



Local Uses of Stimulus Funds

Will County, Illinois

Presented by Marta Keane



Federal Stimulus

- 2009 American Recovery and Reinvestment Act (Feb, 2009)
- Non-Competitive Grant awarded based on population and approved submittal of an Energy Efficiency and Conservation Strategy
- Will County's estimated 2009 population was over 685,000
- **Will County Awarded \$3,009,700**



EEC Strategy

- CDM Selected from competitive RFQ process
- Cost \$100,000 (covered by EECEBG)
- Evaluate County buildings
- Estimate impact of various improvements to buildings
- Estimate the value of other projects:
 - Mini-grants to other governmental bodies
 - Permanent household hazardous waste site
 - Education Programs



EEC Strategy Approved

- Stakeholder Groups Identified
 - Internal Managers/Directors
 - Elected Officials from Townships & Municipalities
 - Elected County Board Member
 - Feedback at Public Meetings
- Stakeholder Group Approvals
- Submitted to DOE November 2009
- DOE Approval – March 2010





Approved EECBG

- Gas-to-Energy Facility at County Landfill
 - Cost: \$1,000,000 of 7.2 million projected
 - Public/Private Partnership
 - Revenue for future green projects
 - GHG Reduced



Our single largest project, and one that met the DOE's intention to provide long-term funding for additional projects after the grant funds expired



Approved EECBG

After GTE - \$2,009,700 Remained

- Retrofits Expected to Use \$1,289,529
 - These are common among EECBG recipients
 - Improvements to buildings pay off annually in utility cost reductions, creating perpetual savings
 - Set Example to Business Community
 - Savings Revenue may be used for future building enhancements



Approved EECBG

Emco Building

(State's Attorney & Courtrms)

- Estimated Cost - \$784,653
- Energy Saved – 17.618 MWH
- Greenhouse Gas Emissions Reduced (CO2 equivalents) – 12.43 metric tons



Approved EECBG

Emco Building Retrofits

- Replace windows on south side of Floors 3,4,5 on the Jefferson side of the building.
- Replace two condensers known as 5F and 5R
- Replace 12,500 sq ft roof with white energy star Tremco modified bitumen
- Elevator modernization with a new line regenerative solid state vector motor drive system (*most expensive retrofit*)



Approved EECBG

Recycle
Learn about best practices

Initiate
Counties effort to...

Find recycling locations

Helpful learning applications

Connect
Find out more by contacting us

Sunny Hill Nursing Home

- Estimated Cost - \$207,450
- Energy Saved – .0083 MMCF Natural Gas
(million cubic ft = 8,300 cubic feet)
- Greenhouse Gas Emissions Reduced (CO2 equivalents) – 3.55 metric tons



Approved EECBG

Sunny Hill Nursing Home Retrofits

- Replace entrance/exit doors with double pane low E glass.
- Add energy efficient plumbing boiler to heat water.
- Add occupancy sensors in rest rooms and corridors (*may be done with other funding*).
- Replace insulation on domestic hot water storage tank (*may be done with other funding*).



Approved EECBG

Recycle
Learn about best practices

Initiate
Counties effort to...

Find recycling locations

Helpful learning applications

Connect
Find out more by contacting us

Highway Admin Office Building and Garage

- Estimated Cost - \$131,101
- Energy Saved – 1.49 MWH, .0255 MMCF
Natural Gas (*million cubic ft = 25,500 cubic feet*)
- Greenhouse Gas Emissions Reduced (CO2 equivalents) – 3.55 metric tons



Approved EECBG

Highway Admin Office Building and Garage

- Re-ballast and re-lamp T-12 lighting to T-8 lighting throughout
- Install occupancy sensors in common areas
- Replace multi-zone rooftop air handling units with improved efficiency ratings 80 to 84%
- Replace domestic water heater to improve efficiency
- Re-ballast and re-lamp T-12 lighting to T-8 and *add skylight to take advantage of day lighting* in the Administration Garage.
- Replace some windows



Approved EECBG

County Office Building

- Estimated Cost - \$166,325
- Energy Saved – 4.0597 MWH
- Greenhouse Gas Emissions Reduced (CO2 equivalents) – 2.84 metric tons



