


**Chicago Climate Action Plan**  
First Two Years  
ACCO Climate Change Leadership Summit  
November 9, 2010

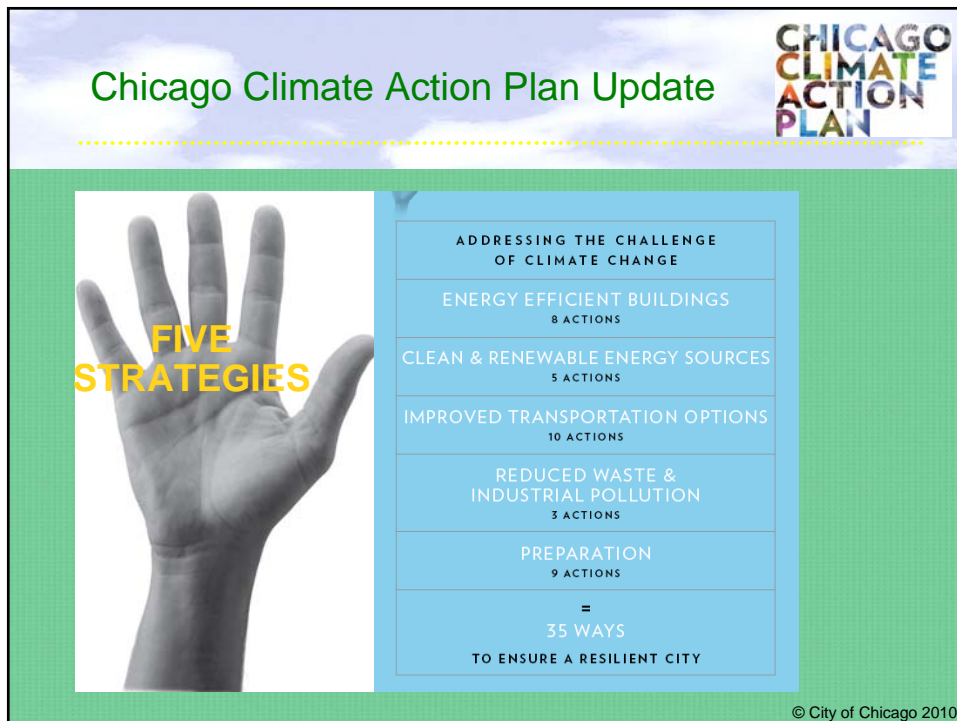
  
City of Chicago  
Richard M. Daley, Mayor

**CHICAGO CLIMATE ACTION PLAN**

  
GLOBAL PHILANTHROPY PARTNERSHIP

**Civic Consulting**  
alliance  
SMART WORK. GREAT CITY.

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**Chicago Climate Action Plan Update**

**CHICAGO CLIMATE ACTION PLAN**

**FIVE STRATEGIES**

ADDRESSING THE CHALLENGE OF CLIMATE CHANGE
ENERGY EFFICIENT BUILDINGS 8 ACTIONS
CLEAN & RENEWABLE ENERGY SOURCES 5 ACTIONS
IMPROVED TRANSPORTATION OPTIONS 10 ACTIONS
REDUCED WASTE & INDUSTRIAL POLLUTION 3 ACTIONS
PREPARATION 9 ACTIONS
= 35 WAYS TO ENSURE A RESILIENT CITY

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## Recognition for the Chicago Climate Action Plan

- Won the 2010 Mayors' Climate Protection Award from the U.S. Conference of Mayors
- Featured at the U.N. Habitat World Urban Forum
- Received \$25 million in EECBG competitive funding
- Won the 2010 Data Innovations Award from Metropolitan Chicago Information Center
- Received U.S. EPA Climate Communities grant for Chicago Green Healthcare Initiative
- Foundations supporting 2010 work include: Boeing, Comer Foundation, Crown Family Funds, Cummings Foundation, Grand Victoria Foundation, Joyce Foundation, Kresge Foundation, Surdna Foundation
- Partnered with IL DCEO for electric vehicle infrastructure funding
- Expanded Chicago's Green Office Challenge nationally

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### Chicago Climate Action Plan Partners

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Richard M. Daley, Mayor

**CCAP is a partnership that drives impact. From pro bono services, to community partnerships, to local and national funding, CCAP engages a range of organizations to make a difference.**

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## Strategy 1: Energy Efficient Buildings

### Key accomplishments:

- Retrofitted 19,694 homes and 620 businesses
- Launched the Energy Action Network with 21 community-based organizations
- Saved 54,000 MTCO<sub>2</sub>e and over \$5 million in energy with Green Office Challenge
- Received \$25 million in federal funding for energy efficiency retrofits (with CMAP)
- Recycled 30,540 appliances, resulting in ~\$5.0 million saved, 52,190 MWh conserved, and 0.087 MMTCO<sub>2</sub>e mitigated



*Many Chicago bungalows have been retrofitted and are now energy efficient*

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## Strategy 1: Energy Efficient Buildings

### Next year's goals:

- Utilize \$500 million in public and private funds dedicated to energy efficiency
- Maximize the EECBG competitive grant through the Retrofit Steering Committee (now expanded regionally with CMAP, Nicor and City of Rockford)
- Expand the Energy Action Network
- Launch Phase 2 of the Green Office Challenge
- Revise the resident engagement tool



*The Energy Action Network provided bill payment assistance, weatherization services and energy efficiency programs and rebates.*

