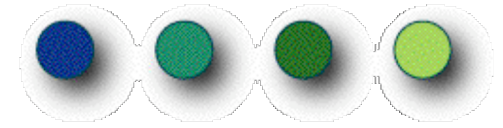


Chicago **G**reen **T**ransition **I**nitiative

By Joseph Roling

Slide Show and PDF available at:

www.planetprogress.us



Chicago Green Transition Initiative

Topics



Urban Agriculture



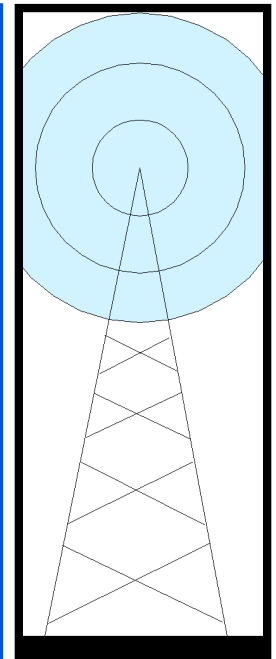
Composting



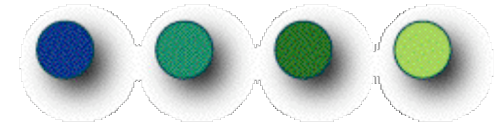
Recycling



Energy



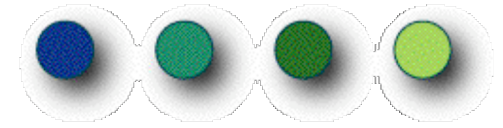
Education



Chicago Green Transition Initiative

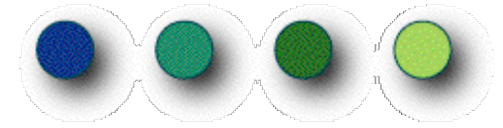
Urban Agriculture





Green Roofs

- Modular Construction: Pre-grown plants, in a section--ready to set on roof (Target)
- Permanent: Six inches thick or more
 - Vegetation Layer
 - Growth Media Soil Layer
 - Drainage Layer
 - Waterproof Layer
 - Roof Structure
- 40 year life span vs. 17 year life span of conventional roof
- 1 square meter of grass roof can remove 0.2 kg of airborne particulates from the air every year
- Costs average \$10 to \$12 per square foot
- Reduces polluted water runoff into lake and wastewater system (retains half of rainfall)
- Heat island effect reduced by 19% to 31%
- Over 2 million square feet of green roofing in Chicago



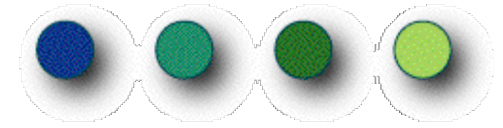
Chicago Green Transition Initiative

Target

- Basic Green Roof
- Decorative Terrace
- Greenhouse
- Urban Farm (produce)
- Landscaping Nursery
- Composting
- Self-Sustaining Energy
- Hydroponic Model
- Crop Processing Area

A Model

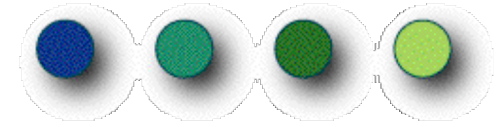




Public Education

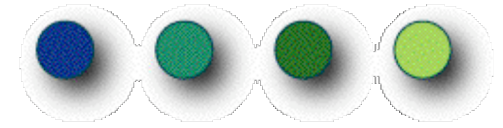
- Construct an unobtrusive public easement for viewing and information.





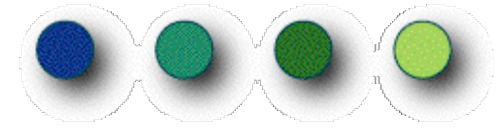
Public Education

- Construct an unobtrusive public easement for viewing and information.
- Install educational markers which explain each urban farming innovation



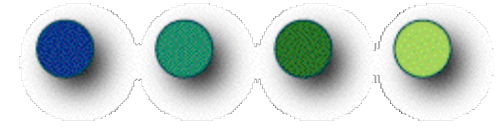
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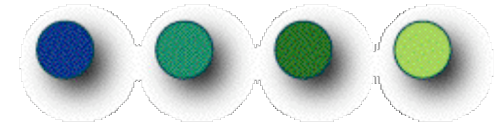
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Public Education

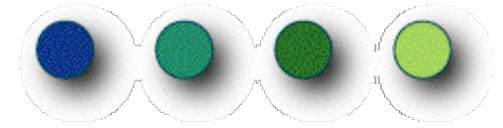
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- Install educational markers which explain each urban farming innovation
- Compile statistics (pounds of produce and compost, energy savings)
- Training site for urban farming students, business and homeowners
- Silvercup Studios in Queens, NY (35,000 sq. ft.)



