



Explore, enjoy and protect the planet

COOL CITIES

Solving Global Warming One City at a Time



sierraclub.org/coolcities

COOL CITIES TAKE THE LEAD

Communities all over America are responding to the threat of global warming with smart energy solutions. These "Cool Cities" are taking decisive action to reduce heat-trapping emissions, lower energy bills, save taxpayer dollars, and protect our environment.

At a time when the federal government is failing to act, mayors and other local leaders are taking the lead to curb global warming. Beginning with Seattle Mayor Greg Nickels, more than 200 mayors representing 42 million Americans in 38 states have signed the U.S. Mayors Climate Protection Agreement to reduce global warming carbon dioxide (CO₂) pollution in their cities to

7 percent below 1990 levels by 2012 (see seattle.gov/mayor/climate).

These Cool Cities are working to meet this goal with practical and innovative energy solutions that reduce energy waste and pollution, and thereby cut our dependence on oil, benefit public health, and save money.

GLOBAL WARMING: NOW IS THE TIME TO ACT

Scientists have concluded that burning fossil fuels—like oil, coal, and natural gas—to power our cars, homes, and businesses is causing global temperatures to rise. This heating of the earth poses a serious threat to our health, safety, economy, and environment.

The good news is that we have the tools

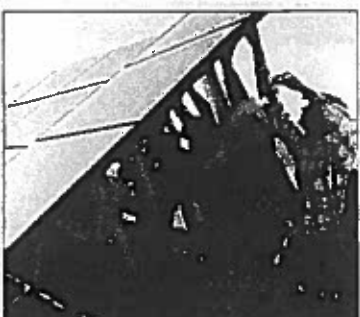
today to reduce global warming pollution, and cities of all sizes are pursuing innovative energy solutions.

While every city's energy solutions plan will be unique, there are three key common Cool City strategies: **Green Vehicle Fleets, Energy Efficiency, and Renewable Energy.**

GREEN VEHICLE SOLUTIONS

The biggest single step we can take to curb global warming is making our cars, trucks, and SUVs go farther on a gallon of gas. Many cities are cutting their global warming emissions by purchasing gas-electric hybrid cars and SUVs for their city vehicle fleet.

By using less gasoline, hybrid vehicles release a fraction of the global warming and



air pollution emitted by conventional vehicles while saving money at the gas pump. Some cities are also providing incentives, such as free parking and lower registration fees, to encourage the purchase of hybrids by local residents and businesses.

ENERGY EFFICIENCY SOLUTIONS

Energy efficiency means using less energy through better technology to light streets and power buildings and industrial facilities. Reducing energy use is one of the most cost-effective and fastest ways to meet our energy needs. Lowering energy costs enables communities to invest more in schools, job creation, and new infrastructure.

Since fossil fuel power plants account for more than one-third of U.S. global warming emissions, saving energy also means



Cool Mayor: Mayor Joseph Adams, of University City, Missouri, accepts the Sierra Club's Cool City award for signing the U.S. Mayors Climate Protection Agreement.

less pollution. From high-tech interior and street lighting, energy-efficient building standards and retrofits, to efficient combined heat-and-power, cities in every region of the country are modernizing lighting, heating, cooling, and other systems.

RENEWABLE ENERGY SOLUTIONS

Cities across the nation are investing in clean and renewable power like solar and wind energy to lower global warming emissions and create a reliable source of safe, homegrown electricity.

Many cities are adopting "renewable energy standards" that require a specific percentage of the electricity sold in a city or utility area to come from renewable sources by a specific target date.

Other cities are incorporating renewable energy technologies, such as solar photovoltaic panels, into the design of public buildings. Renewable power and energy efficiency are essential solutions for replacing electricity from dirty, fossil-fuel-burning power plants.

COOL CITIES: BRINGING COMMUNITIES TOGETHER

The most successful Cool Cities are engaging the entire community to help

meet the goals of the U.S. Mayors Climate Protection Agreement. Local businesses, builders, faith groups, environmentalists, and labor unions are working together to make their cities more livable and vibrant while lowering energy bills, creating good jobs, and tackling a global problem.

RE-ENERGIZING YOUR CITY

As the news of successful city solutions spreads, more cities are joining in the Cool Cities movement to lead our country and our world into a new energy future. Cool Cities are literally re-energizing our nation, proving that we can solve global warming one city at a time.

Now it's your city's turn.



Clean Harvest: Waverly Light & Power in Iowa has installed wind turbines on land leased from local farmers, creating clean electricity for the city and additional income for farmers.

COOL CITIES

**TAKE ACTION:
BECOME A COOL CITY**

1. Sign the U.S. Mayors Climate Protection Agreement to reduce global warming pollution.
2. Green your city's fleet, fleets with hybrids and other clean cars.
3. Modernize city buildings with money-saving energy efficiency technology.
4. Invest in clean and safe renewable energy.

