

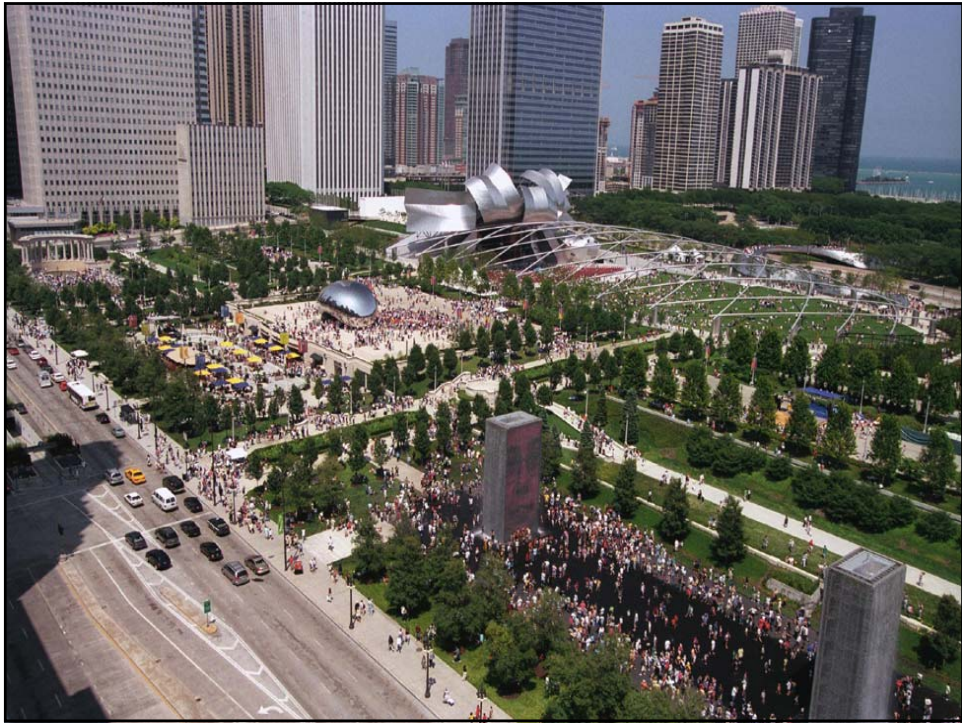
# IEEE PES T&D Conference

David O'Donnell  
City of Chicago  
Department of Environment  
April 24, 2008



Richard M. Daley Mayor

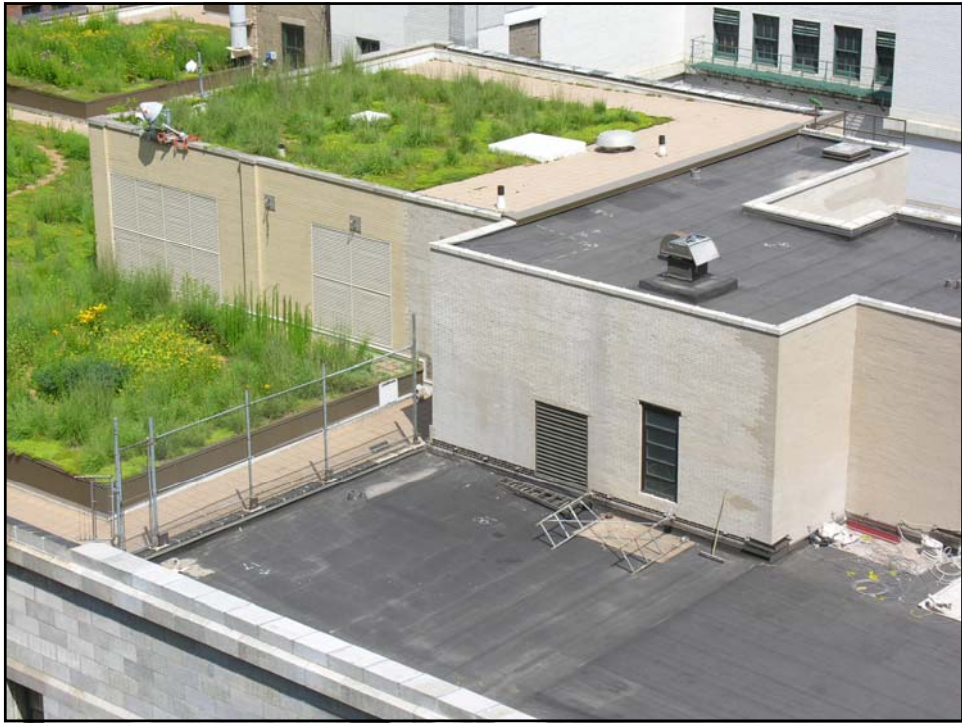








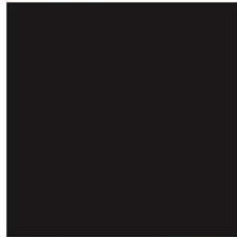




# ENVIRONMENTAL ACTION AGENDA




**BUILDING THE SUSTAINABLE CITY**









 <b>Department of Planning and Development</b> <b>Building Green/Green Roof Matrix</b>		Public Assistance						No Public Assistance
		(EZF Negotiated Sale w/Lead Waste Decont.) (Empowerment Zone Green)		(Industrial Dev. Rev. Bonds) (Emerging Zone Tax Bonds)				(Financial Development)
Project Type	(TIF)	(DOB)	(Bank Participation Loans)	(Class 1)	(SBD)	(Class 6)	(Industrial Protection Or Economic Development)	
<b>Residential</b>								
Market Rate SF, TH, Multi-unit (< 4 units)	Energy Star Certification <b>and</b> LEED-Certified Building							
Market Rate (>= 4 units)	50% Green Roof <b>and</b> Energy Star Certification <b>and</b> LEED-Certified Building*		50% Green Roof <b>and</b> Energy Star Certification					
> 20% Affordable Units or CPAN	DOB Green Criteria							
<b>Healthcare</b>								
Hospitals	50% Green Roof <b>and</b> 25% Green Roof <b>and</b> LEED-Certified Building*		25% Green Roof <b>and</b> 10% Green Roof <b>and</b> LEED-Certified Building*					
<b>Community Centers and Schools**</b>								
Suburban	10% Green Roof <b>and</b> Energy Star <b>and</b> LEED-Certified Building*		10% Green Roof <b>and</b> Energy Star*					
