D.
- Michael Loik, Ph.D.
- Wade Martin, Ph.D.
- Edwin Maurer, Ph.D.
- Jean Moran, Ph.D.
- Max Moritz, Ph.D.
- Susanne Moser, Ph.D.
- Gretchen North, Ph.D.
- Edward Parson, Ph.D.
- Richard Plevin, Ph.D.
- Peter Schwartz, Ph.D.
- David Smernoff, Ph.D.
- Richard C.J. Somerville, Ph.D.
- Susan Ustin, Ph.D.
- Jasper Vrugt, Ph.D.
- Charlie Zender, Ph.D.