Comprehensive Climate Planning November 17, 2011 Julia Parzen, USDN

- Current Context for Climate Action Planning: All About Benefits
- Lessons from the Chicago Climate Action Plan (CCAP)



OUR CITY. OUR FUTURE.

Making the Case By the Benefits

For the Community



For the Municipality



F&F Foods INDUSTRIAL CASE STUDY A Way to Save the City and Residents Money



cisinus 4462



F&F Foods produces cough drops, mints and various over the counter vitamins and tablets for the confectionary and pharmaceutical industry. The total footprint of their buildings is 153,444 square feet.

ENERGY COSTS:

\$280,121 per year (including electricity, gas and water)

ACTIVITIES UNDERTAKEN:

Upgraded to new process technologies

Replaced existing boiler

 Installed a new closed loop cooling system with a cooling tower that would reduce plant water consumption by over 11,524,099 gallons/year

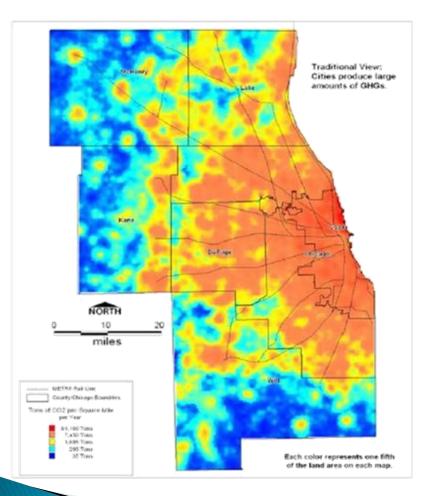
> COST OF AUDIT AND RETROFIT: \$785,400

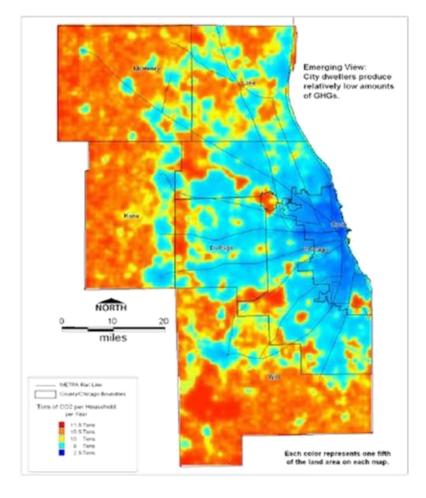
> > COST SAVINGS: \$296,500 per year

2.65 years

CO2 REDUCTIONS: 218,841 pounds per year

Two Views of Where GHGs Produced





Ex. Transit Oriented Development



- Transportation # 2 Household Cost
- •When workers buy homes far from work, they often end up paying more than $\frac{1}{2}$ their income for H + T
- •Building housing close to transit reduces car use, lowers transportation costs, reduces congestion (and reduces greenhouse gas emissions)
- •By 2030, the # of US HH wanting to live near transit will grow from 6 M to 16 M (U.S. Census) and they can be accommodated

A Way to Organize To Exploit New Markets and Job Creation



What needs to be done to protect vulnerable citizens from heat-related illnesses?