Approved EECBG

County Office Building

- Approximately 5,950 square foot green roof Install occupancy sensors in common areas
- Replace existing double pane windows with more energy efficient double pane windows
Replace domestic water heater to improve efficiency



Approved EECBG

County Office Building (continued)

- Utilize an energy management system lighting and temperature control (*may use other funding*)
- Retrofit more energy efficient lighting for the GED examination room (*may use other funding*)
- Add variable frequency drives to air handling units (*may use other funding*)
- Lighting 220 can lights to L.E.D. (added 5/17/2010) - **funding not established**



Approved EECBG

Education Funding

Education Funding Ranked Highest by DOE

Notable Statistics:

2009 Estimated # Households in Will County –
232,400

2009 Estimated Population in Will County -
685,000

Reaching this large group, getting them to take large and small actions, can save far more electricity, natural gas and prevent more GHG than the previously mentioned projects.



Approved EECBG

School Education Program

- Will County's School Education program was all but eliminated due to the recession.
- A full-time non-benefited position was approved to provide in-class presentations, outreach at public fairs and community events.

- Approximate Cost - \$150,000 for 2.5 yrs

- Experienced, award winning educator hired Feb. 2010.

Increased Earthflags!



Approved EECBG

Web-Based Sustainability Education Program

- A difficult to access website to be replaced by a state of the art, dynamic and interactive site to be used by businesses, residents and children.
- This provides people with resources 24/7
- Cost \$87,900
- Energy Saved – 532,374 Gallons of Oil, 62,381 MWH, 239.786 MMCF Natural Gas
(million cubic ft = 239,786,000 cubic feet)
- Greenhouse Gas Emissions Reduced (CO2 equivalents) – 49,175.16 metric tons



http://www.willcountylanduse.com/

Google

Edit View Favorites Tools Help

Go

Bookmarks 72 blocked Check AutoLink AutoFill Send to Settings

Will County Land Use Department



Will County Land Use Department



Land Use Home

to a Division page

to the Land Use Department

rent Agendas

ks to Other Web Sites

ntact Us

quest for Records

Welcome

**Important
Announcements**

Rodeo Advisory Group Meeting [Agenda](#) for September 29, 2020

Community Development Division announces:

- A [Homelessness Prevention and Rapid Re-Housing Program](#) amendment to the 2008 Action Plan.
- A Draft of the 2009 Action Plan is [now available](#) for review.
- CDBG-R [Amendment](#) to 2008 Action Plan
- New for 2010 - [Lead Hazard Control Grant](#) available.

Disclaimer

This web page has a number of downloads available in the Adobe Acrobat Reader (PDF) format. Click on the logo below to download the viewer software directly from the Acrobat website.



Household Hazardous Waste Collection Events
 Saturday October 23, 2010 - Hadley Middle School; Homer Glen
 Saturday, October 30, 2010 - Will County Fairgrounds; Peotone



Will County Land Use Department

Land Use Home

Go to a Division page

Map to the Land Use Department

Current Agendas

Links to Other Web Sites

Contact Us

Request for Records

Waste Services Division

[Purpose & Contact Information](#)

[Frequently Asked Questions \(FAQs\)](#)

[Applications & Instructions](#)

[Ordinances & Other Resources](#)

[Related Links](#)

[News, Events & Projects](#)

Purpose:

The Waste Services Division is committed to helping Will County residents and businesses reduce waste generation, [recycle as much as possible](#), and assure proper disposal of the remaining waste.

The Waste Services Division was created in 1988 to provide for the planning of future disposal of Will County waste. Also in 1988, Will County entered into a delegation agreement with the Illinois Environmental Protection Agency (IEPA) to enforce land disposal provisions of the Environmental Protection Act, and to provide inspections of non-hazardous waste sites.