Chicago Green Transition Initiative

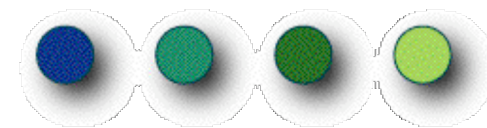
Wasted Crop Land



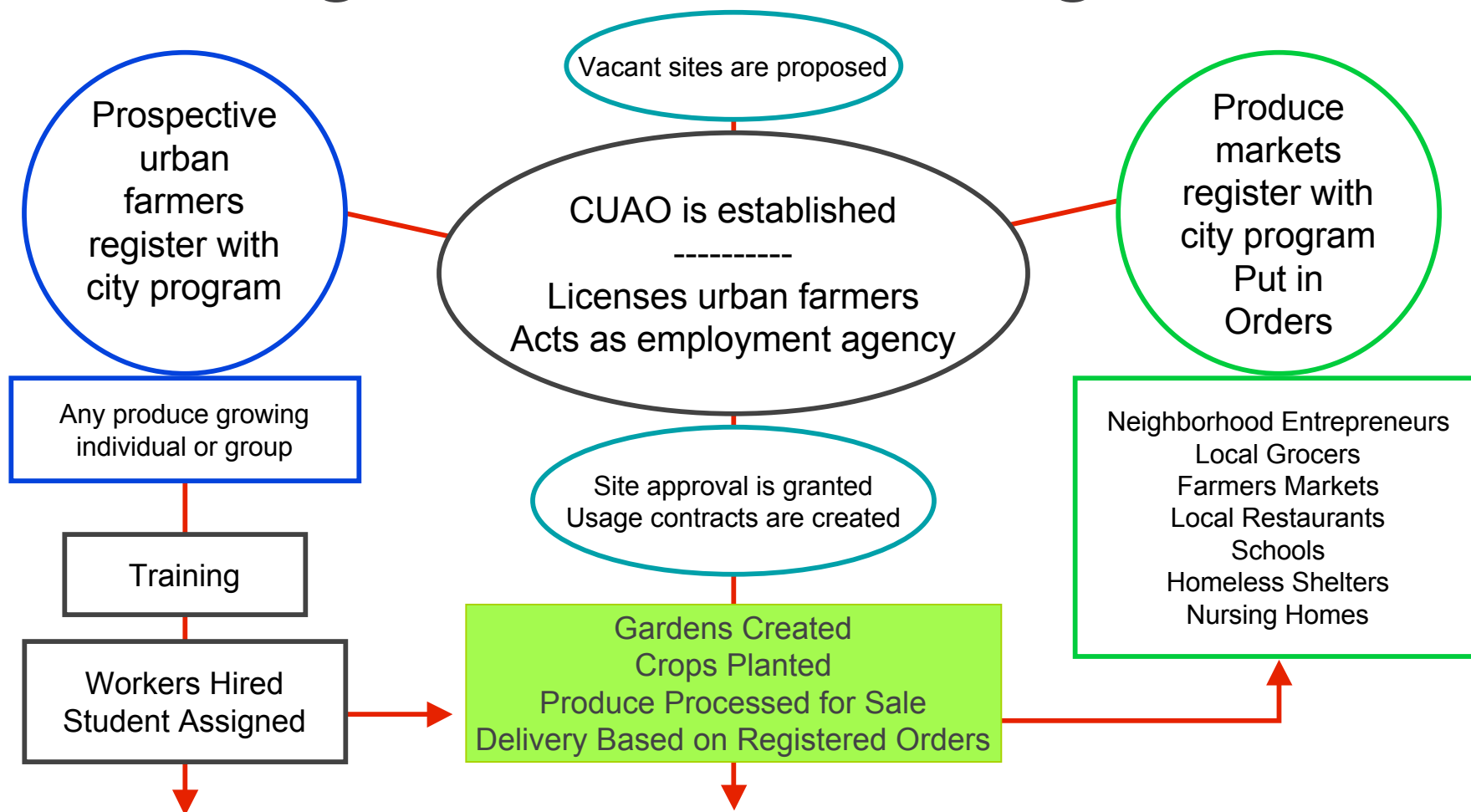


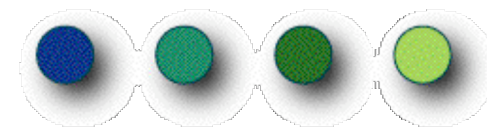
Wasted Urban Farming Space





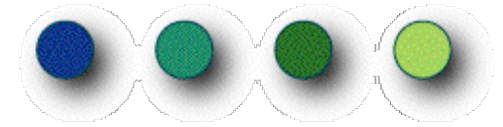
Chicago Urban Farming Model





Moving Forward

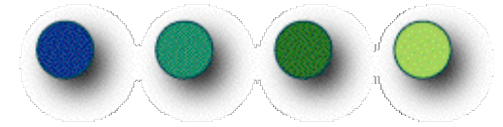




Presidential Platforms



- Energy Independence
- Climate Change

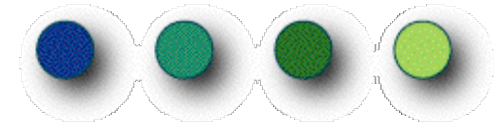


Chicago Green Transition Initiative

U.S.D.A.

- Illinois Base: University of Illinois
- 2007 Farm Bill
- Community Food Projects
- School Geographic Preference
- Healthy Urban Food Enterprise Development Center
- Financing for Local Food Enterprises
- Senior Farmers Market Nutrition Program
- Fresh Fruit and Vegetable Snack Program
- Farmers' Market Promotion Program
- Specialty Crop Block Grant Program
- Value Added Producer Grant Program
- Children, Youth and Families at Risk Sustainable Community Projects Program



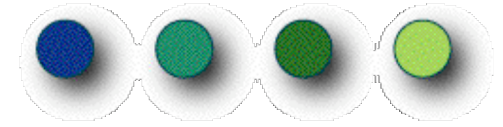


Chicago Green Transition Initiative

City of Chicago

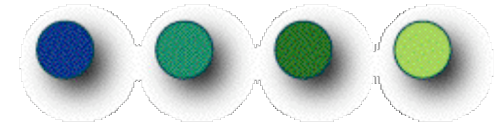
- Department of Environment
 - Commissioner Suzanne Malec-McKenna
- Department of Planning & Development
 - Green Projects Administrator Michael Berkshire
- Greencorps Chicago
- Chicago Center for Green Technology
- Brownsfield Initiative
- Clean Air Communities (Grants)
- Growing Power (Grant Park, Cabrini Green)
- Advocates for Urban Agriculture (AUA)
- Chicago: Eat Local Live Healthy program (social enterprise grant)





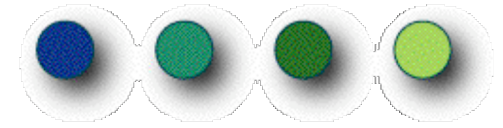
Progress Achieved