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## Strategy 2: Clean and Renewable Energy Sources

### Key accomplishments:

- Established Chicago as a corporate center with 14 wind companies headquartered in the city
- Partnered with Exelon and SunPower to develop the nation's largest urban solar power plant
- Revised the renewable energy strategy with a working group of 40 experts
- Chicago Park District incorporates 25% renewable energy into its annual electricity purchase and Chicago Public Schools is the largest K-12 purchaser of renewable energy



*Wind and solar powered pedestrian lighting in a Chicago park*

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## Strategy 2: Clean and Renewable Energy Sources

### Next year's goals:

- Ensure successful implementation of the Illinois Renewable Energy Standard
- Identify "marquee" projects that integrate energy efficiency and renewable energy technologies
- Drive policy to support renewable energy
- Coordinate financing and incentives to support expansion of renewable energy production and installation opportunities



*Solar thermal panels atop the Rosa Parks Apartments*

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## Strategy 3: Improved Transportation Options

### Key accomplishments:

- Awarded \$15 million to develop alternative fuel infrastructure for both private and public use
- Saved 2,110 MTCO<sub>2</sub>e by using 240,000 gallons of biodiesel
- Awarded \$36 million for bus rapid transit
- Acquired 228 hybrid buses in CTA fleet, 30% more fuel efficient than the conventional buses and 60% lower emissions
- Secured \$2 million in state and federal funds for electric vehicle infrastructure.
- Launched bicycle sharing in Chicago



CTA's Going Green public campaign

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## Strategy 3: Improved Transportation Options

### Next year's goals:

- Continue coordinating a regional approach through the CCAP Transportation Committee
- Increase transportation options and the share of people commuting with them
- Create a fleet recognition program
- Develop a greener taxi fleet
- Increase bicycle use and infrastructure
- Expand real-time information for public transit users
- Use more alternative fuels, including electric refuse trucks and medium duty vehicles
- Implement Phase 1 of the electric vehicle infrastructure program



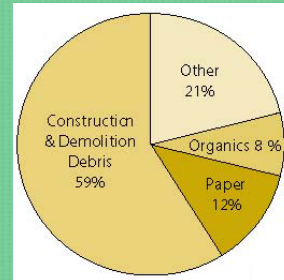
There are 636 new car share vehicles available.

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## Strategy 4: Reduced Waste and Industrial Pollution

Key accomplishments:

- Lowered amount of waste sent to landfills by over 7%
- Completed a citywide Waste Characterization Study
- Entered into an agreement with Illinois Environmental Protection Agency to reuse soil and rubble
- O'Hare Modernization Program recycled and re-used 95% of all construction-demolition materials
- Currently recycling 83% of Construction & Demolition waste of regulated City projects



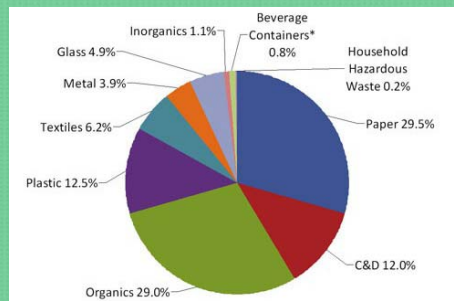
PERCENT OF TOTAL 2009 CHICAGO WASTE  
(Chicago Waste Diversion Study)

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## Strategy 4: Reduced Waste and Industrial Pollution

Next year's goals:

- Launch an active refrigerant management program
- Pursue blue cart privatization to expand household recycling
- Reduce the 300,000 tons of paper being sent to landfills
- Support the opening of two organic composting facilities



City and privately-collected waste composition (excludes construction)

Figure 3. DSS- and Privately-Collected Waste Composition

\*Beverage Containers include only water bottles and coated milk/juice cartons

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## Strategy 5: Adaptation

### Key accomplishments:

- Impacted 265 development projects with the stormwater management ordinance, resulting in 20% increase in permeable area per site and increase of 55 acres of permeable surface area
- Reached a total of 120 green alleys installed, resulting in the conversion of 32,000 sq. ft. of pervious and reflective surfaces
- Launched the Urban Forest Agenda in conjunction with the Chicago Trees Initiative
- Planned or completed more than 4 million sq. ft. of green roofs
- Completed comprehensive sewer model



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## Strategy 5: Adaptation

### Next year's goals:

- Convene adaptation advisory groups: Regional Ecosystems, People, and Infrastructure
- Use the sewer model to prioritize resources for stormwater management
- Implement catch basin enhancement program
- Integrate extreme heat messaging with public health outreach



*The sewer model can simulate future surface flooding impacts, helping to prioritize current resource use.*

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## What's next for the Chicago Climate Action Plan?

### Next year's goals:

- Move from pilot programs to full implementation
- Continue to involve broad-based constituencies
- Regularly convene partners to enhance implementation
- Continuously improve CCAP by identifying new opportunities and innovative approaches to achieve our goal
- Support the 20 active and engaged City agencies to Lead-by-Example with their work
- Measure and report progress toward our goal (Progress Report)
- Conduct a community emissions inventory for 2010
- Identify and acquire resources to enhance CCAP
- Capture opportunities and advise the Plan with the Green Ribbon Committee

*Thank you to all our partners!*

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## How to reach us

[www.chicagoclimateaction.org](http://www.chicagoclimateaction.org)

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