A Way to Preserve Quality of Life

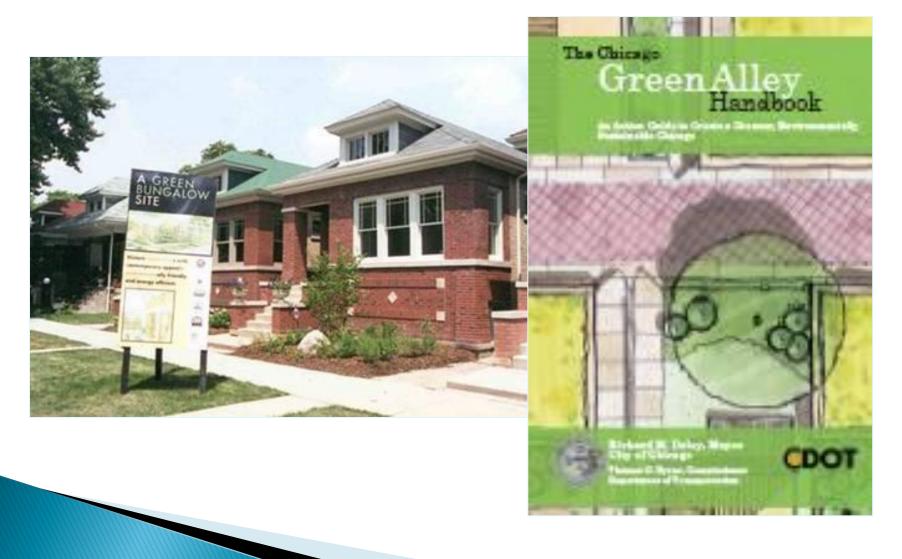
Higher Emissions: 31 days

5 days 1961-1990 2010-2039 Igher Emissions Scenario

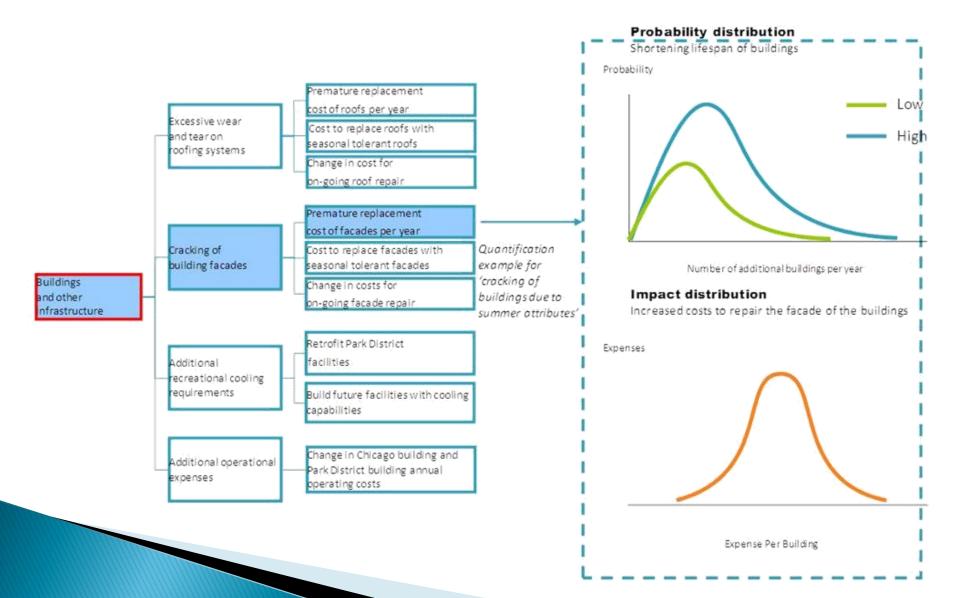
Lower Emissions: 8 days

U of I Research Team

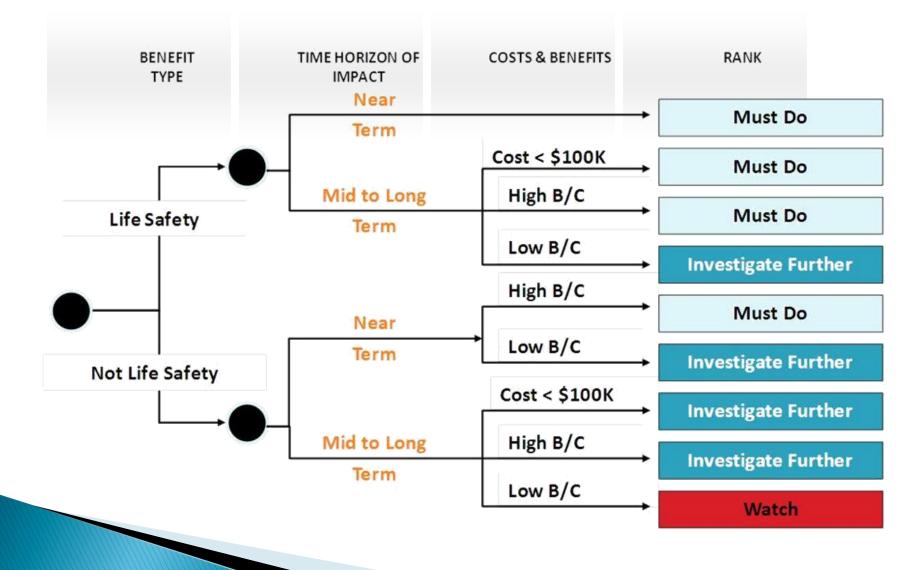
A Way to Organize & Build on Current Initiatives & Leverage Current Resources