The Waste Services Division has four primary areas of responsibility:

- Education of the general public on proper waste disposal and recycling ([school education programs](#), seminars, [literature](#), and [special events](#), etc)
- Providing alternate disposal and recycling options through collection events and recycling facility development (tire, household hazardous waste, consumer electronics, and book collection events)



Permanent Recycling Locations



<http://www.willcountylanduse.com/WasteServDiv/ordinances.html>

File Edit View Favorites Tools Help

Google Go Bookmarks 72 blocked Check AutoLink AutoFill Send to

Will County Land Use Department - Waste Services Di...



Permanent Recycling Locations



Recycling Guide



Special Collection Events



Hauler Reporting Ordinance	HTML PDF	Ordinance regarding the collection of municipal waste (garbage, recyclables, landscape waste, tires, construction & demolition debris) in Will County. Reporting Forms available here.
Pollution Control Facility Siting Ordinance	PDF	Will County's adopted siting ordinance for pollution control facilities.
Resources		Description
Solid Waste Plan	PDF	Adopted on Nov 20, 2008, the Will County Solid Waste Plan provides goals and objectives for recycling and waste disposal to meet the needs of Will County by 2030.
2005 Annual Report file size 1.4Mb	PDF	The annual reports of the accomplishments of the Waste Services Division.
2006 Annual Report file size 1.2Mb	PDF	
2007 Annual Report file size 1.1Mb	PDF	
Battery Recycling	PDF	Tips and instructions on how to properly recycle batteries of all types.
Business Recycling Guide	PDF	A list of recycling options and resources designed for the business community.
Cleaning Alternatives	HTML PDF	Many products that are commonly used around the house are toxic, and should not be disposed of in your trash. One way to avoid the worry of disposing of these materials is to find alternatives for these toxic products to begin with. This informative page lists a variety of easy-to-make alternatives

