

Energy Efficiency & Conservation Plan

Draft Changes

A decorative graphic consisting of several horizontal lines of varying lengths and colors (teal, light blue, white) extending from the right side of the slide towards the center.

Complete Document Changes

- **Removed Section numbers**
- **Replaced specific mentioned items with more generic to be more inclusive**
- **Incorporated suggested changes.**

Complete Document Changes

- Removed Section numbers

Section 2| Energy Assessment
Long Term Energy Efficiency and Conservation Plan

2.1—The Foundation

This section presents the results of an energy assessment of both County government operations and the greater Will County community. This assessment is not a precise accounting of energy consumption. Instead, it provides a broad examination of the County's energy usage and highlights where actions are most needed. The assessment then serves as the foundation for recommendations and actions towards a more energy efficient future for Will County.

2.1.1 Energy Consumption and Emissions

Energy is used to generate electricity, heat and cool buildings, power equipment and fuel motor vehicles. Energy sources are classified as either non-renewable, an energy source that once used cannot be recreated; and renewable, an energy source that can be easily replenished.

This section establishes a baseline for energy usage and air pollutant emissions in Will County's government operations and the community.

2.2—Data Collection Process and Tools

2.2.1 County Operations

The baseline energy assessment for Will County government operations includes the following categories of energy use:

- Electricity

Complete Document Changes

- Replaced specific mentioned items with more generic to be more inclusive:
 - “EMCO Building, Sheriff’s Department, etc.” to “County-owned properties.”
 - “County Energy Challenge” to “Better Buildings Challenge”

Complete Document Changes

- Incorporated suggested changes.
 - “Buy American” language added (page 39)
 - Water diversion between watersheds (page 40)
 - Permeable pavers (page 40 and throughout)
 - Variety of media to distribute educational message (page 46)
 - Revised “Green Building Permit” to “high priority permit with 30 day review period” from “15 day review period.” (page 53)

Section Specific Changes

- **Section 1:**
 - Added Vision Statement

Will County, Illinois will become known as a national leader of intergovernmental efforts to foster alternative energy modernization and energy consumption that helps assure the quality of the area's growth and development.

Section Specific Changes

- **Section 1:**
 - Changed the desired energy reduction by 2025 from 10% to 20%

Section Specific Changes

- Section 2
 - Verified & Corrected Energy Consumption Data

Section 2| Energy Assessment
 Long Term Energy Efficiency and Conservation Plan

Table 2.5. 2009 County Government Operations Electricity Use and Cost by Facility/Department

Department	Area (sq. ft.)	Electricity Usage (kWh)	Cost	Percent
Adult Detention Facility [‡]	410,500	5,743,232	\$419,256	30.5%
Courthouse	141,700	2,641,159	\$274,680	15.0%
Sunny Hill Nursing Home [‡]	94,000	1,856,635	\$194,389	10.0%
River Valley Juvenile Detention Facility [‡]	125,100	1,600,000	\$181,000	8.5%
EMCO Building	76,600	1,483,831	\$146,840	8.0%
County Office Building	92,400	1,334,912	\$136,161	7.1%
Health Department	65,000	985,673	\$101,243	5.2%
Sheriff's Office [‡]	31,600	730,000	\$75,000	3.9%
911 Center [‡]		700,000	\$74,000	3.7%
*Government **	43,000	444,399	\$53,061	1.9%
*Street Lights	N/A	350,000	\$56,000	1.9%
*Highway Department	85,000	350,000	\$36,000	1.9%
*Land Use Department	16,000	270,000	\$29,000	1.4%
*Recorder of Deeds Department		150,000	\$17,000	0.7%
*Emergency Management Agency	3,600	60,000	\$7,000	0.3%
*Maintenance Department		40,000	\$5,000	0.2%
*Radio System [‡]	N/A	28,000	\$3,000	0.1%
*Commuter Parking Lot	N/A	23,000	\$2,700	0.1%
*Veteran's Assistance		19,000	\$2,400	0.1%
Total		18,809,841	\$1,813,730	100%

Deleted: 5,300,000
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Deleted: 3
Deleted: 1,900,000
Deleted: \$199,000
Deleted: 1,600,000
Deleted: \$181,000
Deleted: 9
Deleted: 1,400,000
Deleted: \$154,000
Deleted: 1,400,000
Deleted: \$143,000
Deleted: 5
Deleted: 970,000
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Section Specific Changes

- **Section 4:**
 - **Removed “Energy Snapshots” and Replaced with Impactful Quotes from the Plan**

ENERGY SNAPSHOT

Energy Saved: 1,165,000 KWh/yr and
76,000 therms/yr

Implementation Cost: \$2,700,000

Total Air Pollutant Savings: 1,200 metric
tons of CO₂e

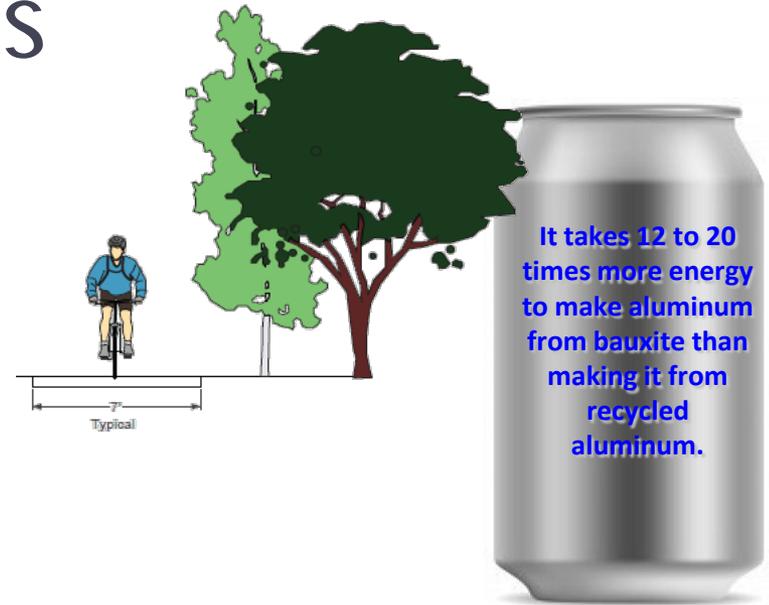
Jobs Created/Retained: 19

Financial Savings per year: \$114,000

Saves significant
annual energy
costs resulting in
reduction of
burden to taxpayer

Forthcoming Changes

- Section 5:
 - Implementation Schedule
- Final Draft
 - Corrected Pie Charts
 - Additional Photos and Graphics



Next Steps

- **Review by CDBG Advisory Committee**
- **Consideration by Will County Board Executive Committee**
- **Adoption by full Will County Board**