A Way to Improve City Planning



Prioritization Process: Adaptation





A Way to Build Cross-Departmental Learning & Improvement

And Long-Term Partnerships and Collaboration Structures



A Way to Get Ready for New Federal RFPs



Green Jobs Act



Green Infrastructure

A Way to Build Philanthropic Partnerships



THE LLOYD A. FRY FOUNDATION

The Joyce Foundation

GRAND VICTORIA

DEPARTMENT OF COMMERCE AND ECONOMIC OPPORTUNITY

The Legacy Fund



The foundation for greater Chicago giving



WILLIAM J. CLINTON FOUNDATION

Lessons From CCAP



OUR CITY. OUR FUTURE.



ADDRESSING THE CHALLENGE OF CLIMATE CHANGE

ENERGY EFFICIENT BUILDINGS

8 ACTIONS 4.6 MMTCO 2e

CLEAN & RENEWABLE ENERGY SOURCES

5 ACTIONS 5.331

5.33 MMTCO 2e

IMPROVED TRANSPORTATION OPTIONS 10 ACTIONS 3.61 MMTCO2e

REDUCED WASTE & INDUSTRIAL POLLUTION

3 ACTIONS 2.03 MMTCO 2e

PREPARATION

9 ACTIONS

15.1 MMTCO 2e

35 WAYS

TO ENSURE A RESILIENT CITY

STRATEGIES

CHICAGO

ACTION

Summary: 5 Layers of the Plan



Deep Assessment

Helped Chicago to:

- Understand Impacts Of Action & Inaction
- Choose Ambitious, But Doable Goals
- Prioritize Actions
- Demonstrate Credibility Of Decisions
- Engage The Public
- Track Performance

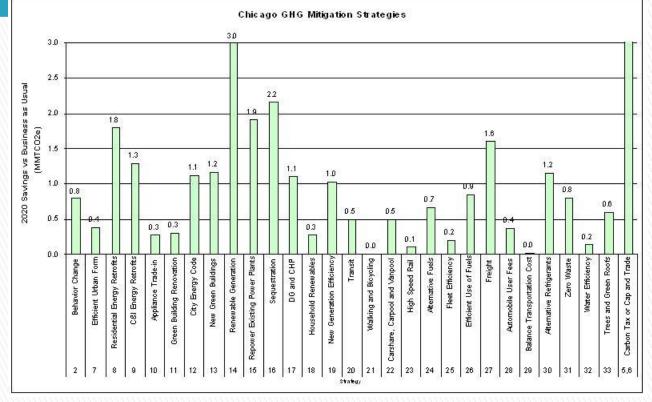
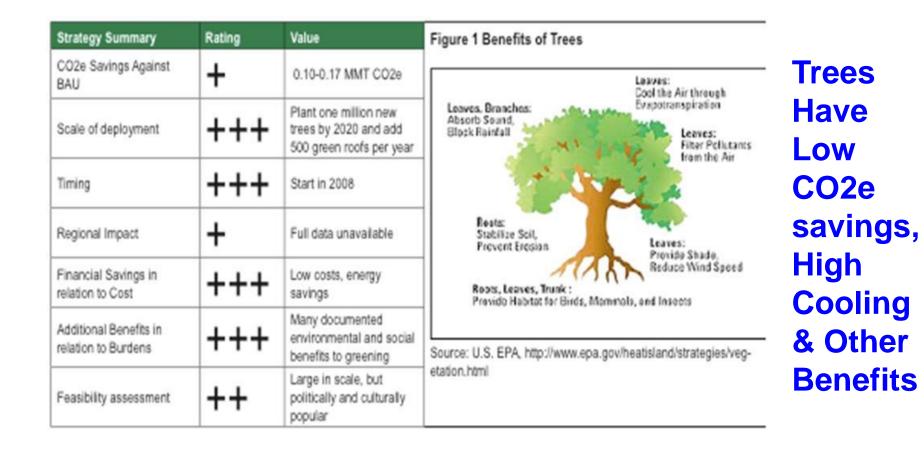