Approved EECBG

Recycle
Learn about best practices

Initiatives
Counties efforts to sustain green

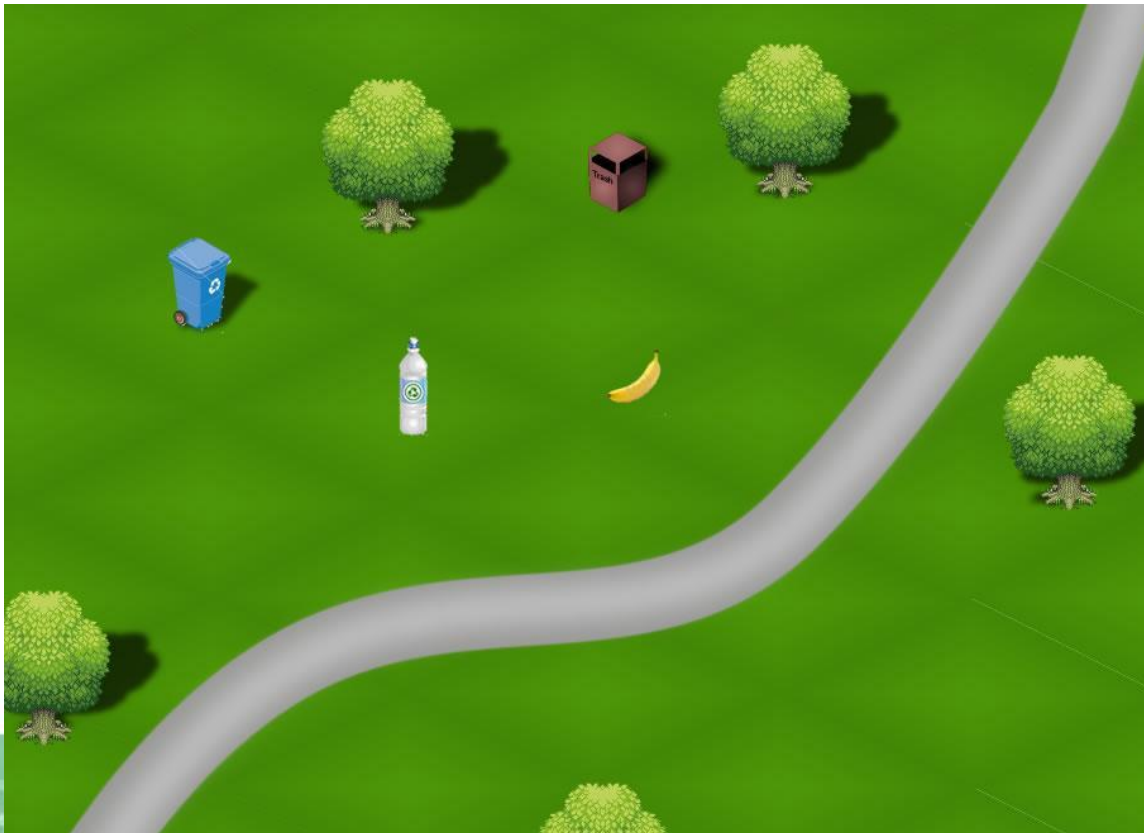
Find recycling locations

Helpful learning applications

Connect
Find out more by contacting us

Web-Based Sustainability Education Program

- The website will have games for children





- Recycle**
Learn about best practices
- Initiate**
Counties efforts to stay green
- Discover**
Find recycling locations
- Grow**
Helpful learning applications
- Connect**
Find out more by contacting u

Recycling can lorem ipsum dolor sit amet

Lorem ipsum dolor sit amet, and consectetur adipis cing elit, sed diam nonummy nibh eusmod and tincidunt ut with laoreet.

1 2 3 4 5



E-mail and E-alert Registration

Upcoming Green Events

- 08/09/10 | Event Name lorem ipsum dolor sit
- 08/10/10 | Consectetur adipiscing elit
- 08/11/10 | Ut wisi enim ad minim veniam, quis tation ullamcorper

County Green News

News Headline lorem ipsum dolor sit magna

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh

Welcome to willcountygreen.com

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh eusmod tincidunt ut laoret dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper sus ipit lobortis nisl ut aliquip ex ea commodo consequat.

Kids Corner



Know what you can and can't

Approved EECBG

Recycle
Learn about best practices

Initiate
Counties effort to...

Find recycling locations

Helpful learning applications

Connect
Find out more by contacting us

Promotional – Educational Campaign

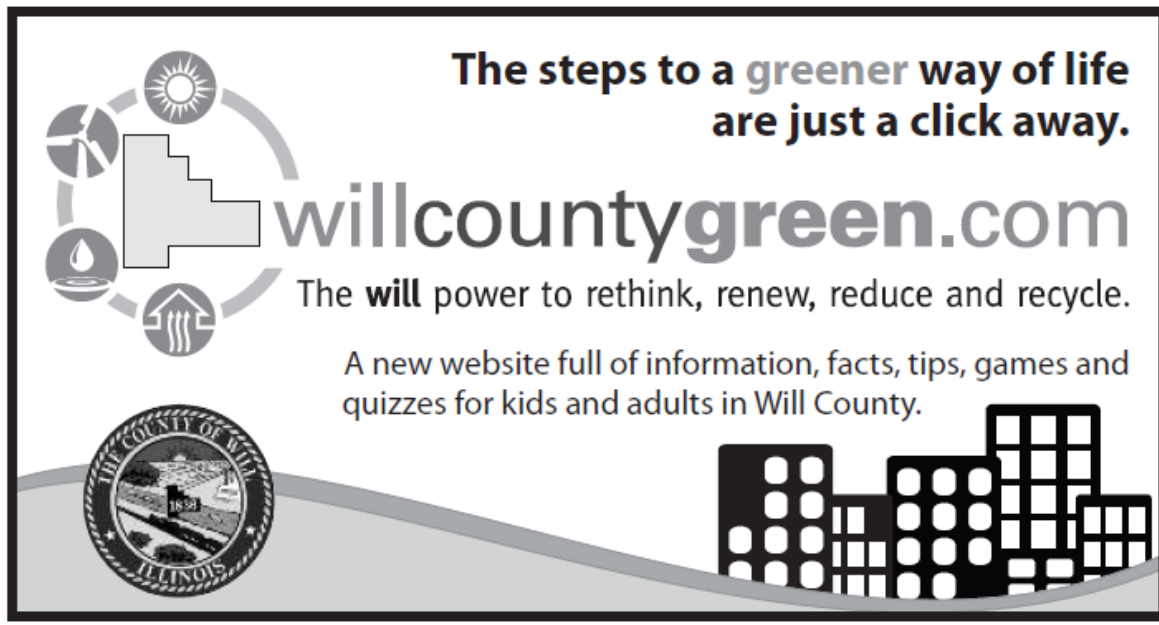
- Developing and Offering a New Website requires promotion if it is to be utilized by the public
- The website name should be easy and associated with a recognizable logo