<b>Commercial</b>								
Retail over 10,000 square feet (Shopify)**	75% Green Roof <b>and</b> 50% Green Roof <b>and</b> LEED-Certified Building*		50% Green Roof <b>and</b> 25% Green Roof <b>and</b> LEED-Certified Building*					
Retail under 10,000 square feet (Express)**	25% Green Roof <b>and</b> LEED-Certified Building*		Energy Star Roof					
Office over 80,000 sq. ft.	100% Green Roof		75% Green Roof*					
Office under 80,000 sq. ft.	50% Green Roof <b>and</b> Energy Star <b>and</b> LEED-Certified Building*		Energy Star Roof					

**NOTE:** All projects being reviewed by the Department of Planning and Development are encouraged to use storm water best management practices, LEED and Energy Star building standards and residential green building standards where applicable.

A 50% green roof **and** LEED certification will be required for all public projects except Community Centers and Schools.

LEED certification plus a 10% green roof or a 25% green roof will be required for Public Community Centers and Schools.

Community Centers and Schools will also focus on indoor air quality and daylighting.

\* Remainder of roof must meet Energy Star level for reflectivity.


\*\* Church buildings serving multiple purposes will be considered a community center.

\*\*\* Ratio of certificate value reduction will be required for high-rise mixed projects over 100,000 square feet.