Illustration: Power of Assessment



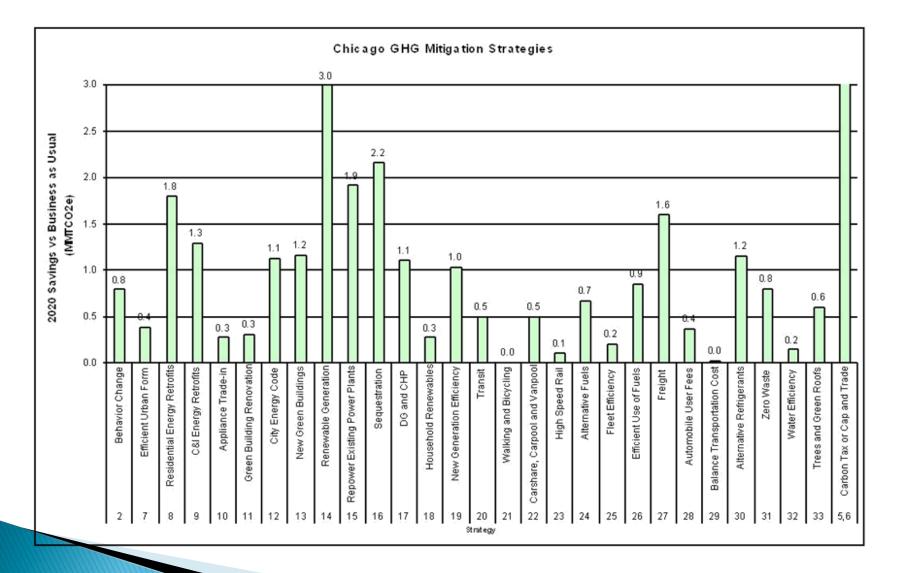
12 Page Overviews for Each Action:

Including Recommendations for Potential to: •Scale up Current Programs •Import Programs from Other Cities •Achieve Other Benefits (Jobs, Cost Savings, Etc.)

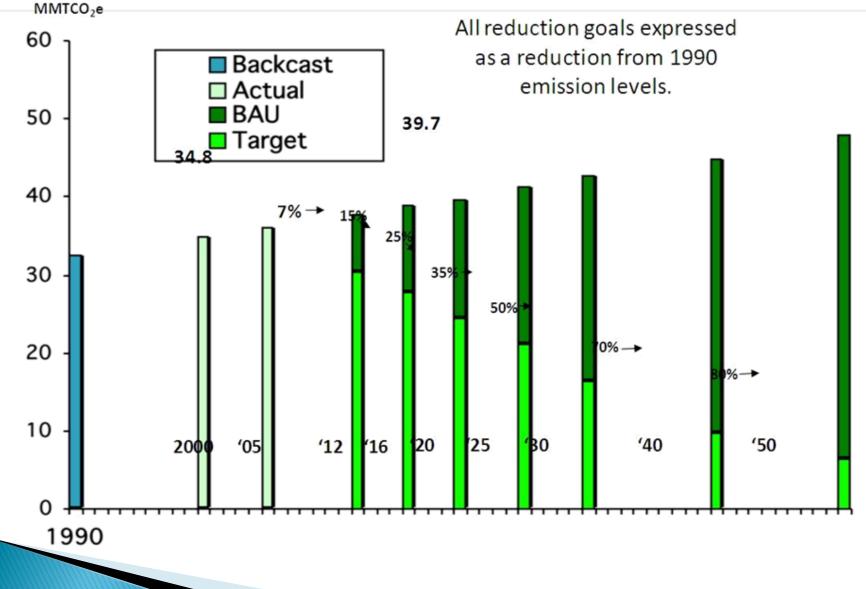
> Ex. Residential Building Retrofits

Strategy Summary	Scale	Value
CO2e Savings Against BAU	+++	1.3 MMTCO2e
Scale of deployment	+++	400,000 homes
Timing	+++	beginning with 6,000 homes in 2008
Regional Impact	+++	2.5 MMTCO2e
Financial Savings in relation to Cost	+++	12.5 – 30% ROI
Additional Benefits in relation to Burdens	+++	affordable housing
Feasibility assessment	+++	proven models