Approved EECBG

Promotional – Educational Campaign

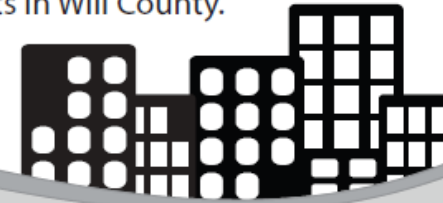

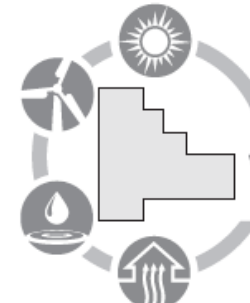
- An advertising campaign must be designed and executed.
- Electronic media, Radio, Newspaper, etc.



The steps to a greener way of life
are just a click away.

willcountygreen.com
The **will** power to rethink, renew, reduce and recycle.

A new website full of information, facts, tips, games and
quizzes for kids and adults in Will County.



Approved EECBG

Electronic Media

- E-blasts to web users
- Facebook & Twitter Accts



The screenshot shows a Facebook page for 'Will County Green'. The page header includes the name and navigation tabs for 'Wall', 'Info', 'Photos', 'Discussions', and '+'. A post from 'Will County Green + Others' is visible, featuring a photo of a woman standing next to a white van with 'Will County Waste Services Division' and '815-727-8863' on it. The post text reads: 'Will County Green Seven Generations Ahead's "Fresh From the Farm Teacher Training" series includes workshops, classroom observations and field trips designed to help educators implement curriculum in classrooms. A local teacher training session is scheduled for Sat, Oct. 16 at Green Earth Institute, Naperville 7 hours ago clear'. Below the post, a comment from 'Vicki Murphy' says 'likes this.' The left sidebar contains a 'Will County Green' profile picture, a 'Promote with an Ad' button, and a 'The Will Power to Rethink, Renew, Reduce and Recycle' link. The bottom of the page shows the location: '58 E. Clinton Street, Joliet, IL, 60432'.



This collage features four main images: solar panels on a roof, wind turbines, geothermal pipes, and water droplets on a leaf. Each image has a corresponding green circular icon with a white symbol and a label: 'Solar', 'Wind', 'Geothermal', and 'Water'. The collage also includes the 'willcountygreen.com' logo and tagline, a quote: 'The steps to a greener way of life are just a click away.', and a paragraph: 'A website full of information, facts, tips, games and events for businesses and residents of all ages.' At the bottom, there is a graphic of a city skyline and the Will County seal.

Summary of EECBG

- \$3,009,700 Awarded**
- \$1,000,000 GTE
- \$ 100,000 EEC Strategy
- \$ 784,653 Emco Retrofits
- \$ 207,450 Sunny Hill Retrofits
- \$ 131,101 Highway Buildings
- \$ 166,325 County Office Building
- \$ 87,900 Website
- \$ 70,830 Promotional/Educational Outreach
- \$ 140,471 Other (Edu Vehicle, LED, ?)
- \$ 300,970 Admin (Educator, Clerical, Project Manager, Director)



More Information

Recycle
Learn about best practices

Initiatives
County's efforts to stay green

Find recycling locations

Helpful learning applications

Connect
Find out more by contacting us

Please see our website: www.willcountygrown.com

Check our Facebook Page:

<http://www.facebook.com/#!/pages/Joliet-IL/Will-County-Green/148364068528710?ref=ts>

Follow us on Twitter:

<http://twitter.com/willcountygrown>

Email me at mkeane@willcountygrown.com

Call me at 815-774-4343