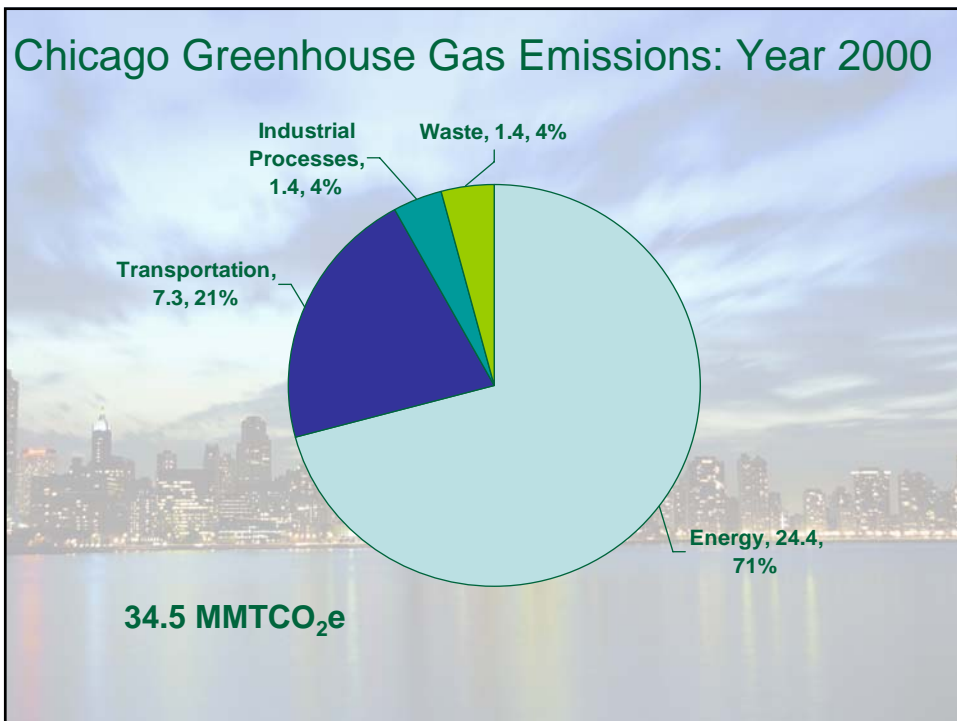
**Legend:**  
 SF = Single Family  
 TH = Townhomes  
 RFP = Request for Proposals  
 TIF = Tax Increment Financing  
 EBF = Small Business Improvement Fund  
 DOB = Department of Housing  
 CPAN = Chicago Partnership for Affordable Neighborhoods