Goals for Each Action



Annual Reduction Goals



How Chicago Did It: Deep Assessment

- Research Advisory Committee, Expert Consultants
- Research on likely priority climate change impacts
- Emissions baseline & projections
- Scan of current city initiatives, resources and capabilities
- Scan of funding & other opportunities
- Benchmarking against best practices from other cities
- Prioritization process for mitigation & adaptation options

Broad Engagement

Helped Chicago with:

- Expert advice
- Offers of resources and partnerships
- Increased crossdepartmental collaboration
- Buy-in



Multi-Stakeholder Task Force



Recommend to the Mayor:

- Goals for GHG emissions reductions and preparation for climate change
- Actions to achieve the goals
 - Strategy to engage all of Chicago



Departmental Engagement

Multi-Stakeholder Task Force and Working Groups	
Green Steering Committee	 Departments and Sister Agencies Monthly Meetings
Multi-departmental working groups	 Developed Plans Periodically Will Update
Sign Off By Every Department on Plan	

Public Outreach



How Chicago Did It: Productive Planning and Engagement

- Hire expert facilitation
- Involve researchers in the process
- Develop Engagement Plan
 - Task Force
 - Departmental Steering Committee & Work Groups
 - Other Committees/Sector Groups
 - Summits (Business, Community, Labor)
- Plan for at least 3 meetings
 - Introductory Briefing
 - Brainstorming
 - Prioritization
- Develop communications function and plan

Early Start on Implementation

Helped Chicago to:

- Identify barriers before go public
- Show early progress, which built support and countered skepticism
- Have time to learn and manage expectations
- Be ready for new federal resources for climate mitigation and energy



Detailed Implementation Plans: Retrofit Example



How Chicago Did It: Rapid Shift to Implementation

- Develop and staff Working Groups
- Develop assessment plans, budget and funding
- Develop and implement performance tracking plan
- Hire consultants
- Include in each plan:
 - Benchmarking and Inventory
 - Financing strategy
 - Communications and public engagement plan
 - Performance Tracking Plan
 - Costs and Benefits
 - Jobs and Economic Development Plan

Performance Tracking to Inform Continuous Improvement

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How Chicago Did It: Managing a Complex Process

- Plan for Staffing
 - Internal Team
 - Nonprofit / External Project Manager and Partner
- Secure Support and Liaison from Mayor's Office
- Create a Plan and Time Line (1 Year +)
 - Assessment
 - Planning and Outreach
 - Implementation
- Develop Budget and Funding Partners
- Choose Research Advisory Committee and Consultants
- Choose Task Force and Committee Members

A Nonprofit Partner

Non-Profit Partner Roles:

- Strategy
- Project Management
- Facilitation
- Partnership Building
- Fundraising
- Grant Management
- Contractor Management



Summary: What Chicago Says About Factors for Success

- Using Climate Action As A Means to A Common Vision for Prosperity & Resilience
- Early Support From the Mayor
- Early Support From Government, Civic, and Business Leaders
- A Senior Level Champion
- Dedicated City Staff Time
- Strategic Non-Profit Partner
- Solid Analysis
- Systematically Building on Existing Initiatives
- Dedicated Analysis and Planning Funds
- Foundation Partners
- Task Force of Supportive Local Leaders
- Process for City Commissioners & Sister Agencies
- Frequent Public Events and Climate Summits
- Early Start on Implementation
- An Aligned Communications Strategy
- A Mechanism for Tracking Progress

All CCAP Reports Available

http://www.chicagoclimateaction.org/pages/rese arch___reports/8.php