- Jobs: Coordinators, technicians, landscapers, gardeners, packagers, drivers, instructors, admin, sales, designers, carpenters to name a few.
- Affordable, healthy, high-quality, locally-grown produce
- City beautification
- Clean air
- Reduction in CO2
- Reduction in energy costs (rooftop gardens)
- Reduction in urban heat island effect
- Community investment (people take more pride in their neighborhood if they're involved in the care of it)
- Transitional training for prisoners, unemployed, at risk
- City recognition



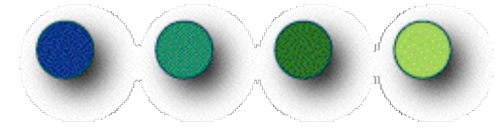
Composting

- Container distribution/Composter rebates
- Door-to-door collection (assessment and counsel)
- Composting farms--Indoor/Outdoor
- Compost processing plant
- Compost packaging/sale
- Compost distribution for urban farms/city parks and landscaping



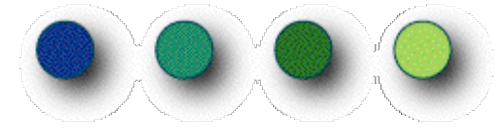
Recycling

- Curbside collection
- Recycling Processing Facility
- Sorting--Prisons
- Working with Chicago industry--Earth friendly products/practices
- Sale of recycled material



Energy

- Transition Chicago to break foreign dependence on oil
- Don't Waste a Roof--Either solar panel, wind turbine or a garden
- Lake motion power, breakwater wind turbines
- People's Energy buyback program/net meters
- Electric buses powered with renewable energy
- Electric taxis/Elevated trains (solar cells on train cars)
- Express monorails to airports (MagLev) powered with renewable energy



Education

- Ways to be green in your home, office and car
- Informing landlords, real estate community, builders, renovators
- Chicago schools, colleges, community organizations
- Marketing programs: CTA, news features, city website, etc.