## Green Permit Program

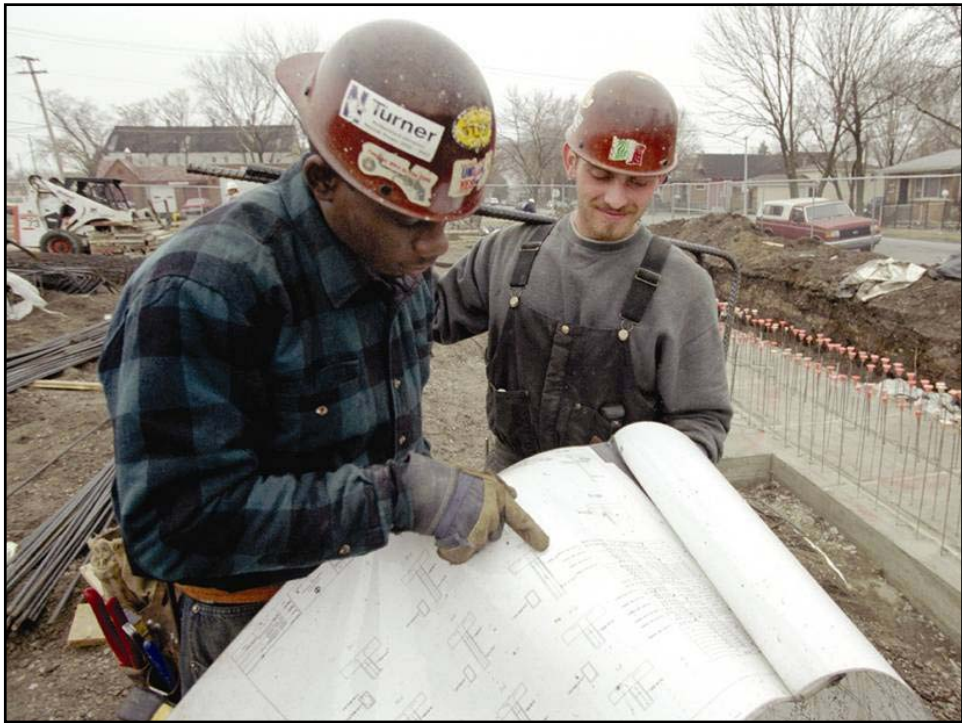


City of Chicago  
Richard M. Daley  
Mayor









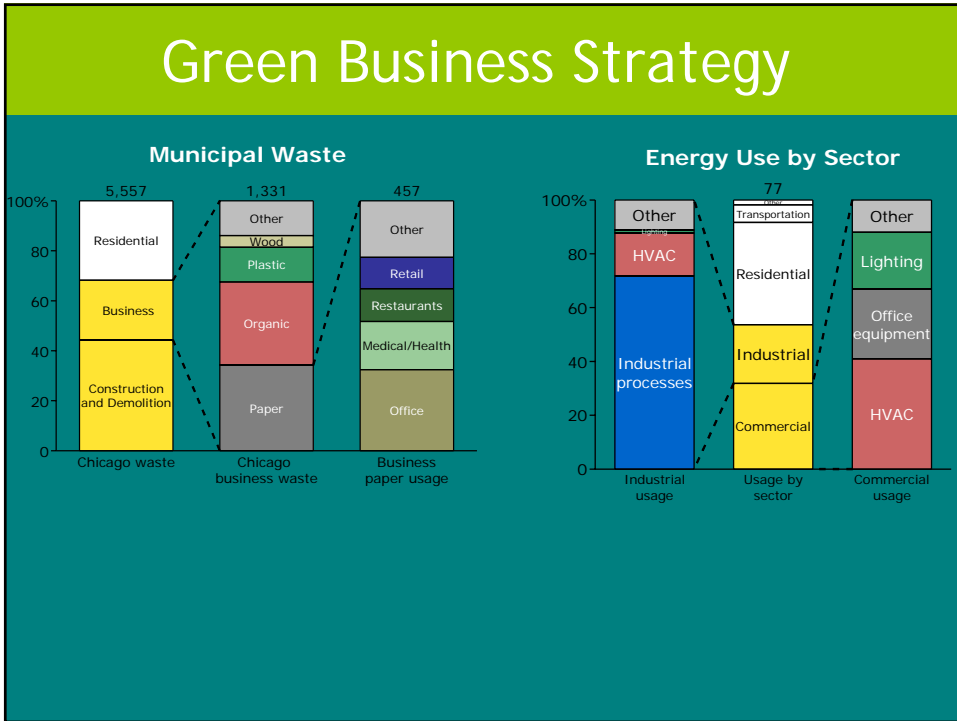


A long-exposure photograph of the Chicago skyline at night, with the city lights reflecting on the water. The sky is a deep blue with wispy clouds. The text "Thank You" is centered in white.

# Thank You

A long-exposure photograph of the Chicago skyline at night, with the city lights reflecting on the water. The sky is a deep blue with wispy clouds. The text is overlaid on the left side of the image.

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# Green Business Strategy

	Description	Approach
Advanced	<ul style="list-style-type: none"> <li>• Have self-directed and self-financed environmental initiatives</li> </ul>	<ul style="list-style-type: none"> <li>• Publicly recognize efforts</li> <li>• Use as models/educators for other businesses</li> </ul>
Progressive	<ul style="list-style-type: none"> <li>• Recognize the value of new ways to operate their business, but have yet to make a meaningful commitment to environmental initiatives</li> </ul>	<ul style="list-style-type: none"> <li>• Provide turn-key programs</li> </ul>
Struggling	<ul style="list-style-type: none"> <li>• Debate the value of making changes and have not yet made a meaningful commitment to environmental improvements</li> </ul>	<ul style="list-style-type: none"> <li>• Educate regarding value of change</li> <li>• Provide turn-key programs</li> </ul>
Disengaged	<ul style="list-style-type: none"> <li>• Rarely consider strategies for long term sustainability and are much less open to environmental initiatives</li> </ul>	<ul style="list-style-type: none"> <li>• Conserve resources for the engaged businesses</li> </ul>