LEARN MORE:

For a list of cities that are becoming "cool," and for resources and specific examples of smart energy city solutions and model action plans, go to sierraclub.org/coolcities.





PUBLIC SCHOOLS

255 WEST VERMONT STREET
VILLA PARK, IL 60181
630/530-6200
FAX 630/530-1624

May 10, 2006

Village of Lombard
255 E. Wilson
Lombard, Illinois 60148

To: Environmental Concerns Committee
Village of Lombard

I urge you to sign the U.S. Mayors Climate Protection Agreement to curb global warming pollution citywide by 7% below 1990 levels by 2012. Residents of Lombard are counting on you to take action to reduce energy use, save taxpayer dollars, improve public health, and protect our environment.

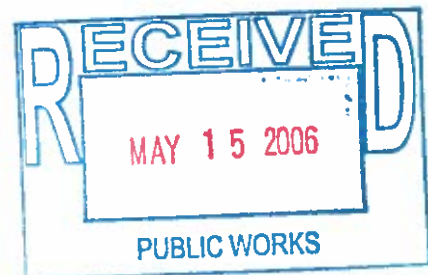
Our village needs a village climate protection plan, and smart energy solutions such as "greening" the village's vehicle fleet with hybrids and other cleaner cars, modernizing city buildings with money-saving energy efficiency technology, and investing in clean and safe, renewable energy.

School District 45 schools have each received a "Zero Waste Grant" from the State of Illinois to assist us in many of our conservation goals. The staff members have formed a Conservation Committee and in turn have organized recycling/conservation clubs for their students. Together, we can solve global warming one city at a time.

Sincerely,

A handwritten signature in cursive script that reads "William C. Schewe".

William C. Schewe, Ph.D. *ks*
Superintendent



U.S. MAYORS CLIMATE PROTECTION AGREEMENT DOCUMENTS

ENDORISING THE U.S. MAYORS CLIMATE PROTECTION AGREEMENT

WHEREAS, the U.S. Conference of Mayors has previously adopted strong policy resolutions calling for cities, communities and the federal government to take actions to reduce global warming pollution; and

WHEREAS, the Inter-Governmental Panel on Climate Change (IPCC), the international community's most respected assemblage of scientists, has found that climate disruption is a reality and that human activities are largely responsible for increasing concentrations of global warming pollution; and

WHEREAS, recent, well-documented impacts of climate disruption include average global sea level increases of four to eight inches during the 20th century; a 40 percent decline in Arctic sea-ice thickness; and nine of the ten hottest years on record occurring in the past decade; and

WHEREAS, climate disruption of the magnitude now predicted by the scientific community will cause extremely costly disruption of human and natural systems throughout the world including: increased risk of floods or droughts; sea-level rises that interact with coastal storms to erode beaches, inundate land, and damage structures; more frequent and extreme heat waves; more frequent and greater concentrations of smog; and

WHEREAS, on February 16, 2005, the Kyoto Protocol, an international agreement to address climate disruption, went into effect in the 141 countries that have ratified it to date; 38 of those countries are now legally required to reduce greenhouse gas emissions on average 5.2 percent below 1990 levels by 2012; and

WHEREAS, the United States of America, with less than five percent of the world's population, is responsible for producing approximately 25 percent of the world's global warming pollutants; and

WHEREAS, the Kyoto Protocol emissions reduction target for the U.S. would have been 7 percent below 1990 levels by 2012; and

WHEREAS, many leading US companies that have adopted greenhouse gas reduction programs to demonstrate corporate social responsibility have also publicly expressed preference for the US to adopt precise and mandatory emissions targets and timetables as a means by which to remain competitive in the international marketplace, to mitigate financial risk and to promote sound investment decisions; and

WHEREAS, state and local governments throughout the United States are adopting emission reduction targets and programs and that this leadership is bipartisan, coming from Republican and Democratic governors and mayors alike; and

WHEREAS, many cities throughout the nation, both large and small, are reducing global warming pollutants through programs that provide economic and quality of life benefits such as reduced energy bills, green space preservation, air quality improvements, reduced traffic congestion, improved transportation choices, and economic development and job creation through energy conservation and new energy technologies; and

WHEREAS, mayors from around the nation have signed the U.S. Mayors Climate Protection Agreement which, as amended at the 73rd Annual U.S. Conference of Mayors meeting, reads:

THE U.S. MAYORS CLIMATE PROTECTION AGREEMENT

A. We urge the federal government and state governments to enact policies and programs to meet or beat the target of reducing global warming pollution levels to 7 percent below 1990 levels by 2012, including efforts to: reduce the United States' dependence on fossil fuels and accelerate the development of clean, economical energy resources and fuel-efficient technologies such as conservation, methane recovery for energy generation, waste to energy, wind and solar energy, fuel cells, efficient motor vehicles, and biofuels;

B. We urge the U.S. Congress to pass bipartisan greenhouse gas reduction legislation that includes 1) clear timetables and emissions limits and 2) a flexible, market-based system of tradable allowances among emitting industries; and

C. We will strive to meet or exceed Kyoto Protocol targets for reducing global warming pollution by taking actions in our own operations and communities such as:

1. Inventory global warming emissions in City operations and in the community, set reduction targets and create an action plan.
2. Adopt and enforce land-use policies that reduce sprawl, preserve open space, and create compact, walkable urban communities;
3. Promote transportation options such as bicycle trails, commute trip reduction programs, incentives for car pooling and public transit;
4. Increase the use of clean, alternative energy by, for example, investing in "green tags", advocating for the development of renewable energy resources, recovering landfill methane for energy production, and supporting the use of waste to energy technology;
5. Make energy efficiency a priority through building code improvements, retrofitting city facilities with energy efficient lighting and urging employees to conserve energy and save money;
6. Purchase only Energy Star equipment and appliances for City use;
7. Practice and promote sustainable building practices using the U.S. Green Building Council's LEED program or a similar system;

8. Increase the average fuel efficiency of municipal fleet vehicles; reduce the number of vehicles; launch an employee education program including anti-idling messages; convert diesel vehicles to bio-diesel;
9. Evaluate opportunities to increase pump efficiency in water and wastewater systems; recover wastewater treatment methane for energy production;
10. Increase recycling rates in City operations and in the community;
11. Maintain healthy urban forests; promote tree planting to increase shading and to absorb CO₂; and
12. Help educate the public, schools, other jurisdictions, professional associations, business and industry about reducing global warming pollution.

NOW, THEREFORE, BE IT RESOLVED that The U.S. Conference of Mayors endorses the U.S. Mayors Climate Protection Agreement as amended by the 73rd annual U.S. Conference of Mayors meeting and urges mayors from around the nation to join this effort.

BE IT FURTHER RESOLVED, The U.S. Conference of Mayors will work in conjunction with ICLEI Local Governments for Sustainability and other appropriate organizations to track progress and implementation of the U.S. Mayors Climate Protection Agreement as amended by the 73rd annual U.S. Conference of Mayors meeting.

Form for Your Mayor To Sign and Send to Seattle Mayor's Office

Have your mayor fill the official sign-on form, available for download at

and return it to _____ and _____, or fax to (206) 684-3013.

5/23/06

Dear Linda,

The DuPage Forest Preserve District has committed to converting its entire on-road fleet to run on alternative fuels. Currently five years into the program, 100 of its 185 vehicles utilize one of the following technologies:

- Natural gas
- Propane
- Biodiesel
- Ethanol
- Hybrid electric

- The District alternative fuel program has been projected to reduce VOC emissions by 282,000 lbs over the 10-year phase-in period and to save the District money through fuel cost savings, maintenance savings and increased engine life, grants and rebates.

- The District has installed diesel oxidation catalyst emissions retrofit devices on all of its heavy-duty on-road diesel vehicles through a Clean Air Counts grant program. These devices reduce CO and hydrocarbon emissions from our largest diesel engines by up to 90% and particulate (soot) emissions by up to 50%.

- This past winter, the Executive Director issued a pair of Idling Directives, one for on-road vehicles and one for off-road equipment. With limited exceptions, idling on the District's fleet is now limited to 5 minutes in each hour.

- Also this past winter, the Director convened a standing Environment and Energy Conservation Committee, which is charged with developing a District-wide plan for reducing the environmental and energy-consumption impacts of the District's day-to-day operations. The plan, when presented to Commission for approval, will list current and past accomplishments and detail specific action items for the future in all operational areas. This plan includes small items and large programs, from changing to more efficient light bulbs to the alternative fuel program.

If I can clarify or expand on any of this for you, let me know and I'll see what I can do today.

Matt Stewart, CAFM
Assistant to the Fleet Services Manager
Forest Preserve District of DuPage County
Phone: 630-792-2110
Fax: 630-627-1755



American Association of
University Women
Lombard Area Branch

Lonnie Morris
Sierra Club Cool Cities Project
209 W. Sunset
Lombard, IL 60148

Dear Lonnie,

Thank you for inviting the Lombard Area Branch of the American Association of University Women to participate with your organization in the Cool Cities Project. At our May 10, 2006 Branch meeting, our membership voted to join you in working with the Village of Lombard on this important environmental issue. In the AAUW Public Policy Principles for Action, "a clean and healthful environment" is included on the list of items that AAUW promotes.

We look forward to working with you.

Sincerely,

Lauren M. Driscoll, President
Lombard Area AAUW
1350 Ridgefield
Carol Stream, IL 60188
laurdris@worldnet.att.net